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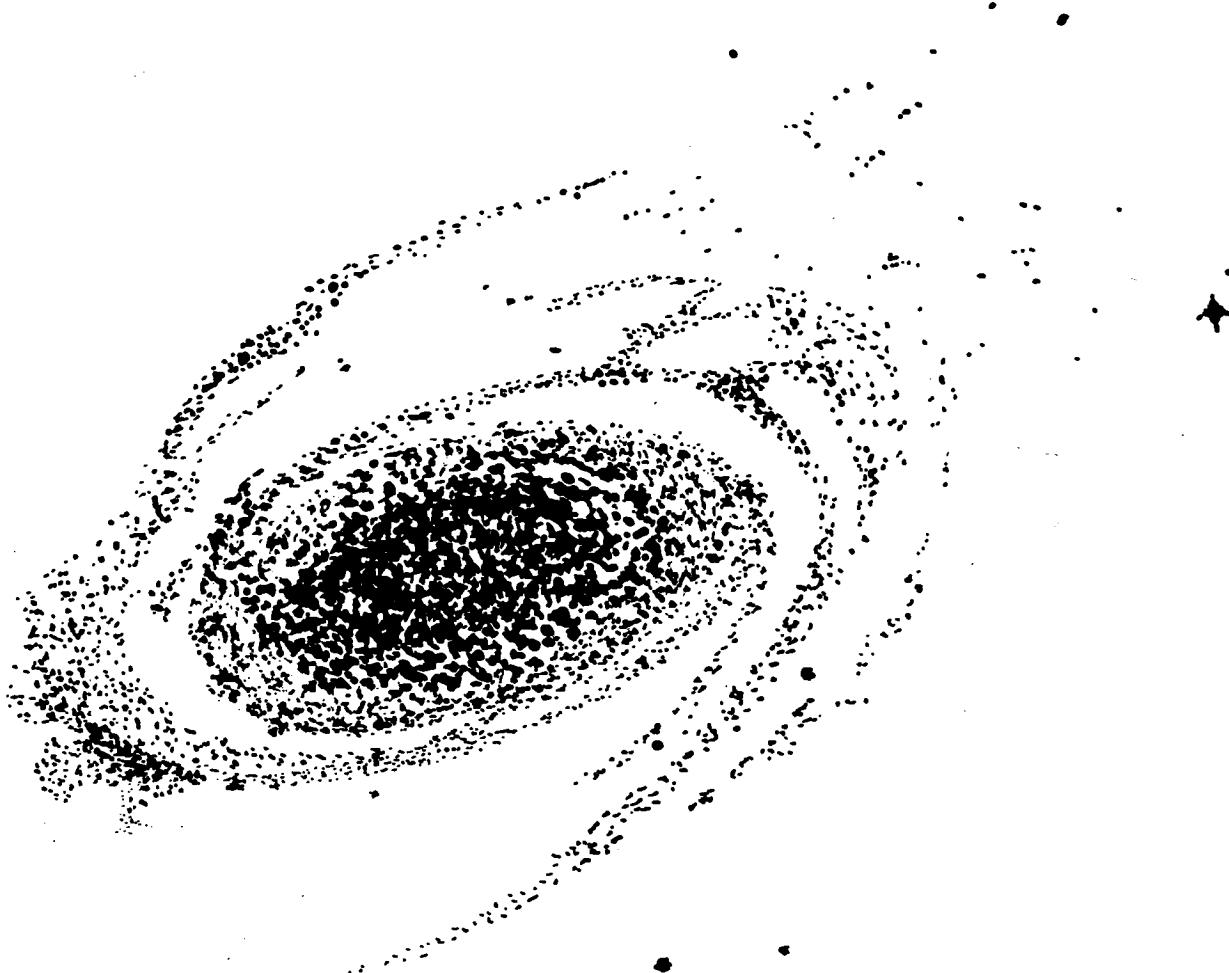
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# THE FOURTH POSITIVE SYSTEM OF CARBON MONOXIDE

ROBERT L. KURUCZ



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Robert L. Kurucz

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Smithsonian Institution  
Astrophysical Observatory  
Cambridge, Massachusetts 02138

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## ABSTRACT

For the Fourth Positive system of CO we present tables of energy levels, Frank-Condon factors, r-centroids, transition moments, line wavelengths, and gf values.

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## THE FOURTH POSITIVE SYSTEM OF CARBON MONOXIDE

Robert L. Kurucz

### 1. INTRODUCTION

Lines of the Fourth Positive system of CO are prominent features in the solar ultraviolet spectrum as has been shown by Goldberg, Parkinson, and Reeves (1965), Rich (1966), and Porter, Tilford, and Widing (1967). We are analyzing solar rocket and satellite spectra through theoretical spectrum synthesis and require data for many more lines than have been published. In this report we present predicted wavelengths and gf values for the lines of the Fourth Positive system.

This work was supported in part by grant NSG-7054 from the National Aeronautics and Space Administration.

## 2. ENERGY LEVELS OF THE X<sup>1</sup> Σ<sup>+</sup> STATE

The infrared bands of CO are well observed for vibration levels up to X37, for moderate values of J, because of the interest in CO as a lasing medium. It has also been observed in the sun to J's greater than 100 by Hall (1970, 1973, 1974). As the observed bands are not perturbed, the observed lines and energy levels can be well fitted with a simple Dunham expression. The analysis by Todd, Clayton, Telfair, McCubbin, and Pliva (1976) makes an extremely accurate fit to the most recent laboratory measurements. An earlier fit by Mantz, Maillard, Roh, and Rao (1975) went to higher J by use of Hall's measurements. Both fits produced identical results for analyzing the less accurate ultraviolet observations, but since we wish to extrapolate to high J, the Mantz *et al.* constants have been adopted. The Todd *et al.* constants would produce differences of, for example -0.0006, -0.0023, and 0.0853 cm<sup>-1</sup> for X0(30), X0(60), and X0(100), and 0.0061, 0.0472, 0.1577, and 0.2236 cm<sup>-1</sup> for X34(0), X34(30), X34(60), and X34(100), respectively. Extrapolation to J's beyond the range of observation might not be reliable.

The subroutine used to compute the X levels follows:

```
C      FUNCTION COX(V,J)
C      CO X GROUND STATE ENERGY LEVELS 12C160
C      MANTZ,MAILLARD,ROH,AND RAO JMS,57,155,1975
      INTEGER V
      REAL JJ1
      V5=FLOAT(V)+.5
      JJ1=J*(J+1)
      T=(2169.813580+(-13.2883076+(10.51127E-3+(5.7440E-5+( 9.8310E-7-
1 3.16600E-8*V5)*V5)*V5)*V5)*V5+
2 ((1.931280872+(-1.75044121E-2+(5.4870E-7+2.5410E-8*V5)*V5)*V5) +
3 ((-6.121468E-6+(11.5260E-10-1.80500E-10*V5)*V5) +
4 (5.8272E-12-1.73750E-13*V5)*JJ1)*JJ1)*JJ1
      COX=T-1081.58603062897
      IF(J.GT.100)COX=-COX
      RETURN
      END
```

Table 1 lists the predicted energy levels for X0 to X37 for J up to 131. To emphasize the uncertainty, levels for J greater than 100 have been prefixed with a minus sign.

### 3. ENERGY LEVELS OF THE A<sup>1</sup> Π STATE

Observations of the Fourth Positive system require considerable improvement. The X0-Av bands and X1-A0 have been accurately observed by Simmons, Bass, and Tilford (1969) in absorption for low J. The X13-A6 band has been observed in emission for low J by Onaka (1957). Gero (1936) has observed X11-A4, X13-A5, X15-A6, X16-A7, X17-A8, X19-A9, X20-A10, and A21-A10 in emission to moderate values of J. However, as Onaka's measurements are systematically displaced by 0.1 cm<sup>-1</sup> from Simmons et al. and do not add any additional levels, they were not used in this work. Gero's measurements suffer from systematic wavenumber shifts of up to 1.5 cm<sup>-1</sup> relative to Simmons et al. and are internally inconsistent, but since they are the only ones available for moderate J, we have attempted to correct them. Below we describe our reduction of the Simmons et al. and the Gero measurements and extrapolations to high J. We strongly urge that new measurements be made to high J that include several bands from each level to allow intercomparison.

We used the wavenumbers published by Simmons et al. listed in Table 2 and the energy levels for the X state given in Table 1 to determine the energy levels for the A state. Tilford and Simmons (1972) have also published a wavelength listing but it was used only to correct a number of typographical errors, which are the following:

- X0-A1 Q(22) and Q(23) are blends
- X0-A10 R(9) 78958.71 should be 79985.71
- X0-A12 R(23) 79777.62 should be 79977.62  
R(27) 79623.28 should be 79863.28
- X0-A16 P(7) 84285.02 should be 84258.02 .

Typographical errors affecting the least significant digits might not have been detected. Also, in the X0-A23 band, P(14), P(15), P(16), and R(8) were not used because they were inconsistent with other lines.

As the A<sup>1</sup> Π state is Λ-doubled, the branches are of the form,

$$P(J) = A_c^{(J-1)} - X(J) ,$$

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$$Q(J) = A_d(J) - X(J) ,$$

$$R(J) = A_c(J+1) - X(J) ,$$

but the  $\Lambda$ -doubling is too small to be resolved except where perturbations affect the c state differently than the d state. There are numerous such perturbations described by Simmons *et al.* and by Field, Wicke, Simmons, and Tilford (1972). We assumed  $A_c(J) = A_d(J)$  except where they were clearly different. Thus, splitting was ignored if it was not much larger than the measuring errors, if it was confused by blends, or if only one component was observed. The observed levels treated separately are A0(1-27), A1(21-26), A2(21-30), A3(28-29), A6(9-17), A7(26), A8(15-19), A10(13-24), A12(24-27), A15(4-14), and A17(12-14).

The energy levels were determined by averaging energies derived from all the unblended lines connecting to a level. If there were no unblended lines, the blended lines were averaged. Table 2 lists the observed bands and the wavelengths derived from our fitted energy levels. Observed lines preceded by a minus sign are blends. The derived energy levels are listed in Table 4, where a suffix B indicates that the level was derived from blended lines and the suffix digit indicates the number of lines used in the average.

Wavenumber corrections for the Gero measurements were determined by plotting differences from wavenumbers predicted from the Simmons *et al.* levels. For J's not observed by Simmons *et al.*, internal discrepancies between energy levels derived from the Gero P and R branches were used to estimate corrections. The P and R branches differ by about  $300 \text{ cm}^{-1}$  and should predict the same energies unless there is a slope in the wavenumber error. The adopted corrections are linear interpolations from the values listed below.

$\nu$	$\Delta\nu$	$\nu$	$\Delta\nu$	$\nu$	$\Delta\nu$
38000	-0.40	42860	-0.10	45600	-0.45
38500	-0.40	43500	-0.60	47980	-0.45
40450	-0.50	44000	-0.60	48400	-0.65
40650	-1.00	45000	-1.95		
42400	+1.40	45250	-1.95		

The corrected wavenumbers are given in Table 3. Several misassignments in the overlapping bandhead regions have been corrected also. Energies were determined as described above, for  $A_c$  and  $A_d$  separately, owing to the numerous perturbations, but only for those levels not already determined. Thus the calculated columns in Table 3 list wavenumbers predicted by Simmons et al. for low J. The derived Gero wavenumbers are prefixed by minus signs. The energy levels are given in Table 4 suffixed by G and also prefixed by minus signs to indicate uncertainty.

Also listed in Table 4 are levels extrapolated up to 90,000  $\text{cm}^{-1}$  by use of the expression

$$A(J) = \nu_v + B_v J(J+1) - D_v J^2(J+1)^2 ;$$

the rotational constants are given in Table 5. The constants were taken from Field et al., except for  $\nu_{19}$ ,  $B_{19}$ ,  $\nu_{22}$ , and  $B_{22}$ , which are from Simmons et al., and  $D_{22}$ , which is a guess. Deperturbed constants were used since they should be more reliable for extrapolation than the observed constants. The predicted levels generally differ by only a few tenths from the Gero levels, except for strongly perturbed levels, but they can be far off for the highest J's. These levels are prefixed by a minus sign in the table to indicate this uncertainty.

#### 4. gf VALUES

Assuming that we can factor the wavefunctions into electronic, vibrational, and rotational parts, and that we can ignore the effects of perturbations, the gf value for a transition from state  $p\Lambda vJ$  to a state  $p'\Lambda'v'J'$  is

$$gf = \frac{\delta(p, p')}{2 - \delta[0, \min(\Lambda, \Lambda')]} f_{vJ, v'J'}^{el} q_{vv'} S_{JJ'}$$

where  $p$  is parity,  $\Lambda$  is orbital angular momentum,  $f_{vJ, v'J'}^{el}$  is the electronic f value,  $q_{vv'}$  is the Frank-Condon factor, and  $S_{JJ'}$  is the Honl-London factor.

The Honl-London factor satisfies the sum rule

$$\sum_{J'} S_{JJ'} = 2J+1 = g .$$

For our  $^1\Pi - ^1\Sigma^+$  transition the Honl-London factors are, from Kovacs (1969),

$$S_{J, J-1} = (J-1)/2 \quad \text{for } P(J) ,$$

$$S_{J, J} = (2J+1)/2 \quad \text{for } Q(J) ,$$

$$S_{J, J+1} = (J+2)/2 \quad \text{for } R(J) .$$

The Frank-Condon factors have been calculated by Albritton (personal communication) using RKR potentials. These are listed in Table 6 for bands with  $q_{vv'}$  greater than  $1.E-6$ . Albritton has also produced values for the weaker bands X0-A19, X0-A20, X0-A21, X0-A22, and X0-A23, but he assigns errors of a factor of 10. The accuracy of the Frank-Condon factors generally deteriorates as the values become small. All bands not listed in Table 6 were considered too weak to be significant and were ignored. Similar Franck-Condon factors have recently been computed by Shimauchi (1976).

The electronic f value is defined to be

$$f_{vJ, v'J'}^{el} = \frac{8\pi mc\Delta E}{3\hbar e^2} \frac{R_e^2}{2S+1} = 3.0376E-6 \Delta E \frac{R_e^2}{2S+1} ,$$

where S is the spin,  $\Delta E$  is the energy level difference in  $\text{cm}^{-1}$ , and  $R_e$  is the electronic transition moment in  $a_0$ . For our singlet transition, S is 0. In this work we make the approximation that  $R_e$  and  $\Delta E$  are independent of J (rotationless). Values of  $\Delta E$  labeled as FREQVV are given for each band in Table 6.

The first factor in the expression for the f value accounts for the  $\Lambda$ -doubling of the energy levels of states for which  $\Lambda$  is greater than 0. As the c and d levels are of opposite parity, transitions are possible from a given level to only one of the states. The denominator reduces to unity for the Fourth Positive system because  $\Lambda = 0$  for the  $X^1\Sigma^+$  state. The parity factor results in a selection rule that limits the Q branch to  $X-A_d$  transitions and the P and R branches to  $X-A_c$  transitions (cf. Herzberg, 1950, fig. 119a).

Ideally, laboratory measurements or theoretical calculations should be available for each line. Such measurements have been made for a few lines by Rich (1966, 1968) using a shock tube, and by Pilling, Bass, and Braun (1971) using an absorption cell. Assuming that the electronic f value is independent of rotation and that perturbations are negligible, the band f value,  $f_{vv'} = f_{vv'}^{el} q_{vv'}$ , can be derived by dividing out the Honl-London factor from gf for an individual line,  $f_{vv'} = gf/S_{JJ'}$ . Alternatively,  $f_{vv'}$  can be measured directly for a whole band, as has been done for a number of bands by Meyer and Lassettre (1971) using electron impact and by Lassettre and Skerbele (1971) using inelastic to elastic scattering. Mumma, Stoner, and Zipf (1971) have determined relative values for  $f_{vv'}$  using the branching ratio method.

At a still higher level of integration, the lifetime of a vibrational level can be measured. Three sets of lifetime measurements, by Imhof and Read (1971) using inelastic electron-photon coincidence, by Wells and Isler (1970) using level crossing, and by Hesser (1968) using phase shift, agree within 10%, while a fourth, by Chervenak and Anderson (1971) using delayed coincidence, is 50% longer and probably suffers from cascades.

We have adopted the procedure used by Mumma et al. to estimate f values for all the bands. They found that if the relative transition moments for the measured bands were plotted against r-centroid, they could be fitted by a line of slope -0.60. Using that slope they summed the relative f values for all the bands from the A2 level and determined a normalization constant to bring agreement with the accurate measured lifetimes for that level. Their final expression is

$$R_e = 1.9 (1.00 - 0.60 \bar{r}) .$$

Here we assume that  $R_e$  is constant outside their range of measurement,  $1.07 \leq \bar{r} \leq 1.36$ , as their expression goes negative for large  $\bar{r}$ . The values of  $R_e$ ,  $f^{el}$ , and Albritton's r-centroids are listed in Table 6.

Considering all the factors, it is difficult to estimate errors for the final gf values. We guess 50% for strong bands with r-centroids in the Mumma et al. range of measurement. The weakest bands may be off by orders of magnitude.

## 5. LINE LIST

We have computed the wavelengths and gf values for 160,359 lines of the Fourth Positive system that have Frank-Condon factors listed in Table 6. In Table 7 we list only the 57,570 lines between observed energy levels that can be used for line identification, with the less accurate Gero data indicated by negative wavelengths. For each line we list the wavelength in nm, log gf, v, v', the branch, and J. Wavelengths greater than 200 nm are given for air (Edlén, 1953). There was not space to list the energy levels for each line, but they can be found in Tables 1 and 4. Data for all the lines, including lower and upper energy level, are available on magnetic tape from the author.

### Acknowledgment

We are grateful to Dr. Daniel L. Albritton for allowing us to use his calculations of Frank-Condon factors and r-centroids.

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## MAGNETIC TAPE LISTING

Data for 160,359 lines of the Fourth Positive system are available on magnetic tape, including the wavelength, log gf, lower and upper energy, lower and upper J, and lower and upper v for each line. The tape format is currently CDC 60-bit binary words at 800-bpi 7-track. We are willing to discuss other formats. To obtain a copy, send a 2400-ft tape to

Dr. Robert L. Kurucz  
Smithsonian Astrophysical Observatory  
60 Garden Street  
Cambridge, Massachusetts 02138

Telephone: (617)495-7429 or FTS 830-7429.

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Table 1. Energy levels of the  $X^1\Sigma^+$  state computed from the constants of Mantz, Maillard, Roh, and Rao (1975). Levels preceded by a minus sign are uncertain.

J	X 0	X 1	X 2	X 3	X 4	X 5	X 6	X 7	X 8	X 9
0	.000	2143.271	4260.063	6350.439	8414.470	10452.223	12463.769	14449.182	16408.536	18341.906
1	3.845	2147.081	4263.838	6354.180	8418.175	10455.893	12467.404	14452.782	16412.101	18345.436
2	11.535	2154.701	4271.387	6361.659	8425.585	10463.233	12474.674	14459.982	16419.231	18352.496
3	23.069	2166.131	4282.712	6372.879	8436.699	10474.242	12485.579	14470.782	16429.926	18363.086
4	38.448	2181.369	4297.811	6387.837	8451.518	10488.921	12500.118	14485.181	16444.184	18377.205
5	57.670	2200.417	4316.683	6406.535	8470.040	10507.268	12518.290	14503.178	16462.007	18394.852
6	80.735	2223.272	4339.328	6428.970	8492.265	10529.283	12540.095	14524.773	16483.392	18416.028
7	107.642	2249.934	4365.745	6455.142	8518.192	10554.965	12565.532	14549.965	16508.339	18440.730
8	138.390	2280.402	4395.933	6485.049	8547.820	10584.313	12594.600	14578.753	16536.848	18468.959
9	172.978	2314.674	4429.890	6518.692	8581.147	10617.326	12627.298	14611.136	16568.916	18500.712
10	211.404	2352.750	4467.616	6556.068	8618.173	10654.002	12663.624	14647.113	16604.542	18535.988
11	253.667	2394.628	4509.109	6597.176	8658.896	10694.340	12703.577	14686.681	16643.726	18574.787
12	299.766	2440.306	4554.367	6642.014	8703.315	10738.338	12747.156	14729.840	16666.464	18617.106
13	349.698	2489.783	4603.389	6690.561	8751.427	10785.995	12794.358	14776.587	16732.757	18662.944
14	403.461	2543.057	4656.173	6742.875	8803.230	10837.309	12845.181	14826.921	16782.601	18712.298
15	461.054	2600.125	4712.716	6798.893	8858.723	10892.277	12899.625	14880.839	16835.995	18765.168
16	522.475	2660.986	4773.016	6858.633	8917.904	10950.898	12957.685	14938.340	16892.936	18821.549
17	587.721	2725.636	4837.072	6922.094	8980.769	11013.168	13019.361	14999.421	16953.422	18881.441
18	656.789	2794.075	4904.880	6989.272	9047.318	11079.086	13084.650	15064.080	17017.451	18944.840
19	729.677	2866.298	4976.438	7060.165	9117.546	11148.650	13153.548	15132.313	17085.020	19011.744
20	806.383	2942.303	5051.743	7134.770	9191.451	11221.855	13226.054	15204.119	17156.126	19082.151
21	886.902	3022.087	5130.793	7213.085	9269.030	11298.700	13302.163	15279.494	17230.767	19156.056
22	971.233	3105.648	5213.583	7295.105	9350.281	11379.180	13381.874	15356.435	17308.938	19233.458
23	1059.372	3192.982	5300.112	7380.829	9435.199	11463.294	13465.183	15440.939	17390.637	19314.353
24	1151.315	3284.085	5390.375	7470.251	9523.782	11551.037	13552.086	15527.003	17475.851	19398.737
25	1247.059	3378.954	5484.369	7563.370	9616.026	11642.406	13642.580	15616.622	17564.606	19486.608
26	1346.601	3477.585	5582.090	7660.182	9711.928	11737.397	13736.662	15709.794	17656.868	19577.960
27	1449.936	3579.975	5683.535	7760.682	9811.483	11836.008	13834.327	15806.515	17752.644	19672.792
28	1557.061	3686.120	5788.700	7864.866	9914.687	11938.232	13935.572	15906.780	17851.929	19771.097
29	1667.971	3796.015	5897.580	7972.731	10021.537	12044.067	14040.392	16010.585	17954.720	19872.874
30	1782.662	3909.656	6010.171	8084.272	10132.028	12153.509	14148.784	16117.927	18061.012	19978.116
31	1901.131	4027.040	6126.469	8199.486	10246.157	12266.552	14260.742	16228.800	18170.801	20086.821
32	2023.372	4148.160	6246.470	8318.366	10363.917	12383.192	14376.263	16343.201	18284.083	20198.982
33	2149.380	4273.013	6370.168	8440.909	10485.305	12503.425	14495.341	16461.125	18400.851	20314.597
34	2279.151	4401.594	6497.559	8567.110	10610.316	12627.246	14617.972	16582.566	18521.103	20433.659
35	2412.680	4533.898	6628.638	8696.964	10738.945	12754.650	14744.151	16707.520	18644.832	20556.163
36	2549.962	4669.920	6763.399	8830.465	10871.186	12885.632	14873.873	16835.982	18772.034	20682.106
37	2690.491	4809.654	6901.838	8967.609	11007.035	13020.186	15007.132	16967.946	18902.704	20811.481
38	2835.763	4953.096	7043.949	9108.390	11146.486	13158.307	15143.923	17103.407	19036.835	20944.282
39	2984.271	5100.238	7189.727	9252.803	11289.534	13299.989	15284.240	17242.360	19174.423	21080.506
40	3136.510	5251.077	7339.166	9400.841	11436.172	13445.227	15428.079	17384.799	19315.462	21220.145
41	3292.474	5405.606	7492.259	9552.500	11586.395	13594.016	15575.432	17530.717	19459.945	21363.193
42	3452.157	5563.819	7649.002	9707.772	11740.198	13746.348	15726.294	17680.109	19607.868	21509.646
43	3615.552	5725.709	7809.387	9866.653	11897.573	13902.218	15880.659	17832.969	19759.223	21659.496
44	3782.655	5891.272	7973.410	10029.135	12058.515	14061.620	16038.521	17989.291	19914.005	21812.738
45	3953.458	6060.500	8141.062	10195.212	12223.017	14224.547	16199.873	18149.068	20C72.206	21969.365
46	4127.955	6233.386	8312.338	10364.878	12391.073	14390.992	16364.708	18312.293	20233.822	22129.370
47	4306.138	6409.924	8487.231	10538.126	12562.675	14560.950	16533.020	18478.960	20398.844	22292.747
48	4488.002	6590.108	8665.735	10714.949	12737.818	14734.412	16704.803	18644.062	20567.266	22459.489
49	4673.539	6773.930	8847.841	10895.340	12916.494	14911.373	16880.048	18822.592	20739.080	22629.589
50	4862.742	6961.383	9033.544	11079.292	13098.696	15091.824	17058.749	18999.543	20914.281	22803.039
51	5055.604	7152.459	9222.835	11266.798	13284.417	15275.760	17240.899	19179.908	21092.860	22979.833
52	5252.118	7347.153	9415.708	11457.851	13473.649	15463.171	17426.490	19363.678	21274.811	23159.963
53	5452.275	7545.455	9612.155	11652.442	13666.384	15654.051	17615.515	19550.848	21460.124	23343.421
54	5656.069	7747.358	9812.168	11850.564	13862.616	15848.393	17807.966	19741.408	21648.794	23530.200
55	5863.491	7952.855	10015.739	12052.210	14062.336	16046.187	18003.834	19935.351	21840.811	23720.292
56	6074.533	8161.937	10222.861	12257.371	14265.537	16247.427	18203.113	20132.669	22036.169	23913.689
57	6289.188	8374.596	10433.524	12466.039	14472.209	16452.104	18405.794	20333.354	22234.858	24110.382
58	6507.447	8590.825	10647.722	12678.207	14682.346	16660.209	18611.869	20537.398	22436.871	24310.364
59	6729.301	8810.614	10865.446	12893.864	14895.938	16871.735	18821.329	20744.792	22642.199	24513.626
60	6954.743	9033.955	11086.686	13113.004	15112.976	17086.673	19034.166	20955.527	22850.833	24720.159
61	7183.764	9260.840	11311.435	13335.617	15333.454	17305.014	19250.370	21169.596	23062.765	24929.955
62	7416.353	9491.259	11539.684	13561.695	15557.360	17526.749	19469.935	21386.989	23277.986	25143.005
63	7652.504	9725.204	11771.423	13791.228	15784.687	17751.870	19692.849	21607.696	23496.488	25359.299
64	7892.207	9962.666	12006.644	14024.208	16015.426	17980.367	19919.104	21831.710	23718.260	25578.829
65	8135.451	10203.635	12245.337	14260.625	16249.566	18212.231	20148.692	22059.021	23943.293	25801.586

ORIGINAL PAGE IS  
POOR QUALITY

Table 1. (Cont.)

J	X 0	X 1	X 2	X 3	X 4	X 5	X 6	X 7	X 8	X 9
66	8382.229	10448.102	12487.493	14500.469	16487.099	18447.453	20381.601	22289.618	24171.579	26027.559
67	8632.531	10696.058	12733.103	14743.733	16728.016	18686.023	20617.824	22523.494	24403.107	26256.741
68	8886.347	10947.492	12982.156	14990.404	16972.306	18927.931	20857.350	22760.638	24637.869	26489.119
69	9143.666	11202.396	13234.643	15240.475	17219.960	19173.168	21100.170	23001.040	24875.853	26724.686
70	9404.480	11460.759	13490.555	15493.935	17470.968	19421.723	21346.273	23244.690	25117.051	26963.431
71	9668.778	11722.571	13749.880	15750.774	17725.319	19673.587	21595.649	23491.579	25361.451	27205.343
72	9936.551	11987.822	14012.610	16010.981	17983.004	19928.750	21848.289	23741.696	25609.045	27450.413
73	10207.787	12256.501	14278.732	16274.547	18244.013	20187.200	22104.182	23995.030	25859.820	27698.630
74	10482.476	12528.599	14548.238	16541.460	18508.334	20448.928	22363.316	24251.571	26113.768	27949.983
75	10760.608	12804.105	14821.117	16811.711	18775.957	20713.923	22625.683	24511.309	26370.877	28204.463
76	11042.172	13083.007	15097.357	17085.289	19046.871	20982.175	22891.270	24774.233	26631.136	28462.058
77	11327.157	13365.295	15376.948	17362.182	19321.066	21253.671	23160.068	25040.331	26894.535	28722.756
78	11615.552	13650.958	15659.878	17642.379	19598.530	21528.401	23432.064	25309.593	27161.062	28986.548
79	11907.346	13939.985	15946.137	17925.871	19879.253	21806.355	23707.248	25582.007	27430.706	29253.422
80	12202.528	14232.364	16235.714	18212.644	20163.222	22087.520	23985.609	25857.562	27703.456	29523.366
81	12501.086	14528.085	16528.597	18502.688	20450.427	22371.886	24267.134	26136.247	27979.300	29796.369
82	12803.009	14827.135	16824.774	18795.991	20740.856	22659.440	24551.813	26418.050	28258.227	30072.419
83	13108.285	15129.503	17124.233	19092.542	21034.497	22950.171	24839.633	26702.960	28540.224	30351.505
84	13416.902	15435.178	17426.964	19392.328	21331.339	23244.067	25130.584	26990.963	28825.281	30633.614
85	13728.849	15744.146	17732.953	19695.338	21631.369	23541.116	25424.651	27282.049	29113.385	30918.735
86	14044.113	16056.397	18042.190	20001.560	21934.575	23841.306	25721.825	27576.206	29404.523	31206.855
87	14362.682	16371.917	18354.661	20310.981	22240.945	24144.625	26022.092	27873.420	29698.684	31497.963
88	14684.544	16690.695	18670.354	20623.588	22550.467	24451.060	26325.439	28173.679	29995.855	31792.045
89	15009.666	17012.718	18989.257	20393.371	22863.128	24760.599	26631.855	28476.972	30296.024	32089.088
90	15338.096	17337.973	19311.357	21258.315	23178.915	25073.228	26941.327	28783.285	30599.177	32389.082
91	15669.761	17666.449	19636.642	21580.408	23497.816	25388.937	27253.842	29092.605	30905.302	32692.011
92	16004.668	17998.131	19965.098	21905.638	23819.818	25707.710	27569.386	29404.919	31214.386	32997.864
93	16342.804	18333.007	20296.713	22233.990	24144.908	26029.536	27887.947	29720.215	31526.416	33306.627
94	16684.157	18671.064	20631.473	22565.453	24473.072	26354.401	28209.512	30038.479	31841.378	33618.287
95	17028.712	19012.288	20969.366	22900.013	24804.298	26682.292	28534.067	30359.698	32159.260	33932.830
96	17376.457	19356.666	21310.377	23237.655	25138.571	27013.195	28861.600	30683.858	32480.047	34250.244
97	17727.377	19704.185	21654.493	23578.368	25475.879	27347.097	29192.095	31010.946	32803.726	34570.513
98	18081.460	20054.831	22001.701	23922.136	25816.207	27683.984	29525.539	31340.947	33130.284	34893.626
99	18438.692	20408.590	22351.986	24268.947	26159.542	28023.842	29861.920	31673.849	33459.705	35219.567
100	18799.058	20765.449	22705.336	24618.786	26505.870	28366.658	30201.222	32009.636	33791.977	35548.322
101	-19162.546	-21125.393	-23061.735	-24971.640	-26855.177	-28712.416	-30543.431	-32348.296	-34127.085	-35879.878
102	-19529.139	-21488.408	-23421.170	-25327.494	-27207.448	-29061.104	-30888.534	-32689.812	-34465.015	-36214.219
103	-19898.826	-21854.480	-23783.626	-25686.333	-27562.669	-29412.706	-31236.515	-33034.172	-34805.752	-36551.333
104	-20271.590	-22223.594	-24149.089	-26048.144	-27920.826	-29767.208	-31587.361	-33381.360	-35149.282	-36891.203
105	-20647.417	-22595.736	-24517.545	-26412.911	-28281.904	-30124.595	-31941.057	-33731.363	-35495.590	-37233.815
106	-21026.294	-22970.892	-24888.978	-26780.621	-28645.889	-30484.853	-32297.587	-34084.164	-35844.661	-37579.155
107	-21408.205	-23349.046	-25263.375	-27151.258	-29012.765	-30847.967	-32656.937	-34439.750	-36196.480	-37927.207
108	-21793.134	-23730.184	-25640.719	-27524.807	-29382.518	-31213.922	-33019.093	-34798.104	-36551.033	-38277.956
109	-22181.068	-24114.290	-26020.996	-27901.253	-29755.132	-31582.702	-33384.038	-35159.213	-36908.303	-38631.387
110	-22571.997	-24501.350	-26404.191	-28280.582	-30130.592	-31954.293	-33751.757	-35523.060	-37268.276	-38987.485
111	-22965.889	-24891.348	-26790.289	-28662.777	-30508.883	-32328.679	-34122.236	-35889.630	-37630.937	-39346.234
112	-23362.744	-25284.269	-27179.273	-29047.823	-30889.990	-32705.844	-34495.459	-36258.908	-37996.268	-39707.618
113	-23762.543	-25680.097	-27571.129	-29435.706	-31273.897	-33085.773	-34871.409	-36630.878	-38364.256	-40071.622
114	-24165.269	-26078.817	-27965.841	-29826.408	-31660.587	-33468.451	-35250.071	-37005.523	-38734.884	-40438.229
115	-24570.906	-26480.413	-28363.393	-30219.914	-32050.046	-33853.860	-35631.430	-37382.829	-39108.135	-40807.425
116	-24979.440	-26884.869	-28763.769	-30616.209	-32442.257	-34241.986	-36015.469	-37762.779	-39483.994	-41179.192
117	-25390.853	-27292.169	-29166.953	-31015.276	-32837.205	-34632.812	-36402.172	-38145.357	-39862.445	-41553.514
118	-25805.131	-27702.297	-29572.930	-31417.098	-33234.872	-35026.322	-36791.522	-38530.546	-40243.472	-41930.376
119	-26222.255	-28115.236	-29981.682	-31821.661	-33635.243	-35422.500	-37183.504	-38918.331	-40627.057	-42309.760
120	-26642.211	-28530.971	-30393.193	-32228.947	-34038.301	-35821.328	-37578.101	-39308.694	-41013.184	-42691.649
121	-27064.982	-28949.484	-30607.447	-32638.939	-34444.030	-36222.791	-37975.295	-39701.618	-41401.836	-43076.028
122	-27490.551	-29370.760	-31224.428	-33051.622	-34852.413	-36626.871	-38375.072	-40097.088	-41792.998	-43462.878
123	-27918.902	-29794.782	-31644.118	-33466.978	-35263.432	-37033.553	-38777.412	-40495.086	-42186.650	-43852.184
124	-28350.018	-30221.532	-32066.500	-33884.990	-35677.072	-37442.818	-39182.300	-40895.595	-42582.778	-44243.927
125	-28783.881	-30650.994	-32491.558	-34305.642	-36093.315	-37854.649	-39589.718	-41298.597	-42981.362	-44638.092
126	-29220.476	-31083.151	-32919.275	-34728.916	-36512.144	-38269.031	-39999.650	-41704.076	-43382.386	-45034.659
127	-29659.784	-31517.985	-33349.633	-35154.795	-36933.541	-38685.944	-40412.077	-42112.014	-43785.833	-45433.612
128	-30101.768	-31955.480	-33782.615	-35583.262	-37357.490	-39105.372	-40826.982	-42522.394	-44191.684	-45834.933
129	-30546.472	-32395.618	-34218.203	-36014.298	-37783.972	-39527.298	-41244.347	-42935.197	-44599.923	-46238.604
130	-30993.818	-32838.381	-34656.381	-36447.888	-38212.971	-39951.702	-41664.156	-43350.406	-45010.531	-46644.608
131	-31443.807	-33283.751	-35097.130	-36884.012	-38644.467	-40378.569	-42086.389	-43768.004	-45423.490	-47052.926

Table 1. (Cont.)

J	X10	X11	X12	X13	X14	X15	X16	X17	X18	X19
0	20249.370	22131.007	23986.897	25817.122	27621.764	29400.907	31154.635	32883.033	34586.185	36264.176
1	20252.865	22134.467	23990.322	25820.512	27625.119	29404.228	31157.921	32886.283	34589.400	36267.357
2	20259.855	22141.387	23997.173	25827.293	27631.830	29410.868	31164.491	32892.784	34595.831	36273.718
3	20270.340	22151.767	24007.448	25837.463	27641.895	29420.829	31174.347	32902.535	34605.477	36283.259
4	20284.319	22165.606	24021.147	25851.022	27655.315	29434.108	31187.487	32915.535	34618.338	36295.980
5	20301.792	22182.904	24038.270	25867.970	27672.088	29450.707	31203.911	32931.785	34634.413	36311.881
6	20322.757	22203.660	24058.816	25888.307	27692.215	29470.624	31223.619	32951.283	34653.701	36330.959
7	20347.215	22227.873	24082.784	25912.030	27715.694	29493.858	31246.608	32974.028	34676.202	36353.216
8	20375.164	22255.542	24110.173	25939.140	27742.524	29520.409	31272.879	33000.019	34701.914	36378.649
9	20406.602	22286.665	24140.982	25969.634	27772.704	29550.274	31302.430	33029.256	34730.837	36407.257
10	20441.529	22321.243	24175.210	26003.512	27806.232	29583.454	31335.260	33061.737	34762.968	36439.039
11	20479.943	22359.272	24212.855	26040.773	27843.108	29619.945	31371.367	33097.459	34798.307	36473.994
12	20521.842	22400.752	24253.915	26081.413	27883.330	29659.747	31410.750	33136.423	34836.851	36512.119
13	20567.226	22445.680	24298.389	26125.433	27926.895	29702.858	31453.407	33178.626	34878.600	36553.414
14	20616.090	22494.056	24346.275	26172.829	27973.802	29749.276	31499.335	33224.065	34923.551	36697.876
15	20668.435	22545.876	24397.570	26223.601	28024.049	29798.998	31548.534	33272.740	34971.701	36645.503
16	20724.257	22601.138	24452.273	26277.744	28077.633	29852.024	31601.000	33324.647	35023.050	36696.293
17	20783.554	22659.841	24510.382	26335.258	28134.553	29908.349	31656.732	33379.785	35077.594	36750.243
18	20846.324	22721.981	24571.893	26396.140	28194.805	29967.973	31715.727	33438.151	35135.331	36807.352
19	20912.563	22787.556	24636.804	26460.387	28258.388	30030.892	31777.981	33499.742	35196.258	36867.615
20	20982.270	22856.564	24705.112	26527.996	28325.298	30097.102	31843.493	33564.555	35260.373	36931.032
21	21055.442	22929.001	24776.814	26598.964	28395.532	30166.603	31912.260	33632.588	35327.672	36997.598
22	21132.074	23004.864	24851.908	26673.288	28469.088	30239.389	31984.278	33703.837	35398.153	37067.310
23	21212.164	23084.150	24930.390	26750.966	28545.961	30315.459	32059.544	33778.300	35471.812	37140.166
24	21295.709	23166.855	25012.256	26831.993	28626.149	30394.808	32138.054	33855.972	35548.646	37216.161
25	21382.705	23252.977	25097.503	26916.366	28709.649	30477.434	32219.806	33936.850	35628.651	37295.293
26	21473.148	23342.510	25186.128	27004.082	28796.455	30563.332	32304.795	34020.931	35711.823	37377.557
27	21567.035	23435.453	25278.126	27095.136	28886.566	30652.498	32393.018	34108.210	35798.159	37462.951
28	21664.361	23531.800	25373.494	27189.525	28979.975	30744.929	32484.471	34198.684	35887.655	37551.468
29	21765.123	23631.548	25472.227	27287.244	29076.681	30840.621	32579.149	34292.349	35980.307	37643.107
30	21869.316	23734.691	25574.322	27388.290	29176.678	30939.569	32677.048	34389.200	36076.109	37737.862
31	21976.936	23841.227	25679.773	27492.657	29279.961	31041.769	32778.164	34489.233	36175.059	37835.728
32	22087.978	23951.150	25788.577	27600.342	29386.527	31147.216	32882.493	34592.443	36277.151	37936.702
33	22202.438	24064.455	25900.728	27711.339	29496.370	31255.905	32990.029	34698.826	36382.381	38040.779
34	22320.311	24181.138	26016.222	27825.644	29609.486	31367.833	33100.768	34808.376	36490.743	38147.953
35	22441.591	24301.194	26135.054	27943.252	29725.870	31482.993	33214.704	34921.089	36602.233	38258.220
36	22566.274	24424.618	26257.218	28064.157	29845.516	31601.380	33331.833	35036.960	36716.845	38371.574
37	22694.354	24551.404	26382.710	28188.354	29968.420	31722.990	33452.149	35155.982	36834.575	38488.011
38	22825.827	24681.547	26511.524	28315.839	30094.575	31847.817	33575.647	35278.152	36955.416	38607.525
39	22960.685	24815.041	26643.653	28446.605	30223.977	31975.855	33702.322	35403.463	37079.364	38730.109
40	23098.924	24951.881	26779.094	28580.646	30356.619	32107.098	33832.166	35531.909	37206.412	38855.759
41	23240.539	25092.060	26917.839	28717.957	30492.496	32241.541	33965.176	35663.485	37336.554	38984.468
42	23385.522	25235.574	27059.883	28858.532	30631.602	32379.178	34101.344	35798.184	37469.785	39116.231
43	23533.867	25382.415	27205.220	29002.364	30773.930	32520.002	34240.664	35936.001	37606.098	39251.041
44	23685.569	25532.577	27353.843	29149.447	30919.474	32664.007	34383.130	36076.929	37745.488	39388.892
45	23840.621	25686.055	27505.745	29299.776	31068.228	32811.187	34528.736	36220.961	37887.946	39529.778
46	23999.017	25842.840	27660.921	29453.342	31220.185	32961.535	34677.475	36368.091	38033.468	39673.691
47	24160.749	26002.927	27819.364	29610.140	31375.339	33115.044	34829.340	36518.312	38182.046	39820.625
48	24325.811	26166.309	27981.066	29770.163	31533.682	33271.708	34984.325	36671.618	38333.672	39970.573
49	24494.195	26332.979	28146.021	29933.403	31695.208	33431.519	35142.422	36828.001	38488.341	40123.528
50	24665.896	26502.929	28314.221	30099.853	31859.908	33594.470	35303.624	36987.453	38646.045	40279.483
51	24840.904	26676.153	28485.660	30269.507	32027.777	33760.554	35467.923	37149.969	38806.776	40438.431
52	25019.214	26852.642	28660.329	30442.356	32198.806	33929.764	35635.313	37315.539	38970.527	40600.363
53	25200.817	27032.390	28838.221	30618.393	32372.989	34102.091	35805.786	37484.157	39137.291	40765.272
54	25385.705	27215.388	29019.329	30797.611	32550.316	34277.529	35979.333	37655.815	39307.059	40933.151
55	25573.872	27401.629	29203.644	30980.001	32730.781	34456.068	36155.948	37830.505	39479.824	41103.992
56	25765.308	27591.104	31165.555	32914.374	34637.702	36335.621	38008.218	39655.578	41777.786	
57	25960.005	27783.806	31354.265	33101.089	34822.421	36518.345	38188.947	39834.312	41454.525	
58	26157.956	27979.726	31546.124	33290.917	35010.218	36704.111	38372.683	40016.017	41634.200	
59	26359.152	28178.855	29972.818	31741.121	33483.848	35201.084	36892.912	38559.417	40200.687	41816.804
60	26563.584	28381.186	30173.047	31939.249	33679.876	35395.010	37084.737	38749.142	40388.311	42002.328
61	26771.243	28586.709	30376.434	32140.500	33878.990	35591.988	37279.579	38941.848	40578.881	42190.762
62	26982.121	28795.416	30582.969	32344.863	34081.182	35792.009	37477.428	39137.526	40772.388	42382.098
63	27196.209	29007.297	30792.643	32552.331	34286.443	35995.063	37678.276	39336.168	40968.823	42576.327
64	27413.497	29222.343	31005.448	32762.894	34494.764	36201.142	37882.113	39537.763	41168.176	42773.439
65	27633.977	29440.546	31221.373	32976.542	34706.135	36410.236	38088.930	39742.303	41370.440	42973.426

Table 1. (Cont.)

J	X10	X11	X12	X13	X14	X15	X16	X17	X18	X19
66	27857.638	29661.895	31440.410	33193.266	34920.547	36622.335	38298.717	39949.778	41575.602	43176.276
67	28084.472	29886.381	31662.548	33413.057	35137.990	36837.431	38511.465	40160.178	41783.655	43381.984
68	28314.468	30113.994	31887.779	33635.905	35358.454	37055.513	38727.164	40373.494	41994.589	43590.533
69	28547.617	30344.725	32116.092	33861.799	35581.931	37276.571	38945.804	40589.716	42208.392	43801.918
70	28783.908	30578.563	32347.476	34090.731	35808.409	37500.595	39167.375	40808.834	42425.056	44016.129
71	29023.332	30815.498	32581.923	34322.689	36037.878	37727.576	39391.867	41030.836	42644.570	44233.154
72	29265.878	31055.521	32819.422	34557.663	36270.328	37957.502	39619.269	41255.714	42866.924	44452.983
73	29511.536	31298.620	33059.962	34795.644	36505.749	38190.363	39849.571	41483.456	43092.106	44675.606
74	29760.296	31544.785	33303.532	35036.619	36744.130	38426.150	40082.762	41714.052	43320.107	44901.012
75	30012.146	31794.005	33550.122	35280.580	36985.461	38664.850	40318.831	41947.492	43550.916	45129.190
76	30267.076	32046.270	33799.722	35527.514	37229.729	38906.452	40557.768	42183.763	43784.521	45360.130
77	30525.074	32301.568	34052.320	35777.411	37476.925	39150.947	40799.562	42422.855	44020.912	45593.819
78	30786.131	32559.889	34307.904	36030.259	37727.037	39398.323	41044.201	42664.757	44260.077	45830.247
79	31050.233	32821.221	34566.465	36286.048	37980.054	39648.568	41291.674	42909.458	44502.005	46069.403
80	31317.371	33085.552	34827.989	36544.766	38235.965	39901.671	41541.969	43156.945	44746.685	46311.274
81	31587.533	33352.872	35092.467	36806.401	38494.757	40157.620	41795.075	43407.208	44994.104	46555.849
82	31860.706	33623.168	35359.885	37070.941	38756.419	40416.403	42050.980	43660.234	45244.251	46803.117
83	32136.879	33896.428	35630.233	37338.375	39020.939	40678.010	42309.672	43916.011	45497.114	47053.065
84	32416.041	34172.642	35903.497	37608.691	39288.306	40942.427	42571.139	44174.529	45752.681	47305.682
85	32698.179	34451.796	36179.667	37881.876	39558.507	41209.643	42835.369	44435.773	46010.939	47560.954
86	32983.260	34733.878	36458.730	38157.919	39831.529	41479.644	43102.350	44699.732	46271.877	47818.870
87	33271.333	35018.877	36740.673	38436.807	40107.361	41752.420	43372.069	44966.394	46535.481	48079.417
88	33562.326	35306.778	37025.485	38718.527	40385.989	42027.956	43644.513	45235.745	46801.740	48342.582
89	33856.244	35597.571	37313.151	39003.067	40667.402	42306.241	43919.670	45507.774	47070.639	48608.352
90	34153.076	35891.242	37603.660	39290.414	40951.586	42587.262	44197.527	45782.466	47342.167	48876.716
91	34452.810	36187.778	37896.999	39580.554	41238.528	42871.005	44478.070	46059.810	47616.311	49147.658
92	34755.430	36487.167	38193.154	39873.476	41528.215	43157.457	44761.287	46339.792	47893.056	49421.167
93	35060.926	36789.394	38492.113	40169.165	41820.634	43446.606	45047.165	46622.397	48172.390	49697.228
94	35369.283	37094.447	38793.861	40467.608	42115.772	43738.437	45335.689	46907.614	48454.299	49975.829
95	35680.487	37402.312	39098.386	40768.792	42413.614	44032.937	45626.847	47195.429	48738.770	50256.955
96	35994.526	37712.976	39405.674	41072.703	42714.148	44330.093	45920.624	47485.827	49025.788	50540.594
97	36311.386	38026.425	39715.711	41379.328	43017.359	44629.891	46217.007	47778.795	49315.340	50826.729
98	36631.052	38342.644	40028.483	41688.652	43323.234	44932.316	46515.982	48074.318	49607.412	51115.349
99	36953.512	38661.621	40343.976	42000.661	43631.758	45237.354	46817.534	48372.384	49901.990	51406.438
100	37278.750	38983.341	40662.177	42315.341	43942.918	45544.992	47121.650	48672.976	50199.058	51699.982
101	-37606.752	-39307.789	-40983.070	-42632.679	-44256.699	-45855.215	-47428.314	-48976.081	-50498.604	-51995.967
102	-37937.505	-39634.952	-41306.642	-42952.658	-44573.086	-46168.008	-47737.513	-49281.685	-50800.611	-52294.378
103	-38270.993	-39964.814	-41632.877	-43275.266	-44892.064	-46483.358	-48049.231	-49589.772	-51105.066	-52595.200
104	-38607.203	-40297.362	-41961.762	-43600.487	-45213.620	-46801.248	-48363.455	-49900.328	-51411.954	-52898.418
105	-38946.118	-40632.579	-42293.281	-43928.306	-45537.738	-47121.664	-48680.168	-50213.337	-51721.258	-53204.018
106	-39287.725	-40970.453	-42627.419	-44258.708	-45864.403	-47444.591	-48999.356	-50528.786	-52032.966	-53511.983
107	-39632.008	-41310.966	-42964.162	-44591.678	-46193.601	-47770.014	-49321.004	-50846.657	-52347.060	-53822.299
108	-39978.953	-41654.105	-43303.493	-44927.202	-46525.315	-48097.917	-49645.096	-51166.936	-52663.525	-54134.950
109	-40328.543	-41999.853	-43645.398	-45265.263	-46859.530	-48428.286	-49711.616	-51489.608	-52982.347	-54449.921
110	-40680.764	-42348.196	-43989.862	-45605.845	-47196.231	-48761.104	-50300.550	-51814.656	-53303.509	-54767.195
111	-41035.600	-42699.118	-44336.868	-45948.935	-47535.402	-49096.356	-50631.881	-52142.066	-53626.996	-55086.758
112	-41393.036	-43052.603	-44686.401	-46294.515	-47877.027	-49434.025	-50965.594	-52471.820	-53952.790	-55408.592
113	-41753.054	-43408.635	-45038.445	-46642.569	-48221.091	-49774.097	-51301.672	-52803.903	-54280.877	-55732.682
114	-42115.641	-43767.198	-45392.984	-46993.082	-48567.577	-50116.554	-51640.099	-53138.299	-54611.241	-56059.011
115	-42480.778	-44128.277	-45750.002	-47346.038	-48916.469	-50461.380	-51980.859	-53474.991	-54943.863	-56387.563
116	-42848.452	-44491.854	-46109.482	-47701.419	-49267.750	-50808.560	-52323.935	-53813.963	-55278.729	-56718.322
117	-43218.644	-44857.914	-46471.409	-48059.211	-49621.405	-51158.076	-52669.312	-54155.198	-55615.822	-57051.270
118	-43591.338	-45526.441	-46835.765	-48419.395	-49977.416	-51509.912	-53016.971	-54498.679	-55955.124	-57386.391
119	-43966.519	-45597.417	-47202.534	-48781.956	-50335.767	-51864.052	-53366.897	-54844.391	-56296.618	-57723.668
120	-44344.169	-45970.825	-47571.700	-49146.877	-50696.440	-52220.477	-53719.073	-55192.314	-56640.289	-58063.084
121	-44724.272	-46346.650	-47943.245	-49514.140	-51059.420	-52579.172	-54073.480	-55542.433	-56986.118	-58404.621
122	-45106.810	-46724.873	-48317.152	-49883.728	-51424.689	-52940.118	-54430.103	-55894.731	-57334.088	-58748.262
123	-45491.766	-47105.479	-48693.404	-50255.626	-51792.229	-53303.299	-54788.923	-56249.188	-57684.181	-59093.989
124	-45879.124	-47488.449	-49071.984	-50629.814	-52162.023	-53668.698	-55149.924	-56605.789	-58036.381	-59441.786
125	-46268.866	-47873.766	-49452.874	-51006.275	-52534.054	-54036.295	-55513.087	-56964.516	-58390.669	-59791.633
126	-46660.974	-48261.412	-49836.057	-51384.993	-52908.303	-54406.075	-55878.395	-57325.350	-58747.027	-60143.514
127	-47055.431	-48651.371	-50221.516	-51765.948	-53284.754	-54778.019	-56245.830	-57688.274	-59105.438	-60497.409
128	-47452.219	-49043.624	-50609.231	-52149.124	-53663.388	-55152.109	-56615.374	-58053.269	-59465.883	-60853.302
129	-47851.321	-49438.154	-50999.186	-52534.503	-54044.188	-55528.327	-56987.008	-58420.318	-59828.344	-61211.173
130	-48252.718	-49834.942	-51391.363	-52922.065	-54427.134	-55906.655	-57360.715	-58789.402	-60192.802	-61571.004
131	-48656.392	-50233.970	-51785.743	-53311.794	-54812.209	-56287.074	-57736.476	-59160.502	-60559.240	-61932.777

Table 1. (Cont.)

J	X20	X21	X22	X23	X24	X25	X26	X27	X28	X29
0	37917.091	39545.013	41148.026	42726.211	44279.647	45808.412	47312.581	48792.226	50247.415	51678.213
1	37920.237	39548.124	41151.102	42729.252	44282.653	45811.383	47315.517	48795.127	50250.282	51681.045
2	37926.528	39554.346	41157.254	42735.334	44288.665	45817.326	47321.390	48800.931	50256.015	51686.709
3	37935.965	39563.678	41166.481	42744.457	44297.683	45826.239	47330.199	48809.635	50264.615	51695.205
4	37948.546	39576.120	41178.784	42756.620	44309.707	45838.123	47341.944	48821.240	50276.081	51706.531
5	37964.272	39591.671	41194.161	42771.822	44324.735	45852.977	47356.623	48835.746	50290.413	51720.688
6	37983.141	39610.331	41212.611	42790.063	44342.767	45870.800	47374.237	48853.151	50307.608	51737.675
7	38005.153	39632.099	41234.135	42811.343	44363.802	45891.591	47394.785	48873.454	50327.668	51757.491
8	38030.307	39656.973	41258.730	42835.659	44387.840	45915.350	47418.264	48896.655	50350.590	51780.135
9	38058.601	39684.953	41286.396	42863.011	44414.878	45942.074	47444.675	48922.752	50376.374	51805.605
10	38090.034	39716.037	41317.131	42893.397	44444.916	45971.763	47474.015	48951.744	50405.018	51833.901
11	38124.605	39750.224	41350.934	42926.817	44477.951	46004.416	47506.284	48983.630	50436.520	51865.020
12	38162.312	39787.512	41387.804	42963.267	44513.983	46040.029	47541.480	49018.407	50470.880	51898.962
13	38203.152	39827.899	41427.737	43002.748	44553.010	46078.603	47579.600	49056.075	50508.094	51935.724
14	38247.126	39871.384	41470.733	43045.255	44595.030	46120.134	47620.644	49096.630	50548.162	51975.304
15	38294.229	39917.964	41516.790	43090.788	44640.040	46164.621	47664.608	49140.072	50591.081	52017.701
16	38344.460	39967.637	41565.904	43139.345	44688.038	46212.062	47711.491	49186.397	50636.849	52062.911
17	38397.817	40020.400	41618.075	43190.922	44739.023	46262.454	47761.290	49235.604	50685.464	52110.934
18	38454.297	40076.252	41673.298	43245.518	44792.991	46315.794	47814.003	49287.689	50736.922	52161.765
19	38513.898	40135.189	41731.573	43303.129	44849.939	46372.080	47869.626	49342.651	50791.221	52215.403
20	38576.616	40197.209	41792.895	43363.753	44909.866	46431.309	47928.158	49400.486	50848.360	52271.844
21	38642.449	40262.309	41857.261	43427.388	44972.767	46493.478	47989.595	49611.191	50908.333	52331.086
22	38711.393	40330.485	41924.670	43494.028	45038.641	46558.585	48053.935	49524.763	50971.139	52393.126
23	38783.445	40401.735	41995.117	43563.673	45107.483	46626.624	48121.173	49591.200	51036.774	52457.959
24	38858.603	40476.054	42068.599	43636.317	45179.290	46697.595	48191.306	49660.496	51105.234	52525.584
25	38936.862	40553.440	42145.112	43711.958	45254.059	46771.491	48264.331	49732.650	51176.516	52595.995
26	39018.218	40633.889	42224.653	43790.592	45331.785	46848.311	48340.244	49807.656	51250.617	52669.189
27	39102.668	40717.396	42307.218	43872.215	45412.466	46928.050	48419.041	49885.512	51327.532	52745.164
28	39190.208	40803.959	42392.803	43956.822	45496.097	47010.704	48500.719	49966.214	51407.257	52823.913
29	39280.834	40893.572	42481.404	44044.411	45582.673	47096.269	48585.272	50049.756	51489.788	52905.434
30	39374.541	40986.623	42573.016	44134.976	45672.191	47184.740	48672.697	50136.135	51575.121	52989.721
31	39471.325	41081.933	42667.635	44228.513	45764.646	47276.114	48762.989	50225.346	51663.251	53076.771
32	39571.181	41180.671	42765.256	44325.017	45860.034	47370.385	48856.144	50317.384	51754.174	53166.579
33	39674.105	41282.442	42865.875	44424.484	45958.349	47467.548	48952.157	50412.246	51847.885	53259.139
34	39780.091	41387.242	42969.487	44526.909	46059.587	47567.600	49051.022	50509.925	51944.379	53354.448
35	39889.135	41495.063	43076.086	44632.286	46163.743	47670.534	49152.735	50610.418	52043.651	53452.499
36	40001.232	41605.902	43185.668	44740.611	46270.811	47776.346	49257.291	50713.717	52145.695	53553.288
37	40116.376	41719.754	43298.227	44851.878	46380.787	47885.030	49364.683	50819.820	52250.507	53656.810
38	40234.562	41836.612	43413.758	44966.082	46493.664	47996.581	49474.908	50928.718	52358.080	53763.058
39	40355.784	41956.471	43532.255	45083.217	46609.437	48110.992	49587.959	51040.408	52468.409	53872.027
40	40480.036	42079.326	43653.712	45203.277	46728.100	48228.259	49703.829	51154.883	52581.489	53983.711
41	40607.312	42205.170	43778.124	45326.257	46849.648	48348.375	49822.514	51272.137	52697.312	54098.104
42	40737.607	42333.997	43905.484	45452.150	46974.074	48471.335	49944.008	51392.164	52815.874	54215.201
43	40870.914	42465.801	44035.786	45580.949	47101.372	48597.131	50068.303	51514.959	52937.168	54334.994
44	41007.227	42600.577	44169.024	45712.650	47231.535	48725.758	50195.393	51640.513	53061.186	54457.478
45	41146.540	42738.316	44305.191	45847.244	47364.558	48857.209	50325.273	51768.822	53187.924	54582.645
46	41288.845	42879.013	44444.280	45984.727	47500.433	48991.477	50457.935	51899.877	53317.374	54710.490
47	41434.135	43022.661	44586.285	46125.089	47639.154	49128.556	50593.372	52033.673	53449.529	54841.004
48	41582.405	43169.253	44731.199	46268.326	47780.713	49268.438	50731.577	52170.202	53584.382	54974.182
49	41733.647	43318.781	44879.015	46414.429	47925.103	49411.117	50872.544	52309.458	53721.927	55110.015
50	41887.853	43471.239	45029.725	46563.391	48072.318	49556.584	51016.265	52451.432	53862.154	55248.498
51	42045.017	43626.620	45183.322	46715.205	48222.349	49704.833	51162.732	52596.117	54005.059	55389.621
52	42205.131	43784.915	45339.798	46869.863	48375.190	49855.856	51311.938	52743.506	54150.631	55533.377
53	42368.186	43946.116	45499.147	47027.358	48530.832	50009.646	51463.875	52893.592	54298.865	55679.760
54	42534.176	44110.217	45661.359	47187.682	48689.268	50166.194	51618.536	53046.365	54449.751	55828.760
55	42703.092	44277.209	45826.427	47350.827	48850.490	50325.492	51775.911	53201.818	54603.283	55980.369
56	42874.926	44447.085	45994.343	47516.784	49014.488	50487.533	51935.994	53359.944	54759.451	56134.581
57	43049.671	44619.834	46165.099	47685.546	49181.257	50652.308	52098.776	53520.733	54918.247	56291.385
58	43227.317	44795.451	46338.686	47857.104	49350.785	50819.808	52264.247	53684.176	55079.663	56450.774
59	43407.856	44973.925	46515.095	48031.449	49523.066	50990.025	52432.401	53850.266	55243.691	56612.738
60	43591.279	45155.248	46694.319	48208.573	49698.090	51162.950	52603.227	54018.994	55410.320	56777.270
61	43777.578	45339.411	46876.347	48388.466	49875.849	51338.574	52776.717	54190.351	55579.543	56944.360
62	43966.743	45526.406	47061.171	48571.120	50056.333	51516.889	52952.863	54364.327	55751.350	57113.998
63	44158.766	45716.223	47248.782	48756.526	50239.534	51697.884	53131.653	54540.913	55925.732	57286.177
64	44353.637	45908.853	47439.171	48944.674	50425.441	51881.552	53313.080	54720.100	56102.680	57460.885
65	44551.346	46104.286	47632.328	49135.555	50614.046	52067.881	53497.134	54901.879	56282.184	57638.114

Table 1. (Cont.)

J	X20	X21	X22	X23	X24	X25	X26	X27	X28	X29
66	44751.885	46302.513	47828.243	49329.159	50805.339	52256.862	53683.805	55086.239	56464.234	57817.855
67	44955.243	46503.524	48026.908	49525.476	50999.310	52448.487	53873.083	55273.171	56648.820	58000.096
68	45161.411	46707.310	48228.311	49724.497	51195.948	52642.744	54064.959	55462.665	56835.934	58184.828
69	45370.379	46913.859	48432.443	49926.211	51395.246	52839.624	54259.421	55654.711	57025.563	58372.041
70	45582.136	47123.163	48639.293	50130.609	51597.190	53039.116	54456.461	55849.299	57217.699	58561.725
71	45796.673	47335.211	48848.853	50337.680	51801.773	53241.210	54656.068	56046.418	57412.330	58753.869
72	46013.978	47549.992	49061.110	50547.413	52008.982	53445.896	54858.230	56246.057	57609.446	58948.463
73	46234.041	47767.496	49276.054	50759.798	52218.808	53653.163	55062.938	56448.206	57809.037	59145.495
74	46456.852	47987.712	49493.675	50974.824	52431.240	53863.000	55270.180	56652.854	58011.091	59344.955
75	46682.400	48210.629	49713.962	51192.481	52646.266	54075.395	55479.946	56859.990	58215.597	59546.832
76	46910.673	48436.236	49936.903	51412.756	52863.875	54290.339	55692.224	57069.603	58422.545	59751.114
77	47141.661	48664.523	50162.488	51635.639	53084.057	54507.820	55907.004	57281.681	58631.922	59957.791
78	47375.352	48895.477	50390.705	51861.119	53306.800	54727.826	56124.273	57496.214	58843.718	60166.851
79	47611.735	49129.087	50621.543	52089.184	53532.093	54950.346	56344.020	57713.189	59057.921	60378.281
80	47850.798	49365.342	50854.989	52319.823	53759.923	55175.368	56566.234	57932.594	59274.518	60592.071
81	48092.530	49604.230	51091.033	52553.023	53990.279	55402.880	56790.902	58154.419	59493.499	60808.208
82	48336.918	49845.739	51329.663	52788.773	54223.149	55632.871	57018.013	58378.650	59714.851	61026.681
83	48583.951	50089.857	51570.866	53027.060	54458.521	55865.327	57247.555	58605.276	59938.562	61247.476
84	48833.617	50336.572	51814.630	53267.873	54696.383	56100.238	57479.514	58834.285	60164.619	61470.582
85	49085.903	50585.871	52060.942	53511.199	54936.722	56337.590	57713.879	59065.663	60393.010	61695.986
86	49340.797	50837.743	52309.791	53757.025	55179.526	56577.371	57950.637	59299.398	60623.722	61923.676
87	49598.286	51092.174	52561.164	54005.340	55424.782	56819.568	58189.776	59535.478	60856.743	62153.638
88	49858.357	51349.151	52815.048	54256.129	55672.477	57064.169	58431.282	59773.889	61092.060	62385.860
89	50120.999	51608.663	53071.429	54509.381	55922.598	57311.160	58675.142	60014.618	61329.658	62620.328
90	50386.197	51870.695	53330.296	54765.082	56175.132	57560.528	58921.344	60257.653	61569.527	62857.029
91	50653.938	52135.236	53591.635	55023.218	56430.067	57812.260	59169.873	60502.980	61811.650	63095.950
92	50924.210	52402.270	53855.432	55283.777	56687.388	58066.342	59420.717	60750.585	62056.017	63337.077
93	51196.999	52671.786	54121.673	55546.745	56947.082	58322.762	59673.862	61000.455	62302.611	63580.397
94	51472.291	52943.768	54390.347	55812.108	57209.135	58581.504	59929.294	61252.576	62551.421	63825.895
95	51750.072	53218.205	54661.437	56079.853	57473.533	58842.556	60186.998	61506.934	62802.431	64073.558
96	52030.329	53495.081	54934.932	56349.966	57740.263	59105.903	60446.963	61763.514	63055.628	64323.371
97	52313.049	53774.383	55210.816	56622.432	58009.310	59371.532	60709.172	62022.404	63310.998	64575.320
98	52598.215	54056.096	55489.076	56897.237	58280.661	59639.427	60973.611	62283.287	63568.525	64829.391
99	52885.815	54340.207	55769.696	57174.367	58554.300	59909.574	61240.267	62546.451	63828.196	65085.568
100	53175.835	54626.700	56052.663	57453.807	58830.213	60181.960	61509.124	62811.779	64089.995	65343.838
101	-53468.258	-54915.562	-56337.962	-57735.543	-59108.385	-60456.568	-61780.168	-63079.258	-64353.908	-65604.186
102	-53763.071	-55206.777	-56625.579	-58019.560	-59388.802	-60733.384	-62053.383	-63348.872	-64619.920	-65866.595
103	-54060.260	-55500.331	-56915.498	-58305.843	-59671.449	-61012.394	-62328.755	-63620.606	-64888.016	-66131.052
104	-54359.808	-55796.208	-57207.704	-58594.377	-59956.310	-61293.582	-62606.269	-63894.445	-65158.180	-66397.541
105	-54661.701	-56094.394	-57502.182	-58885.147	-60243.370	-61576.932	-62885.909	-64170.374	-65430.397	-66666.045
106	-54965.924	-56394.873	-57798.917	-59178.136	-60532.614	-61862.430	-63167.659	-64448.376	-65704.652	-66936.551
107	-55272.461	-56697.630	-58097.893	-59473.331	-60824.027	-62150.059	-63451.505	-64728.437	-65980.927	-67209.041
108	-55581.296	-57002.650	-58399.095	-59770.715	-61117.592	-62439.804	-63737.429	-65010.541	-66259.209	-67483.500
109	-55892.415	-57309.915	-58702.507	-60070.272	-61413.293	-62731.649	-64025.417	-65294.671	-66539.480	-67759.912
110	-56205.601	-57619.412	-59008.113	-60371.987	-61711.115	-63025.578	-64315.452	-65580.811	-66821.725	-68038.261
111	-56521.438	-57931.123	-59315.897	-60675.842	-62011.042	-63321.575	-64607.518	-65868.946	-67105.927	-68318.529
112	-56839.311	-58245.033	-59625.842	-60981.823	-62313.057	-63619.624	-64901.599	-66159.058	-67392.070	-68600.702
113	-57159.402	-58561.125	-59937.934	-61289.913	-62617.144	-63919.707	-65197.678	-66451.131	-67680.137	-68884.761
114	-57481.696	-58879.383	-60252.154	-61600.095	-62923.287	-64221.809	-65495.738	-66745.149	-67970.111	-69170.691
115	-57806.177	-59199.790	-60568.487	-61912.353	-63231.468	-64525.912	-65795.763	-67041.094	-68261.975	-69458.474
116	-58132.827	-59522.330	-60886.916	-62226.670	-63541.671	-64832.001	-66097.736	-67338.950	-68555.713	-69748.093
117	-58461.629	-59846.986	-61207.424	-62543.028	-63853.879	-65140.057	-66401.639	-67638.699	-68851.308	-70039.531
118	-58792.568	-60173.741	-61529.994	-62861.411	-64168.075	-65450.064	-66707.456	-67940.324	-69148.741	-70332.771
119	-59125.626	-60502.578	-61854.609	-63181.802	-64484.241	-65762.004	-67015.168	-68243.809	-69447.995	-70627.794
120	-59460.785	-60833.479	-62181.251	-63504.184	-64802.360	-66075.860	-67324.760	-68549.134	-69749.053	-70924.584
121	-59798.028	-61166.428	-62509.903	-63828.538	-65122.415	-66391.614	-67636.212	-68856.293	-70051.897	-71223.122
122	-60137.339	-61501.406	-62840.548	-64154.848	-65444.388	-66709.249	-67949.507	-69165.237	-70356.509	-71523.391
123	-60478.699	-61838.397	-63173.167	-64483.095	-65768.261	-67028.746	-68264.628	-69475.979	-70662.872	-71825.372
124	-60822.090	-62177.381	-63507.744	-64813.261	-66094.016	-67350.088	-68581.555	-69788.490	-70970.966	-72129.047
125	-61167.496	-62518.343	-63844.259	-65145.330	-66421.636	-67673.257	-68900.271	-70102.753	-71280.773	-72434.398
126	-61514.897	-62861.262	-64182.696	-65479.281	-66751.101	-67998.234	-69220.758	-70418.748	-71592.275	-72741.405
127	-61864.276	-63206.122	-64523.035	-65815.098	-67082.393	-68325.000	-69542.997	-70736.458	-71905.453	-73050.051
128	-62215.614	-63552.904	-64865.259	-66152.761	-67415.494	-68653.538	-69866.969	-71055.863	-72220.289	-73360.317
129	-62568.893	-63901.589	-65209.348	-66492.253	-67750.386	-68983.828	-70192.656	-71376.944	-72536.764	-73672.182
130	-62924.094	-64252.159	-65555.284	-66833.554	-68087.049	-69315.851	-70520.038	-71699.683	-72854.858	-73985.630
131	-63281.200	-64604.595	-65903.049	-67176.645	-68425.465	-69649.590	-70849.097	-72024.060	-73174.552	-74300.639

Table 1. (Cont.)

J	X30	X31	X32	X33	X34	X35	X36	X37
0	53084.680	54466.871	55824.834	57158.613	58468.244	59753.756	61015.170	62252.496
1	53087.477	54469.633	55827.562	57161.306	58470.903	59756.380	61017.759	62255.050
2	53093.072	54475.158	55833.017	57166.692	58476.219	59761.626	61022.936	62260.158
3	53101.463	54483.444	55841.199	57174.770	58484.192	59769.496	61030.701	62267.819
4	53112.650	54494.493	55852.108	57185.540	58494.823	59779.988	61041.054	62278.033
5	53126.633	54508.302	55865.743	57199.001	58508.111	59793.102	61053.994	62290.800
6	53143.411	54524.871	55882.104	57215.153	58524.054	59808.837	61069.521	62306.118
7	53162.984	54544.200	55901.189	57233.995	58542.653	59827.192	61087.633	62323.987
8	53185.349	54566.287	55922.998	57255.525	58563.905	59848.166	61108.329	62344.406
9	53210.506	54591.131	55947.529	57279.743	58587.810	59871.759	61131.609	62367.373
10	53238.453	54618.730	55974.780	57306.647	58614.366	59897.967	61157.470	62392.887
11	53269.190	54649.084	56004.751	57336.236	58643.573	59926.791	61185.912	62420.947
12	53302.714	54682.190	56037.440	57368.507	58675.427	59958.229	61216.933	62451.551
13	53339.023	54718.047	56072.845	57403.460	58709.927	59992.277	61250.530	62484.697
14	53378.116	54756.653	56110.963	57441.091	58747.072	60028.936	61286.702	62520.382
15	53419.990	54798.005	56151.794	57481.400	58786.860	60068.202	61325.447	62558.606
16	53464.644	54842.102	56195.334	57524.384	58829.287	60110.073	61366.762	62599.366
17	53512.074	54888.941	56241.581	57570.040	58874.352	60154.547	61410.645	62642.658
18	53562.279	54938.519	56290.533	57618.365	58922.052	60201.621	61457.094	62688.482
19	53615.255	54990.834	56342.187	57669.358	58972.384	60251.293	61506.105	62736.833
20	53671.000	55045.882	56396.540	57723.015	59025.345	60303.559	61557.676	62787.710
21	53729.511	55103.662	56453.588	57779.333	59080.933	60358.417	61611.804	62841.108
22	53790.784	55164.169	56513.330	57838.310	59139.144	60415.863	61668.486	62897.025
23	53854.617	55227.401	56575.761	57899.941	59199.975	60475.894	61727.718	62955.458
24	53921.605	55293.354	56640.879	57964.223	59263.423	60538.507	61789.496	63016.403
25	53991.146	55362.024	56708.678	58031.153	59329.483	60603.698	61853.818	63079.856
26	54063.435	55433.407	56779.157	58100.726	59398.152	60671.463	61920.679	63145.814
27	54138.468	55507.501	56852.310	58172.940	59469.426	60741.798	61990.076	63214.272
28	54216.242	55584.300	56928.134	58247.790	59543.302	60814.700	62062.004	63285.226
29	54296.753	55663.800	57006.625	58325.271	59619.774	60890.163	62136.459	63358.673
30	54379.995	55745.997	57087.778	58405.379	59698.838	60968.184	62213.436	63434.608
31	54465.965	55830.887	57171.588	58488.110	59780.491	61048.758	62292.932	63513.026
32	54554.657	55918.465	57258.051	58573.460	59864.726	61131.880	62374.941	63593.922
33	54646.068	56008.726	57347.163	58661.422	59951.540	61217.545	62459.459	63677.292
34	54740.191	56101.665	57438.917	58751.993	60040.927	61305.749	62546.480	63763.131
35	54837.023	56197.277	57533.310	58845.167	60132.882	61396.486	62635.999	63851.433
36	54936.557	56295.556	57630.336	58940.938	60227.401	61489.752	62728.012	63942.194
37	55038.788	56396.498	57729.988	59039.302	60324.476	61585.539	62822.512	64035.407
38	55143.712	56500.097	57832.263	59140.253	60424.104	61683.844	62919.494	64131.067
39	55251.321	56606.347	57937.154	59243.785	60526.278	61784.660	63018.953	64229.168
40	55361.610	56715.242	58044.655	59349.893	60630.992	61887.981	63120.881	64329.705
41	55474.574	56826.776	58154.760	59458.569	60738.240	61993.801	63225.274	64432.671
42	55590.206	56940.943	58267.463	59569.809	60848.016	62102.115	63332.125	64538.060
43	55708.499	57057.737	58382.758	59683.605	60960.314	62212.915	63441.428	64645.866
44	55829.448	57177.151	58500.638	59799.951	61075.127	62326.195	63553.176	64756.081
45	55953.045	57299.179	58621.097	59918.841	61192.448	62441.948	63667.362	64868.700
46	56079.285	57423.814	58744.127	60040.267	61312.272	62560.169	63783.979	64983.716
47	56208.159	57551.049	58869.722	60164.224	61434.590	62680.849	63903.022	65101.121
48	56339.661	57680.876	58997.875	60290.703	61559.395	62803.981	64024.482	65220.909
49	56473.785	57813.289	59128.579	60419.698	61686.681	62929.559	64148.352	65343.072
50	56610.521	57948.281	59261.826	60551.200	61816.440	63057.574	64274.624	65467.602
51	56749.864	58085.843	59397.609	60685.204	61948.664	63188.020	64403.292	65594.493
52	56891.805	58225.969	59535.919	60821.700	62083.346	63320.889	64534.348	65723.735
53	57036.336	58368.650	59676.750	60960.681	62220.478	64356.172	64667.782	65855.322
54	57183.450	58513.878	59820.093	61102.139	62360.052	63593.862	64803.589	65989.246
55	57333.139	58661.646	59965.940	61246.066	62502.059	63733.950	64941.758	66125.497
56	57485.393	58811.944	60114.283	61392.454	62646.492	63876.428	65082.283	66264.068
57	57640.206	58964.765	60265.113	61541.293	62793.342	64021.288	65225.154	66404.950
58	57797.568	59120.101	60418.422	61692.577	62942.600	64168.521	65370.362	66548.135
59	57957.470	59277.941	60574.202	61846.295	63094.257	64318.119	65517.900	66693.614
60	58119.904	59438.278	60732.442	62002.439	63248.305	64470.071	65667.758	66841.377
61	58284.861	59601.103	60893.134	62160.999	63404.735	64624.370	65819.926	66991.415
62	58452.332	59766.405	61056.270	62321.968	63563.537	64781.006	65974.396	67143.720
63	58622.306	59934.177	61221.839	62485.334	63724.701	64939.969	66131.158	67298.282
64	58794.776	60104.408	61389.832	62651.090	63888.220	65101.250	66290.203	67455.091
65	58969.731	60277.089	61560.239	62819.224	64054.081	65264.840	66451.521	67614.137

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Table 1. (Cont.)

J	X30	X31	X32	X33	X34	X35	X36	X37
66	59147.162	60452.211	61733.052	62989.728	64222.277	65430.728	66615.102	67775.411
67	59327.058	60629.767	61908.259	63162.591	64392.797	65598.904	66780.936	67938.903
68	59509.410	60809.734	62085.851	63337.804	64565.630	65769.359	66949.012	68104.602
69	59694.207	60992.116	62265.817	63515.355	64740.767	65942.082	67119.321	68272.498
70	59881.439	61176.897	62448.148	63695.235	64918.197	66117.062	67291.852	68442.580
71	60071.096	61364.067	62632.832	63877.433	65097.910	66294.290	67466.595	68614.838
72	60263.167	61553.616	62819.859	64061.939	65279.894	66473.753	67643.538	68789.261
73	60457.642	61745.533	63009.218	64248.741	65464.139	66655.442	67822.670	68965.838
74	60654.508	61939.806	63200.898	64437.828	65650.634	66839.344	68003.981	69144.557
75	60853.756	62136.424	63394.888	64629.190	65839.367	67025.450	68187.460	69325.409
76	61055.373	62335.377	63591.176	64822.814	66030.328	67213.747	68373.094	69508.380
77	61259.350	62536.653	63789.752	65018.690	66223.505	67404.225	68560.873	69693.460
78	61465.673	62740.240	63990.604	65216.806	66418.885	67596.871	68750.784	69880.637
79	61674.331	62946.127	64193.719	65417.150	66616.458	67791.673	68942.816	70069.899
80	61885.314	63154.302	64399.086	65619.710	66816.212	67988.620	69136.956	70261.234
81	62098.607	63364.752	64606.693	65824.475	67018.133	68187.699	69333.193	70454.629
82	62314.201	63577.466	64816.529	66031.431	67222.211	68388.898	69531.515	70650.073
83	62532.081	63792.432	65028.579	66240.567	67428.433	68592.206	69731.908	70847.552
84	62752.236	64009.636	65242.833	66451.870	67636.785	68797.608	69934.360	71047.055
85	62974.653	64229.066	65459.276	66665.327	67847.256	69005.093	70138.859	71248.568
86	63199.320	64450.710	65677.898	66880.926	68059.832	69214.647	70345.391	71452.079
87	63426.223	64674.555	65898.684	67098.653	68274.501	69426.257	70553.944	71657.573
88	63655.350	64900.587	66121.621	67318.496	68491.249	69639.911	70764.503	71865.039
89	63886.687	65128.793	66346.697	67540.441	68710.064	69855.595	70977.057	72074.462
90	64120.222	65359.161	66573.897	67764.475	68930.931	70073.295	71191.590	72285.829
91	64355.940	65591.676	66803.209	67990.583	69153.836	70292.998	71408.091	72499.127
92	64593.028	65826.325	67034.619	68218.754	69378.768	70514.690	71626.543	72714.340
93	64833.872	66063.094	67268.112	68448.972	69605.710	70738.357	71846.935	72931.456
94	65076.059	66301.969	67503.675	68681.223	69834.649	70963.985	72069.251	73150.460
95	65320.374	66542.935	67741.294	68915.494	70065.572	71191.559	72293.477	73371.338
96	65566.802	66785.980	67980.954	69151.769	70298.463	71421.065	72519.598	73594.075
97	65815.331	67031.088	68222.642	69390.036	70533.308	71652.489	72747.601	73818.657
98	66065.945	67278.245	68466.341	69630.278	70770.093	71885.816	72977.470	74045.068
99	66318.630	67527.436	68712.039	69872.481	71008.802	72121.031	73209.191	74273.294
100	66573.370	67778.646	68959.719	70116.631	71249.421	72358.119	73442.748	74503.320
101	-66830.151	-68031.861	-69209.366	-70362.711	-71491.934	-72597.065	-73678.126	-74735.130
102	-67088.958	-68287.065	-69460.967	-70610.708	-71736.327	-72837.853	-73915.310	-74968.709
103	-67349.775	-68544.242	-69714.504	-70860.605	-71982.583	-73080.468	-74154.284	-75204.042
104	-67612.588	-68803.378	-69969.963	-71112.387	-72230.687	-73324.4895	-74395.032	-75441.112
105	-67877.380	-69064.457	-70227.329	-71366.038	-72480.624	-73571.117	-74637.539	-75679.904
106	-68144.136	-69327.463	-70486.584	-71621.543	-72732.378	-73819.119	-74881.789	-75920.401
107	-68412.840	-69592.380	-70747.714	-71878.885	-72985.932	-74068.884	-75127.765	-76162.588
108	-68683.476	-69859.193	-71010.702	-72138.048	-73241.270	-74320.397	-75375.452	-76406.448
109	-68956.028	-70127.884	-71275.532	-72399.017	-73498.376	-74573.640	-75624.832	-76651.965
110	-69230.479	-70398.438	-71542.188	-72661.774	-73757.233	-74828.598	-75875.889	-76899.121
111	-69506.814	-70670.838	-71810.653	-72926.303	-74017.826	-75085.253	-76128.607	-77147.901
112	-69785.016	-70945.068	-72080.910	-73192.587	-74280.136	-75343.589	-76382.968	-77398.286
113	-70065.067	-71221.111	-72352.943	-73460.609	-74544.148	-75603.589	-76638.955	-77650.261
114	-70346.952	-71498.949	-72626.734	-73730.353	-74809.843	-75865.235	-76896.552	-77903.807
115	-70630.652	-71778.566	-72902.267	-74001.801	-75077.205	-76128.511	-77155.740	-78158.908
116	-70916.151	-72059.945	-73179.524	-74274.936	-75346.217	-76393.398	-77416.503	-78415.545
117	-71203.432	-72343.068	-73458.488	-74549.739	-75616.860	-76659.880	-77678.822	-78673.701
118	-71492.477	-72627.917	-73739.141	-74826.195	-75889.117	-76927.937	-77942.680	-78933.357
119	-71783.269	-72914.475	-74021.466	-75104.284	-76162.970	-77197.554	-78208.058	-79194.497
120	-72075.789	-73202.725	-74305.443	-75383.989	-76438.401	-77468.710	-78474.939	-79457.102
121	-72370.020	-73492.648	-74591.057	-75665.292	-76715.393	-77741.389	-78743.304	-79721.152
122	-72665.944	-73784.226	-74878.288	-75948.175	-76993.926	-78015.572	-79013.135	-79986.631
123	-72963.543	-74077.440	-75167.117	-76232.618	-77273.982	-78291.239	-79284.413	-80253.518
124	-73262.797	-74372.274	-75457.527	-76518.604	-77555.542	-78568.373	-79557.120	-80521.796
125	-73563.690	-74668.706	-75749.499	-76806.114	-77838.589	-78846.955	-79831.236	-80791.445
126	-73866.201	-74966.721	-76043.015	-77095.129	-78123.102	-79126.965	-80106.742	-81062.446
127	-74170.313	-75266.297	-76338.054	-77385.630	-78409.063	-79408.385	-80383.619	-81334.779
128	-74476.006	-75567.416	-76634.598	-77677.597	-78696.453	-79691.195	-80661.848	-81608.426
129	-74783.262	-75870.060	-76932.628	-77971.013	-78985.251	-79975.376	-80941.410	-81883.367
130	-75092.061	-76174.209	-77232.125	-78265.856	-79275.440	-80260.908	-81222.283	-82159.581
131	-75402.383	-76479.842	-77533.069	-78562.108	-79566.998	-80547.771	-81504.450	-82437.049

Table 2. Bands observed by Simmons, Bass, and Tilford (1969). The columns list the observed and calculated wavenumbers and their difference. Blends are indicated by a prefixed minus sign.

X 0 - A 0

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	64747.90	64747.94	-.04
1	0.00	0.00	0.00	-64744.24	64744.14	.10	-64750.33	64750.52	-.19
2	64736.39	64736.41	-.02	64742.79	64742.79	.00	-64752.47	64752.36	.11
3	-64731.10	64731.30	-.20	64740.81	64740.84	-.03	-64753.57	64753.55	.02
4	-64725.51	64725.44	.07	64738.16	64738.18	-.02	64754.05	64754.00	.05
5	-64718.80	64718.95	-.15	64734.88	64734.89	-.01	64753.83	64753.83	.00
6	64711.66	64711.71	-.05	-64731.10	64731.00	.10	-64752.47	64752.62	-.15
7	-64703.76	64703.86	-.10	64726.16	64726.21	-.05	-64750.33	64750.28	.05
8	64694.90	64694.97	-.07	64720.78	64720.78	.00	64745.82	64745.84	-.02
9	64684.99	64684.94	.05	64714.53	64714.57	-.04	64752.10	64752.08	.02
10	64672.78	64672.83	-.05	64707.33	64707.36	-.03	64747.27	64747.26	.01
11	64671.35	64671.39	-.04	64698.80	64698.83	-.03	64742.62	64742.61	.01
12	64658.85	64658.89	-.04	64688.15	64688.20	-.05	-64737.53	64737.56	-.03
13	-64646.51	64646.58	-.07	64693.65	64693.66	-.01	-64731.75	64731.85	-.10
14	-64633.85	64633.87	-.02	64682.61	64682.68	-.07	64725.02	64725.02	.00
15	-64620.42	64620.50	-.08	64671.92	64671.94	-.02	64716.21	64716.30	-.09
16	64605.94	64606.00	-.06	64661.03	64661.06	-.03	64717.60	64717.65	-.05
17	64589.58	64589.63	-.05	64649.75	64649.80	-.05	64708.22	64708.28	-.06
18	64583.31	64583.34	-.03	64637.94	64637.97	-.03	64699.00	64699.14	-.14
19	64566.29	64566.32	-.03	64625.59	64625.59	-.00	64689.69	64689.71	-.02
20	64549.55	64549.55	.00	64612.62	64612.56	.06	64679.80	64679.83	-.03
21	64532.50	64532.49	.01	64599.02	64599.02	.00	64669.36	64669.35	.01
22	64515.01	64514.98	.03	64584.79	64584.84	-.05	-64658.07	64658.24	-.17
23	64496.87	64496.88	-.01	64569.93	64569.98	-.05	-64646.51	64646.43	.08
24	64478.15	64478.15	-.00	64554.40	64554.46	-.06	-64633.85	64633.94	-.09
25	64458.74	64458.74	-.00	64538.17	64538.20	-.03	-64620.42	64620.63	-.21
26	64438.66	64438.66	-.00	64521.10	64521.10	.00	64605.45	64605.45	.00
27	64417.75	64417.75	-.00	64501.04	64501.04	-.00	0.00	64593.25	0.00
28	0.00	64394.99	0.00	64486.13	64486.13	.00	-0.00	64577.45	0.00
29	0.00	64375.22	0.00	64466.54	64466.54	.00	-0.00	0.00	0.00

X 1 - A 0

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	62604.70	62604.67	.03
1	0.00	0.00	0.00	62600.91	62600.91	.00	62607.29	62607.29	.00
2	62593.26	62593.24	.02	-62599.66	62599.62	.04	62609.18	62609.19	-.01
3	-62588.37	62588.24	.13	62597.82	62597.78	.04	-62610.44	62610.49	-.05
4	62582.52	62582.52	-.00	62595.28	62595.26	.02	-62611.03	62611.08	-.05
5	62576.20	62576.20	-.00	62592.16	62592.14	.02	-62611.03	62611.08	-.05
6	62569.18	62569.18	-.00	-62588.37	62588.47	-.10	62610.12	62610.09	.03
7	-62561.51	62561.57	-.06	62583.96	62583.92	.04	62608.03	62607.99	.04
8	62552.98	62552.96	.02	-62578.80	62578.77	.03	62603.88	62603.83	.05
9	62543.16	62543.25	-.09	62572.92	62572.88	.04	-62610.44	62610.39	.05
10	62531.50	62531.48	.02	62566.04	62566.01	.03	62605.95	62605.91	.04
11	62530.44	62530.43	.01	62557.91	62557.87	.04	62601.67	62601.65	.02
12	-62518.40	62518.35	.05	62547.72	62547.66	.06	62597.04	62597.02	.02
13	62506.48	62506.50	-.02	62553.60	62553.58	.02	62591.74	62591.77	-.03
14	62494.26	62494.27	-.01	62543.16	62543.08	.08	62585.44	62585.42	.02
15	62481.46	62481.42	.04	62532.88	62532.86	.02	62577.29	62577.22	.07
16	62467.56	62467.49	.07	62522.57	62522.55	.02	-62579.15	62579.14	.01
17	62451.81	62451.71	.10	62511.93	62511.88	.05	62570.39	62570.36	.03
18	62446.13	62446.06	.07	62500.72	62500.69	.03	-62561.85	62561.86	-.01
19	62429.77	62429.70	.07	62488.98	62488.97	.01	0.00	62553.09	0.00
20	62413.76	62413.63	.13	62476.58	62476.64	-.06	-0.00	62543.91	0.00
21	0.00	62397.30	0.00	-62464.05	62463.83	.22	-0.00	62534.16	0.00
22	0.00	62380.56	0.00	62450.48	62450.42	.06	-0.00	62523.82	0.00
23	0.00	62363.27	0.00	62436.41	62436.37	.04	-0.00	62512.82	0.00
24	0.00	62345.38	0.00	62421.75	62421.69	.06	-0.00	62501.17	0.00
25	0.00	62326.85	0.00	62406.34	62406.31	.03	-0.00	62468.74	0.00

Table 2. (Cont.)

## X O - A 1

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	66236.16	66236.14	.02
1	0.00	0.00	0.00	66232.28	66232.29	-.01	66238.46	66238.47	-.01
2	66224.59	66224.61	-.02	66230.89	66230.79	.10	-66240.11	66239.86	.25
3	66219.17	66219.25	-.08	66228.37	66228.32	.05	-66240.66	66240.61	.05
4	66212.89	66212.94	-.05	66225.32	66225.23	.09	-66240.60	66240.76	-.16
5	66205.92	66206.01	-.09	66221.54	66221.54	.00	-66240.11	66240.16	-.05
6	66198.47	66198.47	-.00	66217.14	66217.09	.05	66238.83	66239.00	-.17
7	66190.15	66190.19	-.04	66212.27	66212.10	.17	66236.93	66236.93	.00
8	-66181.26	66181.35	-.09	66206.13	66206.18	-.05	66234.37	66234.41	-.04
9	66171.64	66171.59	.05	66199.85	66199.82	.03	66231.10	66231.10	.00
10	66161.40	66161.40	.00	66192.61	66192.68	-.07	66227.26	66227.28	-.02
11	66150.49	66150.41	.08	66185.06	66185.01	.05	66222.69	66222.69	.00
12	66138.89	66138.91	-.02	66176.60	66176.59	.01	66217.40	66217.46	-.06
13	66126.65	66126.66	-.01	66167.55	66167.53	.02	66211.65	66211.63	.02
14	66113.82	66113.77	.05	66157.86	66157.87	-.01	66205.07	66205.09	-.02
15	66100.28	66100.28	.00	66147.55	66147.50	.05	66197.81	66197.84	-.03
16	66086.04	66086.07	-.03	66136.44	66136.41	.03	66189.92	66189.95	-.03
17	-66071.15	66071.17	-.02	66124.75	66124.71	.04	-66181.26	66181.41	-.15
18	-66055.75	66055.64	.11	66112.34	66112.34	-.00	66172.10	66172.14	-.04
19	-66039.59	66039.45	.14	66099.27	66099.25	.02	66162.18	66162.21	-.03
20	66022.58	66022.55	.03	66085.55	66085.51	.04	66151.54	66151.56	-.02
21	66004.98	66004.99	-.01	-66071.15	66071.15	.00	66140.34	66140.29	.05
22	65986.72	65986.71	.01	-66055.75	66055.75	.00	66128.15	66128.17	-.02
23	65987.77	65987.82	-.05	-66039.59	66039.59	.00	66115.31	66115.34	-.03
24	65948.10	65948.08	.02	66023.89	66023.89	-.00	66101.58	66101.57	.01
25	65927.68	65927.65	.03	66006.26	66006.26	-.00	66085.55	66085.63	-.08
26	65906.29	65906.29	.00	65989.12	65989.12	.00	-0.00	66073.54	0.00
27	65882.84	65882.75	.09	65970.20	65970.20	-.00	-0.00	66057.89	0.00
28	0.00	65863.08	0.00	65950.77	65950.77	.00	-0.00	66044.38	0.00
29	0.00	65839.86	0.00	65933.47	65933.47	.00	-0.00	66025.08	0.00
30	0.00	65818.78	0.00	65910.39	65910.39	.00	-0.00	0.00	0.00

## X O - A 2

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	67678.75	67678.77	-.02
1	0.00	0.00	0.00	67674.98	67674.92	.06	67681.16	67681.19	-.03
2	67667.19	67667.24	-.05	67673.57	67673.51	.06	67682.86	67682.83	.03
3	67661.93	67661.97	-.04	67671.26	67671.29	-.03	-67683.85	67683.93	-.08
4	67655.90	67655.91	-.01	67668.36	67668.55	-.19	-67683.85	67683.93	-.08
5	67649.52	67649.33	.19	-67664.73	67664.71	.02	67683.59	67683.44	.15
6	67641.64	67641.64	-.00	67660.27	67660.37	-.10	67682.18	67682.05	.13
7	67633.41	67633.47	-.06	67654.95	67655.15	-.20	67680.14	67680.10	.04
8	67624.46	67624.40	.06	67649.29	67649.35	-.06	67677.37	67677.41	-.04
9	67614.78	67614.76	.02	67662.86	67662.82	.04	67673.84	67673.93	-.09
10	67604.39	67604.40	-.01	67635.57	67635.51	.06	67669.74	67669.74	.00
11	67593.26	67593.24	.02	-67627.46	67627.47	-.01	-67664.73	67664.86	-.13
12	-67581.37	67581.37	-.00	67618.77	67618.76	.01	67659.17	67659.15	.02
13	67568.82	67568.83	-.01	-67609.43	67609.22	.21	67652.75	67652.75	-.00
14	67555.45	67555.46	-.01	-67598.96	67598.99	-.03	67645.58	67645.59	-.01
15	-67541.35	67541.40	-.05	-67588.19	67588.00	.19	67637.74	67637.76	-.02
16	67526.58	67526.57	.01	67576.37	67576.33	.04	67629.09	67629.12	-.03
17	67511.07	67511.09	-.02	67563.92	67563.88	.04	67619.75	67619.78	-.03
18	67494.80	67494.81	-.01	67550.73	67550.71	.02	-67603.43	67609.68	-.25
19	-67477.78	67477.82	-.04	67536.81	67536.79	.02	-67598.96	67598.84	.12
20	67460.06	67460.09	-.03	67522.17	67522.14	.03	-67587.20	67587.20	.00
21	67441.58	67441.62	-.04	67506.76	67506.78	.00	67574.78	67574.80	-.02
22	67422.35	67422.35	.00	67490.61	67490.61	.00	67561.57	67561.59	-.02
23	67402.34	67402.33	.01	-67473.67	67473.67	.00	67547.29	67547.31	-.02
24	67381.52	67381.50	.02	67456.04	67456.04	-.00	67530.45	67530.42	.03
25	67359.63	67359.62	.01	67437.53	67437.53	-.00	67520.16	67520.15	.01
26	67335.11	67335.14	-.03	67418.17	67418.17	.00	67503.31	67503.29	.02
27	67317.27	67317.27	-.00	67397.64	67397.64	-.00	67486.19	67486.17	.02
28	67292.80	67292.83	-.03	67374.50	67374.50	.00	67468.49	67468.52	-.03
29	67268.12	67268.14	-.02	67361.16	67361.16	.00	67449.85	67449.85	.00
30	67242.95	67242.92	.03	67337.33	67337.33	.00	-0.00	67432.33	0.00
31	0.00	67216.69	0.00	67313.86	67313.86	.00	-0.00	67412.38	0.00
32	0.00	67191.62	0.00	67290.14	67290.14	.00	-0.00	0.00	0.00

Table 2. (Cont.)

## X O - A 3

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-69091.34	69091.56	-.22
1	0.00	0.00	0.00	69087.79	69087.71	.08	-69093.73	69093.76	-.03
2	69079.96	69080.03	-.07	69086.12	69086.08	.04	-69095.23	69095.36	-.13
3	69074.50	69074.54	-.04	69083.89	69083.82	.07	-69095.97	69096.00	-.08
4	69068.38	69068.44	-.06	69080.62	69080.62	-.00	-69095.92	69095.99	-.07
5	69061.41	69061.40	.01	69076.77	69076.77	.00	-69095.23	69095.21	.02
6	-69053.55	69053.70	-.15	69072.09	69072.14	-.05	-69093.52	69093.59	-.07
7	69045.29	69045.24	.05	69066.69	69066.69	.00	-69091.22	69091.23	-.01
8	69035.94	69035.94	.00	-69060.56	69060.48	.08	69087.99	69088.05	-.06
9	69025.89	69025.89	-.00	-69053.55	69053.46	.09	69084.08	69084.02	.06
10	69015.09	69015.04	.05	69045.53	69045.60	-.07	69079.47	69079.46	.01
11	-69003.39	69003.33	.06	69037.18	69037.19	-.01	69073.99	69073.98	.01
12	68991.09	68991.09	-.00	69027.88	69027.88	-.00	69067.71	69067.70	.01
13	-68977.91	68977.95	-.04	69017.75	69017.77	-.02	-69060.56	69060.61	-.05
14	68964.02	68964.01	.01	69006.84	69006.85	-.01	69052.86	69052.84	.02
15	68949.27	68949.26	.01	-68995.14	68995.25	-.11	69044.21	69044.19	.02
16	68933.80	68933.82	-.02	-68982.75	68982.76	-.01	69034.82	69034.80	.02
17	68917.49	68917.52	-.03	-68969.91	68969.56	.35	69024.69	69024.68	.01
18	68900.48	68900.49	-.01	68955.59	68955.61	-.02	69013.64	69013.66	-.02
19	68882.72	68882.72	-.00	68940.79	68940.77	.02	69001.96	69001.93	.03
20	68864.08	68864.07	.01	-68925.33	68925.23	.10	68989.46	68989.39	.07
21	68844.68	68844.71	-.03	68908.85	68908.87	-.02	68976.11	68976.08	.03
22	68824.48	68824.54	-.06	68891.71	68891.75	-.04	68962.00	68961.95	.05
23	68803.60	68803.61	-.01	68873.78	68873.81	-.03	68947.07	68947.03	-.01
24	68781.83	68781.86	-.03	68855.06	68855.08	-.02	68931.31	68931.31	-.00
25	68759.37	68759.34	.03	68835.56	68835.57	-.01	68914.96	68914.90	.06
26	68736.05	68736.03	.02	68815.34	68815.36	-.02	-68897.64	68897.44	.20
27	68711.99	68712.02	-.03	68794.03	68794.10	-.07	68879.29	68879.41	-.12
28	68687.06	68686.98	.08	68770.80	68770.80	.00	68860.45	68860.35	.10
29	68661.50	68661.38	.12	68750.21	68750.21	.00	0.00	68841.24	0.00
30	68634.64	68634.75	-.11	68726.55	68726.55	.00	0.00	0.00	0.00

## X O - A 4

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	70469.97	70469.89	.08
1	0.00	0.00	0.00	70465.97	70466.04	-.07	-70472.11	70471.94	.17
2	-70458.39	70458.36	.03	-70464.07	70464.26	-.19	-70473.39	70473.29	.10
3	70452.72	70452.72	-.00	70461.79	70461.75	.04	70473.70	70473.74	-.04
4	70446.33	70446.37	-.04	-70458.39	70458.36	.03	-70473.39	70473.38	.01
5	70439.18	70439.14	.04	-70454.19	70454.16	.03	-70472.11	70472.24	-.13
6	70431.09	70431.09	-.00	70449.23	70449.17	.06	70470.29	70470.31	-.02
7	70422.21	70422.27	-.06	70443.58	70443.41	.17	70467.42	70467.46	-.04
8	70412.52	70412.66	-.14	70436.75	70436.71	.04	-70464.07	70463.95	.12
9	-70402.06	70402.12	-.06	70429.31	70429.36	-.05	70459.38	70459.42	-.04
10	70390.99	70390.94	.05	70421.00	70421.00	.00	-70454.19	70454.17	.02
11	70378.76	70378.73	.03	70411.93	70411.90	.03	70448.29	70448.29	-.00
12	70365.78	70365.80	-.02	-70402.06	70402.19	-.13	70441.13	70441.16	-.03
13	-70352.02	70352.26	-.24	70391.29	70391.23	.06	70433.61	70433.53	.08
14	70337.46	70337.47	-.01	70379.69	70379.77	-.08	70424.86	70424.86	0.00
15	-70322.12	70322.18	-.06	70367.30	70367.27	.03	70415.52	70415.53	-.01
16	70305.80	70305.84	-.04	-70354.21	70354.10	.11	70405.38	70405.32	.06
17	70288.86	70288.86	.00	70340.01	70340.08	-.07	70394.31	70394.31	0.00
18	70271.03	70271.01	.02	-70325.17	70325.24	-.07	70382.41	70382.45	-.04
19	70252.35	70252.35	-.00	70309.59	70309.56	.03	70369.75	70369.73	.02
20	70232.88	70232.86	.02	70292.99	70293.03	-.04	-70356.20	70356.27	-.07
21	70212.54	70212.51	.03	70275.81	70275.75	.06	-70341.66	70341.88	-.22
22	70191.36	70191.42	-.06	-70257.53	70257.55	-.02	70326.76	70326.47	.29
23	70169.41	70169.41	.00	70237.86	70238.33	-.47	70310.62	70310.65	-.03
24	70146.57	70146.38	.19	70218.76	70218.70	.06	70293.74	70293.79	-.05
25	70122.92	70122.96	-.04	70198.09	70198.05	.04	70276.03	70276.08	-.05
26	70098.51	70098.51	.00	70176.59	70176.54	.05	-70257.53	70257.53	.00
27	70073.20	70073.20	-.00	70154.21	70154.19	.02	0.00	70238.23	0.00
28	70047.05	70047.07	-.02	70131.11	70131.11	.00	0.00	70217.95	0.00
29	0.00	70020.20	0.00	70107.04	70107.04	.00	0.00	70196.86	0.00
30	0.00	69992.35	0.00	70082.17	70082.17	.00	0.00	0.00	0.00

Table 2. (Cont.)

## X O - A 5

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-71811.81	71811.99	-.18
1	0.00	0.00	0.00	-71808.36	71808.14	.22	-71814.15	71814.16	-.01
2	-71800.41	71800.46	-.05	71806.47	71806.48	-.01	-71815.50	71815.43	.07
3	71794.94	71794.94	-.00	71803.90	71803.89	.01	-71815.50	71815.75	-.25
4	71788.51	71788.51	-.00	-71800.41	71800.37	.04	-71815.50	71815.24	.26
5	71781.15	71781.15	.00	71796.04	71796.02	.02	-71814.15	71813.87	.28
6	71772.93	71772.95	-.02	71790.82	71790.80	.02	-71811.81	71811.64	.17
7	71763.89	71763.90	-.01	71784.74	71784.74	.00	-71808.36	71808.53	-.17
8	71753.98	71753.99	-.01	71777.76	71777.78	-.02	71804.45	71804.49	-.04
9	71743.22	71743.19	.03	71769.93	71769.90	.03	71799.66	71799.65	.01
10	71731.50	71731.48	.02	71761.22	71761.23	-.01	71793.88	71793.88	.00
11	71718.96	71718.96	-.00	-71751.66	71751.61	.25	71787.30	71787.26	.04
12	71705.52	71705.51	.01	-71741.17	71741.16	.01	71779.83	71779.79	.04
13	71691.20	71691.23	-.03	71729.83	71729.86	-.03	71771.45	71771.43	.02
14	-71676.01	71676.10	-.09	71717.65	71717.67	-.02	71762.25	71762.23	.02
15	-71660.12	71660.08	.04	71704.62	71704.64	-.02	-71751.86	71752.10	-.24
16	-71643.42	71643.21	.21	71690.69	71690.67	.02	-71741.17	71741.11	.06
17	71625.42	71625.43	-.01	-71676.01	71675.87	.14	71729.22	71729.22	.00
18	71606.80	71606.80	-.00	-71660.12	71660.15	-.03	71716.41	71716.43	-.02
19	71587.26	71587.26	-.00	-71643.42	71643.54	-.12	71702.77	71702.78	-.01
20	71566.85	71566.84	.01	71626.06	71626.08	-.02	71688.32	71688.31	.01
21	71545.60	71545.56	.04	71607.82	71607.79	.03	-71672.81	71672.91	-.10
22	71523.40	71523.46	-.06	71588.58	71588.58	.00	-71656.56	71656.65	-.09
23	71500.43	71500.44	-.01	71568.49	71568.51	-.02	71639.42	71639.45	-.03
24	71476.59	71476.56	.03	71547.51	71547.50	.01	71621.38	71621.41	-.03
25	71451.78	71451.76	.02	71525.68	71525.67	.01	71602.39	71602.45	-.06
26	71426.16	71426.13	.03	71502.94	71502.91	.03	-0.00	71582.62	0.00
27	71399.60	71399.57	.03	71479.28	71479.28	-.00	-0.00	71561.70	0.00
28	0.00	71372.16	0.00	71454.58	71454.58	.00	-0.00	71540.33	0.00
29	0.00	71343.67	0.00	71429.42	71429.42	.00	-0.00	71517.27	0.00
30	0.00	71314.73	0.00	71402.58	71402.58	.00	-0.00	0.00	0.00

## X O - A 6

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-73119.90	73119.61	.29
1	0.00	0.00	0.00	73115.76	73115.76	-.00	-73121.75	73121.57	.18
2	0.00	73108.08	0.00	73113.89	73113.89	.00	-73122.76	73122.68	.08
3	-73102.69	73102.35	.34	73111.15	73111.14	.01	-73122.76	73122.81	-.05
4	73095.75	73095.76	-.01	73107.44	73107.43	.01	-73121.75	73121.71	.04
5	73088.21	73088.21	.00	-73102.69	73102.49	.20	-73119.90	73120.05	-.15
6	73079.42	73079.42	-.00	-73097.10	73096.98	.12	73120.86	73120.84	.02
7	73070.08	73070.08	.00	-73094.02	73093.94	.08	73114.67	73114.77	-.10
8	73063.18	73063.19	-.01	73084.05	73084.02	.03	73109.89	73109.86	.03
9	73049.50	73049.43	.07	73075.12	73075.12	-.00	73103.99	73104.06	-.07
10	73036.81	73036.85	-.04	73065.22	73065.22	.00	-73097.10	73097.25	-.15
11	73023.44	73023.37	.07	73058.51	73058.51	-.00	73089.13	73089.13	-.00
12	-73009.03	73008.88	.15	73044.55	73044.55	-.00	-73094.02	73094.07	-.05
13	72993.11	72993.10	.01	-73030.72	73030.72	-.00	73080.05	73080.14	-.09
14	72990.38	72990.38	.00	73025.60	73025.60	.00	73067.63	73067.61	.02
15	72968.88	72968.79	.09	-73009.03	73009.03	.00	73055.90	73055.87	.03
16	72948.58	72948.59	-.01	72996.39	72996.39	-.00	73043.54	73043.56	-.02
17	72929.16	72929.20	-.04	72978.66	72978.66	.00	-73030.72	73030.57	.15
18	72909.28	72909.25	.03	72961.57	72961.50	.07	73016.69	73016.71	-.02
19	72888.55	72888.61	-.06	72943.87	72943.82	.05	73001.96	73001.96	-.00
20	72867.08	72867.12	-.04	72925.28	72925.26	.02	72986.30	72986.34	-.04
21	72844.73	72844.74	-.01	72905.84	72905.82	.02	72969.83	72969.86	-.03
22	72821.51	72821.49	.02	72885.54	72885.53	.01	72952.37	72952.36	.01
23	72797.39	72797.39	.00	72864.24	72864.22	.02	72934.01	72934.03	-.02
24	72772.24	72772.27	-.03	0.00	72842.08	0.00	0.00	0.00	0.00
25	72746.36	72746.34	.02	0.00	0.00	0.00	0.00	0.00	0.00

Table 2. (Cont.)

## X O - A 7

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-74394.55	74394.65	-.10
1	0.00	0.00	0.00	74390.80	74390.80	-.00	-74396.51	74396.50	.01
2	-74382.90	74383.12	-.22	74388.82	74388.82	.00	-74397.37	74397.48	-.11
3	-74377.16	74377.28	-.12	74385.95	74385.94	.01	-74397.37	74397.44	-.07
4	74370.56	74370.56	-.00	74382.11	74382.06	.05	-74396.51	74396.38	.13
5	74362.80	74362.84	-.04	-74377.16	74377.16	.00	-74394.55	74394.46	.09
6	-74353.96	74354.09	.13	74371.44	74371.39	.05	74391.53	74391.55	-.02
7	74344.44	74344.49	-.05	74364.70	74364.65	.05	74387.71	74387.67	.04
8	74333.87	74333.90	-.03	74356.91	74356.92	-.01	-74382.90	74382.87	.03
9	74322.30	74322.33	-.03	74348.29	74348.28	.01	-74377.16	74377.00	.16
10	74309.84	74309.86	-.02	74338.57	74338.58	-.01	74370.24	74370.23	.01
11	74296.31	74296.31	-.00	74327.94	74327.96	-.02	74362.49	74362.48	.01
12	74281.87	74281.86	.01	74316.39	74316.38	.01	-74353.96	74353.71	.25
13	74266.43	74266.45	-.02	74303.81	74303.78	.03	74344.17	74344.06	.11
14	74250.00	74250.02	-.02	74290.26	74290.30	-.04	74333.34	74333.35	-.01
15	74232.63	74232.71	-.08	74275.76	74275.76	.00	74321.66	74321.68	-.02
16	74214.33	74214.33	-.00	74260.26	74260.25	.01	74309.04	74309.06	-.02
17	74195.01	74195.01	.00	74243.84	74243.82	.02	74295.46	74295.49	-.03
18	74174.75	74174.75	-.00	74226.35	74226.42	-.07	74280.88	74280.87	.01
19	74153.64	74153.53	.11	-74207.88	74207.98	-.10	74265.28	74265.29	-.01
20	74131.26	74131.28	-.02	74188.62	74188.59	.03	74248.77	74248.77	.00
21	74108.04	74108.07	-.03	74168.25	74168.25	.00	74231.21	74231.22	-.01
22	74083.92	74083.92	.00	74146.90	74146.89	.01	74212.67	74212.69	-.02
23	74058.73	74058.75	-.02	74124.56	74124.55	.01	74193.22	74193.23	-.01
24	74032.60	74032.60	-.00	74101.29	74101.28	.01	74172.62	74172.68	-.06
25	74005.54	74005.54	-.00	74077.03	74076.94	.09	-74150.06	74150.14	-.08
26	73977.38	73977.40	-.02	74051.76	74051.76	.00	0.00	74128.91	0.00
27	73947.26	73947.26	-.00	74025.48	74025.57	-.09	0.00	74105.11	0.00
28	73918.55	73918.45	.10	-73997.99	73997.99	.00	0.00	0.00	0.00

## X O - A 8

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	75634.56	75634.55	.01
1	0.00	0.00	0.00	75630.66	75630.70	-.04	75636.46	75636.39	.07
2	75623.05	75623.02	.03	75628.69	75628.71	-.02	-75637.12	75637.21	-.09
3	75617.12	75617.17	-.05	-75625.74	75625.67	.07	-75637.12	75636.94	.18
4	-75610.32	75610.29	.03	75621.54	75621.56	-.02	75635.76	75635.72	.04
5	75602.36	75602.34	.02	75616.51	75616.50	.01	75633.47	75633.45	.02
6	75593.38	75593.43	-.05	-75610.32	75610.38	-.06	75630.17	75630.14	.03
7	75583.45	75583.48	-.03	75603.22	75603.24	-.02	-75625.74	75625.87	-.13
8	-75573.03	75572.49	.54	75595.12	75595.12	.00	75620.51	75620.51	.00
9	75560.54	75560.53	.01	75585.97	75585.92	.05	75614.18	75614.19	-.01
10	75547.46	75547.50	-.04	-75575.72	75575.77	-.05	75606.84	75606.84	.00
11	75533.52	75533.50	.02	75564.55	75564.57	-.02	75598.42	75598.45	-.03
12	75518.49	75518.47	.02	75552.36	75552.35	.01	75589.08	75589.03	.05
13	75502.44	75502.42	.02	75539.05	75539.10	-.05	-75578.58	75578.61	-.03
14	75485.34	75485.34	.00	75524.83	75524.85	-.02	75567.11	75567.13	-.02
15	75467.27	75467.26	.01	75509.37	75509.37	.00	75554.53	75554.55	-.02
16	75448.13	75448.11	.02	75495.60	75495.60	-.00	75540.84	75540.82	.02
17	75427.89	75427.88	.01	75478.69	75478.69	.00	75524.83	75524.81	.02
18	75406.50	75406.51	-.01	75457.87	75457.87	-.00	75512.00	75512.05	-.05
19	75382.84	75382.85	-.01	-75438.44	75438.44	-.00	75494.92	75494.97	-.05
20	75362.51	75362.46	.05	75418.34	75418.27	.07	75477.32	75477.26	.06
21	75337.73	75337.75	-.02	75396.68	75396.74	-.06	75458.58	75458.53	.05
22	75312.41	75312.41	.00	75374.13	75374.20	-.07	-75438.44	75438.56	-.12
23	75286.06	75286.06	.00	75350.46	75350.42	.04	75421.09	75421.11	-.02
24	75258.43	75258.47	-.04	75329.16	75329.16	-.00	75397.18	75397.17	.01
25	75233.43	75233.42	.01	75301.41	75301.43	-.02	0.00	0.00	0.00
26	75201.91	75201.89	.02	0.00	0.00	0.00	-0.00	0.00	0.00

Table 2. (Cont.)

## X O - A 9

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	76840.25	76840.16	.09
1	0.00	0.00	0.00	76836.27	76836.31	-.04	76842.15	76841.83	.32
2	76828.59	76828.63	-.04	76834.27	76834.15	.12	76842.15	76842.45	-.30
3	76822.61	76822.61	-.00	76830.93	76830.91	.02	76842.15	76842.08	.07
4	76815.52	76815.53	-.01	76826.68	76826.70	-.02	76840.46	76840.56	-.10
5	76807.51	76807.48	.03	76821.35	76821.34	.01	76838.04	76838.06	-.02
6	76798.37	76798.27	.10	76815.04	76814.99	.05	76834.27	76834.41	-.14
7	76788.07	76788.09	-.02	76807.51	76807.51	.00	76829.75	76829.73	.02
8	76776.75	76776.76	-.01	76798.96	76798.98	-.02	76823.98	76823.98	.00
9	76764.40	76764.39	.01	76789.41	76789.39	.02	76817.18	76817.22	-.04
10	76750.95	76750.97	-.02	76778.89	76778.80	.09	76809.31	76809.30	.01
11	76736.49	76736.53	-.04	76767.02	76767.03	-.01	76800.35	76800.35	-.00
12	76720.93	76720.93	-.00	76754.20	76754.25	-.05	76790.32	76790.34	-.02
13	76704.32	76704.32	-.00	76740.44	76740.41	.03	76779.13	76779.23	-.10
14	76686.65	76686.65	.00	76725.52	76725.47	.05	76767.02	76767.08	-.06
15	76667.92	76667.88	.04	76709.50	76709.49	.01	76753.98	76753.88	.10
16	76648.06	76648.06	-.00	76692.47	76692.45	.02	76739.58	76739.59	-.01
17	76627.19	76627.21	-.02	76674.36	76674.35	.01	76724.19	76724.20	-.01
18	-76605.30	76605.28	.02	76655.13	76655.13	-.00	76707.77	76707.78	-.01
19	-76582.26	76582.24	.02	76634.93	76634.89	.04	76690.25	76690.25	-.00
20	76558.15	76558.19	-.04	-76613.50	76613.55	-.05	76671.63	76671.65	-.02
21	76533.02	76533.03	-.01	76591.12	76591.13	-.01	76651.93	76651.96	-.03
22	76506.81	76506.80	.01	76567.71	76567.63	.08	76631.21	76631.19	.02
23	76479.44	76479.49	-.05	76543.08	76543.05	.03	-76609.36	76609.37	-.01
24	76451.04	76451.10	-.06	76517.44	76517.42	.02	76586.42	76586.44	-.02
25	76421.66	76421.68	-.02	76490.70	76490.70	-.00	76562.49	76562.48	.01
26	76391.19	76391.16	.03	76462.93	76462.94	-.01	76537.32	76537.36	-.04
27	0.00	76359.60	0.00	76434.06	76434.02	.04	76511.06	76511.10	-.04
28	0.00	76326.90	0.00	76404.03	76403.98	.05	76484.20	76484.20	.00

## X O - A 10

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-78011.25	78011.30	-.05
1	0.00	0.00	0.00	78007.53	78007.45	.08	-78012.97	78012.97	-.00
2	77999.70	77999.77	-.07	78005.29	78005.29	.00	78013.32	78013.42	-.10
3	77993.75	77993.75	-.00	78001.95	78001.88	.07	-78012.97	78012.86	.11
4	77986.52	77986.50	.02	77997.50	77997.48	.02	-78011.25	78011.15	.10
5	77978.24	77978.26	-.02	77991.93	77991.93	.00	78008.31	78008.33	-.02
6	-77968.65	77968.86	-.21	77985.29	77985.26	.03	78004.38	78004.40	-.02
7	-77958.44	77958.36	.08	-77977.42	77977.50	-.08	77999.31	77999.31	.00
8	77946.77	77946.75	.02	-77968.65	77968.56	.09	77993.12	77993.12	.00
9	77933.96	77933.97	-.01	-77958.44	77958.53	-.09	77985.71	77985.76	-.05
10	-77919.98	77920.11	-.13	77947.34	77947.34	.00	-77977.42	77977.34	.08
11	77905.11	77905.07	.04	77935.10	77935.07	.03	77967.75	77967.76	-.01
12	77888.95	77888.97	-.02	77921.67	77921.66	.01	77957.02	77957.01	.01
13	77871.73	77871.73	-.00	77907.17	77907.17	-.00	77945.07	77945.07	-.00
14	77853.31	77853.32	-.01	77891.48	77891.48	.00	77931.49	77931.49	.00
15	77833.72	77833.72	.00	77874.70	77874.70	.00	-77919.98	77919.86	.12
16	-77812.49	77812.47	.02	77856.63	77856.63	-.00	77903.90	77903.89	.01
17	77793.19	77793.19	.00	77837.19	77837.19	.00	77887.35	77887.37	-.02
18	77769.58	77769.58	-.00	77824.55	77824.55	-.00	77869.73	77869.71	.02
19	77745.44	77745.41	.03	77798.81	77798.81	-.00	77850.33	77850.33	-.00
20	77720.10	77720.12	-.02	77775.63	77775.63	.00	77830.92	77830.80	.12
21	77693.10	77693.11	-.01	77751.87	77751.87	.00	-77812.49	77812.46	.03
22	77665.82	77665.95	-.13	77727.04	77727.04	.00	77789.87	77789.81	.06
23	77639.99	77639.99	.00	77701.86	77701.86	.00	0.00	77766.65	0.00
24	77609.66	77609.72	-.06	77674.59	77674.59	-.00	-0.00	77742.29	0.00
25	77578.96	77578.96	-.00	77646.55	77646.55	-.00	-0.00	77716.89	0.00
26	0.00	77547.01	0.00	77617.35	77617.35	.00	-0.00	77690.20	0.00
27	0.00	77514.01	0.00	77586.86	77586.86	-.00	-0.00	0.00	0.00

Table 2. (Cont.)

## X O - A11

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	79149.44	79149.44	.00
1	0.00	0.00	0.00	-79145.47	79145.59	-.12	-79150.89	79150.94	-.05
2	79137.91	79137.91	.00	79143.23	79143.26	-.03	-79150.89	79151.31	-.42
3	79131.75	79131.72	.03	79139.80	79139.77	.03	-79150.89	79150.50	.39
4	79124.37	79124.39	-.02	-79135.35	79135.12	.23	79148.58	79146.54	.04
5	79115.90	79115.90	.00	-79129.09	79129.32	-.23	-79145.47	79145.36	.11
6	79106.22	79106.25	-.03	79122.29	79122.29	-.00	79141.08	79141.03	.05
7	79095.39	79095.39	.00	79114.14	79114.13	.01	-79135.35	79135.57	-.22
8	79083.32	79083.38	-.06	79104.82	79104.82	.00	-79129.09	79128.97	.12
9	-79070.48	79070.23	.25	79094.38	79094.38	-.00	79121.05	79121.15	-.10
10	-79056.01	79055.96	.05	79082.70	79082.73	-.03	79113.05	79113.05	.00
11	79040.59	79040.46	.13	-79070.48	79070.78	-.30	79102.20	79102.20	-.00
12	-79024.53	79024.68	-.15	-79056.01	79056.10	-.09	79090.73	79090.62	.11
13	-79006.39	79006.17	.22	79040.59	79040.69	-.10	79078.18	79078.17	.01
14	-78986.98	78986.93	.05	-79024.53	79024.41	.12	79064.26	79064.26	.00
15	78966.81	78966.82	-.01	-79006.39	79006.67	-.28	-79048.34	79048.32	.02
16	78945.24	78945.24	-.00	-78986.98	78986.89	.09	79035.38	79035.40	-.02
17	78921.65	78921.65	.00	78970.21	78970.16	.05	79017.52	79017.52	.00
18	78901.05	78901.09	-.04	78948.48	78948.45	.03	78998.98	78998.96	.02
19	78875.53	78875.56	-.03	78926.08	78926.07	.01	78979.34	78979.34	-.00
20	78849.34	78849.37	-.03	78902.67	78902.64	.03	78958.65	78958.68	-.03
21	78822.10	78822.12	-.02	78878.17	78878.16	.01	78936.74	78936.74	.00
22	78793.84	78793.83	.01	78852.43	78852.41	.02	78913.62	78913.61	.01
23	78764.25	78764.27	-.02	78825.51	78825.47	.04	78889.41	78889.41	.00
24	78733.46	78733.52	-.06	78797.41	78797.46	-.05	78863.92	78863.89	.03
25	78701.77	78701.72	.05	78768.13	78768.15	-.02	78837.36	78837.35	.01
26	0.00	78668.61	0.00	78737.80	78737.81	-.01	0.00	78809.45	0.00
27	0.00	78634.47	0.00	78706.11	78706.11	-.00	0.00	0.00	0.00

## X O - A12

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	80253.12	80253.03	.09
1	0.00	0.00	0.00	80249.14	80249.18	-.04	-80254.52	80254.49	.03
2	80241.44	80241.50	-.06	80246.83	80246.81	.02	-80254.52	80254.70	-.18
3	80235.25	80235.27	-.02	-80243.19	80243.16	.03	80253.73	80253.67	.06
4	80227.78	80227.78	-.00	80238.27	80238.29	-.02	80251.43	80251.40	.03
5	80219.02	80219.07	-.05	80232.13	80232.18	-.05	80248.00	80248.01	-.01
6	80209.15	80209.11	.04	80224.95	80224.94	.01	-80243.19	80243.34	-.15
7	80198.05	80198.04	.01	80216.45	80216.44	.01	-80237.50	80237.44	.06
8	80185.68	80185.69	-.01	80206.68	80206.69	-.01	80230.35	80230.39	-.04
9	80172.12	80172.10	.02	80195.81	80195.80	.01	80222.02	80222.08	-.06
10	80157.42	80157.38	.04	80183.68	80183.66	.02	80212.59	80212.57	.02
11	80141.42	80141.39	.03	80170.32	80170.30	.02	80201.84	80201.84	-.00
12	80124.15	80124.20	-.05	80155.74	80155.74	-.00	80189.87	80189.86	.01
13	80105.83	80105.81	.02	80139.95	80139.93	.02	80176.70	80176.67	.03
14	80086.14	80086.17	-.03	80122.91	80122.91	.00	80162.32	80162.27	.05
15	80065.29	80065.32	-.03	80104.69	80104.68	.01	80146.69	80146.68	.01
16	80043.20	80043.25	-.05	80085.25	80085.25	-.00	80129.79	80129.77	.02
17	-80019.73	80020.01	-.28	80064.51	80064.53	-.02	80111.74	80111.82	-.08
18	-79995.34	79995.46	-.12	80042.83	80042.75	.08	80092.39	80092.39	-.00
19	-79969.62	79969.86	-.24	-80019.73	80019.50	.23	80072.09	80072.09	-.00
20	-79942.68	79942.80	-.12	-79995.34	79995.39	-.05	80050.03	80050.03	.00
21	-79914.71	79914.87	-.16	-79969.62	79969.51	.11	80027.01	80027.01	.00
22	-79885.33	79885.18	.15	-79942.68	79942.68	.00	80002.73	80002.73	.00
23	-79854.59	79854.54	.05	-79914.71	79914.59	.12	79977.62	79977.62	.00
24	-79822.24	79822.64	-.40	-79885.33	79885.33	-.00	79951.32	79951.32	-.00
25	0.00	79789.93	0.00	-79854.59	79854.59	-.00	79923.00	79923.00	-.00
26	0.00	79756.04	0.00	-79822.24	79822.24	.00	79894.34	79894.34	.00
27	0.00	79720.12	0.00	79791.80	79791.80	-.00	79863.28	79863.22	.06
28	0.00	79683.88	0.00	79756.04	79756.10	-.06	79831.16	79831.16	0.00

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Table 2. (Cont.)

## X O - A13

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-81322.76	81322.76	.00
1	0.00	0.00	0.00	81318.86	81318.91	-.05	-81323.99	81324.13	-.14
2	81311.29	81311.23	.06	-81316.43	81316.45	-.02	-81323.99	81324.09	-.10
3	-81305.06	81304.91	.15	81312.48	81312.55	-.07	-81322.76	81322.86	-.10
4	81297.25	81297.17	.08	81307.42	81307.48	-.06	81320.32	81320.35	-.03
5	81288.33	81288.26	.07	81301.11	81301.13	-.02	-81316.43	81316.61	-.18
6	81278.11	81278.06	.05	81293.52	81293.54	-.02	81311.56	81311.54	.02
7	81266.67	81266.64	.03	81284.61	81284.64	-.03	-81305.06	81305.28	-.22
8	81253.90	81253.89	.01	81274.50	81274.53	-.03	81297.58	81297.66	-.08
9	81239.97	81239.94	.03	81263.11	81263.07	.04	81288.79	81288.86	-.07
10	81224.69	81224.65	.04	81250.45	81250.44	.01	81278.72	81278.76	-.04
11	81208.23	81208.17	.06	81236.52	81236.49	.03	81267.40	81267.44	-.04
12	81190.40	81190.39	.01	81221.34	81221.34	-.00	81254.75	81254.77	-.02
13	81171.47	81171.41	.06	81204.87	81204.84	.03	81240.88	81240.98	-.10
14	81151.07	81151.08	-.01	81187.42	81187.22	.20	81225.68	81225.71	-.03
15	81129.54	81129.63	-.09	81168.13	81168.12	.01	81209.26	81209.25	.01
16	81106.72	81106.69	.03	81147.86	81147.82	.04	81191.54	81191.51	.03
17	81082.52	81082.58	-.06	81126.28	81126.27	.01	81172.48	81172.49	-.01
18	81057.17	81057.20	-.03	81103.44	81103.42	.02	81152.25	81152.24	.01
19	81030.52	81030.53	-.01	81079.38	81079.35	.03	81130.64	81130.64	-.00
20	81002.62	81002.65	-.03	81053.96	81053.94	.02	81107.78	81107.77	.01
21	80973.41	80973.42	-.01	81027.26	81027.25	.01	81083.98	81084.03	-.05
22	80942.88	80942.92	-.04	80999.64	80999.70	-.06	81058.28	81058.37	-.09
23	80911.66	80911.56	.10	80970.20	80970.23	-.03	81031.52	81031.53	-.01
24	80878.40	80878.28	.12	80939.62	80939.58	.04	81003.27	81003.32	-.05
25	80843.82	80843.84	-.02	80907.63	80907.58	.05	-80974.85	80974.81	.04
26	0.00	80808.04	0.00	80875.27	80875.27	.00	80943.90	80943.88	.02
27	0.00	80771.93	0.00	80840.52	80840.54	-.02	0.00	0.00	0.00

## X O - A14

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-82356.80	82356.95	-.15
1	0.00	0.00	0.00	-82353.44	82353.10	.34	-82357.87	82357.98	-.11
2	82345.42	82345.42	-.00	-82350.05	82350.30	-.25	-82357.87	82357.87	.00
3	82338.76	82338.76	-.00	82346.26	82346.33	-.07	-82356.80	82356.56	.24
4	82331.03	82330.95	.08	82341.18	82341.18	-.00	-82353.44	82353.83	-.39
5	82321.97	82321.96	.01	82334.61	82334.61	.00	-82350.05	82349.78	.27
6	82311.55	82311.54	.01	82326.73	82326.71	.02	82344.74	82344.48	.26
7	82299.79	82299.81	-.02	82317.43	82317.58	-.15	82337.81	82337.78	.03
8	82286.71	82286.83	-.12	82306.96	82307.03	-.07	82329.74	82329.71	.03
9	82272.49	82272.44	.05	82295.09	82295.12	-.03	82320.31	82320.33	-.02
10	0.00	82256.70	0.00	82281.93	82281.91	.02	82309.69	82309.74	-.05
11	82239.63	82239.64	-.01	82267.59	82267.47	.12	82297.69	82297.62	.07
12	82221.31	82221.37	-.06	82251.37	82251.52	-.15	82284.32	82284.34	-.02
13	82201.68	82201.59	.09	82234.41	82234.41	-.00	82269.68	82269.71	-.03
14	82180.68	82180.65	.03	82216.01	82215.95	.06	0.00	82253.75	0.00
15	82158.33	82158.36	-.03	82196.19	82196.16	.03	82236.42	82236.46	-.04
16	82134.70	82134.73	-.03	82175.09	82175.03	.06	82217.78	82217.83	-.05
17	82109.78	82109.79	-.01	82152.66	82152.59	.07	82197.90	82197.97	-.07
18	82083.50	82083.52	-.02	82129.08	82128.90	.18	82176.61	82176.71	-.10
19	82055.89	82056.01	-.12	82104.06	82103.82	.24	82153.84	82153.60	.04
20	82026.98	82027.12	-.14	-82077.58	82077.10	.48	82129.54	82129.92	-.38
21	81996.54	81996.58	-.04	-82049.80	82049.40	.40	82104.06	82104.32	-.26
22	81965.45	81965.07	.38	-82020.53	82019.99	.54	-82077.58	82078.20	-.62
23	81932.11	81931.85	.26	-81990.00	81990.06	-.06	-82049.80	82050.08	-.28
24	81898.11	81898.11	-.00	-81958.00	81958.13	-.13	-82020.53	82020.70	-.17
25	81862.39	81862.39	-.00	-81925.11	81924.96	.15	-81990.00	81989.99	.01
26	81825.42	81825.42	0.00	-81890.43	81890.45	-.02	-81958.00	81957.99	.01
27	0.00	81787.11	0.00	-81854.65	81854.65	-.00	-81925.11	81925.11	-.00
28	0.00	81747.53	0.00	0.00	81817.99	0.00	81890.43	81890.43	.00
29	0.00	81707.08	0.00	0.00	81779.52	0.00	81854.65	81854.65	.00

Table 2. (Cont.)

## X O - A15

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	83355.75	83355.68	.07
1	0.00	0.00	0.00	-83351.50	83351.83	-.33	-83356.22	83356.63	-.41
2	83344.08	83344.15	-.07	83348.96	83348.95	.01	-83356.22	83356.16	.06
3	83337.40	83337.41	-.01	83344.55	83344.62	-.07	83354.70	83354.62	.08
4	83329.31	83329.24	.07	83339.24	83339.24	-.00	-83351.50	83351.26	.24
5	83319.95	83320.02	-.07	83332.33	83332.33	.00	83346.18	83346.25	-.07
6	83308.97	83308.97	-.00	83323.84	83323.84	-.00	83341.96	83341.96	-.00
7	83296.34	83296.28	.06	83314.19	83314.19	.00	83334.54	83334.56	-.02
8	83284.31	83284.31	.00	83302.51	83302.51	.00	83325.86	83325.91	-.05
9	83269.24	83269.22	.02	-83292.53	83292.53	-.00	83315.90	83315.91	-.01
10	83252.95	83252.90	.05	-83278.25	83278.25	.00	83304.20	83304.19	.01
11	83235.23	83235.22	.01	-83262.86	83262.86	-.00	-83292.53	83292.77	-.24
12	83215.82	83215.82	-.00	-83246.19	83246.19	-.00	-83278.25	83278.36	-.11
13	83196.74	83196.74	-.00	-83228.13	83228.13	-.00	-83262.86	83262.89	-.03
14	83174.67	83174.67	.00	83208.86	83208.86	.00	-83246.19	83246.06	.13
15	83151.54	83151.54	.00	83188.46	83188.47	-.01	-8328.13	83227.84	.29
16	83127.06	83127.04	.02	83166.49	83166.41	.08	83208.61	83208.42	.19
17	83101.09	83101.17	-.08	83143.07	83143.18	-.11	83187.42	83187.42	.00
18	83074.02	83074.11	-.09	83118.35	83118.35	-.00	83165.04	83165.07	-.03
19	83045.45	83045.46	-.01	83092.18	83092.18	-.00	83141.28	83141.31	-.03
20	83015.50	83015.48	.02	83064.60	83064.61	-.01	83116.27	83116.12	.15
21	82984.13	82984.09	.04	83035.62	83035.60	.02	83089.64	83089.64	.00
22	82951.09	82951.27	-.18	83005.30	83005.31	-.01	83061.79	83061.72	.07
23	0.00	82917.17	0.00	82973.51	82973.58	-.07	83032.35	83032.43	-.08
24	0.00	82881.63	0.00	82940.56	82940.48	.08	83001.76	83001.76	-.00

## X O - A16

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-84317.93	84317.42	.51
1	0.00	0.00	0.00	84313.44	84313.57	-.13	-84317.93	84318.44	-.51
2	84306.02	84305.89	.13	84310.76	84310.76	.00	-84317.93	84317.86	.07
3	84299.21	84299.22	-.01	84306.26	84306.32	-.06	84316.07	84316.06	.01
4	84291.01	84290.94	.07	84300.66	84300.68	-.02	84312.83	84312.78	.05
5	84281.46	84281.46	.00	-84293.81	84293.56	.25	84307.98	84307.99	-.01
6	84270.44	84270.49	-.05	-84284.91	84284.92	-.01	84301.81	84301.80	.01
7	84258.02	84258.02	.00	-84274.81	84274.90	-.09	-84293.81	84294.18	-.37
8	84244.14	84244.15	-.01	-84263.16	84263.43	-.27	84284.91	84285.11	-.20
9	84228.84	84228.84	-.00	84250.61	84250.52	.09	-84274.81	84274.73	.08
10	84212.22	84212.10	.12	84236.29	84236.31	-.02	84263.16	84262.95	.21
11	84194.06	84194.04	.02	84220.56	84220.68	-.12	84249.01	84249.55	.06
12	84174.48	84174.58	-.10	84203.43	84203.45	-.02	84234.77	84234.75	.02
13	84153.49	84153.52	-.03	84184.83	84184.82	.01	84218.51	84218.53	-.02
14	84131.04	84131.06	-.02	84164.76	84164.77	-.01	84200.95	84200.93	.02
15	84107.21	84107.18	.03	84143.30	84143.34	-.04	84181.81	84181.83	-.02
16	84081.92	84081.91	.01	84120.43	84120.40	.03	84161.26	84161.28	-.02
17	84055.15	84055.16	-.01	84096.07	84096.04	.03	84139.28	84139.31	-.03
18	84026.96	84026.97	-.01	84070.31	84070.24	.07	84115.91	84115.98	-.07
19	83997.30	83997.35	-.05	84043.01	84043.09	-.08	84091.12	84091.07	.05
20	83966.55	83966.39	.16	84014.32	84014.37	-.05	84064.68	84064.76	-.08
21	83933.85	83933.85	.00	83984.28	83984.24	.04	84036.89	84036.84	.05
22	83899.94	83899.91	.03	83952.45	83952.51	-.06	-0.00	84007.60	0.00
23	0.00	83884.37	0.00	83919.46	83919.46	.00	-0.00	83976.75	0.00
24	0.00	83827.51	0.00	83884.80	83884.80	-.00	-0.00	0.00	0.00

Table 2. (Cont.)

## X O - A17

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-85240.32	85239.96	.36
1	0.00	0.00	0.00	85236.11	85236.11	-.00	-85240.32	85240.67	-.35
2	-85228.76	85228.43	.33	85233.23	85232.99	.24	-85240.32	85240.37	-.05
3	85221.20	85221.45	-.25	-85228.76	85228.83	-.07	85238.14	85238.10	.04
4	-85213.58	85213.45	.13	-85222.78	85222.72	.06	85234.51	85234.51	-.00
5	85203.46	85203.50	-.04	-85214.96	85215.29	-.33	-85228.76	85229.32	-.56
6	-85192.40	85192.22	.18	85206.19	85206.25	-.06	-85222.78	85222.87	-.09
7	85179.41	85179.35	.06	85195.80	85195.97	-.17	-85214.96	85214.70	.26
8	85165.39	85165.22	.17	85183.98	85183.95	.03	85205.26	85205.18	.08
9	85149.33	85149.36	-.03	85170.60	85170.59	.01	85194.58	85194.51	.07
10	85132.09	85132.17	-.08	85155.69	85156.09	-.40	85181.65	85181.66	-.01
11	85114.14	85113.82	.32	85139.40	85139.39	.01	85167.56	85167.57	-.01
12	85093.28	85093.29	-.01	85120.42	85120.42	-.00	85152.03	85152.02	.01
13	85071.56	85071.54	.02	85102.46	85102.46	-.00	85134.90	85134.89	.01
14	85048.33	85048.33	.00	85081.37	85081.37	-.00	85116.66	85116.63	.03
15	85023.52	85023.54	-.02	85058.92	85059.04	-.12	85096.46	85096.47	-.01
16	84997.69	84997.61	.08	85035.02	85035.04	-.02	85075.18	85074.97	.21
17	84969.83	84969.80	.03	85009.63	85009.73	-.10	85051.73	85051.76	-.03
18	84940.54	84940.66	-.12	84982.79	84982.69	.10	85027.18	85026.98	.20
19	84909.72	84909.80	-.08	84954.36	84954.09	.27	85001.22	85001.15	.07
20	84876.93	84877.39	-.46	84924.57	84924.45	.12	84973.61	84973.57	.04
21	84843.74	84843.93	-.19	84892.84	84893.05	-.21	84944.49	84944.47	.02
22	84808.89	84808.72	.17	84860.07	84860.14	-.07	84913.90	84913.93	-.03
23	84772.04	84772.00	.04	84825.74	84825.79	-.05	84881.54	84881.54	.00
24	84733.92	84733.84	.08	84789.48	84789.59	-.11	84848.10	84847.99	.11
25	84693.96	84693.85	.11	84752.15	84752.25	-.10	0.00	84812.63	0.00
26	0.00	84652.71	0.00	84713.09	84713.09	.00	-0.00	0.00	0.00

## X O - A18

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-86121.12	86120.99	.13
1	0.00	0.00	0.00	-86117.01	86117.14	-.13	-86121.12	86121.72	-.60
2	-86109.45	86109.46	-.01	86114.04	86114.04	-.00	-86121.12	86120.77	.35
3	-86102.51	86102.50	.01	-86109.45	86109.23	.22	86120.22	86119.97	.25
4	86093.85	86093.85	-.00	86104.43	86104.59	-.16	86115.49	86115.35	.14
5	86085.27	86085.37	-.10	-86096.30	86096.13	.17	-86109.45	86109.71	-.26
6	86072.92	86073.06	-.14	86086.75	86086.64	.11	86102.51	86102.61	-.10
7	86059.63	86059.74	-.11	86075.82	86075.71	.11	86093.85	86093.96	-.11
8	-86044.44	86044.96	-.52	86063.29	86063.21	.08	86084.18	86083.98	.20
9	86028.65	86028.62	.03	86049.35	86049.39	-.04	86072.41	86072.23	.18
10	86010.82	86010.97	-.15	86033.71	86033.81	-.10	86059.13	86058.98	.15
11	85991.45	85991.54	-.09	86016.62	86016.71	-.09	-86044.44	86044.24	.20
12	85970.55	85970.61	-.06	85997.97	85998.14	-.17	86027.70	86027.69	.01
13	85948.39	85948.21	.18	85977.81	85977.76	.05	86009.79	86009.74	.05
14	85923.95	85924.00	-.05	85955.96	85955.98	-.02	85990.29	85990.22	.07
15	85989.35	85989.39	-.04	85932.64	85932.63	.01	85969.09	85969.11	-.02
16	85871.13	85871.20	-.07	85907.69	85907.68	.01	85946.35	85946.37	-.02
17	85842.45	85842.44	.01	85881.14	85881.13	.01	85922.21	85922.19	.02
18	85812.07	85812.06	.01	85852.98	85853.12	-.14	85896.46	85896.63	-.17
19	85780.35	85780.23	.12	85823.55	85823.74	-.19	85869.20	85869.04	.16
20	85747.39	85747.04	.35	85792.22	85792.34	-.12	85840.10	85840.03	.07
21	85711.79	85711.82	-.03	85759.40	85759.51	-.11	85809.34	85809.43	-.09
22	85675.20	85675.18	.02	85725.07	85725.10	-.03	85777.14	85777.65	-.51
23	85637.06	85636.96	.10	85690.16	85689.51	.65	85744.10	85743.74	.36
24	85597.42	85597.56	-.14	85651.77	85651.79	-.02	85708.13	85708.11	.02
25	85555.72	85556.05	-.33	85612.35	85612.37	-.02	85671.24	85671.34	-.10
26	0.00	85512.83	0.00	85571.90	85571.80	.10	0.00	85632.66	0.00
27	0.00	85468.46	0.00	85529.32	85529.32	-.00	0.00	0.00	0.00

Table 2. (Cont.)

## X O - A20

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-87743.17	87742.88	.29
1	0.00	0.00	0.00	-87739.10	87739.03	.07	-87743.17	87743.37	-.20
2	87731.35	87731.35	.00	87735.69	87735.69	.00	87742.10	87742.11	-.01
3	-87723.82	87724.15	-.33	87730.57	87730.57	-.00	-87739.10	87739.24	-.14
4	-87715.20	87715.19	.01	-87723.82	87723.86	-.04	87734.46	87734.43	.03
5	-87704.83	87704.64	.19	-87715.20	87715.21	-.01	87728.08	87728.08	.00
6	87692.12	87692.14	-.02	-87704.83	87705.01	-.18	87719.94	87719.97	-.03
7	87678.10	87678.11	-.01	87693.06	87693.07	-.01	87710.18	87710.18	.00
8	87662.35	87662.32	.03	87679.42	87679.43	-.01	87698.66	87698.65	.01
9	87644.84	87644.84	-.00	87664.06	87664.06	-.00	87685.45	87685.45	-.00
10	87625.63	87625.64	-.01	87647.01	87647.03	-.02	87670.52	87670.52	.00
11	87604.77	87604.76	.01	87628.23	87628.25	-.02	87653.85	87653.84	.01
12	87582.16	87582.15	.01	87607.73	87607.74	-.01	87635.46	87635.48	-.02
13	87557.82	87557.81	.01	87585.54	87585.55	-.01	87615.37	87615.38	-.01
14	87531.83	87531.79	.04	87561.62	87561.62	.00	87593.53	87593.55	-.02
15	87504.03	87504.03	.00	87536.01	87535.96	.05	87569.98	87569.98	.00
16	87474.51	87474.53	-.02	87508.56	87508.55	.01	87544.71	87544.74	-.03
17	87443.30	87443.31	-.01	87479.46	87479.50	-.04	87517.63	87517.61	.02
18	87410.51	87410.43	.08	87448.52	87448.54	-.02	87488.87	87488.89	-.02
19	87375.64	87375.65	-.01	87416.03	87416.00	.03	87458.31	87458.31	-.00

## X O - A21

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-88469.24	88469.25	-.01
1	0.00	0.00	0.00	88465.47	88465.40	.07	-88469.24	88469.31	-.07
2	88457.66	88457.72	-.06	88461.62	88461.63	-.01	88467.77	88467.76	.01
3	88450.10	88450.09	.01	88456.22	88456.22	-.00	88464.35	88464.38	-.03
4	88440.82	88440.84	-.02	88449.00	88449.00	-.00	88459.22	88459.21	.01
5	88429.80	88429.78	.02	88439.99	88439.99	.00	88452.21	88452.25	-.04
6	-88416.67	88416.92	-.25	88429.22	88429.18	.04	88443.46	88443.46	-.00
7	-88402.16	88402.28	-.12	-88416.67	88416.56	.11	88432.87	88432.97	-.10
8	-88385.88	88385.81	.07	-88402.16	88402.22	-.06	88420.54	88420.65	-.11
9	88367.73	88367.63	.10	-88385.88	88386.06	-.18	88406.30	88406.34	-.04
10	88347.75	88347.64	.11	-88367.73	88367.92	-.19	88390.30	88390.26	.04
11	88325.69	88325.65	.04	88347.94	88347.99	-.05	88372.49	88372.43	.06
12	88301.91	88301.89	.02	88326.32	88326.33	-.01	88352.79	88352.79	-.00
13	88276.35	88276.40	-.05	88302.86	88302.86	-.00	88331.31	88331.33	-.02
14	88249.10	88249.10	.00	88277.56	88277.57	-.01	88307.99	88307.97	.02
15	88220.01	88219.98	.03	88250.37	88250.38	-.01	88282.84	88282.88	-.04
16	88188.95	88188.95	-.00	88221.44	88221.45	-.01	88255.84	88255.87	-.03
17	88156.25	88156.21	.04	88190.66	88190.63	.03	88227.00	88227.03	-.03
18	0.00	88121.56	0.00	88157.99	88157.96	.03	88196.31	88196.31	-.00
19	0.00	88085.07	0.00	0.00	88123.42	0.00	88163.68	88163.68	-.00

## X O - A23

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-89677.77	89677.77	.00
1	0.00	0.00	0.00	0.00	89673.92	0.00	-89677.77	89677.43	.34
2	0.00	89666.24	0.00	-89669.42	89669.75	-.33	0.00	89674.46	0.00
3	0.00	89658.21	0.00	-89662.92	89662.92	-.00	-89669.42	89668.86	.56
4	0.00	89657.54	0.00	-89654.31	89653.48	.83	-89662.92	89665.04	-2.12
5	-89632.87	89634.26	-1.39	-89643.42	89645.82	-2.40	-89654.31	89654.36	-.05
6	89622.75	89622.75	-.00	-89631.21	89631.29	-.08	-89643.42	89643.29	.13
7	89604.39	89604.39	.00	89616.38	89616.39	-.01	-89631.21	89630.19	1.02
8	89585.64	89585.64	.00	89599.53	89599.44	.09	-89614.55	89615.25	-.70
9	89564.76	89564.85	-.09	89580.68	89580.66	.02	89597.90	89597.85	.05
10	89542.22	89542.24	-.02	89559.42	89559.43	-.01	89578.45	89578.43	.02
11	89517.13	89517.16	-.03	89536.14	89536.16	-.02	89556.74	89556.79	-.05
12	89490.05	89490.06	-.01	89510.63	89510.69	-.06	89533.01	89532.99	.02
13	89460.87	89460.76	.11	89483.05	89483.06	-.01	89507.02	89507.00	.02
14	-89429.98	89429.30	.68	89453.23	89453.24	-.01	89478.56	89478.51	.05
15	-89399.43	89395.65	3.78	89420.87	89420.92	-.05	89448.38	89448.34	.04
16	-89361.00	89359.49	1.51	89386.87	89386.91	-.04	89415.55	89415.55	-.00
17	0.00	89321.67	0.00	89350.31	89350.31	.00	89379.39	89379.39	.00

Table 3. Bands observed by Gero (1936) with corrected wavenumbers. Blends are indicated by a prefixed minus sign in the observed column. Calculated wavenumbers without a minus sign are computed from the data of Simmons, Bass, and Tilford (1969). Calculated wavenumbers with a minus sign are derived from these data.

X11 - A 4									
J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	48338.86	48338.88	-.03
1	0.00	0.00	0.00	48335.48	48335.42	.06	48341.44	48341.32	.11
2	-48329.04	48328.50	.54	-48334.43	48334.40	.02	48343.37	48343.43	-.06
3	48324.59	48324.02	.57	48333.11	48333.05	.06	-48345.67	48345.04	.62
4	48319.28	48319.21	.06	48331.31	48331.20	.10	-48346.89	48346.22	.66
5	48313.72	48313.91	-.18	-48329.04	48328.93	.12	-48347.68	48347.01	.67
6	48308.17	48308.17	-.00	-48326.61	48326.25	.36	-48347.68	48347.39	.29
7	48302.08	48302.04	.04	48323.05	48323.18	-.13	-48347.68	48347.23	.45
8	-48295.51	48295.51	-.00	48319.67	48319.56	.11	-48346.89	48346.80	.09
9	48288.27	48288.44	-.17	48315.48	48315.68	-.20	-48345.67	48345.74	-.07
10	48280.96	48281.10	-.14	48311.24	48311.16	.08	48344.52	48344.33	.20
11	48273.12	48273.13	-.01	-48306.58	48306.30	.29	48342.35	48342.69	-.34
12	48264.73	48264.82	-.08	48301.15	48301.21	-.06	48340.12	48340.18	-.06
13	48256.17	48256.28	-.11	-48295.51	48295.25	.26	48337.55	48337.55	-.01
14	48246.91	48246.88	.03	48289.20	48289.18	.02	-48334.43	48334.27	.16
15	48237.38	48237.36	.03	48282.45	48282.45	.01	48330.78	48330.71	.07
16	48227.21	48227.18	.02	48275.47	48275.44	.03	-48326.61	48326.66	-.06
17	48216.65	48216.74	-.09	48266.05	48267.96	.09	48322.15	48322.19	-.03
18	48205.80	48205.82	-.02	48260.07	48260.05	.02	48317.16	48317.26	-.10
19	48194.52	48194.47	.05	48251.78	48251.68	.10	48312.09	48311.85	.23
20	48182.59	48182.68	-.09	48243.03	48242.85	.18	-48306.58	48306.09	.50
21	48170.39	48170.41	-.02	-48233.53	48233.65	-.12	48299.77	48299.78	-.01
22	48157.81	48157.79	.02	48223.89	48223.92	-.03	48293.05	48292.84	.21
23	48144.58	48144.63	-.05	48212.99	48213.55	-.56	48285.92	48285.87	.05
24	48131.24	48130.85	.39	48203.28	48203.17	.12	48278.30	48278.26	.05
25	48116.91	48117.04	-.13	48192.20	48192.13	.06	48270.08	48270.16	-.08
26	-48102.47	48102.60	-.13	48180.76	48180.63	.13	48261.52	48261.62	-.10
27	-48087.51	48087.69	-.18	48168.69	48168.68	.02	48252.69	48252.72	-.02
28	-48072.30	48072.33	-.03	48156.37	48156.37	.00	48244.15	48243.21	.94
29	-48056.63	48056.62	.01	48143.33	48143.46	-.13	-48233.53	48233.28	.25
30	-48040.31	48040.32	-.01	48130.14	48130.14	.00	48222.96	48222.87	.09
31	48023.60	48023.60	-.01	48116.31	48116.30	.00	48211.87	48211.91	-.05
32	48006.32	-48006.41	-.09	-48102.47	-48102.47	.00	48200.48	48200.45	.03
33	47988.73	-47988.68	.05	-48087.51	-48087.51	-.00	48184.10	-48184.06	.04
34	47970.43	-47970.46	-.03	-48072.30	-48072.30	-.00	48177.23	-48177.24	-.01
35	47947.28	-47947.33	-.05	-48056.63	-48056.64	-.00	48164.43	-48164.32	.12
36	47933.78	-47933.76	.02	-48040.31	-48040.31	-.00	48151.12	-48151.12	-.00
37	47913.99	-47914.11	-.12	-48027.97	-48027.97	.00	48137.39	-48137.50	-.10
38	47894.19	-47894.19	-.00	48007.89	-48007.89	.00	48123.29	-48123.33	-.05
39	47873.96	-47873.86	.10	47990.17	-47990.17	-.00	48107.96	-48107.96	-.00
40	47853.05	-47853.00	.05	47972.02	-47972.02	.00	48094.18	-48094.18	.00
41	0.00	-47830.94	0.00	-47953.72	-47953.72	.00	48078.32	-48078.32	-.00
42	0.00	-47810.49	0.00	47934.84	-47934.84	.00	48062.26	-48062.35	-.09
43	-47788.46	-47787.96	.50	47915.18	-47915.18	-.00	48045.61	-48045.61	-.00
44	47765.43	-47765.34	.09	-47896.12	-47896.12	-.00	-48027.97	-48029.02	-1.06
45	-47742.88	-47741.97	.91	47875.40	-47875.40	-.00	48014.45	-48015.16	.71
46	-47719.82	-47718.76	1.06	-47854.62	-47854.62	-.00	47993.66	-47993.66	-.00
47	47699.00	-47698.29	.71	0.00	-47833.57	0.00	47974.87	-47974.89	-.02
48	-47670.92	-47670.19	.73	0.00	-47811.51	0.00	47955.92	-47956.24	.32
49	47644.86	-47644.84	.02	-47788.46	-47788.46	.00	47936.82	-47936.90	-.08
50	47619.93	-47619.62	.31	47766.91	-47766.91	.00	47916.63	-47916.72	-.09
51	47593.81	-47593.73	.08	-47742.88	-47742.88	.00	-47896.12	-47896.10	.02
52	47567.09	-47567.01	.08	-47719.82	-47719.82	.00	47876.83	-47876.28	.55
53	47539.86	-47539.86	.00	47697.54	-47697.54	.00	-47854.62	-47853.94	.68
54	47512.97	-47513.53	-.56	-47670.92	-47670.92	-.00	0.00	0.00	0.00
55	47484.70	-47484.70	.00	0.00	0.00	0.00	0.00	0.00	0.00

PREVIOUS PAGE IS  
A QUARTER

Table 3. (Cont.)

X13 - A 5

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	45994.76	45994.87	-.11
1	0.00	0.00	0.00	45991.47	45991.48	-.01	45997.72	45997.50	.22
2	45984.74	45984.70	.04	45990.71	45990.72	-.01	45999.75	45999.67	.08
3	-45980.23	45980.55	-.32	-45989.52	45989.50	.02	-46001.72	46001.36	.36
4	45975.93	45975.94	-.01	45987.75	45987.80	-.05	-46002.80	46002.67	.13
5	45970.76	45970.85	-.09	-45985.73	45985.72	.01	-46003.78	46003.57	.21
6	45965.40	45965.38	.02	45983.19	45983.23	-.04	-46004.22	46004.07	.15
7	-45959.56	45959.51	.05	-45980.23	45980.35	-.12	-46004.22	46004.14	.08
8	45953.13	45953.24	-.11	-45976.92	45977.03	-.11	-46003.78	46003.74	.04
9	45946.48	45946.54	-.06	45973.22	45973.25	-.03	-46002.80	46003.00	-.20
10	45939.36	45939.37	-.01	45969.13	45969.12	.01	-46001.72	46001.77	-.05
11	45931.90	45931.86	.04	45964.51	45964.51	.00	46000.22	46000.16	.06
12	45923.91	45923.87	.04	-45959.56	45959.52	.04	45998.21	45998.15	.06
13	45915.45	45915.50	-.05	-45954.43	45954.13	.30	45995.71	45995.70	.01
14	45906.71	45906.73	-.02	45948.36	45948.30	.06	45992.83	45992.86	-.03
15	45897.49	45897.53	-.04	45942.14	45942.09	.05	-45989.52	45989.55	-.03
16	-45888.07	45887.95	.12	45935.35	45935.41	-.06	-45985.73	45985.85	-.12
17	45877.91	45877.89	.02	45928.36	45928.33	.03	45981.58	45981.68	-.10
18	-45867.35	45867.45	-.10	45920.93	45920.80	.13	-45976.92	45977.08	-.16
19	-45856.31	45856.55	-.24	45912.82	45912.83	-.01	45972.07	45972.07	-.00
20	-45845.29	45845.23	.06	45904.47	45904.47	.00	45966.57	45966.70	-.13
21	-45833.56	45833.50	.06	45895.72	45895.73	-.01	45960.93	45960.85	.08
22	45821.31	45821.40	-.09	45886.53	45886.52	.01	-45954.43	45954.59	-.16
23	-45808.80	45808.84	-.04	-45876.83	45876.91	-.08	45947.75	45947.85	-.10
24	45795.64	45795.89	-.25	45866.78	45866.83	-.05	45940.58	45940.74	-.16
25	45782.42	45782.45	-.03	-45856.31	45856.36	-.05	45933.10	45933.14	-.04
26	45768.60	45768.65	-.05	-45845.29	45845.43	-.14	45924.98	45925.14	-.16
27	45754.26	45754.37	-.11	-45833.56	45834.08	-.52	45916.55	45916.50	.05
28	45739.63	45739.70	-.07	-45822.15	45822.12	.03	45907.91	45907.87	.04
29	45724.49	45724.40	.09	45810.12	45810.15	-.03	45898.34	45898.00	.34
30	45709.18	45709.10	.08	45797.20	45796.95	.25	-45888.07	45888.43	-.36
31	45692.99	45692.58	.41	45783.20	45783.20	-.00	-45876.83	45876.68	.15
32	45676.38	45676.38	.00	45769.48	45769.48	.00	-45867.35	45867.45	-.10
33	45658.00	45658.00	-.00	45757.31	45757.31	-.00	45858.39	45858.46	-.07
34	45642.15	45642.15	.00	45742.56	45742.56	.00	-45845.29	45845.55	-.26
35	45626.62	45626.55	.07	45727.23	45727.23	.00	45834.36	45834.61	-.25
36	45607.03	45607.03	-.00	45712.92	45712.92	-.00	-45822.15	45821.88	.27
37	45589.75	45589.51	.24	45698.02	45698.02	.00	-45808.80	45808.74	.06
38	45570.20	45570.20	.00	45681.33	45681.33	-.00	45794.29	45794.77	-.48
39	45550.49	45550.49	.00	45664.58	45664.58	.00	45781.35	45781.54	-.19
40	45530.45	45529.96	.48	45647.52	45647.52	-.00	45767.09	45767.22	-.13
41	45510.36	45510.18	.18	45630.03	45630.03	-.00	45752.36	45752.58	-.22
42	45489.47	45489.34	.13	45612.04	45612.04	.00	45737.21	45737.58	-.37
43	45468.39	45468.18	.21	45593.59	45593.60	-.00	45721.69	45721.62	.07
44	45447.04	45446.66	.38	45574.23	45574.23	-.00	45705.50	45705.82	-.32
45	45424.12	45424.20	-.08	45555.39	45555.39	-.00	45689.06	45689.37	-.31
46	45402.25	45401.93	.32	45535.48	45535.48	-.00	45671.87	45672.09	-.22
47	45379.32	45379.01	.31	45515.02	45515.02	-.00	45654.30	45654.45	-.15
48	45355.48	45355.27	.21	45495.83	45495.83	-.00	45636.37	45636.53	-.16
49	45331.34	45331.19	.15	45474.40	45474.40	-.00	45617.86	45617.94	-.08
50	45306.99	45306.84	.15	45452.30	45452.30	-.00	45599.42	45599.44	-.02
51	45281.90	45281.83	.07	45430.13	45430.12	.00	45579.83	45579.77	.05
52	45256.95	45256.93	.01	45407.05	45407.04	-.00	45560.51	45560.18	.33
53	45230.83	45230.89	-.06	0.00	-45384.15	0.00	0.00	-45539.44	0.00
54	45204.60	45204.93	-.33	0.00	-45360.22	0.00	0.00	-45518.74	0.00
55	45177.83	45177.83	.00	0.00	-45336.35	0.00	0.00	-45497.67	0.00
56	0.00	-45150.80	0.00	45312.11	-45312.12	-.00	0.00	-45475.59	0.00
57	0.00	-45123.41	0.00	0.00	-45286.88	0.00	0.00	-45452.79	0.00
58	0.00	-45095.02	0.00	45260.92	-45260.93	-.00	0.00	-45430.76	0.00
59	0.00	-45065.93	0.00	45235.76	-45235.76	-.00	0.00	-45407.13	0.00
60	0.00	-45037.63	0.00	0.00	-45209.00	0.00	0.00	-45383.02	0.00
61	0.00	-45007.75	0.00	45181.77	-45181.77	-.00	0.00	-45358.52	0.00
62	0.00	-44977.41	0.00	45154.16	-45154.16	-.00	0.00	0.00	0.00

Table 3. (Cont.)

## X15 - A 6

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43718.70	0.00
1	0.00	0.00	0.00	0.00	43715.38	0.00	0.00	43721.19	0.00
2	0.00	43708.74	0.00	0.00	43714.55	0.00	0.00	43723.34	0.00
3	0.00	43704.59	0.00	0.00	43713.38	0.00	0.00	43725.05	0.00
4	0.00	43700.10	0.00	0.00	43711.77	0.00	0.00	43726.05	0.00
5	0.00	43695.17	0.00	0.00	43709.45	0.00	0.00	43727.01	0.00
6	0.00	43689.54	0.00	0.00	43707.10	0.00	0.00	43730.96	0.00
7	0.00	43683.86	0.00	0.00	43707.72	0.00	0.00	43728.55	0.00
8	0.00	43681.17	0.00	0.00	43702.00	0.00	0.00	43727.84	0.00
9	0.00	43672.14	0.00	0.00	43697.83	0.00	0.00	43726.77	0.00
10	0.00	43664.80	0.00	0.00	43693.17	0.00	0.00	43725.20	0.00
11	0.00	43657.10	0.00	0.00	43692.24	0.00	0.00	43722.86	0.00
12	0.00	43648.90	0.00	0.00	43684.57	0.00	0.00	43734.09	0.00
13	0.00	43639.94	0.00	0.00	43677.56	0.00	0.00	43726.98	0.00
14	0.00	43644.57	0.00	0.00	43679.79	0.00	0.00	43721.80	0.00
15	0.00	43630.84	0.00	0.00	43671.08	0.00	0.00	43717.92	0.00
16	0.00	43619.05	0.00	0.00	43666.85	0.00	0.00	43714.02	0.00
17	43608.64	43608.57	.07	43658.01	43658.03	-.02	43709.86	43709.94	-.08
18	43598.14	43598.07	.07	43650.48	43650.32	.16	43705.47	43705.53	-.06
19	43587.34	43587.40	-.06	43642.57	43642.61	-.04	43700.73	43700.75	-.02
20	43576.34	43576.40	-.06	43634.60	43634.54	.06	43695.57	43695.62	-.05
21	43564.99	43565.04	-.05	43626.08	43626.12	-.04	43690.26	43690.16	.10
22	43553.30	43553.33	-.03	43617.31	43617.37	-.06	43684.03	43684.20	-.17
23	43541.10	43541.30	-.20	43608.07	43608.13	-.06	43677.79	43677.94	-.15
24	43528.44	43528.78	-.34	43598.64	43598.59	.05	43671.12	43671.17	-.05
25	43516.01	43515.97	.04	43588.57	43588.57	.00	43664.11	43664.16	-.05
26	43502.70	43502.65	.05	43578.17	43578.17	.00	43656.58	43656.61	-.03
27	43489.15	43489.09	.05	43567.27	43567.27	.00	43648.75	43648.73	.02
28	43475.05	43475.01	.04	43556.16	43556.16	.00	43640.08	43640.26	-.18
29	43460.59	43460.61	-.02	43544.42	43544.42	.00	43631.52	43631.61	-.09
30	43445.80	43445.62	.18	43533.70	43533.70	.00	43622.45	43622.51	-.06
31	43430.55	43430.46	.09	43520.57	43520.57	.00	43612.92	43612.94	-.02
32	43414.94	43414.87	.07	43507.45	43507.45	.00	43602.71	43602.88	-.17
33	43398.83	43398.81	.02	43494.29	43494.30	-.00	43592.42	43592.54	-.12
34	43382.42	43382.26	.16	43480.59	43480.60	-.00	43581.59	43581.66	-.07
35	43365.57	43365.45	.13	43466.43	43466.43	-.00	43570.32	43570.46	-.14
36	43348.19	43348.11	.08	43452.02	43452.02	-.00	43558.49	43558.76	-.27
37	43330.59	43330.46	.13	43437.15	43437.15	-.00	43546.42	43546.56	-.14
38	43312.61	43312.33	.28	43421.78	43421.79	-.00	43533.70	43534.21	-.51
39	43293.84	43293.70	.14	43406.06	43406.07	-.00	43520.57	43521.47	-.90
40	43274.93	43274.92	.00	43389.87	43389.86	.00	43507.45	43507.65	-.20
41	43255.78	43255.78	-.00	43373.21	43373.21	-.00	43493.57	43493.57	.00
42	-43235.78	43235.57	.20	43356.22	43356.22	-.00	43479.20	43479.19	.00
43	-43214.78	43215.11	-.33	43338.68	43338.68	-.00	43464.51	43464.50	.01
44	-43194.36	43194.37	-.01	43320.56	43320.56	.00	43449.21	43449.21	.00
45	43173.30	43173.32	-.01	43302.98	43302.99	-.00	43433.27	43433.41	-.13
46	-43151.57	43151.68	-.11	43283.77	43283.77	.00	43417.89	43417.90	-.00
47	43129.68	43129.55	.13	43264.55	43264.56	-.00	43401.38	43401.43	-.05
48	0.00	43107.72	0.00	-43244.93	43244.92	.00	43384.15	43384.15	-.00
49	43085.01	43084.95	.06	43223.78	43223.77	.00	43367.17	43367.17	-.00
50	0.00	43061.39	0.00	43203.93	43203.93	-.00	0.00	43349.21	0.00
51	0.00	43038.14	0.00	43183.13	43183.13	-.00	0.00	43330.44	0.00
52	0.00	43013.92	0.00	43161.22	43161.23	-.00	0.00	43312.74	0.00
53	0.00	42988.90	0.00	43140.41	43140.41	-.00	0.00	43292.54	0.00
54	0.00	42964.97	0.00	43117.11	43117.10	.00	0.00	43272.77	0.00
55	0.00	42938.57	0.00	-43094.24	43094.24	.00	0.00	43253.48	0.00
56	0.00	42912.60	0.00	43071.84	43071.84	.00	0.00	0.00	0.00

Table 3. (Cont.)

## X16 - A 7

J	P(OBS)	P(CALC)	O-C	P(OBS)	P(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	43238.91	43240.02	-1.10
1	0.00	0.00	0.00	-43235.78	43236.73	-.95	43242.32	43242.43	-.11
2	-43228.70	43230.16	-.46	43234.81	43235.86	-1.05	43244.46	43244.52	-.06
3	-43225.76	43226.00	-.24	-43234.33	43234.66	-.34	43246.20	43246.16	.03
4	-43221.77	43221.52	.24	43233.06	43233.02	.03	-43247.69	43247.34	.34
5	-43216.80	43216.60	.20	43231.11	43230.92	.19	-43248.57	43248.22	.35
6	-43211.53	43211.21	.31	-43228.70	43228.51	.19	-43248.87	43248.67	.19
7	-43205.44	43205.52	-.08	-43225.76	43225.68	.08	-43248.87	43248.70	.16
8	-43199.52	43199.41	.11	43222.56	43222.43	.12	-43248.57	43248.38	.18
9	-43193.00	43192.88	.12	43218.82	43218.83	-.01	-43247.69	43247.55	.14
10	-43185.94	43186.00	-.07	-43214.78	43214.72	.06	43246.44	43246.37	.07
11	43178.70	43178.61	.09	43210.26	43210.26	-.01	-43244.93	43244.78	.14
12	-43170.94	43170.88	.06	-43205.44	43205.40	.04	43242.83	43242.73	.10
13	43162.72	43162.74	-.02	43200.14	43200.07	.07	43240.34	43240.35	-.01
14	43154.29	43154.15	.14	-43194.36	43194.43	-.07	43237.59	43237.48	.12
15	43145.34	43145.23	.11	43188.23	43188.28	-.04	-43234.33	43234.20	.13
16	43135.90	43135.81	.09	43181.86	43181.73	.13	43230.44	43230.54	-.10
17	43126.03	43126.00	.03	43174.84	43174.81	.03	43226.53	43226.48	.05
18	43115.87	43115.82	.05	43167.38	43167.49	-.11	-43221.77	43221.94	-.17
19	43105.28	43105.23	.05	43159.66	43159.68	-.03	-43216.80	43216.99	-.19
20	-43094.24	43094.17	.07	-43151.57	43151.48	.09	-43211.53	43211.66	-.13
21	43082.77	43082.71	.05	43142.99	43142.89	.10	43205.85	43205.86	-.01
22	43070.98	43070.87	.11	43133.86	43133.84	.01	-43199.52	43199.64	-.12
23	43058.70	43058.58	.13	-43124.49	43124.38	.11	-43193.00	43193.06	-.06
24	43046.01	43045.87	.15	-43114.64	43114.55	.09	-43185.94	43185.95	-.01
25	43032.79	43032.80	-.00	43104.32	43104.20	.12	43177.51	43177.40	.12
26	43019.27	43019.21	.06	43093.55	43093.57	-.02	-43170.94	43170.72	.22
27	43004.22	43004.18	.03	43082.23	43082.49	-.27	43162.40	43162.03	.37
28	42991.23	42991.04	.19	43070.53	43070.58	-.06	43153.83	-43153.71	.12
29	42976.27	42975.90	.37	43056.28	-43056.27	.00	43144.50	-43144.46	.03
30	42961.02	42961.13	-.11	43046.88	-43046.88	-.00	43134.72	-43134.72	-.01
31	42945.41	-42945.45	-.04	43033.94	-43033.95	-.00	-43124.49	-43124.15	.34
32	42929.29	-42929.28	.01	43020.48	-43020.48	-.00	-43114.64	-43114.47	.17
33	42912.28	-42912.28	-.00	43006.11	-43006.10	-.00	43103.24	-43103.24	-.00
34	42896.19	-42896.20	-.00	42993.00	-42993.00	-.00	43091.26	-43091.24	.02
35	42878.57	-42878.57	-.00	42978.10	-42978.10	-.00	43081.52	-43081.51	.01
36	42860.14	-42860.17	-.03	42963.50	-42963.50	-.00	43068.36	-43068.35	.01
37	42844.05	-42844.06	-.01	42947.56	-42947.56	-.00	43055.17	-43055.11	.05
38	42824.53	-42824.54	-.01	42930.21	-42930.21	-.00	43045.66	-43045.67	-.00
39	42804.89	-42804.94	-.05	42918.70	-42918.70	-.00	43029.23	-43029.23	-.00
40	-42788.81	-42789.15	-.33	42899.39	-42899.39	-.00	43014.90	-43014.90	.00
41	0.00	-42766.38	0.00	42881.61	-42881.62	-.00	42999.10	-42999.10	.00
42	0.00	-42745.72	0.00	42861.94	-42861.94	-.00	42986.31	-42986.31	.00
43	0.00	-42723.61	0.00	42846.92	-42846.92	-.00	42970.47	-42970.47	.00
44	0.00	-42704.52	0.00	42828.00	-42828.00	-.00	42954.46	-42954.45	.00
45	0.00	-42682.40	0.00	42808.84	-42808.84	-.00	42938.19	-42938.19	.00
46	0.00	-42660.11	0.00	-42788.81	-42788.81	-.00	42922.05	-42922.05	.00

Table 3. (Cont.)

## X17 - A 8

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	42751.46	42751.52	-.05
1	0.00	0.00	0.00	42747.62	42748.27	-.65	42753.87	42753.96	-.09
2	-42739.99	42741.77	-.78	-42746.40	42747.46	-1.06	42756.10	42755.96	.14
3	42736.84	42737.71	-.86	42745.60	42746.21	-.60	-42757.95	42757.48	.48
4	-42732.82	42733.21	-.39	42744.31	42744.48	-.17	-42759.19	42758.64	.55
5	42728.17	42728.23	-.06	42742.34	42742.39	-.04	-42759.71	42759.34	.37
6	42722.84	42722.89	-.05	42739.99	42739.84	.15	-42759.71	42759.60	.11
7	42717.12	42717.09	.02	-42736.84	42736.85	-.01	-42759.71	42759.48	.22
8	42711.04	42710.86	.17	42733.45	42733.49	-.04	-42759.19	42758.88	.31
9	-42704.24	42704.26	-.02	42729.69	42729.65	.04	-42757.95	42757.92	.04
10	42697.76	42697.17	.60	42725.46	42725.44	.02	42756.46	42756.51	-.05
11	42689.83	42689.71	.11	42720.81	42720.78	.02	42754.71	42754.66	.05
12	42681.94	42681.82	.12	42715.73	42715.70	.03	42752.43	42752.38	.05
13	42673.66	42673.50	.16	42710.18	42710.18	.00	42749.73	42749.69	.04
14	42664.73	42664.74	-.01	-42704.24	42704.25	-.01	-42746.40	42746.53	-.13
15	42655.73	42655.57	.16	42697.24	42697.68	-.44	42742.99	42742.86	.13
16	42645.85	42645.94	-.09	42693.53	42693.43	.10	42738.86	42738.65	.20
17	42635.85	42635.82	.04	-42684.28	42686.63	-2.34	-42732.82	42732.75	.07
18	42625.22	42625.15	.07	42676.55	42676.51	.04	42730.61	42730.69	-.08
19	42612.86	42612.79	.07	42668.31	42668.38	-.07	42724.79	42724.91	-.12
20	42604.26	42604.29	-.03	-42659.45	42660.10	-.65	42719.15	42719.09	.06
21	42591.96	42592.06	-.11	42652.16	42651.05	1.11	42712.93	42712.84	.09
22	-42579.85	42579.81	.04	42641.76	42641.60	.17	42705.96	42705.96	.01
23	42567.16	42567.13	.02	42631.53	42631.49	.03	42702.22	42702.18	.03
24	42553.78	42553.82	-.04	42624.61	42624.51	.10	42692.59	42692.52	.07
25	42543.26	42543.63	-.38	42611.08	42611.64	-.56	-42684.28	42684.19	.09
26	42527.57	42527.56	.00	42600.15	42600.15	-.00	42674.79	42674.78	.00
27	42512.84	42512.83	.00	42587.62	42587.62	-.00	42670.28	42670.17	.11
28	-42497.14	42497.03	.11	-42579.85	42579.85	-.00	-42659.45	42659.35	.10
29	42485.92	42486.03	-.11	42565.66	42565.66	-.00	-42648.04	42648.04	-.00
30	42468.83	42468.83	-.00	42550.58	42550.58	-.00	42639.08	42639.08	-.00
31	0.00	-42451.16	0.00	42538.98	42538.98	-.00	42628.59	42628.59	-.00
32	0.00	-42435.84	0.00	42525.19	42525.18	.00	-42617.67	42617.67	.00
33	0.00	-42419.00	0.00	42510.64	42510.64	.00	42605.45	42605.45	.00
34	0.00	-42401.74	0.00	-42497.14	42497.14	-.00	42594.09	42594.09	.00
35	0.00	-42383.18	0.00	42481.69	42481.68	.00	42581.49	42581.49	-.00
36	0.00	-42365.50	0.00	42465.99	42465.98	.00	42568.62	42568.62	-.00
37	0.00	-42346.60	0.00	0.00	-42449.60	0.00	42555.21	42555.21	-.00

## X19 - A 9

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-40575.52	40575.99	-.46
1	0.00	0.00	0.00	0.00	40572.81	0.00	-40578.04	40578.33	-.29
2	-40567.15	40566.44	.70	-40572.63	40571.96	.67	-40580.01	40580.26	-.25
3	40563.13	40562.42	.70	40571.27	40570.72	.55	-40581.66	40581.89	-.23
4	40558.15	40558.00	.15	-40569.21	40569.17	.04	-40582.84	40583.03	-.20
5	40553.36	40553.27	.09	-40567.15	40567.13	.01	-40583.80	40583.85	-.05
6	40548.09	40548.05	.04	40564.68	40564.77	-.09	-40584.28	40584.19	.09
7	40542.62	40542.52	.10	-40561.89	40561.94	-.05	-40584.28	40584.16	.13
8	-40536.56	40536.50	.06	40558.71	40558.72	-.02	-40583.80	40583.72	.08
9	40530.16	40530.12	.04	40555.14	40555.12	.02	-40582.84	40582.95	-.11
10	40523.35	40523.33	.02	40551.03	40551.16	-.14	-40581.66	40581.66	-.00
11	40516.09	40516.21	-.12	-40546.57	40546.71	-.14	-40580.01	40580.03	-.02
12	40508.56	40508.58	-.02	40541.99	40541.90	.08	-40578.04	40577.99	.04
13	40500.64	40500.61	.03	-40536.56	40536.70	-.14	40575.52	40575.52	.01
14	40492.32	40492.24	.09	40531.09	40531.06	.03	-40572.63	40572.67	-.04
15	40483.49	40483.43	.06	40525.01	40525.04	-.03	-40569.21	40569.43	-.22
16	40474.23	40474.25	-.02	40518.57	40518.64	-.07	40565.75	40565.78	-.03
17	40464.66	40464.69	-.03	40511.78	40511.83	-.05	-40561.89	40561.68	.21
18	40454.80	40454.72	.07	40504.57	40504.57	.00	40557.22	40557.22	-.00
19	40444.30	40444.31	-.01	40497.00	40496.96	.04	40552.31	40552.32	-.01
20	40433.58	40433.54	.04	-40488.96	40488.90	.06	-40546.57	40547.00	-.44
21	40422.38	40422.34	.05	-40480.52	40480.44	.09	40541.19	40541.27	-.08
22	40410.73	40410.72	.01	40471.59	40471.55	.04	40535.09	40535.11	-.03
23	40398.52	40398.70	-.18	40462.35	40462.26	.09	40528.56	40528.58	-.02
24	40386.26	40386.26	.00	40452.67	40452.58	.09	40521.71	40521.60	.11
25	40373.39	40373.45	-.06	40442.41	40442.47	-.06	40514.28	40514.25	.03
26	40360.51	40360.21	.31	40431.94	40431.99	-.05	40506.21	40506.41	-.20
27	40346.16	40346.59	-.44	40420.94	40421.01	-.07	40498.17	40498.09	.07
28	0.00	40332.50	0.00	40409.68	40409.58	.11	-40488.96	40489.80	-.84
29	0.00	40317.94	0.00	40397.54	40398.16	-.62	-40480.52	40480.52	.00
30	0.00	40303.40	0.00	40385.79	40385.79	-.00	40470.61	40470.60	.00
31	0.00	-40287.90	0.00	40373.10	40373.11	-.00	40460.71	40460.71	.00
32	0.00	-40271.76	0.00	40359.97	40359.97	.00	0.00	-40450.15	0.00
33	0.00	-40255.66	0.00	40346.08	40346.08	-.00	0.00	0.00	0.00

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Table 3. (Cont.)

## X20 - A10

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	-40094.25	40094.21	.04
1	0.00	0.00	0.00	40091.15	40091.07	.08	-40096.81	40096.59	.22
2	-40085.37	40084.77	.59	40090.28	40090.29	-.02	-40098.56	40098.42	.13
3	40080.85	40080.86	-.01	40089.04	40088.99	.05	-40100.01	40099.97	.04
4	-40076.62	40076.41	.21	40087.47	40087.39	.08	-40101.17	40101.06	.11
5	40071.83	40071.66	.17	-40085.37	40085.33	.04	-40101.73	40101.73	-.00
6	40066.30	40066.46	-.16	40082.89	40082.86	.03	40101.94	40102.00	-.06
7	40060.87	40060.85	.02	40079.88	40079.99	-.11	-40101.73	40101.80	-.07
8	-40054.80	40054.84	-.04	-40076.62	40076.65	-.03	-40101.17	40101.21	-.04
9	-40048.38	40048.35	.03	-40072.84	40072.91	-.07	-40101.17	40100.14	1.03
10	-40041.49	40041.48	.01	40068.69	40068.71	-.02	-40100.01	40098.71	1.30
11	40034.72	40034.14	.58	40064.18	40064.14	.04	-40096.81	40096.83	-.02
12	40027.24	40026.43	.81	40059.15	40059.12	.03	-40094.25	40094.47	-.22
13	-40018.42	40018.28	.14	40053.67	40053.72	-.05	40091.44	40091.62	.18
14	40009.68	40009.66	.02	40047.92	40047.82	.10	40087.92	40087.83	.09
15	40000.62	40000.54	.08	-40041.49	40041.52	-.03	40086.52	40086.68	-.17
16	39990.47	39990.49	-.02	-40034.20	40034.65	-.45	40081.92	40081.91	.01
17	39983.15	39983.10	.06	-40026.42	40027.10	-.68	40078.16	40077.28	.88
18	39972.12	39972.08	.05	40017.49	40027.05	-9.55	-40072.84	40072.21	.63
19	39961.21	39961.20	.01	40014.63	40014.60	.04	40067.26	40066.12	1.14
20	39949.89	39949.89	-.00	40005.39	40005.40	-.01	40062.08	40060.57	1.51
21	39937.51	39937.57	-.06	39996.25	39996.33	-.07	-40054.80	40056.92	-2.12
22	39926.11	39925.79	.31	39986.81	39986.88	-.07	-40048.38	40049.65	-1.27
23	39913.01	39915.92	-.29	39977.84	39977.79	.05	-40041.49	40042.58	-1.09
24	0.00	39902.44	0.00	39967.39	39967.31	.08	-40034.20	40035.01	-.81
25	0.00	39889.16	0.00	39956.87	39956.75	.11	-40026.42	40027.09	-.67
26	0.00	39875.40	0.00	39945.76	39945.74	.02	-40018.42	40018.59	-.17
27	0.00	39861.29	0.00	39934.15	39934.14	.01	40006.89	-40006.63	.26
28	0.00	39846.60	0.00	39922.73	-39920.46	2.27	0.00	-40000.98	0.00

## X21 - A10

J	P(OBS)	P(CALC)	O-C	Q(OBS)	Q(CALC)	O-C	R(OBS)	R(CALC)	O-C
0	0.00	0.00	0.00	0.00	0.00	0.00	38465.71	38466.29	-.58
1	0.00	0.00	0.00	38463.25	38463.18	.07	38468.74	38468.70	.04
2	38457.07	38456.96	.11	-38462.75	38462.48	.27	38470.65	38470.61	.04
3	-38453.03	38453.15	-.12	38461.28	38461.28	.00	-38472.67	38472.26	.41
4	38448.96	38448.83	.13	38459.78	38459.81	-.03	-38473.81	38473.48	.33
5	38444.32	38444.26	.06	38457.91	38457.93	-.02	-38473.81	38474.33	-.52
6	38439.40	38439.27	.13	-38455.63	38455.67	-.04	-38474.65	38474.81	-.16
7	-38433.87	38433.90	-.03	-38453.03	38453.04	-.01	-38474.65	38474.85	-.20
8	38428.21	38428.17	.04	38449.97	38449.98	-.01	-38474.65	38474.54	.11
9	38421.94	38422.00	-.06	-38446.51	38446.56	-.05	-38473.81	38473.79	.02
10	38415.35	38415.48	-.13	38442.69	38442.71	-.02	-38472.67	38472.71	-.04
11	38408.42	38408.52	-.10	38438.50	38438.52	-.02	38471.05	38471.21	-.16
12	38401.20	38401.23	-.03	-38433.87	38433.92	-.05	38469.26	38469.27	-.01
13	-38393.36	38393.53	.17	-38428.92	38428.97	-.05	38466.82	38466.87	-.05
14	38385.31	38385.40	-.09	-38423.59	38423.56	.03	38464.61	38463.57	1.03
15	-38376.48	38376.81	-.33	-38417.67	38417.79	-.12	-38462.75	38462.95	-.20
16	-38367.35	38367.32	.03	38411.35	38411.48	-.13	38458.65	38458.74	-.09
17	-38360.39	38360.51	-.12	38404.56	38404.51	.05	-38455.63	38454.69	.94
18	-38349.87	38350.12	-.25	38395.45	38405.09	-9.64	38451.51	38450.25	1.26
19	-38339.97	38339.91	.06	-38393.36	38393.31	.05	-38446.51	38444.83	1.68
20	38329.31	38329.30	.01	38384.82	38384.81	.01	38441.30	38439.98	1.32
21	38317.40	38317.71	-.31	-38376.48	38376.47	.01	38435.01	38437.06	-2.05
22	38305.74	38306.70	-.96	-38367.35	38367.79	-.44	-38428.92	38430.56	-1.64
23	0.00	38297.63	0.00	-38360.39	38359.50	.89	-38423.59	38424.29	-.70
24	0.00	38284.99	0.00	-38349.87	38349.86	.01	-38417.67	38417.56	.11
25	0.00	38272.59	0.00	-38339.97	38340.18	-.21	38409.70	38410.52	-.82
26	0.00	38259.73	0.00	38329.99	38330.07	-.08	38401.96	38402.92	-.96
27	0.00	38246.56	0.00	38319.51	38319.41	.10	38391.90	-38391.90	-.00
28	0.00	38232.85	0.00	38306.71	-38306.71	.00	38387.23	-38387.23	-.00
29	0.00	-38215.73	0.00	38297.63	-38297.63	.00	38379.10	-38379.10	-.00
30	0.00	-38204.96	0.00	38285.85	-38285.85	.00	38369.33	-38369.33	-.00
31	0.00	-38190.74	0.00	38273.49	-38273.49	.00	-38360.39	-38360.39	-.00
32	0.00	-38174.89	0.00	38262.12	-38262.12	.00	-38349.87	-38349.87	-.00
33	0.00	-38159.88	0.00	38248.77	-38248.77	.00	-38339.97	-38339.97	-.00
34	0.00	-38143.30	0.00	38234.66	-38234.66	.00	0.00	0.00	0.00

Table 4. Energy levels for the A<sup>1</sup> $\Pi$  state. Levels preceded by a minus sign are uncertain. A suffix B indicates that the level was derived from blends and the single digit indicates the number of lines used in the derivation. The levels not preceded by a minus sign are derived from Simmons, Bass, and Tilford (1969). The levels suffixed by a G are derived from Gero (1936). The higher J levels are extrapolated using the rotational constants given in Table 5.

J	A 0C	A 0D	A 1C	A 1D	A 2C	A 2D	A 3C	A 3D
1	64747.94 4	64747.99 1	66236.14 3	66236.14 3	67678.77 3	67678.77 3	69091.56 2	69091.56 2
2	64754.37 1	64754.32 3	66242.32 3	66242.32 3	67685.04 3	67685.04 3	69097.61 2	69097.61 2
3	64763.89 2	64763.91 2	66251.39 2	66251.39 2	67694.36 3	67694.36 3	69106.89 2	69106.89 2
4	64776.62 1	64776.63 2	66263.68 2	66263.68 2	67707.00 2	67707.00 2	69119.07 2	69119.07 2
5	64792.45 3	64792.56 2	66279.21 2	66279.21 2	67722.38 1	67722.38 1	69134.44 1	69134.44 1
6	64811.50 1	64811.74 2	66297.83 2	66297.83 2	67741.11 3	67741.11 3	69152.88 2	69152.88 2
7	64833.36 3	64833.85 2	66319.74 2	66319.74 2	67762.79 3	67762.79 3	69174.33 2	69174.33 2
8	64857.92 3	64859.17 1	66344.57 3	66344.57 3	67787.74 3	67787.74 3	69198.87 1	69198.87 1
9	64884.23 4	64887.55 2	66372.80 3	66372.80 3	67815.80 3	67815.80 3	69226.44 2	69226.44 2
10	64925.06 3	64918.76 2	66404.08 3	66404.08 3	67846.91 3	67846.91 3	69257.00 2	69257.00 2
11	64958.66 3	64952.50 2	66438.68 3	66438.68 3	67881.14 1	67881.14 1	69290.86 3	69290.86 3
12	64996.28 3	64987.97 2	66476.36 3	66476.36 3	67918.53 2	67918.53 2	69327.65 2	69327.65 2
13	65037.33 2	65043.36 2	66517.23 3	66517.23 3	67958.92 2	67958.92 2	69367.47 3	69367.47 3
14	65081.55 2	65086.14 2	66561.33 3	66561.33 3	68002.45 1	68002.45 1	69410.31 2	69410.31 2
15	65128.48 4	65132.99 2	66608.55 3	66608.55 3	68049.05 2	68049.05 2	69456.30 2	69456.30 2
16	65177.35 4	65183.54 2	66658.89 2	66658.89 2	68098.81 3	68098.81 3	69505.24 2	69505.24 2
17	65240.13 3	65237.52 2	66712.43 2	66712.43 2	68151.60 3	68151.60 3	69557.28 2	69557.28 2
18	65296.00 4	65294.76 2	66769.13 1	66769.13 1	68207.50 2	68207.50 2	69612.40 3	69612.40 3
19	65355.93 3	65355.27 2	66828.93 3	66828.93 3	68266.47 2	68266.47 2	69670.45 3	69670.45 3
20	65419.39 2	65418.94 2	66891.89 3	66891.89 3	68328.52 2	68328.52 2	69731.61 2	69731.61 2
21	65486.21 2	65485.92 1	66957.94 2	66958.05 1	68393.58 1	68393.68 1	69795.77 3	69795.77 3
22	65556.25 2	65556.07 2	67027.19 2	67026.98 1	68461.70 2	68461.84 1	69862.98 3	69862.98 3
23	65629.47 1	65629.35 2	67099.40 2	67098.96 1	68532.82 2	68533.04 1	69933.18 3	69933.18 3
24	65705.80 1	65705.78 2	67174.71 2	67175.21 1	68606.68 2	68607.36 1	70006.40 3	70006.40 3
25	65785.26 1	65785.26 2	67252.89 2	67253.32 1	68681.74 2	68684.59 1	70082.63 3	70082.63 3
26	65867.69 1	65867.70 1	67332.69 2	67335.72 1	68767.21 2	68764.77 1	70161.96 3	70161.96 3
27	65952.05 1	65950.98 1	67420.14 1	67420.14 1	68849.89 2	68847.58 1	70244.04 2	70244.04 2
28	66043.19 1	66043.19 1	67507.83 1	67507.83 1	68936.11 2	68931.56 1	70329.35 2	70327.86 1
29	66134.51 1	66134.51 1	67601.44 1	67601.44 1	69025.58 2	69029.13 1	70417.41 2	70418.18 1
30	-66232.05	-66232.05	67693.05 1	67693.05 1	69117.82 1	69119.99 1	70509.21 1	70509.21 1
31	-66330.63	-66330.63	-67790.08	-67790.08	69214.99 1	69214.99 1	-70603.37	-70603.37
32	-66432.34	-66432.34	-67890.31	-67890.31	69313.51 1	69313.51 1	-70700.60	-70700.60
33	-66537.16	-66537.16	-67993.62	-67993.62	-69414.70	-69414.70	-70800.81	-70800.81
34	-66645.09	-66645.09	-68099.99	-68099.99	-69519.48	-69519.48	-70903.98	-70903.98
35	-66756.13	-66756.13	-68209.41	-68209.41	-69627.26	-69627.26	-71010.11	-71010.11
36	-66870.26	-66870.26	-68321.88	-68321.88	-69738.04	-69738.04	-71119.19	-71119.19
37	-66987.48	-66987.48	-68437.40	-68437.40	-69851.82	-69851.82	-71231.22	-71231.22
38	-67107.78	-67107.78	-68555.95	-68555.95	-69968.59	-69968.59	-71346.19	-71346.19
39	-67231.17	-67231.17	-68677.54	-68677.54	-70088.34	-70088.34	-71464.09	-71464.09
40	-67357.62	-67357.62	-68802.14	-68802.14	-70211.06	-70211.06	-71584.92	-71584.92
41	-67487.14	-67487.14	-68929.77	-68929.77	-70336.75	-70336.75	-71708.66	-71708.66
42	-67619.71	-67619.71	-69060.40	-69060.40	-70465.41	-70465.41	-71835.32	-71835.32
43	-67755.33	-67755.33	-69194.03	-69194.03	-70597.01	-70597.01	-71964.88	-71964.88
44	-67893.99	-67893.99	-69330.66	-69330.66	-70731.56	-70731.56	-72097.33	-72097.33
45	-68035.69	-68035.69	-69470.27	-69470.27	-70869.04	-70869.04	-72232.67	-72232.67
46	-68180.41	-68180.41	-69612.85	-69612.85	-71009.45	-71009.45	-72370.89	-72370.89
47	-68328.14	-68328.14	-69758.41	-69758.41	-71152.79	-71152.79	-72511.98	-72511.98
48	-68478.89	-68478.89	-69906.93	-69906.93	-71299.03	-71299.03	-72655.93	-72655.93
49	-68632.64	-68632.64	-70058.40	-70058.40	-71448.17	-71448.17	-72802.73	-72802.73
50	-68789.38	-68789.38	-70212.81	-70212.81	-71600.21	-71600.21	-72952.38	-72952.38
51	-68949.10	-68949.10	-70370.15	-70370.15	-71755.14	-71755.14	-73104.86	-73104.86
52	-69111.79	-69111.79	-70530.42	-70530.42	-71912.93	-71912.93	-73260.16	-73260.16
53	-69277.45	-69277.45	-70693.61	-70693.61	-72073.60	-72073.60	-73418.28	-73418.28
54	-69446.06	-69446.06	-70859.70	-70859.70	-72237.12	-72237.12	-73579.20	-73579.20
55	-69617.62	-69617.62	-71028.69	-71028.69	-72403.49	-72403.49	-73742.92	-73742.92
56	-69792.12	-69792.12	-71200.57	-71200.57	-72572.69	-72572.69	-73909.42	-73909.42
57	-69969.54	-69969.54	-71375.32	-71375.32	-72744.72	-72744.72	-74078.70	-74078.70
58	-70149.88	-70149.88	-71552.94	-71552.94	-72919.56	-72919.56	-74250.74	-74250.74
59	-70333.12	-70333.12	-71733.41	-71733.41	-73097.21	-73097.21	-74425.53	-74425.53
60	-70519.26	-70519.26	-71916.73	-71916.73	-73277.65	-73277.65	-74603.07	-74603.07
61	-70708.28	-70708.28	-72102.89	-72102.89	-73460.88	-73460.88	-74783.34	-74783.34
62	-70900.17	-70900.17	-72291.87	-72291.87	-73646.88	-73646.88	-74966.32	-74966.32
63	-71094.93	-71094.93	-72483.66	-72483.66	-73835.64	-73835.64	-75152.02	-75152.02
64	-71292.54	-71292.54	-72678.25	-72678.25	-74027.14	-74027.14	-75340.41	-75340.41
65	-71492.99	-71492.99	-72875.63	-72875.63	-74221.39	-74221.39	-75531.48	-75531.48

Table 4. (Cont.)

J	A 0C	A 0D	A 1C	A 1D	A 2C	A 2D	A 3C	A 3D
66	-71696.27	-71696.27	-73075.79	-73075.79	-74418.36	-74418.36	-75725.23	-75725.23
67	-71902.36	-71902.36	-73278.71	-73278.71	-74618.05	-74618.05	-75921.64	-75921.64
68	-72111.26	-72111.26	-73484.39	-73484.39	-74820.44	-74820.44	-76120.70	-76120.70
69	-72322.96	-72322.96	-73692.81	-73692.81	-75025.52	-75025.52	-76322.39	-76322.39
70	-72537.43	-72537.43	-73903.96	-73903.96	-75233.27	-75233.27	-76526.71	-76526.71
71	-72754.67	-72754.67	-74117.83	-74117.83	-75443.69	-75443.69	-76733.63	-76733.63
72	-72974.67	-72974.67	-74334.40	-74334.40	-75656.76	-75656.76	-76943.15	-76943.15
73	-73197.41	-73197.41	-74553.66	-74553.66	-75872.46	-75872.46	-77155.26	-77155.26
74	-73422.88	-73422.88	-74775.60	-74775.60	-76090.80	-76090.80	-77369.93	-77369.93
75	-73651.07	-73651.07	-75000.21	-75000.21	-76311.74	-76311.74	-77587.16	-77587.16
76	-73881.96	-73881.96	-75227.47	-75227.47	-76535.28	-76535.28	-77806.93	-77806.93
77	-74115.54	-74115.54	-75457.36	-75457.36	-76761.40	-76761.40	-78029.23	-78029.23
78	-74351.80	-74351.80	-75689.88	-75689.88	-76990.10	-76990.10	-78254.05	-78254.05
79	-74590.72	-74590.72	-75925.01	-75925.01	-77221.35	-77221.35	-78481.36	-78481.36
80	-74832.30	-74832.30	-76162.73	-76162.73	-77455.14	-77455.14	-78711.16	-78711.16
81	-75076.50	-75076.50	-76403.04	-76403.04	-77691.45	-77691.45	-78943.43	-78943.43
82	-75323.33	-75323.33	-76645.91	-76645.91	-77930.28	-77930.28	-79178.15	-79178.15
83	-75572.76	-75572.76	-76891.33	-76891.33	-78171.61	-78171.61	-79415.31	-79415.31
84	-75824.78	-75824.78	-77139.30	-77139.30	-78415.41	-78415.41	-79654.89	-79654.89
85	-76079.38	-76079.38	-77389.78	-77389.78	-78661.69	-78661.69	-79896.89	-79896.89
86	-76336.54	-76336.54	-77642.77	-77642.77	-78910.41	-78910.41	-80141.28	-80141.28
87	-76596.24	-76596.24	-77898.25	-77898.25	-79161.57	-79161.57	-80388.04	-80388.04
88	-76858.48	-76858.48	-78156.21	-78156.21	-79415.15	-79415.15	-80637.17	-80637.17
89	-77123.23	-77123.23	-78416.63	-78416.63	-79671.13	-79671.13	-80888.63	-80888.63
90	-77390.48	-77390.48	-78679.49	-78679.49	-79929.50	-79929.50	-81142.43	-81142.43
91	-77660.22	-77660.22	-78944.78	-78944.78	-80190.24	-80190.24	-81398.54	-81398.54
92	-77932.42	-77932.42	-79212.48	-79212.48	-80453.33	-80453.33	-81656.94	-81656.94
93	-78207.07	-78207.07	-79482.58	-79482.58	-80718.76	-80718.76	-81917.62	-81917.62
94	-78484.15	-78484.15	-79755.05	-79755.05	-80986.51	-80986.51	-82180.57	-82180.57
95	-78763.66	-78763.66	-80029.89	-80029.89	-81256.57	-81256.57	-82445.75	-82445.75
96	-79045.56	-79045.56	-80307.07	-80307.07	-81528.91	-81528.91	-82713.16	-82713.16
97	-79329.85	-79329.85	-80586.58	-80586.58	-81803.52	-81803.52	-82982.77	-82982.77
98	-79616.50	-79616.50	-80868.39	-80868.39	-82080.38	-82080.38	-83254.58	-83254.58
99	-79905.51	-79905.51	-81152.50	-81152.50	-82359.47	-82359.47	-83528.56	-83528.56
100	-80196.84	-80196.84	-81438.89	-81438.89	-82640.78	-82640.78	-83804.69	-83804.69
101	-80490.49	-80490.49	-81727.53	-81727.53	-82924.28	-82924.28	-84082.95	-84082.95
102	-80786.44	-80786.44	-82018.41	-82018.41	-83209.97	-83209.97	-84363.33	-84363.33
103	-81084.66	-81084.66	-82311.51	-82311.51	-83497.81	-83497.81	-84645.81	-84645.81
104	-81385.15	-81385.15	-82606.81	-82606.81	-83787.79	-83787.79	-84930.36	-84930.36
105	-81687.87	-81687.87	-82904.29	-82904.29	-84079.90	-84079.90	-85216.98	-85216.98
106	-81992.82	-81992.82	-83203.94	-83203.94	-84374.11	-84374.11	-85505.63	-85505.63
107	-82299.98	-82299.98	-83505.73	-83505.73	-84670.40	-84670.40	-85796.30	-85796.30
108	-82609.31	-82609.31	-83809.65	-83809.65	-84968.76	-84968.76	-86088.97	-86088.97
109	-82920.82	-82920.82	-84115.67	-84115.67	-85269.16	-85269.16	-86383.62	-86383.62
110	-83234.47	-83234.47	-84423.78	-84423.78	-85571.58	-85571.58	-86680.23	-86680.23
111	-83550.25	-83550.25	-84733.96	-84733.96	-85876.01	-85876.01	-86978.78	-86978.78
112	-83868.13	-83868.13	-85046.18	-85046.18	-86182.43	-86182.43	-87279.25	-87279.25
113	-84188.10	-84188.10	-85360.44	-85360.44	-86490.81	-86490.81	-87581.61	-87581.61
114	-84510.14	-84510.14	-85676.69	-85676.69	-86801.13	-86801.13	-87885.85	-87885.85
115	-84834.23	-84834.23	-85994.94	-85994.94	-87113.37	-87113.37	-88191.95	-88191.95
116	-85160.35	-85160.35	-86315.15	-86315.15	-87427.52	-87427.52	-88499.88	-88499.88
117	-85488.47	-85488.47	-86637.30	-86637.30	-87743.55	-87743.55	-88809.62	-88809.62
118	-85818.58	-85818.58	-86961.38	-86961.38	-88061.43	-88061.43	-89121.16	-89121.16
119	-86150.65	-86150.65	-87287.37	-87287.37	-88381.15	-88381.15	-89434.46	-89434.46
120	-86484.67	-86484.67	-87615.23	-87615.23	-88702.69	-88702.69	-89749.52	-89749.52
121	-86820.61	-86820.61	-87944.95	-87944.95	-89026.03	-89026.03	0.00	0.00
122	-87158.45	-87158.45	-88276.51	-88276.51	-89351.13	-89351.13	0.00	0.00
123	-87498.17	-87498.17	-88609.89	-88609.89	-89677.99	-89677.99	0.00	0.00
124	-87839.74	-87839.74	-88945.06	-88945.06	0.00	0.00	0.00	0.00
125	-88183.16	-88183.16	-89282.00	-89282.00	0.00	0.00	0.00	0.00
126	-88528.39	-88528.39	-89620.69	-89620.69	0.00	0.00	0.00	0.00
127	-88875.41	-88875.41	-89961.11	-89961.11	0.00	0.00	0.00	0.00
128	-89224.19	-89224.19	0.00	0.00	0.00	0.00	0.00	0.00
129	-89574.73	-89574.73	0.00	0.00	0.00	0.00	0.00	0.00
130	-89926.98	-89926.98	0.00	0.00	0.00	0.00	0.00	0.00

Table 4. (Cont.)

J	A 4C	A 4D	A 5C	A 5D	A 6C	A 6D	A 7C	A 7D
1	70469.89	2	70469.89	2	71811.99B3	71811.99B3	73119.61	1
2	70475.79	1	70475.79	1	71818.01	2	71818.01	2
3	70484.82	2	70484.82	2	71826.96	2	71826.96	2
4	70496.81	2	70496.81	2	71838.82	1	71838.82	1
5	70511.83	1	70511.83	1	71853.69	2	71853.69	2
6	70529.91	2	70529.91	2	71871.54	2	71871.54	2
7	70551.05	3	70551.05	3	71892.38	2	71892.38	2
8	70575.10	2	70575.10	2	71916.17	2	71916.17	2
9	70602.34	2	70602.34	2	71942.88	3	71942.88	3
10	70632.40	3	70632.40	3	71972.63	3	71972.63	3
11	70665.57	2	70665.57	2	72005.28	2	72005.28	2
12	70701.96	1	70701.96	1	72040.93	2	72040.93	2
13	70740.93	3	70740.93	3	72079.56	2	72079.56	2
14	70783.23	2	70783.23	2	72121.13	2	72121.13	2
15	70828.32	3	70828.32	3	72165.69	2	72165.69	2
16	70876.58	2	70876.58	2	72213.15	2	72213.15	2
17	70927.80	3	70927.80	3	72263.59	1	72263.59	1
18	70982.03	2	70982.03	2	72316.94	2	72316.94	2
19	71039.24	3	71039.24	3	72373.22	2	72373.22	2
20	71099.41	3	71099.41	3	72432.46	3	72432.46	3
21	71162.65	2	71162.65	2	72494.69	3	72494.69	3
22	71228.78	1	71228.78	1	72559.81	2	72559.81	2
23	71297.70	3	71297.70	3	72627.88	2	72627.88	2
24	71370.02	3	71370.02	3	72698.82	3	72698.82	3
25	71445.11	3	71445.11	3	72772.73	3	72772.73	3
26	71523.14	3	71523.14	3	72849.51	3	72849.51	3
27	71604.13	2	71604.13	2	72929.22	1	72929.22	1
28	71688.17	1	71688.17	1	73011.64	1	73011.64	1
29	71775.01	1	71775.01	1	73097.39	1	73097.39	1
30	71864.83	1	71864.83	1	73185.24	1	73185.24	1
31	-71957.56G2	-71957.53G1	-73276.72G1	-73275.86G1	-74562.08G2	-74562.34G1	-75811.77G2	-75812.11G1
32	-72053.14G2	-72053.62G1	-73369.34G1	-73369.82G1	-74654.71G2	-74654.66G1	-75902.31G1	-75902.97G1
33	-72151.60G2	-72151.97G1	-73467.79G1	-73468.65G1	-74750.09G2	-74750.20G1	-75996.96G1	-75996.13G1
34	-72248.52G2	-72253.44G1	-73569.80G2	-73568.20G1	-74848.44G2	-74848.43G1	-76093.27G2	-76093.76G1
35	-72358.38G2	-72357.83G1	-73671.19G1	-73670.48G1	-74949.49G2	-74949.42G1	-76192.00G2	-76192.80G1
36	-72465.51G2	-72464.93G1	-73777.86G2	-73777.08G1	-75053.45G2	-75053.40G1	-76296.21G2	-76295.33G1
37	-72575.74G2	-72579.37G1	-73886.04G1	-73886.37G1	-75160.14G2	-75160.14G1	-76400.18G2	-76399.71G1
38	-72688.90G2	-72689.44G1	-73997.09G1	-73997.17G1	-75269.55G2	-75269.60G1	-76507.26G2	-76505.85G1
39	-72804.88G2	-72805.21G1	-74110.61G2	-74111.18G1	-75382.02G1	-75381.92G1	-76621.31G1	-76621.02G1
40	-72923.00G1	-72923.90G1	-74228.14G2	-74228.17G1	-75497.32G1	-75496.96G1	-76731.55G1	-76731.55G1
41	-73046.06G1	-73045.78G1	-74347.87G2	-74347.99G1	-75614.75G2	-75614.75G1	-76847.06G1	-76846.79G1
42	-73170.38G1	-73170.41G1	-74470.54G2	-74470.57G1	-75735.11G1	-75735.40G1	-76964.27G1	-76963.28G1
43	-73297.92G2	-73297.60G1	-74596.11G2	-74595.96G1	-75858.37G1	-75858.68G1	-77087.65G1	-77087.58G1
44	-73428.03G1	-73428.70G1	-74723.98G2	-74723.68G1	-75984.50G2	-75984.56G1	-77211.13G1	-77211.13G1
45	-73561.60G2	-73561.46G1	-74855.27G2	-74855.17G1	-76113.21G1	-76114.17G1	-77337.58G1	-77337.57G1
46	-73701.22G2	-73697.46G1	-74989.15G2	-74988.82G1	-76244.59G2	-76245.30G1	-77466.92G1	-77466.28G1
47	-73836.50G1	-73836.50G1	-75125.43G2	-75125.16G1	-76379.43G1	-76379.60G1	-77599.52G1	-77599.52G1
48	-73977.82G2	-73977.82G2	-75264.59G2	-75265.99G1	-76516.47G2	-76516.63G1	-77733.50	-77733.50
49	-74122.55G2	-74121.44G1	-75406.69G2	-75407.80G1	-76655.86G1	-76655.29G1	-77870.77	-77870.77
50	-74269.88G2	-74269.84G1	-75551.34G2	-75552.15G1	-76798.69G1	-76798.40G1	-78010.68	-78010.68
51	-74419.65G2	-74419.03G1	-75699.29G2	-75699.63G1	-76943.68G1	-76943.68G1	-78153.22	-78153.22
52	-74572.25G1	-74572.46G1	-75849.28G2	-75849.40G1	-77090.99G1	-77090.99G1	-78298.39	-78298.39
53	-74728.92G2	-74729.93G1	-76002.54G2	-76002.54G2	-77242.45G1	-77242.45G1	-78446.16	-78446.16
54	-74886.33G1	-74886.31G1	-76157.83G1	-76157.83G1	-77394.63G1	-77394.63G1	-78596.52	-78596.52
55	-75047.14	-75047.14	-76316.35	-76316.35	-77550.30G1	-77550.30G1	-78749.48	-78749.48
56	-75210.93	-75210.93	-76477.67G1	-76477.67G1	-77709.54G1	-77709.54G1	-78905.02	-78905.02
57	-75377.45	-75377.45	-76641.14	-76641.14	-77869.60	-77869.60	-79063.12	-79063.12
58	-75546.68	-75546.68	-76807.05G1	-76807.05G1	-78033.14	-78033.14	-79223.77	-79223.77
59	-75718.60	-75718.60	-76976.88G1	-76976.88G1	-78199.27	-78199.27	-79386.97	-79386.97
60	-75893.22	-75893.22	-77148.25	-77148.25	-78367.99	-78367.99	-79552.71	-79552.71
61	-76070.52	-76070.52	-77322.27G1	-77322.27G1	-78539.29	-78539.29	-79720.96	-79720.96
62	-76250.49	-76250.49	-77499.02G1	-77499.02G1	-78713.15	-78713.15	-79891.72	-79891.72
63	-76433.11	-76433.11	-77679.01	-77679.01	-78889.56	-78889.56	-80064.98	-80064.98
64	-76618.37	-76618.37	-77861.13	-77861.13	-79068.50	-79068.50	-80240.72	-80240.72
65	-76806.27	-76806.27	-78045.83	-78045.83	-79249.98	-79249.98	-80418.93	-80418.93

Table 4. (Cont.)

J	A 4C	A 4D	A 5C	A 5D	A 6C	A 6D	A 7C	A 7D
66	-76996.79	-76996.79	-78233.09	-78233.09	-79433.96	-79433.96	-80599.60	-80599.60
67	-77189.91	-77189.91	-78422.91	-78422.91	-79620.45	-79620.45	-80782.72	-80782.72
68	-77385.63	-77385.63	-78615.27	-78615.27	-79809.42	-79809.42	-80968.27	-80968.27
69	-77583.93	-77583.93	-78810.16	-78810.16	-80000.87	-80000.87	-81156.23	-81156.23
70	-77784.81	-77784.81	-79007.56	-79007.56	-80194.78	-80194.78	-81346.61	-81346.61
71	-77988.23	-77988.23	-79207.47	-79207.47	-80391.14	-80391.14	-81539.37	-81539.37
72	-78194.20	-78194.20	-79409.86	-79409.86	-80589.92	-80589.92	-81734.51	-81734.51
73	-78402.70	-78402.70	-79614.73	-79614.73	-80791.13	-80791.13	-81932.02	-81932.02
74	-78613.72	-78613.72	-79822.06	-79822.06	-80994.75	-80994.75	-82131.88	-82131.88
75	-78827.23	-78827.23	-80031.84	-80031.84	-81200.76	-81200.76	-82334.07	-82334.07
76	-79043.24	-79043.24	-80244.05	-80244.05	-81409.14	-81409.14	-82538.58	-82538.58
77	-79261.72	-79261.72	-80458.68	-80458.68	-81619.88	-81619.88	-82745.39	-82745.39
78	-79482.65	-79482.65	-80675.71	-80675.71	-81832.98	-81832.98	-82954.50	-82954.50
79	-79706.03	-79706.03	-80895.13	-80895.13	-82048.40	-82048.40	-83165.87	-83165.87
80	-79931.84	-79931.84	-81116.92	-81116.92	-82266.14	-82266.14	-83379.51	-83379.51
81	-80160.06	-80160.06	-81341.07	-81341.07	-82486.18	-82486.18	-83595.39	-83595.39
82	-80390.68	-80390.68	-81567.57	-81567.57	-82708.51	-82708.51	-83813.50	-83813.50
83	-80623.69	-80623.69	-81796.39	-81796.39	-82933.11	-82933.11	-84033.82	-84033.82
84	-80859.06	-80859.06	-82027.52	-82027.52	-83159.96	-83159.96	-84256.34	-84256.34
85	-81096.79	-81096.79	-82260.95	-82260.95	-83389.05	-83389.05	-84481.03	-84481.03
86	-81336.85	-81336.85	-82496.66	-82496.66	-83620.36	-83620.36	-84707.88	-84707.88
87	-81579.23	-81579.23	-82734.63	-82734.63	-83853.88	-83853.88	-84936.88	-84936.88
88	-81823.92	-81823.92	-82974.84	-82974.84	-84089.58	-84089.58	-85168.01	-85168.01
89	-82070.89	-82070.89	-83217.29	-83217.29	-84327.45	-84327.45	-85401.25	-85401.25
90	-82320.13	-82320.13	-83461.95	-83461.95	-84567.48	-84567.48	-85636.58	-85636.58
91	-82571.63	-82571.63	-83708.80	-83708.80	-84809.64	-84809.64	-85873.99	-85873.99
92	-82825.36	-82825.36	-83957.83	-83957.83	-85053.92	-85053.92	-86113.45	-86113.45
93	-83081.32	-83081.32	-84209.02	-84209.02	-85300.30	-85300.30	-86354.95	-86354.95
94	-83339.47	-83339.47	-84462.36	-84462.36	-85548.76	-85548.76	-86598.47	-86598.47
95	-83599.81	-83599.81	-84717.82	-84717.82	-85799.29	-85799.29	-86844.00	-86844.00
96	-83862.31	-83862.31	-84975.38	-84975.38	-86051.86	-86051.86	-87091.51	-87091.51
97	-84126.96	-84126.96	-85235.04	-85235.04	-86306.47	-86306.47	-87340.98	-87340.98
98	-84393.75	-84393.75	-85496.76	-85496.76	-86563.07	-86563.07	-87592.40	-87592.40
99	-84662.64	-84662.64	-85760.54	-85760.54	-86821.67	-86821.67	-87845.75	-87845.75
100	-84933.62	-84933.62	-86026.34	-86026.34	-87082.24	-87082.24	-88101.01	-88101.01
101	-85206.68	-85206.68	-86294.17	-86294.17	-87344.77	-87344.77	-88358.15	-88358.15
102	-85481.80	-85481.80	-86563.98	-86563.98	-87609.22	-87609.22	-88617.16	-88617.16
103	-85758.95	-85758.95	-86835.77	-86835.77	-87875.58	-87875.58	-88878.01	-88878.01
104	-86038.12	-86038.12	-87109.52	-87109.52	-88143.84	-88143.84	-89140.70	-89140.70
105	-86319.28	-86319.28	-87385.20	-87385.20	-88413.97	-88413.97	-89405.19	-89405.19
106	-86602.42	-86602.42	-87662.79	-87662.79	-88685.95	-88685.95	-89671.46	-89671.46
107	-86887.52	-86887.52	-87942.28	-87942.28	-88959.76	-88959.76	-89939.51	-89939.51
108	-87174.56	-87174.56	-88223.65	-88223.65	-89235.38	-89235.38	0.00	0.00
109	-87463.51	-87463.51	-88506.87	-88506.87	-89512.79	-89512.79	0.00	0.00
110	-87754.36	-87754.36	-88791.92	-88791.92	-89791.97	-89791.97	0.00	0.00
111	-88047.09	-88047.09	-89078.78	-89078.78	0.00	0.00	0.00	0.00
112	-88341.67	-88341.67	-89367.44	-89367.44	0.00	0.00	0.00	0.00
113	-88638.08	-88638.08	-89657.86	-89657.86	0.00	0.00	0.00	0.00
114	-88936.31	-88936.31	-89950.04	-89950.04	0.00	0.00	0.00	0.00
115	-89236.33	-89236.33	0.00	0.00	0.00	0.00	0.00	0.00
116	-89538.12	-89538.12	0.00	0.00	0.00	0.00	0.00	0.00
117	-89841.65	-89841.65	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 4. (Cont.)

J	A 8C	A 8D	A 9C	A 9D	A10C	A10D	A11C	A11D
1	75634.55 3	75634.55 3	76840.16 3	76840.16 3	78011.30 2	78011.30 2	79149.44 2	79149.44 2
2	75640.24 3	75640.24 3	76845.68 1	76845.68 1	78016.82 2	78016.82 2	79154.79 2	79154.79 2
3	75648.74B3	75648.74B3	76853.98 2	76853.98 2	78024.95 3	78024.95 3	79162.84 2	79162.84 2
4	75660.01 2	75660.01 2	76865.15 2	76865.15 2	78035.93 2	78035.93 2	79173.57 1	79173.57 1
5	75674.17 3	75674.17 3	76879.01 3	76879.01 3	78049.60 1	78049.60 1	79186.99 2	79186.99 2
6	75691.12 2	75691.12 2	76895.73 3	76895.73 3	78066.00 2	78066.00 2	79203.03 2	79203.03 2
7	75710.88 2	75710.88 2	76915.15 2	76915.15 2	78085.14 2	78085.14 2	79221.77 3	79221.77 3
8	75733.51 2	75733.51 2	76937.37 3	76937.37 3	78106.95 2	78106.95 2	79243.21 1	79243.21 1
9	75758.90 3	75758.90 3	76962.37 3	76962.37 3	78131.51 1	78131.51 1	79267.36 1	79267.36 1
10	75787.17 2	75787.17 2	76990.20 3	76990.20 3	78158.74 3	78158.74 3	79294.13 3	79294.13 3
11	75818.24 3	75818.24 3	77020.70 2	77020.70 2	78188.74 2	78188.74 2	79324.45 1	79324.45 1
12	75852.12 3	75852.12 3	77054.02 2	77054.02 2	78221.43 3	78221.43 3	79355.87 1	79355.87 1
13	75888.80 3	75888.80 3	77090.11 3	77090.11 3	78256.87 1	78256.87 1	79390.39 2	79390.39 2
14	75928.31 2	75928.31 2	77128.93 3	77128.93 3	78294.77 2	78294.77 2	79427.87 2	79427.87 2
15	75970.59 2	75970.42 1	77170.54 2	77170.54 2	78334.95 1	78335.75 1	79467.72 2	79467.72 2
16	76015.60 2	76018.08 1	77214.93 2	77214.93 2	78380.91 1	78379.11 1	79509.37 1	79509.37 1
17	76063.30 2	76066.41 1	77262.07 2	77262.07 2	78426.37 2	78424.91 1	79557.88 3	79557.88 3
18	76112.53 2	76114.66 1	77311.92 2	77311.92 2	78475.09 2	78481.34 1	79605.24 3	79605.24 3
19	76168.84 2	76168.12 1	77364.57 3	77364.57 3	78526.50 2	78528.49 1	79655.75 3	79655.75 3
20	76224.65 3	76224.65 3	77419.93 2	77419.93 2	78580.01 2	78582.01 1	79709.02 3	79709.02 3
21	76283.64 3	76283.64 3	77478.03 3	77478.03 3	78637.18 2	78638.77 1	79765.06 3	79765.06 3
22	76345.43 3	76345.43 3	77538.86 3	77538.86 3	78699.36 1	78698.27 1	79823.64 3	79823.64 3
23	76409.79 2	76409.79 2	77602.42 3	77602.42 3	78761.04 2	78761.23 1	79884.84 3	79884.84 3
24	76480.48 3	76480.48 3	77668.74 2	77668.74 2	78826.02 1	78825.91 1	79948.78 3	79948.78 3
25	76548.49 3	76548.49 3	77737.76 3	77737.76 3	78893.61 1	78893.61 1	80015.21 2	80015.21 2
26	-76621.04G1	-76621.08G1	77809.54 2	77809.54 2	78963.95 1	78963.95 1	80084.41 2	80084.41 2
27	-76695.71G1	-76695.83G1	77883.96 2	77883.96 2	79036.80 1	79036.80 1	80156.05 1	80156.05 1
28	-76778.38G2	-76778.53G1	77961.04 2	77961.04 2	-79109.29G1	-79110.66G1	-80230.60	-80230.60
29	-76858.03G1	-76858.01G1	78041.26 1	78041.26 1	-79191.18G1	-79191.19G1	-80307.56	-80307.56
30	-76940.39G1	-76939.78G1	-78123.62G1	-78123.65G1	-79272.66G1	-79272.07G1	-80387.12	-80387.12
31	-77028.28G1	-77028.21G1	-78208.46G1	-78208.83G1	-79355.55G1	-79355.41G1	-80469.26	-80469.26
32	-77117.82G1	-77117.62G1	-78296.43G1	-78296.67G1	-79442.31G1	-79442.78G1	-80553.98	-80553.98
33	-77210.11G1	-77209.46G1	-78386.85G1	-78386.85G1	-79530.53G1	-79531.20G1	-80641.27	-80641.27
34	-77304.27G1	-77305.51G1	-78480.54	-78480.54	-79622.40G1	-79621.89G1	-80731.12	-80731.12
35	-77402.46G1	-77402.77G1	-78576.46	-78576.46	-79717.01	-79717.01	-80823.54	-80823.54
36	-77502.58G1	-77502.94G1	-78675.03	-78675.03	-79813.80	-79813.80	-80918.51	-80918.51
37	-77605.58G1	-77605.58G1	-78776.25	-78776.25	-79913.18	-79913.18	-81016.01	-81016.01
38	-77711.19G1	-77711.19G1	-78880.10	-78880.10	-80015.15	-80015.15	-81116.06	-81116.06
39	-77819.83	-77819.83	-78986.59	-78986.59	-80119.70	-80119.70	-81218.63	-81218.63
40	-77930.95	-77930.95	-79095.70	-79095.70	-80226.82	-80226.82	-81323.72	-81323.72
41	-78044.74	-78044.74	-79207.43	-79207.43	-80336.51	-80336.51	-81431.33	-81431.33
42	-78161.19	-78161.19	-79321.76	-79321.76	-80448.75	-80448.75	-81541.43	-81541.43
43	-78280.29	-78280.29	-79438.69	-79438.69	-80563.54	-80563.54	-81654.03	-81654.03
44	-78402.04	-78402.04	-79558.21	-79558.21	-80680.86	-80680.86	-81769.11	-81769.11
45	-78526.42	-78526.42	-79680.32	-79680.32	-80800.72	-80800.72	-81886.67	-81886.67
46	-78653.42	-78653.42	-79804.99	-79804.99	-80923.09	-80923.09	-82006.70	-82006.70
47	-78783.04	-78783.04	-79932.23	-79932.23	-81047.98	-81047.98	-82129.18	-82129.18
48	-78915.26	-78915.26	-80062.02	-80062.02	-81175.36	-81175.36	-82254.10	-82254.10
49	-79050.08	-79050.08	-80194.35	-80194.35	-81305.24	-81305.24	-82381.46	-82381.46
50	-79187.49	-79187.49	-80329.22	-80329.22	-81437.59	-81437.59	-82511.25	-82511.25
51	-79327.47	-79327.47	-80466.61	-80466.61	-81572.42	-81572.42	-82643.46	-82643.46
52	-79470.02	-79470.02	-80606.51	-80606.51	-81709.70	-81709.70	-82778.06	-82778.06
53	-79615.13	-79615.13	-80748.91	-80748.91	-81849.43	-81849.43	-82915.06	-82915.06
54	-79762.78	-79762.78	-80893.81	-80893.81	-81991.60	-81991.60	-83054.45	-83054.45
55	-79912.97	-79912.97	-81041.18	-81041.18	-82136.20	-82136.20	-83196.20	-83196.20
56	-80065.68	-80065.68	-81191.03	-81191.03	-82283.21	-82283.21	-83340.32	-83340.32
57	-80220.90	-80220.90	-81343.33	-81343.33	-82432.63	-82432.63	-83486.78	-83486.78
58	-80378.62	-80378.62	-81498.08	-81498.08	-82584.44	-82584.44	-83635.58	-83635.58
59	-80538.84	-80538.84	-81655.26	-81655.26	-82738.63	-82738.63	-83786.70	-83786.70
60	-80701.53	-80701.53	-81814.87	-81814.87	-82895.18	-82895.18	-83940.13	-83940.13
61	-80866.69	-80866.69	-81976.88	-81976.88	-83054.09	-83054.09	-84095.86	-84095.86
62	-81034.30	-81034.30	-82141.30	-82141.30	-83215.35	-83215.35	-84253.88	-84253.88
63	-81204.35	-81204.35	-82308.10	-82308.10	-83378.93	-83378.93	-84414.17	-84414.17
64	-81376.83	-81376.83	-82477.27	-82477.27	-83544.83	-83544.83	-84576.72	-84576.72
65	-81551.73	-81551.73	-82648.80	-82648.80	-83713.03	-83713.03	-84741.52	-84741.52

Table 4. (Cont.)

J	A 8C	A 8D	A 9C	A 9D	A10C	A10D	A11C	A11C
66	-81729.03	-81729.03	-82822.68	-82822.68	-83883.53	-83883.53	-84908.55	-84908.55
67	-81908.72	-81908.72	-82998.89	-82998.89	-84056.30	-84056.30	-85077.79	-85077.79
68	-82090.79	-82090.79	-83177.42	-83177.42	-84231.33	-84231.33	-85249.24	-85249.24
69	-82275.22	-82275.22	-83358.25	-83358.25	-84408.62	-84408.62	-85422.88	-85422.88
70	-82462.00	-82462.00	-83541.38	-83541.38	-84588.14	-84588.14	-85598.70	-85598.70
71	-82651.11	-82651.11	-83726.79	-83726.79	-84769.87	-84769.87	-85776.68	-85776.68
72	-82842.55	-82842.55	-83914.45	-83914.45	-84953.82	-84953.82	-85956.80	-85956.80
73	-83036.29	-83036.29	-84104.37	-84104.37	-85139.95	-85139.95	-86139.05	-86139.05
74	-83232.32	-83232.32	-84296.52	-84296.52	-85328.26	-85328.26	-86323.42	-86323.42
75	-83430.63	-83430.63	-84490.89	-84490.89	-85518.73	-85518.73	-86509.89	-86509.89
76	-83631.20	-83631.20	-84687.46	-84687.46	-85711.35	-85711.35	-86698.45	-86698.45
77	-83834.02	-83834.02	-84886.22	-84886.22	-85906.09	-85906.09	-86889.07	-86889.07
78	-84039.08	-84039.08	-85087.15	-85087.15	-86102.95	-86102.95	-87081.74	-87081.74
79	-84246.34	-84246.34	-85290.23	-85290.23	-86301.90	-86301.90	-87276.45	-87276.45
80	-84455.81	-84455.81	-85495.46	-85495.46	-86502.94	-86502.94	-87473.18	-87473.18
81	-84667.46	-84667.46	-85702.81	-85702.81	-86706.04	-86706.04	-87671.91	-87671.91
82	-84881.28	-84881.28	-85912.27	-85912.27	-86911.18	-86911.18	-87872.63	-87872.63
83	-85097.26	-85097.26	-86123.82	-86123.82	-87118.36	-87118.36	-88075.31	-88075.31
84	-85315.36	-85315.36	-86337.45	-86337.45	-87327.55	-87327.55	-88279.94	-88279.94
85	-85535.59	-85535.59	-86553.13	-86553.13	-87538.74	-87538.74	-88486.51	-88486.51
86	-85757.92	-85757.92	-86770.85	-86770.85	-87751.91	-87751.91	-88694.99	-88694.99
87	-85982.33	-85982.33	-86990.59	-86990.59	-87967.03	-87967.03	-88905.37	-88905.37
88	-86208.81	-86208.81	-87212.34	-87212.34	-88184.10	-88184.10	-89117.63	-89117.63
89	-86437.33	-86437.33	-87436.08	-87436.08	-88403.10	-88403.10	-89331.74	-89331.74
90	-86667.89	-86667.89	-87661.78	-87661.78	-88624.00	-88624.00	-89547.70	-89547.70
91	-86900.47	-86900.47	-87889.43	-87889.43	-88846.79	-88846.79	-89765.48	-89765.48
92	-87135.04	-87135.04	-88119.02	-88119.02	-89071.45	-89071.45	-89985.07	-89985.07
93	-87371.58	-87371.58	-88350.52	-88350.52	-89297.96	-89297.96	0.00	0.00
94	-87610.09	-87610.09	-88583.91	-88583.91	-89526.30	-89526.30	0.00	0.00
95	-87850.53	-87850.53	-88819.18	-88819.18	-89756.45	-89756.45	0.00	0.00
96	-88092.89	-88092.89	-89056.30	-89056.30	-89988.39	-89988.39	0.00	0.00
97	-88337.16	-88337.16	-89295.27	-89295.27	0.00	0.00	0.00	0.00
98	-88583.31	-88583.31	-89536.04	-89536.04	0.00	0.00	0.00	0.00
99	-88831.32	-88831.32	-89778.62	-89778.62	0.00	0.00	0.00	0.00
100	-89081.17	-89081.17	0.00	0.00	0.00	0.00	0.00	0.00
101	-89332.85	-89332.85	0.00	0.00	0.00	0.00	0.00	0.00
102	-89586.33	-89586.33	0.00	0.00	0.00	0.00	0.00	0.00
103	-89841.59	-89841.59	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 4. (Cont.)

J	A12C	A12D	A13C	A13D	A14C	A14D	A15C	A15D
1	80253.03 3	80253.03 3	81322.76 2	81322.76 2	82356.95 1	82356.95 1	83355.68 2	83355.68 2
2	80258.34 2	80258.34 2	81327.98B3	81327.98B3	82361.83 1	82361.83 1	83360.48 2	83360.48 2
3	80266.23 1	80266.23 1	81335.62 2	81335.62 2	82369.40 2	82369.40 2	83367.69 2	83367.69 2
4	80276.74 3	80276.74 3	81345.93 2	81345.93 2	82379.63 2	82379.63 2	83377.69 3	83377.69 3
5	80289.85 3	80289.85 3	81358.80 3	81358.80 3	82392.28 2	82392.28 2	83389.71 1	83389.00 1
6	80305.68 3	80305.68 3	81374.28 2	81374.28 2	82407.45 2	82407.45 2	83403.92 2	83404.58 1
7	80324.08 2	80324.08 2	81392.28 3	81392.28 3	82425.22 3	82425.22 3	83422.70 2	83421.83 1
8	80345.08 2	80345.08 2	81412.92 2	81412.92 2	82445.42 3	82445.42 3	83442.20 2	83440.90 1
9	80368.78 3	80368.78 3	81436.05 3	81436.05 3	82468.10 2	82468.10 2	83464.30 2	83465.51 1
10	80395.06 3	80395.06 3	81461.84 3	81461.84 3	82493.31 3	82493.31 3	83488.89 2	83489.65 1
11	80423.97 3	80423.97 3	81490.16 3	81490.16 3	82521.14 3	82521.14 3	83515.59 2	83516.53 1
12	80455.51 3	80455.51 3	81521.11 3	81521.11 3	82551.29 3	82551.29 3	83546.44 1	83545.96 1
13	80489.63 3	80489.63 3	81554.54 3	81554.54 3	82584.11 3	82584.11 3	83578.13 1	83577.83 1
14	80526.37 3	80526.37 3	81590.68 3	81590.68 3	82619.41 3	82619.41 3	83612.59 1	83612.32 1
15	80565.73 3	80565.73 3	81629.17 3	81629.17 3	82657.21 2	82657.21 2	83649.52 2	83649.52 2
16	80607.73 2	80607.73 2	81670.30 3	81670.30 3	82697.51 3	82697.51 3	83688.89 2	83688.89 2
17	80652.25 2	80652.25 2	81713.99 3	81713.99 3	82740.31 3	82740.31 3	83730.90 3	83730.90 3
18	80699.54 2	80699.54 2	81760.21 3	81760.21 3	82785.69 3	82785.69 3	83775.14 3	83775.14 3
19	80749.18 1	80749.18 1	81809.03 3	81809.03 3	82833.50 3	82833.50 3	83821.86 3	83821.86 3
20	80801.77 1	80801.77 1	81860.32 3	81860.32 3	82883.48 2	82883.48 2	83870.99 3	83870.99 3
21	80856.41 1	80856.41 1	81914.15 3	81914.15 3	82936.30 2	82936.30 2	83922.50 3	83922.50 3
22	80913.91 1	80913.91 1	81970.93 3	81970.93 3	82991.22 2	82991.22 2	83976.54 2	83976.54 2
23	80973.96 1	80973.96 1	82029.60 3	82029.60 3	83049.43 1	83049.43 1	84032.95 2	84032.95 2
24	81036.99 1	81036.65 1	82090.90 3	82090.90 3	83109.45 1	83109.45 1	84091.80 2	84091.80 2
25	81102.64 1	81101.65 1	82154.64 2	82154.64 2	83172.02 1	83172.02 1	84153.08 1	84153.08 1
26	81170.06 1	81168.84 1	82221.87 1	82221.87 1	83237.05B2	83237.05B2	-84216.66	-84216.66
27	81240.94 1	81241.74 1	82290.48 2	82290.48 2	83304.59B2	83304.59B2	-84282.69	-84282.69
28	81313.16 2	81313.16 2	-82361.83	-82361.83	83375.05B1	83375.05B1	-84351.10	-84351.10
29	81388.22 1	81388.22 1	-82435.79	-82435.79	83447.49 1	83447.49 1	-84421.89	-84421.89
30	-81466.89	-81466.89	-82512.24	-82512.24	83522.62 1	83522.62 1	-84495.05	-84495.05
31	-81547.43	-81547.43	-82591.16	-82591.16	-83599.21	-83599.21	-84570.57	-84570.57
32	-81630.50	-81630.50	-82672.56	-82672.56	-83678.88	-83678.88	-84648.45	-84648.45
33	-81716.09	-81716.09	-82756.42	-82756.42	-83760.96	-83760.96	-84728.68	-84728.68
34	-81804.20	-81804.20	-82842.74	-82842.74	-83845.45	-83845.45	-84811.26	-84811.26
35	-81894.81	-81894.81	-82931.51	-82931.51	-83932.32	-83932.32	-84896.17	-84896.17
36	-81987.91	-81987.91	-83022.72	-83022.72	-84021.59	-84021.59	-84983.40	-84983.40
37	-82083.51	-82083.51	-83116.37	-83116.37	-84113.23	-84113.23	-85072.95	-85072.95
38	-82181.58	-82181.58	-83212.44	-83212.44	-84207.24	-84207.24	-85164.81	-85164.81
39	-82282.13	-82282.13	-83310.93	-83310.93	-84303.61	-84303.61	-85258.97	-85258.97
40	-82385.15	-82385.15	-83411.83	-83411.83	-84402.33	-84402.33	-85355.42	-85355.42
41	-82490.62	-82490.62	-83515.13	-83515.13	-84503.40	-84503.40	-85454.15	-85454.15
42	-82598.55	-82598.55	-83620.83	-83620.83	-84606.80	-84606.80	-85555.16	-85555.16
43	-82708.91	-82708.91	-83728.91	-83728.91	-84712.52	-84712.52	-85658.42	-85658.42
44	-82821.70	-82821.70	-83839.36	-83839.36	-84820.56	-84820.56	-85763.94	-85763.94
45	-82936.91	-82936.91	-83952.17	-83952.17	-84930.90	-84930.90	-85871.70	-85871.70
46	-83054.53	-83054.53	-84067.34	-84067.34	-85043.53	-85043.53	-85981.69	-85981.69
47	-83174.55	-83174.55	-84184.85	-84184.85	-85158.45	-85158.45	-86093.90	-86093.90
48	-83296.96	-83296.96	-84304.70	-84304.70	-85275.65	-85275.65	-86208.31	-86208.31
49	-83421.75	-83421.75	-84426.86	-84426.86	-85395.10	-85395.10	-86324.93	-86324.93
50	-83548.92	-83548.92	-84551.34	-84551.34	-85516.81	-85516.81	-86443.73	-86443.73
51	-83678.44	-83678.44	-84678.13	-84678.13	-85640.75	-85640.75	-86564.70	-86564.70
52	-83810.31	-83810.31	-84807.20	-84807.20	-85766.93	-85766.93	-86687.84	-86687.84
53	-83944.52	-83944.52	-84938.55	-84938.55	-85895.32	-85895.32	-86813.13	-86813.13
54	-84081.05	-84081.05	-85072.16	-85072.16	-86025.91	-86025.91	-86940.55	-86940.55
55	-84219.90	-84219.90	-85208.03	-85208.03	-86158.70	-86158.70	-87070.10	-87070.10
56	-84361.05	-84361.05	-85346.15	-85346.15	-86293.67	-86293.67	-87201.77	-87201.77
57	-84504.49	-84504.49	-85486.49	-85486.49	-86430.80	-86430.80	-87335.53	-87335.53
58	-84650.21	-84650.21	-85629.05	-85629.05	-86570.09	-86570.09	-87471.38	-87471.38
59	-84798.19	-84798.19	-85773.82	-85773.82	-86711.52	-86711.52	-87609.29	-87609.29
60	-84948.43	-84948.43	-85920.78	-85920.78	-86855.08	-86855.08	-87749.27	-87749.27
61	-85100.91	-85100.91	-86069.92	-86069.92	-87000.75	-87000.75	-87891.29	-87891.29
62	-85255.62	-85255.62	-86221.23	-86221.23	-87148.52	-87148.52	-88035.34	-88035.34
63	-85412.54	-85412.54	-86374.69	-86374.69	-87298.38	-87298.38	-88181.41	-88181.41
64	-85571.66	-85571.66	-86530.28	-86530.28	-87450.31	-87450.31	-88329.47	-88329.47
65	-85732.96	-85732.96	-86688.00	-86688.00	-87604.30	-87604.30	-88479.52	-88479.52

Table 4. (Cont.)

J	A12C	A12D	A13C	A13D	A14C	A14D	A15C	A15D
66	-85896.44	-85896.44	-86847.83	-86847.83	-87760.33	-87760.33	-88631.54	-88631.54
67	-86062.08	-86062.08	-87009.76	-87009.76	-87918.39	-87918.39	-88785.52	-88785.52
68	-86229.86	-86229.86	-87173.76	-87173.76	-88078.46	-88078.46	-88941.43	-88941.43
69	-86399.78	-86399.78	-87339.84	-87339.84	-88240.53	-88240.53	-89099.27	-89099.27
70	-86571.80	-86571.80	-87507.96	-87507.96	-88404.58	-88404.58	-89259.01	-89259.01
71	-86745.93	-86745.93	-87678.12	-87678.12	-88570.60	-88570.60	-89420.64	-89420.64
72	-86922.14	-86922.14	-87850.30	-87850.30	-88738.57	-88738.57	-89584.15	-89584.15
73	-87100.42	-87100.42	-88024.48	-88024.48	-88908.47	-88908.47	-89749.51	-89749.51
74	-87280.76	-87280.76	-88200.65	-88200.65	-89080.29	-89080.29	-89916.71	-89916.71
75	-87463.13	-87463.13	-88378.79	-88378.79	-89254.01	-89254.01	0.00	0.00
76	-87647.52	-87647.52	-88558.89	-88558.89	-89429.61	-89429.61	0.00	0.00
77	-87833.92	-87833.92	-88740.92	-88740.92	-89607.08	-89607.08	0.00	0.00
78	-88022.31	-88022.31	-88924.88	-88924.88	-89786.39	-89786.39	0.00	0.00
79	-88212.67	-88212.67	-89110.74	-89110.74	-89967.54	-89967.54	0.00	0.00
80	-88404.99	-88404.99	-89298.49	-89298.49	0.00	0.00	0.00	0.00
81	-88599.24	-88599.24	-89488.11	-89488.11	0.00	0.00	0.00	0.00
82	-88795.42	-88795.42	-89679.58	-89679.58	0.00	0.00	0.00	0.00
83	-88993.50	-88993.50	-89872.88	-89872.88	0.00	0.00	0.00	0.00
84	-89193.46	-89193.46	0.00	0.00	0.00	0.00	0.00	0.00
85	-89395.29	-89395.29	0.00	0.00	0.00	0.00	0.00	0.00
86	-89598.97	-89598.97	0.00	0.00	0.00	0.00	0.00	0.00
87	-89804.48	-89804.48	0.00	0.00	0.00	0.00	0.00	0.00
88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
101	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
102	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
107	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
111	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
112	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
113	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
114	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 4. (Cont.)

J	A16C	A16D	A17C	A17D	A18C	A18D	A19C	A19D
1	84317.42	2	84317.42	2	85239.96	1	85239.96	1
2	84322.29	2	84322.29	2	85244.52	2	85244.52	2
3	84329.39	2	84329.39	2	85251.90B3		85251.90B3	
4	84339.13	3	84339.13	3	85261.17	2	85261.17	2
5	84351.23	2	84351.23	2	85272.96	1	85272.96	1
6	84365.66	2	84365.66	2	85286.99	2	85286.99	2
7	84382.54	2	84382.54	2	85303.61	2	85303.61	2
8	84401.82	1	84401.82	1	85322.34	2	85322.34	2
9	84423.50	3	84423.50	3	85343.57	3	85343.57	3
10	84447.71	2	84447.71	2	85367.49	3	85367.49	3
11	84474.35	3	84474.35	3	85393.06	3	85393.06	3
12	84503.22	3	84503.22	3	85421.24	2	85420.19	1
13	84534.52	3	84534.52	3	85451.79	2	85452.16	1
14	84568.23	3	84568.23	3	85484.59	2	85484.83	1
15	84604.39	3	84604.39	3	85520.09	3	85520.09	3
16	84642.88	3	84642.88	3	85557.52	3	85557.52	3
17	84683.76	3	84683.76	3	85597.45	3	85597.45	3
18	84727.03	3	84727.03	3	85639.48	3	85639.48	3
19	84772.77	3	84772.77	3	85683.77	3	85683.77	3
20	84820.75	3	84820.75	3	85730.83	3	85730.83	3
21	84871.14	3	84871.14	3	85779.95	3	85779.95	3
22	84923.74	2	84923.74	2	85831.37	3	85831.37	3
23	84978.83	1	84978.83	1	85885.16	3	85885.16	3
24	85036.12	1	85036.12	1	85940.91	3	85940.91	3
25	-85096.31		-85096.31		85999.31	2	85999.31	2
26	-85158.46		-85158.46		86059.69	1	86059.69	1
27	-85222.94		-85222.94		-86123.10		-86123.10	
28	-85289.76		-85289.76		-86188.23		-86188.23	
29	-85358.89		-85358.89		-86255.63		-86255.63	
30	-85430.34		-85430.34		-86325.27		-86325.27	
31	-85504.09		-85504.09		-86397.16		-86397.16	
32	-85580.14		-85580.14		-86471.29		-86471.29	
33	-85658.48		-85658.48		-86547.64		-86547.64	
34	-85739.11		-85739.11		-86626.22		-86626.22	
35	-85822.00		-85822.00		-86707.01		-86707.01	
36	-85907.17		-85907.17		-86790.01		-86790.01	
37	-85994.59		-85994.59		-86875.21		-86875.21	
38	-86084.26		-86084.26		-86962.59		-86962.59	
39	-86176.18		-86176.18		-87052.15		-87052.15	
40	-86270.32		-86270.32		-87143.87		-87143.87	
41	-86366.68		-86366.68		-87237.76		-87237.76	
42	-86465.25		-86465.25		-87333.80		-87333.80	
43	-86566.03		-86566.03		-87431.97		-87431.97	
44	-86668.99		-86668.99		-87532.28		-87532.28	
45	-86774.13		-86774.13		-87634.70		-87634.70	
46	-86881.45		-86881.45		-87739.23		-87739.23	
47	-86990.92		-86990.92		-87845.85		-87845.85	
48	-87102.54		-87102.54		-87954.56		-87954.56	
49	-87216.29		-87216.29		-88065.34		-88065.34	
50	-87332.17		-87332.17		-88178.18		-88178.18	
51	-87450.16		-87450.16		-88293.07		-88293.07	
52	-87570.24		-87570.24		-88410.00		-88410.00	
53	-87692.42		-87692.42		-88528.95		-88528.95	
54	-87816.67		-87816.67		-88649.91		-88649.91	
55	-87942.98		-87942.98		-88772.87		-88772.87	
56	-88071.34		-88071.34		-88897.82		-88897.82	
57	-88201.73		-88201.73		-89024.73		-89024.73	
58	-88334.14		-88334.14		-89153.60		-89153.60	
59	-88468.56		-88468.56		-89284.42		-89284.42	
60	-88604.97		-88604.97		-89417.16		-89417.16	
61	-88743.36		-88743.36		-89551.82		-89551.82	
62	-88883.72		-88883.72		-89688.38		-89688.38	
63	-89026.02		-89026.02		-89826.82		-89826.82	
64	-89170.26		-89170.26		-89967.13		-89967.13	
65	-89316.41		-89316.41		0.00		0.00	
66	-89464.47		-89464.47		0.00		0.00	
67	-89614.41		-89614.41		0.00		0.00	
68	-89766.23		-89766.23		0.00		0.00	
69	-89919.90		-89919.90		0.00		0.00	

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Table 4. (Cont.)

J	A20C	A20D	A21C	A21D	A22C	A22D	A23C	A23D
1	87742.88 1	87742.88 1	88469.25 2	88469.25 2	-89120.68	-89120.68	89677.7781	89677.7781
2	87747.22 1	87747.22 1	88473.16 2	88473.16 2	-89124.49	-89124.49	89681.2882	89681.2882
3	87753.64 2	87753.64 2	88479.29 3	88479.29 3	-89130.20	-89130.20	89685.9981	89685.9981
4	87762.31B3	87762.31B3	88487.45 3	88487.45 3	-89137.82	-89137.82	89691.9383	89691.9383
5	87772.88 2	87772.88 2	88497.66 2	88497.66 2	-89147.33	-89147.33	89703.49 1	89703.49 1
6	87785.75 2	87785.75 2	88509.92 2	88509.92 2	-89158.74	-89158.74	89712.03 1	89712.03 1
7	87800.71 3	87800.71 3	88524.20 1	88524.20 1	-89172.04	-89172.04	89724.03 2	89724.03 2
8	87817.82 3	87817.82 3	88540.61 2	88540.61 2	-89187.22	-89187.22	89737.83 2	89737.83 2
9	87837.04 3	87837.04 3	88559.04 2	88559.04 2	-89204.29	-89204.29	89753.64 2	89753.64 2
10	87858.43 3	87858.43 3	88579.32 2	88579.32 2	-89223.22	-89223.22	89770.83 3	89770.83 3
11	87881.92 3	87881.92 3	88601.66 3	88601.66 3	-89244.03	-89244.03	89789.83 3	89789.83 3
12	87907.51 3	87907.51 3	88626.10 3	88626.10 3	-89266.69	-89266.69	89810.46 3	89810.46 3
13	87935.25 3	87935.25 3	88652.56 3	88652.56 3	-89291.20	-89291.20	89832.76 2	89832.76 2
14	87965.08 3	87965.08 3	88681.03 3	88681.03 3	-89317.55	-89317.55	89856.70 2	89856.70 2
15	87997.01 3	87997.01 3	88711.43 3	88711.43 3	-89345.73	-89345.73	89881.97 2	89881.97 2
16	88031.03 3	88031.03 3	88743.93 3	88743.93 3	-89375.73	-89375.73	89909.39 2	89909.39 2
17	88067.22 3	88067.22 3	88778.35 2	88778.35 2	-89407.54	-89407.54	89938.03 2	89938.03 2
18	88105.33 3	88105.33 3	88814.75 2	88814.75 2	-89441.14	-89441.14	89967.11 1	89967.11 1
19	88145.68 2	88145.68 2	88853.10 1	88853.10 1	-89476.53	-89476.53	0.00	0.00
20	88187.99 1	88187.99 1	88893.36 1	88893.36 1	-89513.68	-89513.68	0.00	0.00
21	-88232.51	-88232.51	-88935.74	-88935.74	-89552.59	-89552.59	0.00	0.00
22	-88278.99	-88278.99	-88979.99	-88979.99	-89593.23	-89593.23	0.00	0.00
23	-88327.52	-88327.52	-89026.17	-89026.17	-89635.60	-89635.60	0.00	0.00
24	-88378.09	-88378.09	-89074.28	-89074.28	-89679.67	-89679.67	0.00	0.00
25	-88430.69	-88430.69	-89124.31	-89124.31	-89725.44	-89725.44	0.00	0.00
26	-88485.31	-88485.31	-89176.25	-89176.25	-89772.87	-89772.87	0.00	0.00
27	-88541.95	-88541.95	-89230.08	-89230.08	-89821.96	-89821.96	0.00	0.00
28	-88600.58	-88600.58	-89285.80	-89285.80	-89872.68	-89872.68	0.00	0.00
29	-88661.21	-88661.21	-89343.39	-89343.39	-89925.01	-89925.01	0.00	0.00
30	-88723.82	-88723.82	-89402.84	-89402.84	-89978.93	-89978.93	0.00	0.00
31	-88788.41	-88788.41	-89464.14	-89464.14	0.00	0.00	0.00	0.00
32	-88854.95	-88854.95	-89527.27	-89527.27	0.00	0.00	0.00	0.00
33	-88923.43	-88923.43	-89592.23	-89592.23	0.00	0.00	0.00	0.00
34	-88993.85	-88993.85	-89658.99	-89658.99	0.00	0.00	0.00	0.00
35	-89066.20	-89066.20	-89727.55	-89727.55	0.00	0.00	0.00	0.00
36	-89140.45	-89140.45	-89797.88	-89797.88	0.00	0.00	0.00	0.00
37	-89216.60	-89216.60	-89869.98	-89869.98	0.00	0.00	0.00	0.00
38	-89294.63	-89294.63	-89943.82	-89943.82	0.00	0.00	0.00	0.00
39	-89374.53	-89374.53	0.00	0.00	0.00	0.00	0.00	0.00
40	-89456.28	-89456.28	0.00	0.00	0.00	0.00	0.00	0.00
41	-89539.87	-89539.87	0.00	0.00	0.00	0.00	0.00	0.00
42	-89625.29	-89625.29	0.00	0.00	0.00	0.00	0.00	0.00
43	-89712.51	-89712.51	0.00	0.00	0.00	0.00	0.00	0.00
44	-89801.52	-89801.52	0.00	0.00	0.00	0.00	0.00	0.00
45	-89892.31	-89892.31	0.00	0.00	0.00	0.00	0.00	0.00
46	-89984.86	-89984.86	0.00	0.00	0.00	0.00	0.00	0.00
47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 5. Rotational constants for A<sup>1</sup><sub>Π</sub>.

V	N <u>L</u>	E	D
0	64746.45	1.60428	7.38
1	66228.57	1.58152	7.46
2	67675.80	1.55834	7.59
3	69088.20	1.53505	7.72
4	70465.91	1.51153	7.83
5	71809.12	1.48784	7.94
6	73117.54	1.46405	8.06
7	74391.76	1.44007	8.19
8	75631.63	1.41567	8.32
9	76837.28	1.39096	8.46
10	78008.81	1.36655	8.60
11	79146.93	1.34168	8.76
12	80250.47	1.31628	8.93
13	81319.94	1.29055	9.15
14	82354.39	1.26421	9.43
15	83353.14	1.23696	9.79
16	84314.83	1.20877	10.0
17	85237.61	1.17892	10.1
18	86119.11	1.14669	11.6
19	86955.60	1.11108	12.3
20	87740.86	1.07131	15.44
21	88467.04	1.02268	17.68
22	89118.77	0.9529	30.1
23	89676.05	0.87422	51.3

Table 6. Band strength data. FREQVV is the rotationless wavenumber, QVV is the Frank-Condon factor, RCENT is the r-centroid, RE is the transition moment, and FELECT is the electronic f value. The wavenumbers, Frank-Condon factors, and r-centroids are from Albritton (personal communication). The transition moments are based on Mumma, Stoner, and Zipf (1971).

VA	VX	FREQVV	QVV	RCENT	RE	FELECT	VA	VX	FREQVV	QVV	RCENT	RE	FELECT
0	0	64747.67	1.2182E-01	1.1800	.7504	.11076	5	3	65459.75	8.8996E-02	1.1697	.7663	.11677
0	1	62604.40	2.7049E-01	1.2098	.7045	.09438	5	4	63395.72	1.5819E-03	1.2076	.7079	.09650
0	2	60487.61	2.8511E-01	1.2399	.6581	.07957	5	5	61357.96	8.7441E-02	1.2276	.6770	.08543
0	3	58977.23	1.8976E-01	1.2701	.6115	.06633	5	6	59346.42	1.2227E-02	1.2529	.6380	.07338
0	4	56333.20	8.9548E-02	1.3006	.5645	.05452	5	7	57361.01	4.6082E-02	1.2872	.5851	.05966
0	5	54295.45	3.1895E-02	1.3314	.5170	.04408	5	8	55401.65	9.0581E-02	1.3149	.5424	.04951
0	6	52283.90	8.9182E-03	1.3626	.4729	.03551	5	9	53468.28	1.0973E-02	1.3411	.5020	.04093
0	7	50298.49	2.0132E-03	1.3941	.4729	.03417	5	10	51560.82	3.0644E-02	1.3772	.4729	.03502
0	8	48339.14	3.7503E-04	1.4258	.4729	.03283	5	11	49679.18	1.2563E-01	1.4057	.4729	.03374
0	9	46405.77	5.8551E-05	1.4577	.4729	.03152	5	12	47823.29	1.4722E-01	1.4356	.4729	.03248
0	10	44498.30	7.7287E-06	1.4902	.4729	.03023	5	13	43993.06	9.7370E-02	1.4660	.4729	.03124
1	0	66229.76	2.7766E-01	1.1593	.7824	.12314	5	14	44188.42	4.3885E-02	1.4967	.4729	.03002
1	1	64086.49	1.4702E-01	1.1885	.7373	.10583	5	15	42409.28	1.4679E-02	1.5279	.4729	.02881
1	2	61969.69	8.5229E-04	1.2085	.7065	.09396	5	16	40655.55	3.8231E-03	1.5595	.4729	.02762
1	3	59879.32	8.9657E-02	1.2495	.6433	.07527	5	17	38927.15	6.0029E-04	1.5915	.4729	.02644
1	4	57815.29	2.0036E-01	1.2791	.5976	.06272	5	18	37223.99	1.3749E-04	1.6240	.4729	.02528
1	5	55777.54	1.8052E-01	1.3093	.5511	.05145	5	19	35546.00	1.9666E-05	1.6571	.4729	.02414
1	6	53765.99	9.9879E-02	1.3398	.5040	.04149	5	20	33893.09	2.3678E-06	1.6907	.4729	.02302
1	7	51780.58	3.9092E-02	1.3707	.4729	.03517	6	0	73118.71	3.1963E-02	1.0659	.9201	.18801
1	8	49821.22	1.1612E-02	1.4020	.4729	.03384	6	1	70975.44	1.1644E-01	1.0946	.8821	.16776
1	9	47887.85	2.7325E-03	1.4334	.4729	.03253	6	2	68858.65	4.6564E-02	1.1237	.8373	.14662
1	10	45980.39	5.2357E-04	1.4651	.4729	.03123	6	3	66768.27	3.0202E-02	1.1510	.7952	.12824
1	11	44098.75	8.3076E-05	1.4973	.4729	.02995	6	4	64704.24	5.6404E-02	1.1812	.7486	.11014
1	12	42242.86	1.1052E-05	1.5301	.4729	.02869	6	5	62666.49	2.9617E-02	1.2071	.7087	.09559
1	13	40412.64	1.2469E-06	1.5631	.4729	.02745	6	6	60654.95	3.5228E-02	1.2393	.6590	.08001
2	0	67677.09	2.3539E-01	1.1394	.8130	.13589	6	7	58669.53	6.4720E-02	1.2657	.6183	.06813
2	1	65533.82	6.9965E-03	1.1661	.7719	.11860	6	8	56710.18	6.4357E-04	1.3132	.5450	.05117
2	2	63417.03	1.0248E-01	1.1988	.7215	.10027	6	9	54776.81	7.6481E-02	1.3254	.5262	.04608
2	3	61326.65	1.0799E-01	1.2274	.6773	.08547	6	10	52869.35	6.0912E-02	1.3533	.4832	.03750
2	4	59262.62	1.4759E-03	1.2481	.6454	.07499	6	11	50987.71	1.0558E-05	1.2461	.6485	.06514
2	5	57224.87	7.1689E-02	1.2889	.5825	.05898	6	12	49131.82	6.1544E-02	1.4155	.4729	.03337
2	6	55213.32	1.7325E-01	1.3183	.5372	.04840	6	13	47301.59	1.3876E-01	1.4447	.4729	.03213
2	7	53227.91	1.6107E-01	1.3485	.4906	.03892	6	14	45496.95	1.3069E-01	1.4747	.4729	.03090
2	8	51268.56	9.0411E-02	1.3791	.4729	.03482	6	15	43717.80	7.5939E-02	1.5052	.4729	.02970
2	9	49335.19	3.5606E-02	1.4100	.4729	.03351	6	16	41964.07	3.1211E-02	1.5361	.4729	.02850
2	10	47427.72	1.0597E-02	1.4412	.4729	.03222	6	17	40235.68	9.7122E-03	1.5675	.4729	.02733
2	11	45546.09	2.4895E-03	1.4727	.4729	.03094	6	18	38532.52	2.3848E-03	1.5992	.4729	.02617
2	12	43690.20	4.7392E-04	1.5046	.4729	.02968	6	19	36854.53	4.7446E-04	1.6314	.4729	.02503
2	13	41859.97	7.4467E-05	1.5371	.4729	.02843	6	20	35201.61	7.7837E-05	1.6644	.4729	.02391
2	14	40055.33	9.8062E-06	1.5699	.4729	.02721	6	21	33573.69	1.0670E-05	1.6977	.4729	.02281
2	15	38276.18	1.0930E-06	1.6033	.4729	.02600	6	22	31970.68	1.2287E-06	1.7326	.4729	.02172
3	0	69089.52	1.7954E-01	1.1201	.8428	.14907	7	0	74392.85	1.5198E-02	1.0488	.9201	.19129
3	1	66946.24	3.0096E-02	1.1504	.7961	.12888	7	1	72249.58	8.3279E-02	1.0774	.9086	.18120
3	2	64829.45	1.1263E-01	1.1783	.7531	.11168	7	2	70132.78	8.7803E-02	1.1061	.8644	.15918
3	3	62739.08	1.1204E-04	1.2406	.6570	.08226	7	4	65978.38	7.3349E-02	1.1627	.7771	.12103
3	4	60675.05	1.0066E-01	1.2377	.6615	.08064	7	5	63940.63	3.1833E-03	1.1973	.7238	.10174
3	5	58637.30	7.2996E-02	1.2660	.6178	.06799	7	6	61929.08	6.9513E-02	1.2191	.6901	.08960
3	6	56625.75	2.8903E-04	1.3206	.5336	.04898	7	7	59943.67	5.3623E-06	1.0576	.9201	.15414
3	7	54640.34	8.3758E-02	1.3279	.5224	.04529	7	8	57984.32	6.8545E-02	1.2770	.6009	.06359
3	8	52680.98	1.6471E-01	1.3574	.4769	.03639	7	9	56050.95	2.3929E-02	1.3030	.5608	.05354
3	9	50747.61	1.4093E-01	1.3876	.4729	.03447	7	10	54143.48	2.2086E-02	1.3372	.5080	.04245
3	10	48840.15	7.5191E-02	1.4183	.4729	.03317	7	11	52261.84	8.5996E-02	1.3639	.4729	.03550
3	11	46958.51	2.8546E-02	1.4492	.4729	.03190	7	12	50405.95	2.6886E-02	1.3911	.4729	.03424
3	12	45102.62	8.2477E-03	1.4805	.4729	.03064	7	13	48575.73	9.5568E-03	1.4279	.4729	.03300
3	13	43272.39	1.8853E-03	1.5122	.4729	.02939	7	14	46771.08	9.3288E-02	1.4542	.4729	.03177
3	14	41467.75	3.4976E-04	1.5444	.4729	.02817	7	15	44991.94	1.4120E-01	1.4838	.4729	.03056
3	15	39688.61	5.3703E-05	1.5768	.4729	.02696	7	16	43238.21	1.1023E-01	1.5139	.4729	.02937
3	16	37934.88	6.9135E-06	1.6099	.4729	.02577	7	17	41509.81	5.6727E-02	1.5445	.4729	.02820
4	0	70467.16	1.1335E-01	1.1015	.8715	.16257	7	18	38086.66	2.1302E-02	1.5756	.4729	.02704
4	1	68323.89	1.0168E-01	1.1309	.8262	.14165	7	19	38128.66	6.1706E-03	1.6071	.4729	.02590
4	2	66207.10	2.4160E-02	1.1583	.7839	.12358	7	20	36475.75	1.4265E-03	1.6391	.4729	.02470
4	3	64116.72	7.0663E-02	1.1892	.7363	.10557	7	21	34847.82	2.6899E-04	1.6718	.4729	.02367
4	4	62052.69	5.4991E-02	1.2165	.6942	.09083	7	22	33244.81	4.2045E-05	1.7049	.4729	.02250
4	5	60014.94	1.4180E-02	1.2500	.6425	.07526	7	23	31666.62	5.4918E-06	1.7394	.4729	.02151
4	6	58003.39	1.0354E-01	1.2764	.6018	.06381	8	0	75632.70	6.8897E-03	1.0322	.9201	.19442
4	7	56017.98	3.8458E-02	1.3042	.5589	.05316	8	1	73489.43	5.1947E-02	1.0607	.9201	.1897
4	8	54058.63	8.8512E-03	1.3402	.5034	.04161	8	2	71372.64	9.8062E-02	1.0892	.8905	.17190
4	9	52125.26	1.0503E-01	1.3668	.4729	.03541	8	3	69282.26	2.1467E-02	1.1180	.8460	.15064
4	10	50217.79	1.5817E-01	1.3965	.4729	.03411	8	4	67218.23	3.2231E-02	1.1451	.8043	.13207
4	11	48336.16	1.1953E-01	1.4268	.4729	.03283	8	5	65180.48	4.6679E-02	1.1747	.7586	.11394
4	12	46480.27	5.8927E-02	1.4575	.4729	.03157	8	6	63168.94	1.7123E-02	1.1993	.7207	.09966
4	13	44650.04	2.1110E-02	1.4885	.4729	.03033	8	7	61183.52	4.4760E-02	1.2311	.6716	.08384
4	14	42845.40	5.8159E-03	1.5199	.4729	.02910	8	8	59224.17	2.9372E-02	1.2564	.6326	.07200
4	15	41066.25	2.2760E-03	1.5518	.4729	.02789	8	9	57290.80	2.2222E-02	1.2894	.5817	.05890
4	16	39312.52	2.2853E-04	1.5841	.4729	.0							

Table 6. (Cont.)

VA	VX	FREQVV	QVV	RCENT	RE	FELECT	VA	VX	FREQVV	QVV	RCENT	RE	FELECT
8	16	44478.06	1.1792E-01	1.4932	.4729	.03021	11	13	53330.70	1.1202E-03	1.3328	.5148	.04294
8	17	42749.66	1.3330E-01	1.5229	.4729	.02904	11	14	51526.06	4.7672E-02	1.3765	.4729	.03500
8	18	41046.51	8.8497E-02	1.5532	.4729	.02788	11	15	49746.92	3.5561E-02	1.4024	.4729	.03379
8	19	39368.52	4.0703E-02	1.5841	.4729	.02674	11	16	47993.19	4.3367E-03	1.4404	.4729	.03260
8	20	37715.60	1.4027E-02	1.6153	.4729	.02562	11	17	46264.79	6.7067E-02	1.4626	.4729	.03143
8	21	36087.68	3.7876E-03	1.6471	.4729	.02451	11	18	44561.63	4.8674E-02	1.4898	.4729	.03027
8	22	34484.66	8.2365E-04	1.6795	.4729	.02342	11	19	42883.64	5.9595E-05	1.4506	.4729	.02913
8	23	32906.48	1.4714E-04	1.7124	.4729	.02235	11	20	41230.73	4.7833E-02	1.5526	.4729	.02801
8	24	31353.04	2.1838E-05	1.7465	.4729	.02130	11	21	39602.80	1.1824E-01	1.5812	.4729	.02690
8	25	29824.27	2.7328E-06	1.7802	.4729	.02026	11	22	37999.79	1.2216E-01	1.6111	.4729	.02581
9	0	76838.41	3.0166E-03	1.0159	.9201	.19758	11	23	36421.60	7.8290E-02	1.6416	.4729	.02474
9	1	74695.14	2.9504E-02	1.0445	.9201	.19207	11	24	34868.16	3.5674E-02	1.6726	.4729	.02368
9	2	72578.34	8.4024E-02	1.0729	.9156	.18482	11	25	33339.40	1.2349E-02	1.7042	.4729	.02265
9	3	70487.97	5.7175E-02	1.1012	.8719	.16279	11	26	31835.23	3.3804E-03	1.7364	.4729	.02162
9	4	68423.94	1.4943E-03	1.1265	.8329	.14420	11	27	30355.58	7.5072E-04	1.7692	.4729	.02062
9	5	66386.19	6.2227E-02	1.1572	.7856	.12445	11	28	28900.39	1.3795E-04	1.8026	.4729	.01963
9	6	64374.64	3.8128E-03	1.1906	.7341	.10538	11	29	27469.59	2.1349E-05	1.8357	.4729	.01866
9	7	62389.23	5.4402E-02	1.2124	.7005	.09299	11	30	26063.12	2.7954E-06	1.8720	.4729	.01770
9	8	60429.88	3.7725E-03	1.2479	.6457	.07654	12	0	80251.53	2.2398E-04	.9684	.9201	.20636
9	9	58496.51	5.9786E-02	1.2687	.6137	.06691	12	1	78108.26	3.8824E-03	.9982	.9201	.20084
9	10	56589.04	4.2669E-04	1.2750	.6039	.06270	12	2	75991.47	2.4121E-02	1.0268	.9201	.19540
9	11	54707.40	5.6529E-02	1.3266	.5244	.04570	12	3	73901.09	6.3409E-02	1.0548	.9201	.19003
9	12	52851.51	3.0735E-02	1.3526	.4843	.03765	12	4	71837.06	5.7724E-02	1.0826	.9006	.17700
9	13	51021.29	1.0625E-02	1.3879	.4729	.03466	12	5	69799.31	2.3300E-03	1.1107	.8573	.15583
9	14	49216.64	7.7003E-02	1.4130	.4729	.03343	12	6	67787.77	3.4231E-02	1.1378	.8155	.13694
9	15	47437.50	3.9139E-02	1.4404	.4729	.03222	12	7	65802.35	3.0493E-02	1.1664	.7714	.11894
9	16	45683.77	1.6323E-03	1.4843	.4729	.03103	12	8	63843.00	9.1385E-03	1.1891	.7364	.10517
9	17	43955.37	6.8203E-02	1.5031	.4729	.02986	12	9	61909.63	4.2167E-02	1.2204	.6881	.08905
9	18	42252.22	1.3044E-01	1.5323	.4729	.02870	12	10	60002.17	3.8672E-03	1.2399	.6581	.07893
9	19	40574.22	1.1782E-01	1.5622	.4729	.02756	12	11	58120.53	4.3549E-02	1.2752	.6036	.06433
9	20	38921.31	6.7894E-02	1.5928	.4729	.02644	12	12	56264.64	8.1033E-03	1.2975	.5693	.05538
9	21	37293.38	2.8177E-02	1.6238	.4729	.02533	12	13	54434.41	3.5550E-02	1.3315	.5168	.04417
9	22	35690.37	8.9516E-03	1.6553	.4729	.02424	12	14	52629.77	2.8249E-02	1.3561	.4789	.03666
9	23	34112.18	2.2558E-03	1.6875	.4729	.02317	12	15	50850.62	1.0661E-02	1.3907	.4729	.03454
9	24	32558.75	4.6214E-04	1.7201	.4729	.02212	12	16	49096.89	5.8382E-02	1.4145	.4729	.03335
9	25	31029.98	7.8138E-05	1.7538	.4729	.02108	12	17	47368.50	7.4270E-03	1.4378	.4729	.03218
9	26	29525.81	1.1075E-05	1.7875	.4729	.02006	12	18	45665.34	2.8760E-02	1.4746	.4729	.03102
9	27	28046.16	1.3277E-06	1.8222	.4729	.01905	12	19	43987.35	7.2205E-02	1.5010	.4729	.02988
10	0	78010.10	1.2880E-03	.9999	.9201	.20059	12	20	42334.43	2.0672E-02	1.5273	.4729	.02876
10	1	75866.82	1.5677E-02	1.0287	.9201	.19508	12	21	40706.51	7.9609E-03	1.5666	.4729	.02765
10	2	73750.03	6.1178E-02	1.0571	.9201	.18964	12	22	39103.50	7.8624E-02	1.5915	.4729	.02656
10	3	71659.65	7.7247E-02	1.0852	.8966	.17499	12	23	37525.31	1.2647E-01	1.6208	.4729	.02549
10	4	69595.62	8.7532E-03	1.1137	.8527	.15370	12	24	35971.87	1.0666E-01	1.6509	.4729	.02443
10	5	67557.87	3.3299E-02	1.1407	.8110	.13499	12	25	34443.11	5.9922E-02	1.6816	.4729	.02340
10	6	65546.33	3.8376E-02	1.1698	.7662	.11688	12	26	32938.93	2.4742E-02	1.7130	.4729	.02237
10	7	63560.92	1.1329E-02	1.1932	.7301	.10291	12	27	31459.29	7.9227E-03	1.7449	.4729	.02137
10	8	61601.56	4.5558E-02	1.2249	.6812	.08683	12	28	30004.10	2.0343E-03	1.7774	.4729	.02038
10	9	59668.19	1.1071E-02	1.2480	.6456	.07554	12	29	28573.30	4.2876E-04	1.8105	.4729	.01941
10	10	57760.73	3.9504E-02	1.2811	.5945	.06202	12	30	27166.83	7.5785E-05	1.8431	.4729	.01845
10	11	55879.09	2.8378E-02	1.3061	.5560	.05247	12	31	25784.63	1.1313E-05	1.8785	.4729	.01751
10	12	54023.20	1.5523E-02	1.3398	.5040	.04169	12	32	24426.66	1.4776E-06	1.9067	.4729	.01659
10	13	52192.97	6.1314E-02	1.3646	.4729	.03545	13	0	81320.94	9.2219E-05	.9527	.9201	.20911
10	14	50388.33	3.3764E-03	1.3856	.4729	.03423	13	1	79177.66	1.8516E-03	.9833	.9201	.20359
10	15	48609.18	4.1080E-02	1.4244	.4729	.03030	13	2	77060.87	1.3783E-02	1.0122	.9201	.19815
10	16	46855.46	7.2611E-02	1.4515	.4729	.03183	13	3	74970.49	4.6507E-02	1.0404	.9201	.19278
10	17	45127.06	1.1571E-02	1.4770	.4729	.03065	13	4	72906.47	6.5502E-02	1.0681	.9201	.18747
10	18	43423.90	1.8847E-02	1.5147	.4729	.02950	13	5	70868.71	1.9784E-02	1.0956	.8806	.16693
10	19	41745.91	9.8022E-02	1.5421	.4729	.02836	13	6	68857.17	8.8446E-03	1.1230	.8383	.14700
10	20	40092.99	1.3147E-01	1.5716	.4729	.02723	13	7	66871.76	4.6073E-02	1.1509	.7953	.12846
10	21	38465.07	9.8375E-02	1.6018	.4729	.02613	13	8	64912.40	2.0115E-03	1.1848	.7430	.10886
10	22	36862.06	5.0054E-02	1.6326	.4729	.02504	13	9	62979.03	3.7153E-02	1.2039	.7136	.09741
10	23	35283.87	1.8904E-02	1.6638	.4729	.02397	13	10	61071.57	1.0888E-02	1.2354	.6650	.08204
10	24	33730.43	5.5574E-03	1.6957	.4729	.02291	13	11	59189.93	3.1764E-02	1.2574	.6311	.07161
10	25	32201.67	1.3118E-03	1.7281	.4729	.02187	13	12	57334.04	1.1908E-02	1.2898	.5811	.05881
10	26	30697.50	2.5359E-04	1.7614	.4729	.02085	13	13	55503.81	3.7777E-02	1.3127	.5458	.05023
10	27	29217.85	4.0842E-05	1.7950	.4729	.01985	13	14	53699.17	3.9412E-03	1.3487	.4903	.03921
10	28	27762.66	5.5557E-06	1.8287	.4729	.01886	13	15	51920.03	4.9667E-02	1.3692	.4729	.03527
11	0	79147.83	5.4030E-04	.9840	.9201	.20352	13	16	50166.30	2.3316E-03	1.3871	.4729	.03408
11	1	77004.55	7.9392E-03	1.0133	.9201	.19801	13	17	48437.90	3.9561E-02	1.4269	.4729	.03290
11	2	74887.76	3.9925E-02	1.0417	.9201	.19256	13	18	46734.74	4.0026E-02	1.4526	.4729	.03174
11	3	72797.39	7.6658E-02	1.0698	.9201	.18719	13	19	45056.75	8.6312E-04	1.5012	.4729	.03060
11	4	70733.36	3.5498E-02	1.0977	.8773	.16539	13	20	43403.83	5.6101E-02	1.5126	.4729	.02948
11	5	68695.60	4.6448E-03	1.1246	.8359	.14579	13	21	41775.91	5.6501E-02	1.5396	.4729	.02838
11	6	66684.06	5.3602E-02	1.1533	.7916	.12693	13	22	40172.90	2.8200E-03	1.5594	.4729	.02729
11	7	64698.6											

Table 6. (Cont.)

VA	VX	FREQVV	QVV	RCENT	RE	FELECT	VA	VX	FREQVV	QVV	RCENT	RE	FELECT
13	29	29642.70	5.0519E-03	1.7858	.4729	.02013	16	1	82172.60	1.8553E-04	.9397	.9201	.21130
13	30	28236.23	1.2296E-03	1.8186	.4729	.01918	16	2	80055.81	2.1059E-03	.9705	.9201	.20585
13	31	26854.03	2.4951E-04	1.8508	.4729	.01824	16	3	77965.43	1.2097E-02	.9995	.9201	.20048
13	32	25496.07	4.2680E-05	1.8852	.4729	.01732	16	4	75901.40	3.6816E-02	1.0275	.9201	.19517
13	33	24162.28	6.3358E-06	1.9152	.4729	.01641	16	5	73863.65	5.4042E-02	1.0549	.9201	.18993
14	0	82355.46	3.7875E-05	.9372	.9201	.21177	16	6	71852.11	2.4292E-02	1.0819	.9017	.17746
14	1	80212.19	8.6787E-04	.9686	.9201	.20625	16	7	69866.69	1.1799E-03	1.1104	.8578	.15615
14	2	78095.40	7.5629E-03	.9980	.9201	.20081	16	8	67907.34	3.4719E-02	1.1365	.8175	.13786
14	3	76005.02	3.1360E-02	1.0263	.9201	.19544	16	9	65973.97	1.4627E-02	1.1648	.7739	.12002
14	4	73940.99	6.0744E-02	1.0541	.9201	.19013	16	10	64066.51	1.0909E-02	1.1869	.7398	.10651
14	5	71903.24	4.0016E-02	1.0815	.9023	.17783	16	11	62184.87	3.1204E-02	1.2168	.6937	.09090
14	6	69891.70	3.9704E-05	1.1070	.8630	.15812	16	12	60328.98	1.3395E-03	1.2301	.6732	.08305
14	7	67906.28	3.4926E-02	1.1363	.8178	.13796	16	13	58498.75	3.5800E-02	1.2691	.6130	.06678
14	8	65946.93	2.2606E-02	1.1647	.7740	.12002	16	14	56694.11	1.1889E-04	1.2543	.6359	.06963
14	9	64013.56	9.1565E-03	1.1870	.7396	.10638	16	15	54914.96	3.7435E-02	1.3228	.5302	.04690
14	10	62106.10	3.7131E-02	1.2177	.6923	.09042	16	16	53161.23	8.9309E-04	1.3347	.5119	.04231
14	11	60224.46	1.6300E-03	1.2326	.6693	.08196	16	17	51432.83	3.6899E-02	1.3778	.4729	.03494
14	12	58368.57	4.0665E-02	1.2712	.6098	.06593	16	18	49729.68	8.6146E-03	1.3995	.4729	.03378
14	13	56538.34	1.3770E-03	1.2860	.5870	.05917	16	19	48051.69	2.4852E-02	1.4340	.4729	.03264
14	14	54733.70	4.0679E-02	1.3261	.5252	.04585	16	20	46398.77	3.2869E-02	1.4582	.4729	.03152
14	15	52954.55	7.2883E-03	1.3479	.4915	.03886	16	21	44770.85	1.9837E-03	1.4996	.4729	.03041
14	16	51200.82	3.1072E-02	1.3824	.4729	.03478	16	22	43167.83	4.9135E-02	1.5163	.4729	.02932
14	17	49472.42	2.9654E-02	1.4067	.4729	.03360	16	23	41589.65	2.1682E-02	1.5409	.4729	.02825
14	18	47769.27	6.6167E-03	1.4427	.4729	.03245	16	24	40036.21	7.3409E-03	1.5793	.4729	.02719
14	19	46091.28	5.4784E-02	1.4651	.4729	.03131	16	25	38507.44	6.1184E-02	1.6024	.4729	.02616
14	20	44438.36	1.3191E-02	1.4892	.4729	.03018	16	26	37003.27	4.4235E-02	1.6291	.4729	.02513
14	21	42810.44	1.7600E-02	1.5258	.4729	.02908	16	27	35523.63	4.2802E-04	1.6305	.4729	.02413
14	22	41207.42	6.8894E-02	1.5512	.4729	.02799	16	28	34068.44	3.6228E-02	1.6933	.4729	.02314
14	23	39629.24	3.1431E-02	1.5779	.4729	.02692	16	29	32637.63	1.0292E-01	1.7217	.4729	.02217
14	24	38075.80	1.4957E-03	1.6261	.4729	.02586	16	30	31231.16	1.1879E-01	1.7515	.4729	.02121
14	25	36567.03	5.8495E-02	1.6418	.4729	.02482	16	31	29848.97	8.5456E-02	1.7822	.4729	.02028
14	26	35042.86	1.1784E-01	1.6708	.4729	.02380	16	32	28491.00	4.4243E-02	1.8132	.4729	.01935
14	27	33563.22	1.1380E-01	1.7008	.4729	.02280	16	33	27157.22	1.7685E-02	1.8447	.4729	.01845
14	28	32108.03	7.1291E-02	1.7316	.4729	.02181	16	34	25847.59	5.7103E-03	1.8761	.4729	.01756
14	29	30677.22	3.2519E-02	1.7629	.4729	.02084	16	35	24562.07	1.5329E-03	1.9079	.4729	.01668
14	30	29270.75	1.1480E-02	1.7946	.4729	.01988	16	36	23300.66	3.5056E-04	1.9394	.4729	.01583
14	31	27888.56	3.2551E-03	1.8270	.4729	.01894	16	37	22063.33	6.9706E-05	1.9700	.4729	.01499
14	32	26530.59	7.6348E-04	1.8589	.4729	.01802	17	0	85238.64	2.6918E-06	.8910	.9201	.21918
14	33	25196.81	1.5054E-04	1.8923	.4729	.01712	17	1	83095.37	8.5525E-05	.9255	.9201	.21367
14	34	23887.18	2.5581E-05	1.9234	.4729	.01623	17	2	80978.57	1.0864E-03	.9571	.9201	.20823
14	35	22601.66	3.7557E-06	1.9578	.4729	.01535	17	3	78888.20	7.1264E-03	.9866	.9201	.20285
15	0	83354.21	1.5581E-05	.9217	.9201	.21433	17	4	76824.17	2.5709E-02	1.0149	.9201	.19754
15	1	81210.94	4.0236E-04	.9541	.9201	.20882	17	5	74786.42	4.8582E-02	1.0424	.9201	.19230
15	2	79094.15	4.0310E-03	.9841	.9201	.20338	17	6	72774.87	3.7331E-02	1.0694	.9201	.18713
15	3	77003.77	1.9907E-02	1.0127	.9201	.19800	17	7	70789.46	1.9221E-03	1.0953	.8810	.16692
15	4	74939.74	4.9460E-02	1.0405	.9201	.19270	17	8	68830.11	1.9246E-02	1.1237	.8873	.14656
15	5	72901.99	5.2138E-02	1.0679	.9201	.18746	17	9	66896.74	2.9867E-02	1.1509	.7953	.12853
15	6	70890.44	8.6643E-03	1.0949	.8817	.16739	17	10	64989.27	1.4350E-05	1.1005	.8730	.15046
15	7	68905.03	1.3876E-02	1.1226	.8390	.14732	17	11	63107.63	3.0886E-02	1.2025	.7157	.09820
15	8	66945.68	3.8493E-02	1.1500	.7967	.12908	17	12	61251.74	6.9564E-03	1.2339	.6673	.08286
15	9	65012.31	5.9616E-04	1.1889	.7367	.10718	17	13	59421.52	2.1802E-02	1.2536	.6369	.07323
15	10	63104.84	3.3295E-02	1.2022	.7162	.09833	17	14	57616.87	1.4816E-02	1.2847	.5890	.06072
15	11	61223.21	1.0032E-02	1.2334	.6681	.08301	17	15	55837.73	1.8151E-02	1.3063	.5557	.05237
15	12	59367.32	2.4709E-02	1.2544	.6357	.07288	17	16	54084.00	1.6112E-02	1.3380	.5068	.04220
15	13	57537.09	1.5605E-02	1.2859	.5871	.06025	17	17	52355.60	2.2449E-02	1.3606	.4729	.03556
15	14	55732.45	2.4884E-02	1.3085	.5523	.05164	17	18	50652.45	9.9921E-03	1.3938	.4729	.03441
15	15	53953.30	1.2441E-02	1.3410	.5022	.04133	17	19	48974.45	3.4263E-02	1.4157	.4729	.03327
15	16	51219.57	3.4723E-02	1.3638	.4729	.03546	17	20	47321.54	6.9078E-04	1.4630	.4729	.03214
15	17	50471.17	2.6289E-03	1.4020	.4729	.03428	17	21	45693.61	4.1884E-02	1.4721	.4729	.03104
15	18	48768.02	4.66270E-02	1.4201	.4729	.03313	17	22	44090.60	1.0143E-02	1.4947	.4729	.02995
15	19	47090.03	4.8383E-03	1.4411	.4729	.03199	17	23	42512.41	1.9163E-02	1.5308	.4729	.02888
15	20	45437.11	3.0464E-02	1.4781	.4729	.03086	17	24	40958.98	4.8527E-02	1.5550	.4729	.02782
15	21	43809.19	4.4659E-02	1.5033	.4729	.02976	17	25	39430.21	4.0338E-03	1.5750	.4729	.02678
15	22	42206.17	1.4352E-04	1.4838	.4729	.02867	17	26	37926.04	2.6507E-02	1.6160	.4729	.02576
15	23	40627.99	4.3003E-02	1.5634	.4729	.02760	17	27	36446.39	6.5188E-02	1.6419	.4729	.02476
15	24	39074.55	6.2676E-02	1.5902	.4729	.02654	17	28	34991.20	2.3899E-02	1.6683	.4729	.02377
15	25	37545.78	1.0162E-02	1.6145	.4729	.02550	17	29	33560.40	2.8019E-03	1.7128	.4729	.02280
15	26	36041.61	1.4856E-02	1.6549	.4729	.02448	17	30	32153.93	5.8337E-02	1.7332	.4729	.02184
15	27	34561.97	8.4300E-02	1.6815	.4729	.02348	17	31	30771.74	1.1316E-01	1.7623	.4729	.02090
15	28	33106.77	1.2220E-01	1.7110	.4729	.02249	17	32	29413.77	1.1108E-01	1.7925	.4729	.01998
15	29	31675.97	9.9894E-02	1.7413	.4729	.02152	17	33	28079.99	7.2850E-02	1.8231	.4729	.01907
15	30	30269.50	5.6166E-02	1.7724	.4729	.02056	17	34	26770.35	3.5615E-02	1.8542	.4729	.01818
15	31	28887.31	2.3747E-02	1.8037	.4729	.01962	17	35	25484.84	1.3794E-02	1.8852	.4729	.01731
15	32	27529.34	7.9334E-03	1.8357	.4729	.01870	17	36	24223.42	4.3977E-03	1.9163	.4729	.01645

Table 6. (Cont.)

VA	VX	FREQVV	QVV	RCENT	RE	FELECT	VA	VX	FREQVV	QVV	RCENT	RE	FELECT
18	5	75667.76	3.9653E-02	1.0304	.9201	.19457	20	9	69399.97	1.1843E-02	1.1161	.8490	.15194
18	6	73656.22	4.3558E-02	1.0574	.9201	.18940	20	10	67492.51	2.6090E-02	1.1425	.8083	.13393
18	7	71670.81	1.1235E-02	1.0839	.8986	.17580	20	11	65610.87	1.3090E-03	1.1743	.7592	.11488
18	8	69711.45	5.4311E-03	1.1120	.8553	.15491	20	12	63754.98	1.8109E-02	1.1928	.7307	.10340
18	9	67778.08	3.2373E-02	1.1384	.8146	.13661	20	13	61924.75	1.4997E-02	1.2218	.6860	.08852
18	10	65870.62	7.0214E-03	1.1671	.7703	.11873	20	14	60120.11	5.2943E-03	1.2403	.6575	.07894
18	11	63988.98	1.4188E-02	1.1887	.7370	.10558	20	15	58340.96	2.3954E-02	1.2721	.6084	.06560
18	12	62133.09	2.4059E-02	1.2180	.6918	.09034	20	16	56587.23	7.3982E-04	1.2813	.5942	.06070
18	13	60302.86	2.3304E-03	1.2339	.6673	.08157	20	17	54858.83	2.6857E-02	1.3236	.5290	.04663
18	14	58498.22	3.0545E-02	1.2693	.6127	.06672	20	18	53155.68	1.2913E-04	1.3143	.5433	.04767
18	15	56719.08	6.9839E-05	1.2416	.6555	.07402	20	19	51477.69	2.8225E-02	1.3767	.4729	.03497
18	16	54965.35	3.2305E-02	1.3219	.5316	.04719	20	20	49824.77	7.7566E-04	1.3862	.4729	.03384
18	17	53236.95	3.4734E-05	1.2752	.6036	.05893	20	21	48196.85	2.8091E-02	1.4303	.4729	.03274
18	18	51533.79	3.3755E-02	1.3758	.4729	.03500	20	22	46593.83	5.8423E-03	1.4505	.4729	.03165
18	19	49855.80	1.7706E-03	1.3908	.4729	.03386	20	23	45015.65	2.0764E-02	1.4854	.4729	.03058
18	20	48202.88	3.1208E-02	1.4305	.4729	.03274	20	24	43462.21	2.1534E-02	1.5085	.4729	.02952
18	21	46574.96	1.2961E-02	1.4530	.4729	.03164	20	25	41933.44	4.4048E-03	1.5461	.4729	.02848
18	22	44971.95	1.5748E-02	1.4873	.4729	.03055	20	26	40429.27	3.8359E-02	1.5653	.4729	.02746
18	23	43393.76	3.7273E-02	1.5108	.4729	.02948	20	27	38949.63	6.0517E-03	1.5862	.4729	.02646
18	24	41840.32	2.9401E-05	1.4289	.4729	.02842	20	28	37494.43	1.9085E-02	1.6248	.4729	.02547
18	25	40311.56	3.8498E-02	1.5689	.4729	.02738	20	29	36063.63	4.4456E-02	1.6492	.4729	.02450
18	26	38807.39	3.3522E-02	1.5941	.4729	.02636	20	30	34657.16	5.5124E-03	1.6703	.4729	.02354
18	27	37327.74	3.9269E-04	1.6574	.4729	.02536	20	31	33274.97	1.8527E-02	1.7111	.4729	.02260
18	28	35872.55	4.5489E-02	1.6552	.4729	.02437	20	32	31917.00	6.0143E-02	1.7371	.4729	.02168
18	29	34441.75	5.7439E-02	1.6820	.4729	.02339	20	33	30583.22	3.4125E-02	1.7642	.4729	.02077
18	30	33035.28	9.1232E-03	1.7068	.4729	.02244	20	34	29273.59	7.7864E-05	1.7437	.4729	.01988
18	31	31653.08	1.2812E-02	1.7474	.4729	.02150	20	35	27988.07	3.1939E-02	1.8280	.4729	.01901
18	32	30295.12	7.6061E-02	1.7737	.4729	.02058	20	36	26726.66	9.0698E-02	1.8565	.4729	.01815
18	33	28961.33	1.1646E-01	1.8034	.4729	.01967	20	37	25489.33	1.1335E-01	1.8859	.4729	.01731
18	34	27651.70	1.0252E-01	1.8335	.4729	.01878	21	0	88467.04	9.6600E-08	.8373	.9201	.22748
18	35	26366.18	6.3386E-02	1.8641	.4729	.01791	21	1	86324.73	4.2068E-06	.8713	.9201	.22197
18	36	25104.77	3.0140E-02	1.8947	.4729	.01705	21	2	84207.94	7.6064E-05	.9073	.9201	.21653
18	37	23867.44	1.1616E-02	1.9253	.4729	.01621	21	3	82117.57	7.4349E-04	.9398	.9201	.21115
19	0	86955.60	4.9000E-07	.8639	.9201	.22359	21	4	80053.54	4.3152E-03	.9698	.9201	.20585
19	1	84812.98	1.8494E-05	.8976	.9201	.21808	21	5	78015.79	1.5226E-02	.9982	.9201	.20061
19	2	82696.19	2.8538E-04	.9313	.9201	.21264	21	6	76004.24	3.1359E-02	1.0256	.9201	.19543
19	3	80605.81	2.3386E-03	.9622	.9201	.20727	21	7	74018.83	3.2093E-02	1.0523	.9201	.19033
19	4	78541.79	1.1064E-02	.9911	.9201	.20196	21	8	72059.47	8.2387E-03	.10783	.9073	.18017
19	5	76504.03	3.0218E-02	1.0190	.9201	.19672	21	9	70126.10	3.4665E-03	.1066	.8636	.15888
19	6	74492.49	4.3169E-02	1.0461	.9201	.19155	21	10	68218.64	2.3970E-02	.1322	.8241	.14075
19	7	72507.08	2.7026E-02	1.0727	.9159	.18476	21	11	66337.00	8.3117E-03	.1598	.7816	.12310
19	8	70547.72	5.7671E-05	1.1086	.8605	.15869	21	12	64481.11	6.2490E-03	.1810	.7489	.10985
19	9	68614.35	2.3609E-02	1.1267	.8326	.14449	21	13	62650.88	2.1957E-02	.2100	.7042	.09437
19	10	66706.89	1.9585E-02	1.1538	.7908	.12673	21	14	60846.24	6.5773E-05	.2831	.5915	.06466
19	11	64825.25	1.5463E-03	1.1723	.7623	.11443	21	15	59067.10	2.1598E-02	.2600	.6271	.07055
19	12	62969.36	2.8082E-02	1.2049	.7120	.09698	21	16	57313.37	4.1387E-03	.2925	.5770	.05795
19	13	61139.13	2.8667E-03	1.2383	.6605	.08103	21	17	55584.97	1.7519E-02	.3107	.5489	.05087
19	14	59334.49	2.1585E-02	1.2553	.6343	.07252	21	18	53881.81	8.0899E-03	.3420	.5006	.04102
19	15	57555.34	1.0547E-02	1.2863	.5865	.06014	21	19	52203.82	1.6379E-02	.3631	.4729	.03546
19	16	55801.62	1.6318E-02	1.3068	.5549	.05220	21	20	50550.91	8.2654E-03	.3952	.4729	.03434
19	17	54073.22	1.4292E-02	1.3381	.5066	.04216	21	21	48922.98	1.9882E-02	.4160	.4729	.03323
19	18	52370.06	1.6833E-02	1.3600	.4729	.03557	21	22	47319.97	4.3816E-03	.4507	.4729	.03214
19	19	50692.07	1.2245E-02	1.3923	.4729	.03443	21	23	45741.78	2.6977E-02	.4700	.4729	.03107
19	20	49039.15	2.3934E-02	1.4140	.4729	.03331	21	24	44188.34	4.8436E-05	.5658	.4729	.03002
19	21	47411.23	4.7910E-03	1.4492	.4729	.03220	21	25	42659.58	2.9903E-02	.5256	.4729	.02898
19	22	45808.22	3.4718E-02	1.4692	.4729	.03112	21	26	41155.41	7.8255E-03	.5464	.4729	.02795
19	23	44230.03	3.4260E-04	1.4694	.4729	.03004	21	27	39675.76	1.5058E-02	.5830	.4729	.02695
19	24	42676.59	3.3118E-02	1.5258	.4729	.02899	21	28	38220.57	3.3010E-02	.6062	.4729	.02596
19	25	41147.83	2.0279E-02	1.5491	.4729	.02795	21	29	36789.77	4.7021E-04	.6078	.4729	.02499
19	26	39643.66	6.2325E-03	1.5871	.4729	.02693	21	30	35383.30	2.8735E-02	.6657	.4729	.02403
19	27	38164.01	4.7063E-02	1.6086	.4729	.02592	21	31	34001.10	3.7367E-02	.6908	.4729	.02310
19	28	36708.82	1.6494E-02	1.6328	.4729	.02493	21	32	32643.14	1.2696E-03	.7054	.4729	.02217
19	29	35278.02	7.8869E-03	1.6725	.4729	.02396	21	33	31309.35	2.5304E-02	.7529	.4729	.02127
19	30	33871.55	5.6895E-02	1.6955	.4729	.02301	21	34	29999.72	5.8716E-02	.7794	.4729	.02038
19	31	32489.35	4.4927E-02	1.7228	.4729	.02207	21	35	28714.21	2.8795E-02	.8072	.4729	.01950
19	32	31131.39	1.9290E-03	1.7411	.4729	.02115	21	37	26215.46	3.1367E-02	.8699	.4729	.01781
19	33	29797.60	2.4364E-02	1.7868	.4729	.02024	22	0	89118.77	4.4400E-08	.8222	.9201	.22916
19	34	28487.97	8.6990E-02	1.8150	.4729	.01935	22	1	86977.15	2.0614E-06	.8593	.9201	.22365
19	35	27202.45	1.1567E-01	1.8446	.4729	.01848	22	2	84860.36	3.9802E-05	.8964	.9201	.21821
19	36	25941.04	9.5785E-02	1.8747	.4729	.01762	22	3	82769.98	4.1798E-04	.9298	.9201	.21283
19	37	24703.71	5.7954E-02	1.9049	.4729	.01678	22	4	80705.96	2.6306E-03	.9604	.9201	.20752
20	0	87740.86	2.1500E-07	.8494	.9201	.22561	22	5	78668.20	1.0232E-02	.9891	.9201	.20228
20	1	85598.60	8.7501E-06	.8842	.9201	.22010	22	6	76656.66	2.3988E-02	.0166	.9201	.19711
20	2	83481.81	1.4680E-04	.9190	.9201	.21466	22	7	74671.25	3.0191E-02	.0435	.9201	.19201
20	3	81391.43	1.3209E-03	.9507	.9201	.20929</							

Table 6. (Cont.)

VA	VX	FREQVV	QVV	RCENT	RE	FELECT
22	14	61498.66	4.7350E-03	1.2303	.6729	.08458
22	15	59719.51	1.0580E-02	1.2488	.6444	.07532
22	16	57965.79	1.3530E-02	1.2789	.5979	.06295
22	17	56237.39	4.1830E-03	1.2969	.5702	.05554
22	18	54534.23	1.8344E-02	1.3293	.5202	.04483
22	19	52856.24	2.0185E-03	1.3467	.4934	.03908
22	20	51203.32	2.0085E-02	1.3816	.4729	.03478
22	21	49575.40	2.5005E-03	1.3990	.4729	.03367
22	22	47972.39	1.9600E-02	1.4346	.4729	.03259
22	23	46394.20	6.4108E-03	1.4547	.4729	.03151
22	24	44840.76	1.4694E-02	1.4886	.4729	.03046
22	25	43312.00	1.6453E-02	1.5111	.4729	.02942
22	26	41807.83	4.3427E-03	1.5476	.4729	.02840
22	27	40328.18	2.8620E-02	1.5669	.4729	.02739
22	28	38872.99	1.5206E-03	1.5809	.4729	.02640
22	29	37442.19	2.1823E-02	1.6246	.4729	.02543
22	30	36035.72	2.5628E-02	1.6486	.4729	.02448
22	31	34653.52	1.0456E-04	1.7376	.4729	.02354
22	32	33295.56	3.1366E-02	1.7084	.4729	.02262
22	33	31961.77	3.2317E-02	1.7345	.4729	.02171
22	34	30652.14	6.2838E-04	1.7438	.4729	.02082
22	35	29366.62	2.4258E-02	1.7961	.4729	.01995
22	36	28105.21	5.5499E-02	1.8233	.4729	.01909
22	37	26867.88	3.1129E-02	1.8514	.4729	.01825
23	0	89676.05	2.1600E-08	.8103	.9201	.23059
23	1	87532.95	1.0613E-06	.8485	.9201	.22508
23	2	85416.16	2.1673E-05	.8867	.9201	.21964
23	3	83325.78	2.4181E-04	.9210	.9201	.21426
23	4	81261.75	1.6282E-03	.9521	.9201	.20895
23	5	79224.00	6.8588E-03	.9811	.9201	.20371
23	6	77212.45	1.7820E-02	1.0089	.9201	.19854
23	7	75227.04	2.6166E-02	1.0358	.9201	.19344
23	8	73267.69	1.6223E-02	1.0620	.9201	.18840
23	9	71334.32	4.1054E-04	1.0854	.8963	.17408
23	10	69426.85	1.0016E-02	1.1155	.8499	.15233
23	11	67545.21	1.6509E-02	1.1416	.8097	.13450
23	12	65689.32	4.9534E-04	1.1752	.7578	.11460
23	13	63859.10	1.2267E-02	1.1912	.7332	.10427
23	14	62054.45	1.0346E-02	1.2197	.6892	.08954
23	15	60275.31	2.5763E-03	1.2369	.6627	.08041
23	16	58521.58	1.6727E-02	1.2691	.6130	.06681
23	18	55090.03	1.7489E-02	1.3192	.5358	.04804
23	19	53412.03	8.7577E-04	1.3569	.4777	.03702
23	20	51759.12	1.7359E-02	1.3710	.4729	.03516
23	21	50131.19	1.2457E-03	1.4083	.4729	.03405
23	22	48528.18	1.8823E-02	1.4233	.4729	.03296
23	23	46949.99	3.1358E-04	1.4743	.4729	.03189
23	24	45396.56	2.1136E-02	1.4764	.4729	.03084
23	25	43867.79	6.6686E-04	1.4871	.4729	.02980
23	26	42363.62	1.9635E-02	1.5313	.4729	.02878
23	27	40883.97	8.6101E-03	1.5524	.4729	.02777
23	28	39428.78	8.8215E-03	1.5884	.4729	.02678
23	29	37997.98	2.4407E-02	1.6103	.4729	.02581
23	30	36591.51	2.2513E-04	1.6039	.4729	.02485
23	31	35209.32	2.7645E-02	1.6688	.4729	.02392
23	32	33851.35	2.2445E-02	1.6929	.4729	.02299
23	33	32517.57	1.1188E-04	1.7714	.4729	.02209
23	34	31207.93	2.7968E-02	1.7537	.4729	.02120
23	35	29922.42	3.2825E-02	1.7799	.4729	.02032
23	36	28661.00	2.4804E-03	1.8020	.4729	.01947
23	37	27423.68	1.4928E-02	1.8415	.4729	.01863

Table 7. Line data. The wavelength in nm and the log gf value are listed for lines between observed levels. Above 200 nm air wavelengths are given. Lines with positive wavelengths are for levels observed by Simmons, Bass, and Tilford (1969). Lines with negative wavelengths are for levels observed by Gero (1936) and are less accurate.

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
111.5104	-8.57	0.23	R 0	113.4706	-6.99	0.21	P18	114.5777	-5.93	1-23	R16	116.3491	-6.08	0-18	P13	117.1532	-4.71	2-23	Q 7
111.5108	-8.39	0.23	R 1	113.5242	-6.61	0.21	Q20	116.0645	-6.04	1-23	P15	116.3516	-5.91	0-18	R16	117.1540	-4.89	2-23	R 8
111.5145	-8.26	0.23	R 2	113.5266	-6.67	0.21	P19	116.6133	-5.67	1-23	Q16	116.3702	-5.67	0-18	Q15	117.1624	-4.98	1-20	R18
111.5151	-8.39	0.23	Q 1	113.5761	-6.94	0.21	P20	116.6244	-5.91	1-23	R17	116.3819	-6.05	0-18	P14	117.1697	-5.11	2-23	P 7
111.5203	-8.17	0.23	Q 2	113.6280	-6.92	0.21	P21	116.6513	-6.01	1-23	P16	116.3844	-5.88	0-18	R17	117.1757	-4.66	2-23	Q 8
111.5214	-8.17	0.23	R 3	113.9687	-7.60	0.20	R 1	116.6626	-5.64	1-23	Q17	116.3998	-5.31	1-21	P20	117.1762	-4.73	1-20	Q17
111.5247	-8.87	0.23	P 2	113.9694	-7.58	0.20	R 0	114.7003	-5.98	1-23	P17	116.4040	-5.64	0-18	Q16	117.1771	-4.84	2-23	R 9
111.5262	-8.09	0.23	R 4	113.9704	-7.28	0.20	R 2	116.7144	-5.62	1-23	Q18	116.4166	-6.02	0-18	P15	117.1838	-5.10	1-20	P16
111.5288	-8.02	0.23	O 3	113.9761	-7.18	0.20	R 3	116.7527	-5.95	1-23	P18	116.4190	-5.86	0-18	R18	117.1947	-5.04	2-23	P 8
111.5347	-8.57	0.23	P 3	113.9744	-7.60	0.20	Q 1	116.8095	-5.93	1-23	P19	116.4400	-5.62	0-18	Q17	117.2007	-4.61	2-23	Q 9
111.5395	-8.02	0.23	R 5	113.9787	-7.18	0.20	Q 2	116.8399	-6.12	1-21	R 1	116.4534	-5.29	1-21	P21	117.2028	-4.81	2-23	R10
111.5406	-7.91	0.23	Q 4	113.9803	-7.10	0.20	R 4	116.8400	-6.29	1-21	R 0	116.4535	-5.99	0-18	P18	117.2035	-4.96	1-20	R19
111.5480	-8.39	0.23	P 4	113.9843	-7.88	0.20	P 2	116.8818	-5.99	1-21	R 2	116.4564	-5.84	0-18	R19	117.2178	-4.71	1-20	Q18
111.5501	-7.82	0.23	Q 5	113.9854	-7.03	0.20	Q 3	115.8451	-6.12	1-21	Q 1	116.4780	-5.59	0-18	Q18	117.2224	-4.98	2-23	P 9
111.5532	-7.96	0.23	R 6	113.9886	-7.03	0.20	R 5	115.8662	-5.89	1-21	R 3	116.4925	-5.96	0-18	P17	117.2259	-5.07	1-20	P17
111.5645	-8.26	0.23	P 5	113.9937	-7.58	0.20	P 3	115.8801	-5.89	1-21	O 2	116.4958	-5.82	0-18	R20	117.2289	-4.56	2-23	Q10
111.5682	-7.75	0.23	O 6	113.9941	-6.92	0.20	Q 4	115.8830	-5.81	1-21	R 4	116.5179	-5.57	0-18	Q19	117.2314	-4.77	2-23	R11
111.5696	-7.91	0.23	R 7	113.9991	-6.97	0.20	R 6	115.8853	-6.59	1-21	P 2	116.5337	-5.93	0-18	P18	117.2525	-4.93	2-23	P10
111.5788	-8.17	0.23	P 6	114.0053	-6.84	0.20	P 5	115.8872	-5.75	1-21	Q 3	116.5373	-5.80	0-18	R21	117.2598	-4.52	2-23	Q11
111.5867	-7.69	0.23	O 7	114.0053	-7.40	0.20	P 4	115.8861	-5.75	1-21	R 5	116.5605	-5.55	0-18	Q20	117.2616	-4.69	1-20	Q19
111.5882	-7.87	0.23	R 8	114.0119	-6.92	0.20	R 7	115.8864	-6.29	1-21	P 3	116.5770	-5.91	0-18	P19	117.2630	-4.74	2-23	R12
111.6017	-8.09	0.23	P 7	114.0186	-6.76	0.20	Q 6	115.8867	-5.64	1-21	O 4	116.5805	-5.78	0-18	R22	117.2702	-5.05	1-20	P18
111.6078	-7.64	0.23	O 8	114.0191	-7.28	0.20	P 5	115.8783	-5.69	1-21	R 6	116.6051	-5.53	0-18	Q21	117.2859	-4.89	2-23	P11
111.6098	-7.82	0.23	R 9	114.0268	-6.88	0.20	R 8	115.8776	-6.12	1-21	P 4	116.6221	-5.88	0-18	P20	117.2937	-4.49	2-23	Q12
111.6250	-8.02	0.23	P 8	114.0341	-6.70	0.20	Q 7	115.8786	-5.55	1-21	Q 5	116.6266	-5.76	0-18	R23	117.2975	-4.71	2-23	R13
111.6312	-7.59	0.23	O 9	114.0352	-7.18	0.20	P 6	115.8874	-5.64	1-21	R 7	116.6520	-5.51	0-18	Q22	117.3080	-4.67	1-20	Q20
111.6340	-7.79	0.23	R 10	114.0440	-6.84	0.20	R 9	115.8923	-5.99	1-21	P 5	116.6700	-5.86	0-18	P21	117.3149	-6.32	0-17	R 1
111.6509	-7.96	0.23	P 9	114.0518	-6.65	0.20	Q 8	115.8924	-5.48	1-21	Q 6	116.6751	-5.75	0-18	R24	117.3153	-6.19	0-17	R 2
111.6577	-7.54	0.23	O 10	114.0536	-7.10	0.20	P 7	115.9035	-5.59	1-21	R 8	116.7004	-5.49	0-18	Q23	117.3159	-6.49	0-17	R 0
111.6610	-7.75	0.23	R 11	114.0634	-6.80	0.20	R 10	115.9093	-5.89	1-21	P 6	116.7199	-5.84	0-18	P22	117.3171	-5.02	1-20	P19
111.6679	-7.91	0.23	P 12	114.0718	-6.60	0.20	Q 9	115.9094	-5.42	1-21	Q 7	116.7251	-5.73	0-18	R25	117.3184	-6.09	0-17	R 3
111.6867	-7.50	0.23	Q 11	114.0741	-7.03	0.20	P 8	115.9223	-5.55	1-21	R 9	116.7518	-5.47	0-18	Q22	117.3212	-6.32	0-17	Q 1
111.6907	-7.72	0.23	R 12	114.0851	-6.76	0.20	R 11	115.9283	-5.36	1-21	Q 8	116.7720	-5.82	0-18	P23	117.3221	-4.84	2-23	P12
111.7104	-7.87	0.23	P 11	114.0940	-6.54	0.20	Q 10	115.9286	-5.81	1-21	P 7	116.7779	-5.71	0-18	R26	117.3234	-6.01	0-17	R 4
111.7185	-7.47	0.23	Q 12	114.0968	-6.97	0.20	P 9	115.9435	-5.51	1-21	R 10	116.8055	-5.45	0-18	Q18	117.3255	-6.09	0-17	Q 2
111.7231	-7.69	0.23	R 13	114.1090	-6.73	0.20	R 12	115.9496	-5.31	1-21	Q 9	116.8222	-5.80	1-20	R 1	117.3304	-4.45	2-23	Q13
111.7442	-7.82	0.23	P 12	114.1184	-6.52	0.20	Q 11	115.9504	-5.75	1-21	P 8	116.8230	-5.98	1-20	R 0	117.3305	-5.95	0-17	R 5
111.7530	-7.43	0.23	Q 13	114.1219	-6.92	0.20	P 10	115.9669	-5.48	1-21	R 11	116.8239	-5.68	1-20	R 2	117.3312	-5.95	0-17	Q 3
111.7587	-7.66	0.23	R 14	114.1352	-6.70	0.20	R 13	115.9735	-5.27	1-21	Q 10	116.8258	-5.80	0-18	P24	117.3317	-6.79	0-17	P 2
111.7808	-7.79	0.23	P 13	114.1452	-6.48	0.20	Q 12	115.9744	-5.69	1-21	P 9	116.8276	-5.58	0-18	R 3	117.3354	-4.68	2-23	R14
111.7903	-7.40	0.23	O 14	114.1490	-6.88	0.20	P 11	115.9928	-5.45	1-21	R 12	116.8282	-5.80	1-20	O 1	117.3394	-5.89	0-17	R 6
111.7964	-7.64	0.23	R 15	114.1637	-6.67	0.20	R 14	115.9998	-5.23	1-21	O 11	116.8326	-5.58	1-20	Q 2	117.3396	-5.84	0-17	Q 4
111.8202	-7.75	0.23	P 14	114.1747	-6.45	0.20	Q 13	116.0008	-5.64	1-21	P 10	116.8340	-5.50	1-20	R 4	117.3413	-6.49	0-17	P 3
111.8307	-7.37	0.23	Q 15	114.1785	-6.84	0.20	P 12	116.0211	-5.42	1-21	R 13	116.8386	-6.28	1-20	P 2	117.3498	-5.75	0-17	Q 5
111.8374	-7.61	0.23	R 16	114.1944	-6.65	0.20	R 15	116.0284	-5.20	1-21	Q 12	116.8395	-5.43	0-18	P 3	117.3506	-5.84	0-17	R 7
111.8623	-7.72	0.23	P 15	114.2053	-6.42	0.20	Q 14	116.0299	-5.59	1-21	P 11	116.8424	-5.43	0-18	R 5	117.3524	-6.32	0-17	P 4
111.8872	-7.35	0.23	O 16	114.2103	-6.80	0.20	P 13	116.0519	-5.39	1-21	R 14	116.8482	-5.98	1-20	P 3	117.3612	-4.81	2-23	P13
111.8826	-7.59	0.23	R 17	114.2273	-6.62	0.20	R 16	116.0594	-5.16	1-21	Q 13	116.8484	-5.32	0-17	Q 6	117.3632	-5.68	0-17	Q 6
111.9075	-7.49	0.23	P 16	114.2388	-6.39	0.20	Q 15	116.0613	-5.55	1-21	P 12	116.8532	-5.38	1-20	R 6	117.3638	-5.79	0-17	R 8
111.9190	-7.32	0.23	Q 17	114.2407	-6.88	0.20	R 0	116.0850	-5.36	1-21	R 15	116.8600	-5.24	1-20	Q 5	117.3661	-6.19	0-17	P 5
111.9549	-7.66	0.23	P 17	114.2411	-6.71	0.20	R 1	116.0928	-5.13	1-21	Q 14	116.8603	-5.80	1-20	P 4	117.3662	-5.00	1-20	P20
111.9691	-7.30	0.23	Q 18	114.2462	-6.76	0.20	P 14	116.0951	-5.51	1-21	P 13	116.8609	-5.44	0-18	P26	117.3702	-4.42	2-23	Q14
112.0056	-7.64	0.23	P 18	114.2449	-6.58	0.20	R 2	116.1147	-6.68	0-18	R 1	116.8663	-5.32	1-20	R 7	117.3755	-4.66	2-23	R15
112.0606	-7.61	0.23	P 19	114.2487	-6.28	0.20	R 8	116.1156	-6.21	0-18	R 0	116.8737	-5.16	1-20	O 6	117.4072	-5.62	0-17	Q 7
113.0710	-7.18	0.21	R 9	114.3196	-6.01	0.20	Q 7	116.1670	-5.07	1-21	O 16	1							

Table 7. (Cont.)

WAVE	LOGFF	VX	VA	XJ	WAVE	LOGFF	VX	VA	XJ	WAVE	LOGFF	VX	VA	XJ	WAVE	LOGFF	VX	VA	XJ	WAVE	LOGFF	VX	VA	XJ																															
117.8112	-5.39	0.17	R23	118.9806	-4.31	2-21	P21	119.7332	-3.94	1-18	Q24	120.1015	-4.86	0-15	R13	120.4842	-3.94	1-17	Q11	117.8170	-5.51	0.17	P20	118.9866	-4.83	0-16	Q19	119.7557	-4.29	1-18	P23	120.1016	-4.68	0-15	Q11	120.4895	-4.13	1-17	K13																
117.8410	-5.14	0.17	Q22	118.9954	-5.06	0-16	R21	119.7581	-4.18	1-18	R26	120.1086	-3.55	2-20	Q16	120.4953	-4.35	1-17	P10	117.8578	-5.38	0.17	R24	119.0034	-4.12	2-21	R15	119.7843	-4.59	2-20	R1	120.1102	-4.07	3-23	P7	120.5004	-3.64	3-23	P17																
117.8635	-5.49	0.17	P21	119.0094	-5.19	0-16	P18	119.7851	-4.76	2-20	R20	120.1159	-5.09	0-15	P10	120.5050	-4.74	0-15	P21	117.8887	-5.12	0.17	Q23	119.0124	-3.88	2-21	Q14	119.7859	-4.46	2-20	R2	120.1161	-3.62	3-23	Q8	120.5111	-3.90	1-17	Q12																
117.9070	-5.36	0.17	R25	119.0154	-4.27	2-21	P13	119.7885	-3.92	1-18	Q25	120.1167	-3.92	2-20	P15	120.5141	-3.28	3-23	Q18	117.9120	-5.47	0.17	P22	119.0273	-4.81	0-16	Q20	119.7897	-4.37	2-20	R3	120.1170	-3.81	3-23	R9	120.5153	-4.10	1-17	R14																
117.9390	-5.10	0.17	Q24	119.0369	-5.04	0-16	R22	119.7905	-4.59	2-20	Q1	120.1256	-4.64	0-15	Q12	120.5203	-4.37	0-15	Q23	117.9635	-5.45	0.17	P23	119.0401	-4.09	2-21	R16	119.7952	-4.37	2-20	O2	120.1258	-4.84	0-15	R14	120.5213	-4.30	1-17	P11																
117.9910	-5.08	0.17	Q25	119.0494	-3.86	2-21	Q15	119.7962	-4.29	2-20	R4	120.1334	-3.76	2-20	R18	120.5366	-3.87	1-17	Q13	118.0166	-5.43	0.17	P24	119.0514	-5.16	0-16	P19	119.8014	-5.06	2-20	P2	120.1360	-4.00	3-23	P8	120.5438	-4.07	1-17	R15																
118.0455	-5.07	0.17	Q26	119.0527	-4.23	2-21	P14	119.8022	-4.22	2-20	Q3	120.1414	-5.04	0-15	P11	120.5505	-4.26	1-17	P12	118.0723	-5.41	0.17	P25	119.0700	-4.78	0-12	Q21	119.8049	-4.22	2-20	R5	120.1418	-3.57	3-23	Q9	120.5527	-4.72	0-15	P22																
118.1297	-5.39	0.17	P26	119.0781	-5.15	1-18	R1	119.8110	-4.27	1-18	P24	120.1436	-3.77	3-23	R10	120.5564	-3.62	3-23	P18	118.1897	-5.38	0.17	P27	119.0792	-5.33	1-18	R0	119.8114	-4.76	2-20	P3	120.1488	-3.52	2-20	Q17	120.5665	-3.84	1-17	Q14																
118.5980	-5.94	0-16	R1	119.0793	-4.07	2-21	R17	119.8114	-4.11	2-20	Q4	120.1517	-4.61	0-15	Q13	120.5684	-4.35	0-15	P24	118.5988	-5.82	0-16	R2	119.0794	-5.03	1-18	R2	119.8159	-4.16	2-20	R6	120.1521	-4.81	0-15	R15	120.5742	-4.05	1-17	R16																
118.5995	-6.12	0-16	R0	119.0804	-4.93	1-18	R3	119.8233	-4.02	2-20	Q5	120.1577	-3.89	2-20	P16	120.5815	-4.22	1-17	P13	118.6014	-5.72	0-16	R3	119.0806	-5.02	0-16	R23	119.8239	-4.59	2-20	P4	120.1647	-3.95	3-23	P9	120.5982	-3.81	1-17	Q15																
118.6049	-5.94	0-16	R1	119.0846	-5.15	1-18	G1	119.8293	-4.11	2-20	R7	120.1695	-5.00	0-15	P12	120.6023	-4.70	0-15	P23	118.6060	-5.64	0-16	R4	119.0867	-4.85	1-18	R4	119.8374	-3.95	2-20	Q6	120.1710	-3.53	3-23	Q10	120.6071	-4.02	1-17	R17																
118.6088	-5.72	0-16	Q2	119.0889	-3.83	2-21	Q16	119.8385	-4.46	2-20	P5	120.1731	-3.74	3-23	R11	120.6146	-4.19	1-17	P14	118.6127	-5.57	0-16	R5	119.0889	-4.93	1-18	Q2	119.8450	-4.06	2-20	R8	120.1756	-3.74	2-20	R19	120.6172	-3.59	3-23	P19																
118.6151	-5.57	0-16	Q3	119.0925	-4.20	2-21	P15	119.8454	-3.91	1-18	Q26	120.1795	-4.58	0-15	Q14	120.6185	-4.33	0-15	Q25	118.6157	-6.12	0-16	P2	119.0945	-4.79	1-18	R5	119.8538	-3.89	2-20	Q7	120.1801	-4.78	0-15	R16	120.6323	-3.78	1-17	G16																
118.6214	-5.51	0-16	R6	119.0953	-5.14	0-16	P20	119.8559	-4.37	2-20	P6	120.1917	-3.50	2-20	Q18	120.6423	-4.00	1-17	P15	118.6230	-5.46	0-16	Q4	119.0954	-5.63	1-18	P2	119.8631	-4.02	2-20	R9	120.1958	-3.89	3-23	P10	120.6499	-4.16	1-17	P15																
118.6251	-6.12	0-16	P3	119.0956	-4.79	1-18	Q3	119.8694	-4.25	1-18	P25	120.1970	-4.96	0-15	P13	120.6540	-4.68	0-15	P24	118.6322	-5.46	0-16	R7	119.1020	-4.68	1-18	Q4	119.8726	-3.83	2-20	P8	120.2010	-3.86	2-20	P17	120.6683	-3.76	1-17	Q17																
118.6330	-5.38	0-16	O5	119.1042	-4.73	1-18	R6	119.8753	-4.29	2-20	P7	120.2029	-3.49	3-23	O11	120.6789	-3.98	1-17	R19	118.6387	-5.94	0-16	P4	119.1051	-5.33	1-18	P3	119.8835	-3.99	2-20	R10	120.2057	-3.70	3-23	R12	120.6868	-4.13	1-17	P16																
118.6449	-5.42	0-16	R8	119.1137	-4.59	1-18	Q5	119.8938	-3.79	2-20	Q9	120.2090	-4.55	0-15	Q15	120.7068	-3.73	1-17	Q18	118.6452	-5.30	0-16	Q6	119.1150	-4.76	0-16	Q22	119.8972	-4.22	2-20	P8	120.2105	-4.76	0-15	R17	118.6501	-5.82	0-16	P5	119.1162	-4.68	1-18	R7	119.9051	-3.89	1-18	Q27	120.2289	-4.93	0-15	P14	120.7181	-3.96	1-17	R20
118.6593	-5.24	0-16	O7	119.1172	-5.15	1-18	P4	119.9064	-3.95	2-20	R11	120.2304	-3.85	3-23	P11	120.7265	-4.10	1-17	P17	118.6595	-5.38	0-16	R9	119.1210	-4.05	2-21	R18	119.9173	-3.74	2-20	Q10	120.2368	-3.47	2-20	P19	120.7475	-3.71	1-17	Q19																
118.6655	-5.72	0-16	P6	119.1269	-4.52	1-18	P2	119.9214	-4.16	2-20	P9	120.2379	-3.45	3-23	G12	120.7594	-3.94	1-17	R21	118.6754	-5.19	0-16	P8	119.1290	-5.03	1-18	P5	119.9302	-4.23	1-18	P26	120.2408	-4.52	0-15	Q16	120.7635	-4.64	0-15	P28																
118.6761	-5.34	0-16	R10	119.1299	-4.63	1-18	R8	119.9316	-3.92	2-20	R12	120.2413	-3.67	3-23	R13	120.7680	-4.07	1-17	P18	118.6831	-5.64	0-16	P7	119.1309	-3.80	2-21	Q11	119.9432	-3.70	2-20	Q11	120.2428	-4.74	0-15	R18	120.7897	-3.69	1-17	Q20																
118.6837	-5.47	0-16	R11	119.1309	-3.80	2-21	P16	119.9481	-4.11	2-20	P10	120.2467	-3.83	2-20	P18	120.8028	-3.92	1-17	R22	118.6837	-4.74	0-16	Q9	119.1350	-4.17	2-21	P16	119.9481	-4.11	2-20	R12	120.2476	-3.67	3-23	R14	120.8062	-4.00	1-17	P21																
118.6936	-5.14	0-16	R11	119.1414	-5.12	0-16	P21	119.9592	-3.89	2-20	R13	120.2624	-4.89	0-15	P15	120.8121	-4.05	1-17	P19	118.6950	-5.30	0-16	R11	119.1414	-5.12	0-16	P21	119.9592	-3.89	2-20	R13	120.2624	-4.89	0-15	P15	120.8344	-3.67	1-17	Q21																
118.7026	-5.57	0-16	P8	119.1421	-4.46	1-18	Q7	119.9770	-4.06	2-20	P11	120.2677	-3.81	3-23	P12	120.8489	-3.67	1-17	R22	118.7137	-5.10	0-16	Q10	119.1461	-4.59	0-15	R2	119.9761	-3.98	1-17	P22	120.8489	-3.90	1-17	R23																				
118.7158	-5.27	0-16	R12	119.1462	-4.93	1-18	P6	119.9678	-5.74	0-15	R0	120.2759	-3.42	3-23	Q13	120.8584	-3.61	1-17	Q24	118.7242	-5.51	0-16	P9	119.1594	-4.40	1-18	Q8	119.9694	-5.34	0-15	R3	120.2771	-3.72	0-15	R17	118.7357	-4.74	0-16	Q7	119.1594	-4.40	1-18	Q8	119.9694	-5.15	0-15	P23								
118.7357	-4.87	2-21	R1	119.1798	-4.14	2-21	P17	119.9837	-5.19	0-15	Q3	120.2841	-4.60	0-15	R20	121.0091	-3.96	1-17	P23	118.7357	-4.87	2-21	R1	119.1798	-4.14	2-21	P17	119.9837	-5.19	0-15	R20	121.0091	-3.96	1-17	P23																				
118.7582	-4.65	2-21	R3	119.1848	-4.52	1-18	R11	119.9844	-6.04	0-15	P2	120.3035	-3.79	3-23	R14	120.8867	-3.89	1-17	R24	118.7600	-5.02	0-16	Q12	119.1853	-4.79	1-18	P8	119.9876	-5.14	0-15	Q12	120.2804	-3.64	3-23	R14	120.8867	-3.89	1-17	P24																
118.7623	-4.65	2-21	O2	119.1895	-5.10	0-16	P22	119.9892	-3.86	2-20	R14	120.3035	-5.56	0-15	R6	120.9062	-4.00	1-17	P21	118.7635	-5.21	0-16	R14	119.2002	-4.31	0-15	Q4	119.9915	-5.09	0-15	P4	120.3047	-4.82	1-17	R25																				
118.7651	-4.57	2-21	R4	119.2078	-4.49	1-18	P9	119.9975	-5.34	0-15	Q2	120.3104	-4.47	0-15	Q18	120.9821	-3.61	1-17	Q24	118.7679	-4.53	0-16	P3	119.2081	-4.73	1-18	P9	119.9974	-5.74</																										

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ		
121,6920	-4.37	1-16	R 2	122,0135	-3.97	0-14	Q24		122,4633	-2.98	2-18	Q16		123,0780	-3.19	4-23	Q 3	123,3227	-3.21	1-15	Q13
121,6928	-4.67	1-16	R 0	122,0135	-3.43	1-16	O17		122,4762	-3.19	2-18	R18		123,0850	-2.69	3-20	O13	123,3251	-2.99	4-23	P12
121,6945	-4.27	1-16	R 3	122,0137	-4.21	0-14	R26		122,4789	-3.35	2-18	P15		123,0851	-3.73	4-23	P 3	123,3266	-2.53	3-20	Q19
121,6984	-4.49	1-16	O 1	122,0190	-3.65	1-16	R19		122,5013	-2.95	2-18	O17		123,0891	-3.19	4-23	R 5	123,3289	-3.92	0-13	R21
121,6991	-4.19	1-16	R 4	122,0330	-3.14	3-21	R15		122,5156	-3.17	2-18	R19		123,0906	-4.10	0-13	R13	123,3311	-4.07	0-13	P17
121,7025	-4.27	1-16	O 2	122,0354	-3.79	1-16	P16		122,5168	-4.18	0-14	P31		123,0914	-3.08	4-23	Q 4	123,3329	-2.60	4-23	Q13
121,7060	-4.12	1-16	R 5	122,0433	-3.91	3-21	O14		122,5180	-3.32	2-18	P16		123,0922	-4.38	0-13	P 9	123,3360	-3.69	0-13	Q19
121,7089	-4.12	1-16	O 3	122,0472	-3.29	3-21	P13		122,5415	-2.93	2-18	Q18		123,0922	-3.08	3-20	P12	123,3369	-2.83	4-23	R14
121,7097	-4.97	1-16	P 2	122,0510	-3.40	1-16	Q18		122,5570	-3.15	2-18	R20		123,0974	-3.92	0-13	Q11	123,3381	-2.89	3-20	P18
121,7148	-4.07	1-16	R 6	122,0527	-4.32	0-14	P23		122,5594	-3.29	2-18	P17		123,0999	-3.08	2-18	P27	123,3422	-3.60	1-15	P12
121,7162	-4.51	0-14	P15	122,0571	-3.63	1-16	R20		122,5836	-2.90	2-18	Q19		123,1004	-3.55	4-23	P 4	123,3503	-3.38	1-15	R16
121,7170	-4.02	1-16	O 4	122,0627	-3.20	0-14	R27		122,6008	-3.13	2-18	R21		123,1020	-2.99	4-23	O 5	123,3513	-3.18	1-15	Q14
121,7194	-4.67	1-16	P 3	122,0629	-3.95	0-14	O25		122,6032	-3.26	2-18	P18		123,1040	-2.89	3-20	R15	123,3669	-2.95	4-23	P13
121,7229	-4.34	0-14	R19	122,0707	-3.11	3-21	R16		122,6287	-2.88	2-18	O20		123,1046	-3.13	4-23	R 6	123,3679	-3.90	0-13	R22
121,7247	-4.12	0-14	O17	122,0744	-3.77	1-16	P17		122,6463	-3.11	2-18	R22		123,1137	-4.07	0-13	R14	123,3697	-4.05	0-13	P18
121,7258	-4.02	1-16	R 7	122,0814	-3.88	3-21	O15		122,6490	-3.24	2-18	P19		123,1153	-4.32	0-13	P10	123,3705	-3.56	1-15	P13
121,7273	-3.93	1-16	O 5	122,0857	-3.25	3-21	P14		122,6759	-2.86	2-18	Q21		123,1190	-2.66	3-20	O14	123,3746	-3.67	0-13	Q20
121,7315	-4.49	1-16	P 4	122,0905	-3.38	1-16	O19		122,6949	-3.10	2-18	R23		123,1195	-3.43	4-23	P 5	123,3753	-2.57	4-23	Q14
121,7388	-3.97	1-16	R 8	122,0977	-3.61	1-16	R21		122,6969	-3.22	2-18	P20		123,1203	-3.88	0-13	O12	123,3757	-2.51	3-20	Q20
121,7398	-3.86	1-16	O 6	122,1029	-4.30	0-14	P24		122,7254	-2.84	2-18	Q22		123,1227	-2.92	4-23	O 6	123,3796	-2.80	4-23	R15
121,7453	-4.37	1-16	P 5	122,1111	-3.09	3-21	R17		122,7460	-3.08	2-18	R24		123,1229	-3.08	4-23	R 7	123,3814	-3.36	1-15	R17
121,7512	-4.48	0-14	P16	122,1144	-3.93	0-14	O26		122,7477	-3.19	2-18	P21		123,1270	-3.04	3-20	P13	123,3816	-3.15	1-15	Q15
121,7537	-3.93	1-16	R 9	122,1144	-3.18	0-14	R28		122,7766	-2.82	2-18	Q23		123,1324	-3.16	1-15	R 1	123,3880	-2.87	3-20	P19
121,7543	-3.79	1-16	O 7	122,1155	-3.74	1-16	P18		122,7988	-3.06	2-18	R25		123,1330	-4.04	1-15	R 2	123,4034	-3.53	1-15	P14
121,7583	-4.32	0-14	R20	122,1220	-2.85	3-21	O16		122,8006	-3.17	2-18	P22		123,1339	-4.34	1-15	R 0	123,4088	-3.88	0-13	R23
121,7598	-4.09	0-14	Q18	122,1268	-3.22	3-21	P15		122,8309	-2.80	2-18	Q24		123,1352	-3.94	1-15	R 3	123,4103	-4.02	0-13	P19
121,7612	-4.27	1-16	P 6	122,1323	-3.36	1-16	Q20		122,8544	-3.05	2-18	R26		123,1357	-3.33	0-13	R15	123,4118	-2.92	4-23	P14
121,7706	-3.89	1-16	R10	122,1401	-3.59	1-16	R22		122,8558	-3.15	2-18	P23		123,1387	-4.05	0-13	R15	123,4143	-3.12	1-15	Q16
121,7709	-3.74	1-16	O 8	122,1541	-3.07	3-21	R18		122,8606	-3.64	3-20	R 1		123,1397	-4.16	1-15	O 1	123,4145	-3.34	1-15	R18
121,7745	-3.89	3-21	R 1	122,1562	-4.28	0-14	P25		122,8615	-3.82	3-20	R 0		123,1397	-2.87	3-20	R16	123,4153	-3.64	0-13	Q21
121,7748	-4.07	3-21	R 0	122,1572	-4.02	2-18	R 1		122,8622	-3.52	3-20	R 2		123,1401	-3.86	1-15	R 4	123,4214	-2.54	4-23	Q15
121,7765	-3.77	3-21	R 2	122,1584	-4.19	2-18	R 0		122,8661	-3.42	3-20	R 3		123,1403	-4.28	0-13	P11	123,4261	-2.78	4-23	R16
121,7794	-4.19	1-16	P 7	122,1584	-3.89	2-18	R 2		122,8672	-3.64	3-20	Q 1		123,1439	-2.86	4-23	C 7	123,4378	-3.49	1-15	P15
121,7803	-3.89	3-21	Q 1	122,1587	-3.71	1-16	P19		122,8719	-3.42	3-20	G 2		123,1439	-3.03	4-23	R 8	123,4402	-2.84	3-20	P20
121,7811	-3.67	3-21	R 3	122,1593	-3.80	2-18	R 3		122,8727	-3.34	3-20	R 4		123,1439	-3.94	1-15	O 2	123,4468	-3.09	1-15	Q17
121,7856	-3.67	3-21	Q 2	122,1640	-4.02	2-18	O 1		122,8785	-4.12	3-20	P 2		123,1454	-3.85	0-13	O 13	123,4496	-3.32	1-15	R19
121,7881	-3.59	3-21	R 4	122,1654	-4.82	3-21	O17		122,8792	-3.28	3-20	Q 3		123,1474	-3.79	1-15	R 5	123,4517	-3.80	0-13	R24
121,7882	-4.46	0-14	P17	122,1658	-3.72	2-18	R 4		122,8815	-3.28	3-20	R 5		123,1503	-3.79	1-15	Q 3	123,4528	-4.00	0-13	P20
121,7896	-3.69	1-16	Q 9	122,1678	-3.92	0-14	Q27		122,8878	-2.79	2-18	Q25		123,1512	-4.64	1-15	P 2	123,4573	-3.62	0-13	Q22
121,7899	-3.86	1-16	R11	122,1678	-4.17	0-14	R29		122,8887	-3.17	3-20	Q 4		123,1536	-3.74	1-15	R 6	123,4599	-2.89	4-23	P15
121,7914	-4.37	3-21	P 2	122,1685	-3.80	2-18	Q 2		122,8889	-3.82	3-20	P 3		123,1556	-2.63	3-20	Q 15	123,4698	-2.51	4-23	Q16
121,7932	-3.52	3-21	Q 3	122,1705	-3.19	3-21	P16		122,8928	-3.22	3-20	R 6		123,1583	-3.68	1-15	O 4	123,4743	-3.40	1-15	P16
121,7963	-4.30	0-14	R21	122,1737	-3.65	2-18	P 5		122,9009	-3.08	3-20	Q 5		123,1613	-4.34	1-15	P 3	123,4776	-2.75	4-23	R17
121,7970	-4.07	0-14	Q19	122,1753	-4.49	2-18	P 2		122,9018	-3.64	3-20	P 4		123,1621	-3.25	4-23	P 7	123,4857	-3.07	1-15	Q18
121,7977	-3.52	3-21	R 5	122,1753	-3.65	2-18	Q 3		122,9065	-3.17	3-20	R 3		123,1643	-3.01	3-20	P 14	123,4862	-3.73	2-17	R 1
121,7995	-4.12	1-16	P 8	122,1761	-3.34	1-16	O21		122,9128	-3.13	3-20	P 24		123,1644	-3.68	1-15	R 7	123,4885	-3.61	2-17	R 2
121,8023	-4.07	3-21	P 3	122,1818	-3.54	2-18	P 4		122,9154	-3.01	3-20	Q 6		123,1650	-4.02	0-13	R 16	123,4870	-3.30	1-15	R20
121,8033	-3.41	3-21	Q 4	122,1836	-3.59	2-18	R 6		122,9169	-3.52	3-20	P 5		123,1670	-3.06	2-18	P 28	123,4874	-3.91	2-17	R 0
121,8098	-3.46	3-21	R 6	122,1850	-3.57	1-16	R23		122,9226	-3.12	3-20	R 8		123,1673	-4.24	0-13	P 12	123,4896	-3.51	2-17	R 3
121,8102	-3.65	1-16	O10	122,1854	-4.19	2-18	P 3		122,9323	-2.95	3-20	Q 7		123,1679	-2.80	4-23	Q 8	123,4932	-3.73	2-17	Q 1
121,8113	-3.82	1-16	R12	122,1939	-3.45	2-18	P 5		122,9348	-3.42	3-20	R 9		123,1685	-3.60	1-15	O 5	123,4951	-2.82	3-20	P21
121,8154	-3.89	3-21	P 4	122,1958	-3.54	2-18	R 7		122,9411	-3.08	3-20	R 9		123,1685	-3.60	1-15	P 5	123,4952	-3.85	0-13	R25
121,8158	-3.33	3-21	P 5	122,1979	-4.02	2-18	P 4		122,9463	-2.77	2-18	Q26		123,1721	-3.82	0-13	O 14	123,4952	-3.85	0-13	R25
121,8218	-4.07	1-16	P 9																		

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
123.6730	-3.21	2-17	P11	124.7317	-4.00	0-12	P 9	125.0100	-2.65	2-16	Q 9	125.3644	-2.18	4-21	Q18	126.0512	-1.95	3-18	G24
123.6865	-2.78	4-23	P19	124.7345	-3.54	0-12	Q11	125.0113	-2.38	4-21	P 8	125.3654	-3.16	3-18	Q 1	126.0572	-2.93	4-20	R 1
123.6875	-3.34	1-15	P21	124.7365	-3.61	1-14	P 6	125.0129	-2.84	4-21	P 7	125.3668	-2.86	1-18	R 4	126.0582	-3.11	4-20	R 0
123.6877	-2.78	2-17	Q13	124.7374	-3.23	1-14	R10	125.0131	-2.74	1-14	Q18	125.3677	-2.95	1-14	P24	126.0588	-2.81	4-20	R 2
123.6938	-2.98	2-17	R15	124.7427	-3.08	1-14	Q 8	125.0209	-3.08	2-16	P 8	125.3679	-2.55	2-16	R22	126.0627	-2.71	4-20	R 3
123.6953	-3.90	0-13	P25	124.7470	-3.69	0-12	R14	125.0258	-2.54	4-21	R10	125.3700	-2.94	3-18	Q 2	126.0641	-2.93	4-20	Q 1
123.7003	-3.54	0-13	Q27	124.7544	-3.53	1-14	P 7	125.0310	-2.78	2-16	R12	125.3712	-2.41	4-21	P17	126.0691	-2.71	4-20	G 2
123.7012	-2.97	1-15	Q23	124.7546	-3.94	0-12	P10	125.0311	-2.60	2-16	O10	125.3740	-2.83	1-14	R28	126.0694	-2.63	4-20	R 4
123.7031	-3.17	2-17	P12	124.7557	-3.20	1-14	R11	125.0346	-2.34	4-21	Q 9	125.3748	-2.79	3-18	R 5	126.0731	-2.19	3-18	R26
123.7185	-2.75	2-17	Q14	124.7571	-3.50	0-12	Q12	125.0350	-3.50	0-12	R23	125.3770	-2.59	1-14	Q26	126.0759	-3.41	4-20	P 2
123.7250	-2.95	2-17	R16	124.7607	-3.03	1-14	Q 9	125.0369	-2.77	4-21	P 8	125.3770	-2.79	3-18	Q 3	126.0765	-2.57	4-20	Q 3
123.7350	-3.13	2-17	P13	124.7712	-3.67	0-12	R15	125.0439	-3.02	2-16	P 9	125.3772	-3.64	3-18	P 2	126.0781	-2.57	4-20	R 5
123.7366	-3.32	1-15	P22	124.7741	-3.67	1-14	P 8	125.0440	-3.11	1-14	P17	125.3823	-3.14	0-12	Q28	126.0788	-2.30	3-18	P23
123.7501	-3.88	0-13	P26	124.7757	-3.16	1-14	R12	125.0471	-3.64	0-12	P19	125.3824	-3.50	0-12	P26	126.0862	-2.46	4-20	Q 4
123.7506	-2.95	1-15	Q24	124.7795	-3.90	0-12	P11	125.0477	-3.27	0-12	Q21	125.3837	-2.68	3-18	Q 4	126.0867	-3.11	4-20	P 3
123.7511	-2.72	2-17	Q15	124.7808	-2.99	1-12	Q10	125.0482	-2.95	1-14	R21	125.3850	-2.73	3-18	R 6	126.0900	-2.51	4-20	R 6
123.7587	-2.93	2-17	R17	124.7817	-3.47	0-12	Q13	125.0513	-2.50	4-21	R11	125.3876	-3.34	3-18	P 3	126.0989	-2.37	4-20	Q 5
123.7691	-3.09	2-17	P14	124.7960	-3.61	1-14	P 9	125.0513	-2.72	1-14	Q19	125.3909	-2.67	2-16	P19	126.1000	-2.93	4-20	P 4
123.7861	-2.69	2-17	Q16	124.7976	-3.64	0-12	R16	125.0543	-2.56	2-16	O11	125.3961	-2.60	3-18	O 5	126.1040	-2.46	4-20	R 7
123.7876	-3.30	1-15	P23	124.7978	-3.13	1-14	R13	125.0550	-2.75	2-16	R13	125.3974	-2.68	3-18	R 7	126.1097	-1.93	3-18	Q25
123.7947	-2.91	2-17	R18	124.8026	-2.95	1-14	Q11	125.0607	-2.29	4-21	O10	125.4006	-3.18	2-16	P 4	126.1138	-2.30	4-20	U 6
123.8020	-2.93	1-15	Q25	124.8062	-3.86	0-12	P12	125.0634	-2.71	4-21	P 9	125.4070	-2.29	2-16	Q21	126.1157	-2.81	4-20	P 3
123.8054	-3.86	0-13	P27	124.8082	-3.44	0-12	Q12	125.0690	-2.97	2-16	P10	125.4101	-2.52	3-18	Q 6	126.1205	-2.41	4-20	R 8
123.8055	-3.06	2-17	P15	124.8080	-3.36	1-14	P10	125.0761	-3.48	0-12	R24	125.4118	-2.64	3-18	R 8	126.1312	-2.23	4-20	Q 7
123.8231	-2.66	2-17	P17	124.8219	-3.11	1-14	R14	125.0794	-2.47	4-21	R12	125.4131	-3.04	3-18	P 5	126.1432	-2.71	4-20	P 6
123.8323	-2.89	2-17	R19	124.8255	-3.62	0-12	R17	125.0800	-2.53	2-16	O12	125.4139	-2.53	2-16	R23	126.1374	-2.28	3-18	P24
123.8407	-3.28	1-15	P24	124.8268	-2.91	1-14	Q12	125.0810	-2.72	2-16	R14	125.4146	-2.02	4-21	O19	126.1395	-2.37	4-20	R 9
123.8435	-3.03	2-17	P16	124.8349	-3.82	0-12	P12	125.0841	-3.08	1-14	P18	125.4217	-2.38	4-21	P18	126.1511	-2.18	4-20	Q 8
123.8626	-2.64	2-17	Q18	124.8367	-3.41	0-12	Q15	125.0879	-2.93	1-14	R22	125.4225	-2.93	1-14	P25	126.1550	-2.63	4-20	P 7
123.8644	-3.85	0-13	P28	124.8460	-3.31	1-14	P11	125.0894	-3.62	0-12	P20	125.4261	-2.46	3-18	Q 7	126.1611	-2.33	4-20	R10
123.8724	-2.87	2-17	R20	124.8480	-3.08	1-14	R17	125.0895	-2.25	4-21	O11	125.4286	-2.82	1-14	R29	126.1699	-1.91	3-18	Q26
123.8843	-3.00	2-17	P17	124.8528	-2.88	1-14	Q13	125.0896	-3.25	0-12	Q22	125.4288	-2.60	3-18	R 9	126.1733	-2.13	4-20	Q 9
123.8960	-3.26	1-15	P25	124.8558	-3.60	0-12	R18	125.0920	-2.70	1-14	Q20	125.4314	-2.94	3-18	P 6	126.1784	-2.57	4-20	P 8
123.9045	-2.62	2-17	Q19	124.8655	-3.78	0-12	P14	125.0925	-2.66	4-21	P10	125.4318	-2.57	1-14	Q27	126.1852	-2.30	4-20	R11
123.9149	-2.85	2-17	R21	124.8669	-3.38	0-12	Q16	125.0960	-2.93	2-16	P11	125.4374	-2.65	2-16	P20	126.1985	-2.09	4-20	W10
123.9271	-2.98	2-17	P18	124.8738	-3.27	1-14	R12	125.1077	-2.50	2-16	Q13	125.4386	-3.13	0-12	Q29	126.1993	-2.26	3-18	P25
123.9479	-2.60	2-17	Q20	124.8872	-3.08	1-14	R16	125.1092	-2.70	2-16	R15	125.4388	-3.48	0-12	P27	126.2042	-2.51	4-20	P 9
123.9534	-3.24	1-15	P26	124.8808	-2.85	1-14	R14	125.1101	-2.44	4-21	R13	125.4445	-2.41	3-18	Q 8	126.2117	-2.26	4-20	R12
123.9594	-2.83	2-17	R22	124.8875	-3.58	0-12	R19	125.1204	-3.47	0-12	R25	125.4480	-2.56	3-18	R10	126.2219	-3.12	5-23	R 0
123.9725	-2.95	2-17	P19	124.8980	-3.75	0-12	P15	125.1208	-2.22	4-21	Q12	125.4513	-2.86	3-18	P 7	126.2222	-2.94	5-23	R 1
123.9939	-2.58	2-17	Q21	124.8993	-3.35	0-12	Q17	125.1245	-2.61	4-21	P11	125.4545	-2.27	2-16	Q22	126.2259	-2.05	4-20	Q11
124.0067	-2.81	2-17	R23	124.9040	-3.23	1-14	P13	125.1252	-2.89	2-16	P12	125.4667	-2.36	3-18	Q 9	126.2264	-2.82	5-23	R 2
124.0202	-2.93	2-17	P20	124.9062	-3.03	1-14	R17	125.1261	-3.06	1-14	P19	125.4675	-2.00	4-21	Q20	126.2278	-2.94	5-23	Q 1
124.0421	-2.56	2-17	Q22	124.9087	-3.45	2-16	R 1	125.1307	-2.91	1-14	R23	125.4694	-2.52	3-18	R 12	126.2439	-2.57	5-23	Q 3
124.0557	-2.79	2-17	R24	124.9094	-3.32	2-16	R 2	125.1332	-3.60	0-12	P21	125.4732	-2.79	3-18	P 8	126.2330	-1.90	3-18	Q27
124.0694	-2.91	2-17	P21	124.9104	-3.63	2-16	R 0	125.1336	-3.23	0-12	Q23	125.4749	-2.36	4-21	P19	126.2339	-2.72	5-23	R 5
124.0925	-2.54	2-17	Q23	124.9109	-2.82	1-14	Q15	125.1342	-2.68	1-14	Q21	125.4793	-2.91	1-14	P26	126.2344	-2.72	5-23	R 3
124.1075	-2.78	2-17	R25	124.9119	-3.23	2-16	R 3	125.1376	-2.46	2-16	Q14	125.4863	-2.63	2-16	P21	126.2394	-2.64	5-23	R 4
124.1213	-2.89	2-17	P22	124.9141	-3.14	2-21	R 1	125.1396	-2.67	2-16	R16	125.4876	-2.32	3-18	Q10	126.2395	-3.42	5-23	P 2
124.1457	-2.52	2-17	Q24	124.9145	-3.31	4-21	R 0	125.1436	-2.41	4-21	R14	125.4879	-2.55	1-14	Q28	126.2409	-2.23	4-20	R13
124.1754	-2.87	2-17	P23	124.9161	-3.01	4-21	R 2	125.1547	-2.18	4-21	Q13	125.4934	-2.49	3-18	R 12	126.2439	-2.57	5-23	Q 3
124.2006	-2.50	2-17	P25	124.9163	-3.45	2-16	Q 1	125.1567	-2.85	2-16	P13	125.4959	-3.47	0-12	P28	126.2514	-3.12	5-23	P 3
124.2317	-2.85	2-17	P24	124.9166	-3.15	2-16	R 4	125.1590	-2.57	4-21	P12	125.4974	-2.73	3-18	P 9	126.2550	-2.57	5-23	R 5
124.2582	-2.48	2-17	Q26	124.9202	-3.14	4-21	O 1	125.1653	-3.45	0-12	R26	125.5040	-2.25	2-16	Q23	126.2559	-2.01	4-20	G12
124.2907	-2.83	2-17	P25	124.9205	-3.23	2-16	Q 2	125.1695	-2.44	2-16	Q15	125.5127	-2.28	3-18	Q11	126.2578	-2.46	5-23	Q 4
124.3515	-2.81	2-17	P26	124.9208</td															

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
126,3611	-1.92	4-20	Q15		126,5427	-3.48	0-11	P12		126,8192	-2.87	0-11	Q22		127,4518	-1.68	3-17	Q26	
126,3617	-4.52	0-11	P2		126,5431	-2,34	5-23	P13		126,8202	-2,45	2-15	P17		127,5876	-2.02	3-17	P25	
126,3625	-2.91	1-13	R10		126,5432	-3.06	0-11	Q14		126,8241	-3.24	0-11	P20		127,6501	-2.01	3-17	P26	
126,3642	-2.16	5-23	Q 9		126,5442	-2,50	2-15	R12		126,8250	-2.36	3-17	R 9		127,7155	-1.99	3-17	P27	
126,3650	-2.34	5-23	R10		126,5470	-2.33	2-15	Q10		126,8255	-2.23	3-17	Q 7		128,0221	-3.07	1-12	R 2	
126,3654	-3.57	0-11	R 7		126,5504	-2.18	4-20	P18		126,8299	-2.29	2-15	R21		128,0225	-3.19	1-12	R 1	
126,3655	-3.29	1-13	P 6		126,5512	-1.96	5-23	Q14		126,8304	-2.06	2-15	Q19		128,0236	-2.97	1-12	R 3	
126,3661	-3.57	0-11	Q 4		126,5542	-3.24	0-11	R17		126,8327	-2.70	3-17	P 6		128,0250	-3.37	1-12	R 0	
126,3703	-2.76	1-13	Q 8		126,5549	-2.19	5-23	R15		126,8345	-2.56	1-13	R25		128,0271	-2.89	1-12	R 4	
126,3711	-2.30	4-20	P14		126,5583	-2.69	1-13	R18		126,8420	-2.69	1-13	P21		128,0312	-3.19	1-12	Q 1	
126,3716	-4.24	0-11	P 3		126,5626	-2.75	2-15	P 9		126,8434	-3.09	0-11	R25		128,0323	-2.83	1-12	R 5	
126,3754	-3.48	0-11	Q 5		126,5639	-2.87	1-13	P14		126,8435	-2.17	3-17	Q 8		128,0350	-2.97	1-12	Q 2	
126,3760	-3.52	0-11	R 8		126,5674	-2.47	1-13	Q16		126,8440	-2.32	3-17	R10		128,0398	-2.77	1-12	R 6	
126,3799	-2.87	1-13	R11		126,5675	-2.47	2-15	R13		126,8446	-2.31	1-13	Q23		128,0408	-2.83	1-12	Q 3	
126,3830	-2.13	4-20	R17		126,5704	-2.29	2-15	Q11		126,8523	-2.63	3-17	P 7		128,0437	-3.67	1-12	P 2	
126,3833	-4.05	0-11	P 4		126,5716	-3.03	0-11	R15		126,8617	-2.42	2-15	P18		128,0442	-2.78	2-14	R 2	
126,3834	-3.21	1-13	P 7		126,5724	-3.44	0-11	P13		126,8626	-2.85	0-11	Q23		128,0443	-2.90	2-14	R 1	
126,3866	-3.41	0-11	O 6		126,5839	-3.22	0-11	R18		126,8635	-2.12	3-17	Q 9		128,0460	-2.68	2-14	R 3	
126,3881	-2.71	1-13	Q 9		126,5876	-2.70	2-15	P10		126,8648	-2.29	3-17	R11		128,0461	-3.08	2-14	R 0	
126,3885	-3.48	0-11	R 9		126,5878	-1.80	4-20	Q20		126,8679	-3.22	0-11	P21		128,0486	-2.72	1-12	Q 4	
126,3895	-2.52	5-23	P 9		126,5898	-2.30	5-23	P14		126,8674	-2.27	2-15	R22		128,0489	-2.72	1-12	R 7	
126,3954	-2.10	5-23	Q10		126,5919	-2.66	1-13	R19		126,8726	-2.04	2-15	Q20		128,0500	-2.60	2-14	R 4	
126,3965	-2.30	5-23	R11		126,5929	-2.45	2-15	R14		126,8737	-2.56	3-17	P 8		128,0523	-2.90	2-14	O 1	
126,3988	-3.92	0-11	P 5		126,5958	-2.25	2-15	C12		126,8738	-2.16	5-23	P19		128,0537	-3.37	1-12	P 3	
126,3992	-2.21	3-18	P28		126,5974	-2.84	1-13	P15		126,8828	-2.54	1-13	R26		128,0561	-2.54	2-14	R 5	
126,3995	-2.84	1-13	R12		126,5988	-1.93	5-23	Q15		126,8852	-2.08	3-17	Q10		128,0566	-2.68	2-14	Q 2	
126,3997	-3.35	0-11	O 7		126,6009	-2.44	1-13	P17		126,8878	-2.26	3-17	R12		128,0583	-2.63	1-12	O 5	
126,4013	-1.89	4-20	Q16		126,6019	-2.16	4-20	P19		126,8883	-3.07	0-11	R26		128,0600	-2.67	1-12	R 8	
126,4014	-3.44	0-11	R10		126,6029	-2.16	5-23	R16		126,8899	-2.66	1-13	P22		128,0628	-2.54	2-14	Q 3	
126,4033	-3.14	1-13	P 8		126,6032	-3.41	0-11	P14		126,8926	-2.30	1-13	Q24		128,0641	-2.48	2-14	R 6	
126,4077	-2.66	1-13	Q10		126,6033	-3.00	0-11	Q16		126,8977	-2.50	3-17	P 9		128,0646	-3.38	2-14	P 2	
126,4121	-2.26	4-20	P15		126,6147	-2.65	2-15	P15		126,9056	-2.39	2-15	P19		128,0658	-3.19	1-12	P 4	
126,4123	-3.82	0-11	P 6		126,6154	-3.20	0-11	R19		126,9076	-2.83	0-11	Q24		128,0698	-2.56	1-12	O 6	
126,4145	-3.29	0-11	O 8		126,6205	-2.42	2-15	R15		126,9102	-2.04	3-17	Q11		128,0708	-2.43	2-14	Q 4	
126,4187	-3.41	0-11	R11		126,6232	-2.22	2-15	Q13		126,9132	-2.23	3-17	R13		128,0731	-2.63	1-12	R 9	
126,4208	-2.81	1-13	R13		126,6274	-2.64	1-13	R20		126,9135	-3.20	0-11	P22		128,0743	-2.43	2-14	R 7	
126,4228	-2.46	5-23	P10		126,6301	-2.98	0-11	P17		126,9169	-2.02	2-15	Q21		128,0752	-3.08	2-14	P 3	
126,4249	-2.11	4-20	R18		126,6333	-2.81	1-13	P16		126,9199	-2.25	2-15	R23		128,0798	-3.07	1-12	P 5	
126,4251	-3.08	1-13	P 9		126,6355	-3.38	0-11	P15		126,9237	-2.45	3-17	P10		128,0810	-2.34	2-14	Q 5	
126,4276	-3.17	2-15	R1		126,6366	-2.42	1-13	Q18		126,9387	-2.01	3-17	Q12		128,0834	-2.50	1-12	Q 7	
126,4282	-3.05	2-15	R2		126,6393	-2.27	5-23	P15		126,9391	-2.64	1-13	P23		128,0866	-2.38	2-14	R 8	
126,4293	-3.35	2-15	R 0		126,6444	-2.61	2-15	P15		126,9403	-2.20	3-17	R14		128,0876	-2.90	2-14	P 4	
126,4294	-2.63	1-13	Q11		126,6485	-3.18	0-11	R20		126,9427	-2.28	1-13	Q25		128,0882	-2.59	1-12	R 10	
126,4295	-2.06	5-23	O11		126,6488	-1.90	5-23	Q16		126,9514	-2.40	3-17	P11		128,0933	-2.27	2-14	R 6	
126,4296	-3.74	0-11	P 7		126,6498	-2.39	2-15	R16		126,9517	-2.37	2-15	P20		128,0958	-2.97	1-12	P 6	
126,4303	-2.95	2-15	R5		126,6526	-2.19	2-15	Q14		126,9549	-2.81	0-11	Q25		128,0989	-2.44	1-12	R 8	
126,4312	-2.27	5-23	R12		126,6557	-2.13	4-20	P20		126,9611	-3.18	0-11	P23		128,1010	-2.34	2-14	Q 5	
126,4312	-3.24	0-11	Q 1		126,6561	-2.14	2-15	R22		126,9632	-2.00	2-15	Q22		128,1017	-2.78	2-14	P 5	
126,4352	-2.87	2-15	R 4		126,6643	-2.63	1-13	R21		126,9636	-2.23	2-15	R24		128,1051	-2.56	1-12	R 11	
126,4353	-3.17	2-15	O 1		126,6649	-2.95	0-11	Q18		126,9655	-1.97	3-17	R13		128,1074	-2.21	2-14	Q 7	
126,4372	-3.38	0-11	R12		126,6701	-3.35	0-11	P16		126,9702	-2.17	3-17	R15		128,1136	-2.89	1-12	P 7	
126,4397	-2.95	2-15	Q 2		126,6710	-2.78	1-13	P13		126,9824	-2.34	1-13	P12		128,1163	-2.39	1-12	Q 9	
126,4427	-2.80	2-15	R 5		126,6736	-2.57	2-15	P13		126,9914	-2.63	1-13	P24		128,1172	-2.30	2-14	R 10	
126,4439	-1.87	4-20	Q17		126,6741	-2.40	1-13	Q19		126,9933	-2.26	1-13	Q26		128,1182	-2.68	2-14	P 6	
126,4444	-2.78	1-13	R14		126,6816	-2.37	2-15	R17		126,9971	-1.94	3-17	Q14		128,1238	-2.15	2-14	Q 8	
126,4463	-2.80	2-15	Q 3		126,6836	-2.16	2-15	Q15		126,9999	-2.35	2-15	P21		128,1241	-2.53	1-12	R 12	
126,4474	-3.65	2-15	P 2		126,6837	-3.16	0-11	P21		126,1022	-2.14	3-17	R16		128,1334	-2.83	1-12	P 8	
126,4488	-3.68	0-11	P 8		126,6928	-2.24	5-23	P16		127,0038	-2.80	0-11	Q26		128,1356	-2.35	1-12	Q 10	
126,4488	-2.75	2-15	R 6		126,7008	-2.93	3-17	R 2		127,0107	-3.16	0-11	P24		128,1358	-2.27	2-14	R 11	
126,4489	-3.03	1-13	P10		126,7028	-1.87	5-23	Q17		127,0118	-1.98	2-15	Q23		128,1366	-2.60	2-14	P 7	
126,4499	-3.20	0-11	Q10		126,7042	-2.61	1-13	R22		127,0153	-2.32	3-17	P14		128,1424	-2.10	2-14	Q 9	
126,4529	-2.59	1-13	Q12		126,7075	-2.54	2-15	P14		127,0306	-1.91	3-17	Q15		128,1450	-2.50	1-12	R 13	
126,4544	-2.70	2-15	R 7		126,7172	-2.13	2-												

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
128.3945	-2.08	-2-21	P11	128.6793	-1.59	3-16	O19	129.0037	-2.22	1-12	P29	129.5878	-1.29	4-18	O27	129.8921	-2.37	1-11	R8
128.3952	-2.04	-2-14	R20	128.6825	-1.82	3-16	R21	129.0058	-1.95	2-14	P28	129.5940	-1.92	5-20	P11	129.8928	-2.33	1-11	O5
128.3958	-2.21	-2-14	P16	128.6879	-2.55	4-18	R1	129.0089	-2.74	0-10	P27	129.5951	-2.32	6-23	P6	129.8980	-1.93	3-15	O5
128.3975	-2.28	3-16	P9	128.6890	-1.43	4-18	R2	129.0115	-1.60	2-14	Q30	129.6013	-1.72	5-20	R14	129.8988	-2.22	2-13	P9
128.3979	-2.08	1-12	Q19	128.6893	-2.73	4-18	R0	129.0119	-1.51	4-18	Q16	129.6024	-2.01	6-23	R8	129.8999	-1.52	6-23	Q15
128.3992	-2.47	1-12	P17	128.6896	-2.33	4-18	R3	129.0180	-1.82	3-16	P24	129.6034	-1.84	6-23	O7	129.9014	-2.89	1-11	P4
128.4013	-1.81	2-14	O18	128.6928	-1.49	5-21	O19	129.0203	-2.62	0-10	R32	129.6189	-1.49	5-20	Q13	129.9021	-1.77	2-13	Q11
128.4065	-2.00	3-16	R13	128.6955	-2.55	4-18	O1	129.0221	-1.73	4-18	R18	129.6218	-1.63	4-18	P26	129.9033	-1.76	6-23	R16
128.4073	-1.82	3-16	Q11	128.6963	-2.25	4-18	R4	129.0311	-1.98	4-18	P15	129.6235	-2.24	6-23	P7	129.9041	-2.49	3-15	P4
128.4114	-2.66	0-10	Q15	128.6967	-2.19	1-12	R28	129.0499	-2.37	0-10	Q30	129.6284	-1.88	5-20	P12	129.9043	-2.25	1-11	Q6
128.4124	-1.87	5-21	R14	128.6971	-2.48	0-10	Q23	129.0521	-1.48	4-18	Q17	129.6285	-1.97	6-23	R9	129.9048	-2.33	1-11	R9
128.4163	-3.07	0-10	P13	128.7002	-2.33	4-18	O2	129.0636	-1.71	4-18	R19	129.6290	-1.78	6-23	Q8	129.9051	-1.97	3-15	R8
128.4196	-2.85	0-10	R18	128.7013	-1.85	5-21	P18	129.0660	-2.72	0-10	P28	129.6365	-1.69	5-20	R15	129.9113	-1.85	3-15	Q6
128.4219	-2.29	1-12	R22	128.7045	-2.18	4-18	R5	129.0680	-2.21	1-12	P30	129.6522	-2.17	6-23	P8	129.9154	-2.76	1-11	P5
128.4234	-2.22	3-16	P10	128.7074	-2.18	4-18	O3	129.0698	-1.93	2-14	P29	129.6550	-1.46	5-20	Q14	129.9157	-1.92	2-13	R14
128.4248	-1.65	5-21	Q13	128.7077	-3.03	4-18	P2	129.0726	-1.85	4-18	P16	129.6574	-1.74	6-23	Q9	129.9176	-2.19	1-11	Q7
128.4302	-2.04	5-21	P12	128.7093	-1.95	3-16	P18	129.0772	-2.61	0-10	R33	129.6576	-1.94	6-23	R10	129.9179	-2.29	1-11	R10
128.4332	-1.97	3-16	R14	128.7115	-2.85	0-10	P21	129.0776	-1.80	3-16	P25	129.6655	-1.85	5-20	P13	129.9188	-2.37	3-15	P5
128.4337	-1.78	3-16	Q12	128.7142	-2.07	4-18	Q4	129.0946	-1.46	4-18	Q18	129.6742	-1.67	5-20	R16	129.9204	-1.93	3-15	R9
128.4349	-2.18	2-14	P17	128.7142	-1.92	2-14	R27	129.1073	-1.69	4-18	R20	129.6840	-2.11	6-23	P9	129.9234	-2.17	2-13	P10
128.4349	-2.02	2-14	R21	128.7146	-1.95	1-12	Q26	129.1084	-2.35	0-10	Q31	129.6896	-1.69	6-23	Q10	129.9262	-1.73	2-13	Q12
128.4365	-2.06	1-12	Q20	128.7149	-2.04	2-14	P23	129.1166	-1.82	4-18	P17	129.6901	-1.61	4-18	P27	129.9263	-1.79	3-15	Q7
128.4387	-2.44	1-12	P18	128.7149	-2.13	4-18	R6	129.1300	-2.70	0-10	P29	129.6901	-1.90	6-23	R11	129.9273	-1.31	5-20	Q20
128.4405	-1.79	2-14	Q19	128.7164	-2.70	0-10	R26	129.1367	-1.92	2-14	P30	129.6937	-1.43	5-20	Q15	129.9314	-2.67	1-11	P6
128.4412	-2.63	0-10	Q16	128.7165	-2.31	1-12	P24	129.1391	-1.44	4-18	Q19	129.7051	-1.81	5-20	P14	129.9329	-2.14	1-11	Q8
128.4467	-3.04	0-10	P16	128.7178	-2.73	4-18	P3	129.1534	-1.67	4-18	R21	129.7149	-1.65	5-20	R17	129.9355	-2.25	1-11	R11
128.4494	-1.85	5-21	R15	128.7206	-1.67	2-14	Q25	129.1630	-1.80	4-18	P18	129.7185	-2.06	6-23	P10	129.9364	-2.27	3-15	P6
128.4513	-2.18	3-16	P11	128.7234	-1.57	3-16	O20	129.1666	-2.34	0-10	Q32	129.7248	-1.65	6-23	Q11	129.9384	-1.89	3-15	R10
128.4516	-2.83	0-10	R19	128.7270	-1.99	4-18	O5	129.1848	-2.69	0-10	P30	129.7259	-1.87	6-23	R12	129.9417	-1.90	2-13	R15
128.4620	-2.27	1-12	R23	128.7271	-1.80	3-16	R22	129.1868	-1.42	4-18	P20	129.7351	-1.41	5-20	Q16	129.9426	-1.87	6-23	P15
128.4621	-1.95	3-11	R15	128.7276	-2.07	4-18	R7	129.2013	-1.65	4-18	R22	129.7475	-1.78	5-20	P15	129.9432	-1.67	5-20	P19
128.4622	-1.75	3-16	Q13	128.7320	-2.55	4-18	P4	129.2054	-1.90	2-14	P31	129.7568	-2.01	6-23	P11	129.9446	-1.74	3-15	Q8
128.4625	-1.62	5-21	O14	128.7344	-1.91	4-18	Q6	129.2117	-1.77	4-18	P19	129.7579	-1.62	5-20	R18	129.9493	-2.59	1-11	P7
128.4685	-2.00	5-21	P13	128.7422	-2.46	0-10	P24	129.2293	-2.33	0-10	Q33	129.7613	-1.60	4-18	P28	129.9499	-2.13	2-13	P11
128.4733	-2.61	0-10	Q17	128.7423	-2.03	4-18	R8	129.2367	-1.40	4-18	R21	129.7619	-2.52	2-13	R3	129.9500	-2.09	1-11	Q9
128.4755	-2.00	2-14	R22	128.7449	-2.43	4-18	P5	129.2465	-2.67	0-10	P31	129.7620	-2.65	2-13	R1	129.9516	-1.50	6-23	Q16
128.4762	-2.15	2-14	P18	128.7473	-1.47	5-21	P20	129.2526	-1.63	4-18	R23	129.7634	-1.62	6-23	Q12	129.9526	-1.70	2-13	Q13
128.4780	-2.04	1-12	P21	128.7550	-1.92	3-16	P19	129.2625	-1.75	4-18	P20	129.7636	-2.43	2-13	R3	129.9544	-2.22	1-11	R12
128.4790	-3.01	0-10	P15	128.7563	-1.82	5-21	P19	129.2891	-1.38	4-18	Q22	129.7645	-2.83	2-13	R0	129.9558	-1.85	3-15	R11
128.4798	-2.42	1-12	P19	128.7566	-2.83	0-10	P22	129.2946	-2.31	0-10	Q34	129.7651	-1.84	6-23	R13	129.9566	-2.19	3-15	P7
128.4813	-2.14	3-16	P12	128.7570	-1.85	4-18	Q7	129.3065	-1.61	4-18	P18	129.7815	-2.06	6-23	P2	129.9584	-1.74	2-13	R17
128.4823	-1.77	2-14	Q20	128.7597	-1.99	4-18	R9	129.3123	-2.66	0-10	P32	129.7835	-3.13	2-13	R4	129.9583	-2.13	6-23	R17
128.4838	-2.81	0-10	R20	128.7635	-1.93	1-12	Q27	129.3164	-1.73	4-18	P21	129.7731	-2.28	2-13	R5	129.9691	-2.04	1-11	Q10
128.4849	-1.82	5-21	R16	128.7639	-2.33	4-18	P6	129.3432	-1.36	4-18	Q23	129.7747	-2.43	2-13	Q2	129.9691	-2.52	1-11	P8
128.4928	-1.72	3-16	Q16	128.7675	-2.69	0-10	R27	129.3621	-1.60	4-18	P20	129.7790	-1.38	5-20	Q17	129.9698	-1.87	2-13	R16
128.4932	-1.92	3-16	R16	128.7680	-2.02	2-14	P24	129.3726	-1.71	4-18	P22	129.7809	-2.22	2-13	R6	129.9746	-2.19	1-11	R13
128.4942	-2.58	0-10	Q18	128.7684	-1.90	2-14	R28	129.3779	-2.65	0-10	P33	129.7810	-2.28	2-13	Q3	129.9754	-2.12	3-15	P8
128.5031	-1.59	5-21	O15	128.7696	-1.55	3-16	O21	129.3806	-2.45	5-20	R1	129.7835	-3.13	2-13	P2	129.9780	-1.82	3-15	R12
128.5041	-2.26	1-12	R24	128.7697	-2.29	1-12	P25	129.3817	-2.62	5-20	R0	129.7890	-2.17	2-13	Q4	129.9785	-2.09	2-13	P12
128.5095	-1.96	5-21	P14	128.7742	-1.78	3-16	R23	129.3822	-2.32	5-20	R2	129.7909	-2.17	2-13	R7	129.9807	-1.66	2-13	Q14
128.5138	-2.10	3-16	P13	128.7748	-1.66	2-14	P26	129.3861	-2.23	5-20	P3	129.7924	-1.75	5-20	P16	129.9822	-1.65	3-15	Q10
128.5141	-2.98	0-10	P16	128.7767	-1.80	4-18	Q8	129.3879	-2.45	5-20	P1	129.7938	-2.83	2-13	P3	129.9880	-2.01	1-11	Q11
128.5141	-2.79	0-10	R21	128.7793	-1.95	4-18	R10	129.3929	-2.23	5-20	Q2	129.7982	-1.97	6-23	P12	129.9908	-2.46	1-11	P9
128.5193	-1.98	2-14	R23	128.7843	-2.25	4-18	P7	129.3930	-2.15	5-20	P4	129.7991	-2.09	2-13	Q5	129.9973	-2.16	1-11	R14
128.5194	-2.13	2-14	P19	128.7887	-2.44	0-10	P20	129.4002	-2.92	5-20	P2	129.8025	-2.13	2-13	R8	129.9980	-1.84	6-23	P16
128.5211	-2.02	1-12	Q22	128.7976	-1.75	4-18	O9	129.4006	-2.08	5-20	Q3	129.8038	-1.60	5-20	R19				

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
130_1438	-2.94	0	9	R 5	130_3217	-1.68	4-17	R13	130_7311	-1.57	3-15	P26	131_6546	-1.81	2-12	R10	131_6503	-2.60	1-10	P 4				
130_1468	-3.31	0	9	Q 1	130_3252	-1.95	1-11	R24	130_7321	-1.58	4-17	P20	131_6585	-1.66	3-14	R11	131_8518	-1.96	1-10	P 9				
130_1486	-1.85	3-15	P14	130_3279	-1.83	2-13	P21	130_7348	-2.08	0	9	Q25	131_6616	-2.00	3-14	P 7	131_8524	-1.43	4-16	O 9				
130_1500	-2.89	0	9	R 6	130_3280	-1.45	2-13	Q23	130_7460	-2.31	0	9	R28	131_6621	-1.73	6-21	R 9	131_8544	-1.66	3-14	P14			
130_1505	-3.09	0	9	O 2	130_3348	-2.33	0	9	Q14	130_7513	-1.20	4-17	Q22	131_6647	-2.19	2-12	P 6	131_8585	-1.26	3-14	Q16			
130_1520	-1.92	2-13	P17	130_3349	-1.90	4-17	P10	130_7540	-2.45	0	9	P23	131_6666	-1.50	3-14	O 9	131_8635	-2.00	1-10	R10				
130_1531	-1.54	2-13	Q19	130_3370	-2.51	0	9	R17	130_7608	-1.44	4-17	R24	131_6670	-1.66	2-12	Q 8	131_8638	-1.31	6-21	Q14				
130_1531	-1.67	3-15	R18	130_3425	-2.75	0	9	P12	130_7704	-1.94	1-11	P28	131_6718	-1.78	2-12	R11	131_8643	-2.48	1-10	P 5				
130_1537	-1.82	1-11	Q17	130_3475	-1.71	1-11	Q22	130_7823	-2.06	0	9	Q26	131_6725	-1.55	6-21	O 8	131_8649	-1.90	1-10	Q 7				
130_1559	-2.94	0	9	O 3	130_3494	-1.46	4-17	Q12	130_7843	-1.56	4-17	P21	131_6753	-2.00	6-21	P 7	131_8657	-1.86	4-16	P 8				
130_1571	-1.45	3-15	Q16	130_3494	-1.65	4-17	R14	130_7948	-2.30	0	9	R29	131_6793	-1.63	3-14	R12	131_8657	-1.37	2-12	Q16				
130_1580	-2.83	0	9	R 7	130_3526	-1.71	3-15	P19	130_8026	-2.43	0	9	P24	131_6826	-1.93	3-14	P 8	131_8679	-1.78	2-12	P14			
130_1598	-3.79	0	9	P 2	130_3552	-2.09	1-11	P20	130_8045	-1.19	4-17	Q23	131_6830	-2.11	2-12	P 7	131_8709	-1.70	6-21	P13				
130_1613	-2.22	1-11	P15	130_3594	-1.57	3-15	R23	130_8153	-1.43	4-17	R25	131_6848	-1.61	2-12	Q 9	131_8718	-1.56	4-16	R12					
130_1631	-2.83	0	9	Q 4	130_3620	-2.30	0	9	Q15	130_8318	-2.05	0	9	Q27	131_6863	-1.70	6-21	R10	131_8747	-1.38	4-16	Q10		
130_1637	-2.38	4-17	R 1	130_3621	-1.33	3-15	Q21	130_8392	-1.54	4-17	P22	131_6877	-1.45	3-14	O10	131_8795	-1.96	1-10	R11					
130_1637	-2.26	4-17	R 2	130_3635	-1.86	4-17	P11	130_8459	-2.28	0	9	R30	131_6911	-1.74	2-12	R12	131_8799	-1.85	1-10	Q 8				
130_1651	-2.56	4-17	R 0	130_3638	-1.68	2-13	R26	130_8529	-2.41	0	9	P25	131_6972	-1.50	6-21	P 9	131_8803	-2.38	1-10	P 6				
130_1669	-2.16	-1-17	R 3	130_3649	-2.49	0	9	R18	130_8607	-1.17	4-17	Q24	131_7009	-1.93	6-21	P 8	131_8820	-1.57	2-12	R19				
130_1677	-2.79	0	9	R 8	130_3688	-1.94	1-11	R25	130_8832	-2.03	0	9	Q28	131_7023	-1.60	3-14	R13	131_8856	-1.45	3-14	R19			
130_1698	-2.02	1-11	R20	130_3707	-2.71	0	9	P13	130_8966	-1.52	4-17	P23	131_7035	-2.04	2-12	P 8	131_8902	-1.80	4-16	P 9				
130_1700	-3.49	0	9	P 3	130_3768	-1.43	4-17	Q13	130_8981	-2.27	0	9	R31	131_7047	-1.57	2-12	O10	131_8902	-1.52	6-21	R16			
130_1714	-2.38	4-17	O 1	130_3771	-1.80	2-13	P22	130_9052	-2.39	0	9	P26	131_7059	-1.87	3-14	P 9	131_8904	-1.63	3-14	P15				
130_1720	-2.08	4-17	R 4	130_3772	-1.44	2-13	C24	130_9187	-1.15	4-17	Q25	131_7107	-1.41	3-14	O11	131_8944	-1.23	3-14	L14					
130_1722	-2.75	0	9	Q 5	130_3801	-1.63	4-17	R15	130_9358	-2.02	0	9	Q29	131_7124	-1.71	2-12	R13	131_8968	-1.80	1-10	Q 9			
130_1742	-2.16	-1-17	R 2	130_3809	-2.27	0	9	R16	130_9527	-2.26	0	9	R32	131_7132	-1.66	6-21	R11	131_8969	-1.53	4-16	R13			
130_1791	-2.75	0	9	R 9	130_3919	-1.69	1-11	Q23	130_9563	-1.50	4-17	P24	131_7251	-1.45	6-21	O10	131_8975	-1.93	1-10	R12				
130_1796	-2.01	4-17	R 5	130_3947	-2.47	0	9	R19	130_9593	-2.37	0	9	P27	131_7259	-1.99	2-12	P 9	131_8982	-2.30	1-10	P 7			
130_1812	-1.75	2-13	R 3	130_3955	-1.82	4-17	P12	130_9796	-1.13	4-17	Q26	131_7265	-1.53	2-12	O11	131_8992	-1.35	2-12	Q17					
130_1820	-3.31	0	9	P 4	130_4000	-1.69	3-15	P20	130_9912	-2.00	0	9	Q30	131_7274	-1.57	3-14	R14	131_8997	-1.35	2-12	P15			
130_1826	-2.01	4-17	Q 3	130_4003	-2.07	1-11	P21	131_0154	-2.36	0	9	P28	131_7292	-1.87	6-21	P 9	131_9024	-1.74	2-12	P15				
130_1829	-2.67	0	9	O 6	130_4008	-2.67	0	9	P14	131_0189	-1.48	4-17	P25	131_7314	-1.82	3-14	P10	131_9056	-1.28	6-21	Q15			
130_1840	-2.88	4-17	P 2	130_4073	-1.55	3-15	R24	131_0484	-1.99	0	9	Q31	131_7357	-1.69	2-12	R14	131_9133	-1.66	2-12	P14				
130_1851	-1.82	3-15	P15	130_4094	-1.40	4-17	Q14	131_0735	-2.34	0	9	P29	131_7362	-1.38	3-14	D12	131_9157	-1.76	1-10	Q10				
130_1853	-1.76	6-23	P18	130_4097	-1.31	3-15	Q22	131_0833	-1.46	4-17	P26	131_7429	-1.63	6-21	R12	131_9169	-1.75	4-16	P19					
130_1881	-1.75	2-13	R23	130_3955	-1.82	4-17	P12	130_9796	-1.13	4-17	Q26	131_7452	-2.23	4-16	R 1	131_9174	-1.90	1-10	R13					
130_1894	-1.80	4-17	O 1	130_3971	-1.80	2-13	P22	130_9912	-2.00	0	9	Q30	131_7454	-2.10	4-16	R 2	131_9179	-2.23	1-10	P 8				
130_1900	-1.65	3-15	R19	130_3981	-2.17	2-24	0	9	Q17	131_1506	-1.44	4-17	P27	131_7472	-2.41	4-16	R 0	131_9180	-1.55	2-12	R20			
130_1920	-1.90	4-17	R 7	130_4024	-2.45	0	9	R20	131_1691	-1.94	0	9	Q33	131_7481	-2.01	4-16	R 3	131_9235	-1.43	3-14	R20			
130_1926	-2.71	0	9	R10	130_4277	-1.78	2-13	P23	131_1949	-2.31	0	9	P31	131_7503	-1.94	2-12	P10	131_9241	-1.50	4-16	R14			
130_1929	-1.90	2-13	P18	130_4287	-1.42	2-13	Q25	131_2053	-2.30	0	9	P32	131_7503	-1.49	2-12	Q12	131_9263	-1.31	4-16	Q12				
130_1934	-1.42	3-15	O17	130_4294	-1.78	4-17	P13	131_3249	-2.28	0	9	P33	131_7528	-1.93	4-16	R 4	131_9286	-1.60	3-14	P16				
130_1938	-1.51	2-13	Q20	130_4327	-2.64	0	9	P15	131_3928	-2.27	0	9	P34	131_7536	-2.23	4-16	O 1	131_9324	-1.21	3-14	Q18			
130_1951	-2.56	4-17	P 3	130_4381	-1.68	1-11	P24	131_5655	-2.17	3-14	R 2	131_7547	-1.55	3-14	R15	131_9341	-1.50	6-21	K17					
130_1957	-3.19	0	9	P 5	130_4471	-2.04	1-11	P22	131_5673	-2.08	3-14	R 3	131_7580	-2.01	4-16	G 2	131_9386	-1.72	1-10	G11				
130_1969	-2.19	1-11	P16	130_4483	-1.58	4-17	R17	131_5677	-2.47	3-14	R 0	131_7590	-1.78	3-14	P11	131_9388	-1.71	2-12	P16					
130_2013	-1.90	4-17	R 7	130_4497	-1.67	3-15	P21	131_5690	-2.30	6-21	R 1	131_7599	-1.85	4-16	R 5	131_9396	-2.17	1-10	P 9					
130_2034	-1.82	4-17	Q 7	130_4504	-2.22	0	9	Q18	131_5695	-2.47	6-21	R 0	131_7603	-1.82	6-21	P10	131_9402	-1.87	1-10	R14				
130_2057	-2.01	1-11	R21	130_4595	-1.40	3-15	Q23	131_5710	-2.17	6-21	R 2	131_7610	-1.66	2-12	R15	131_9456	-1.71	4-16	P11					
130_2077	-2.38	4-17	P 4	130_4598	-2.43	0	9	R21	131_5713	-2.00	3-14	R 4	131_7635	-1.34	3-14	O 13	131_9501	-1.26	6-21	Q16				
130_2077	-2.67	0	9	R11	130_4656	-1.74	4-17	P14	131_5742	-2.30	3-14	O 1	131_7650	-1.86	4-16	P 3	131_9537	-1.48	1-10	R15				
130_2101	-2.56	0	9	O 8	130_4664	-2.61	0	9	P16	131_5757	-2.08	6-21	R 3	131_7665	-2.71	4-16	P 2	131_9555	-1.53	2-12	R21			
130_2113	-3.09	0	9	P 6	130_4805	-1.40	2-13	Q26	131_5758	-2.30	6-21	O 1	131_7692	-1.80	4-16	R 6	131_9556	-1.28	4-16	K16				
130_2155	-1.86	4-17	R 8	130_4808	-1.34	4-17	O16	131_5774	-1.93	3-14	R 5	131_7738	-1.75	4-16	O 4	131_9585	-1.63	6-21	P15					
130_2173	-1.74	4-17	Q 6	130_4815	-1.77	2-13	P24	131_5787	-2.08	3-14	O 2	131_7754	-1.60	6-21	R12	131_9590	-1.68	1-10	Q19					
130_2234	-2.26	4-17	P 5	130_4862	-1.56	4-17	R18	131_5816	-2.08	6-21	O 2	131_7762	-1.46	2-12	R13	131_9596	-1.85	1-10	R15					
130_2238	-1.79	3-15	P16	130_5045	-1.66	1-11	Q25	131_5883	-2.00	6-21	R 4	131_7776	-1.89	2-12	P11	131_9631	-2.12	1-10	P 10					
130_2240	-1.73	2-13	R23	130_5089	-2.20	0	9	Q19	131_5890	-1.93	3-14	R 3	131_7789	-2.41	6-21	O 12	131_9642	-1.41	3-14	R21				
130_2247	-2.64	4-17	Q 7	130_5252	-2.18	0	9	R20	131_5911	-2.59	2-12	R 0	131_7930	-1.31	3-14	O 14	131_9856	-1.45	4-16	R16				
130_2259	-2.21	1-11	P17	130_5257	-1.54	4-17	R19	131_5927	-2.11	2-12	R 4	131_79												

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ																			
132.1017	-1.53	1-10	O17	132.2942	-1.53	5-18	R12	132.5978	-1.68	1-10	P26	132.9879	-1.37	6-20	O10	133.4262	-2-13	3-13	P 4	132.1026	-1.50	3-14	P20	132.2943	-1.29	0- 8	R12	132.5988	-1.44	2-12	P29	132.9955	-1.79	6-20	P 9	133.4306	-1-50	3-13	Q 6				
132.1049	-1.61	2-12	P20	132.2983	-1.17	2-12	Q26	-132.5991	-1.56	1-10	R31	132.9963	-1.67	0- 8	Q29	133.4336	-1-68	7-23	P 16	132.1072	-1.12	3-14	Q22	132.2998	-2.16	0- 8	Q9	132.6145	-2.21	0- 8	P18	132.9984	-2.26	7-23	P 5	133.4345	-1-57	3-13	R 9				
132.1093	-1.74	1-10	R20	132.3014	-1.65	1-10	R25	132.6176	-1.08	5-18	Q19	132.9998	-1.55	6-20	R12	133.4360	-2-11	4-15	R 1	132.1097	-1.93	1-10	P15	132.3027	-1.77	5-18	P 9	132.6219	-1.33	3-14	P29	133.0002	-1-90	7-23	R 7	133.4363	-1-98	4-15	R 2				
132.1114	-1.55	6-21	P18	132.3028	-1.80	1-10	P20	132.6302	-1.31	5-18	R21	133.0013	-1-75	7-23	Q 6	133.4379	-2-28	4-15	R 0	132.1126	-1.51	1-10	Q18	132.3039	-1.53	2-12	P24	132.6310	-2.02	0- 6	R24	-133.0022	-1-90	0- 8	R32	133.4383	-1-89	4-15	R 3				
132.1240	-1.53	4-16	P16	132.3040	-2.66	0- 8	P7	132.6317	-1.80	0- 6	Q21	133.0123	-0.95	5-18	P24	132.6542	-1.66	1-10	P27	133.0231	-1-86	7-23	R 8	133.4465	-2-11	4-15	O 1																
132.1254	-1.46	2-12	R25	132.3055	-1.30	3-14	R28	-132.6345	-1.31	1-10	Q29	133.0164	-2-16	7-23	P 6	133.4426	-1-32	7-23	Q17	132.1258	-1.14	4-16	Q18	132.3078	-1.43	4-16	P20	132.6440	-1.45	5-18	P18	133.0170	-1-33	6-20	D11	133.4433	-1-81	4-15	K 4				
132.1258	-1.36	4-16	R20	132.3116	-1.41	3-14	P24	132.6542	-1.66	1-10	P27	133.0231	-1-86	7-23	R 8	133.4465	-2-11	4-15	O 1	132.1401	-1.72	1-10	R21	132.3126	-1.26	0- 8	R13	132.6562	-2.18	0- 8	P19	133.0246	-1-68	7-23	T 7	133.4452	-1-43	3-13	Q 7				
132.1458	-1.90	1-10	P16	132.3156	-1.05	3-14	Q26	-132.6570	-1.55	1-10	R32	133.0257	-1-74	6-20	P10	133.4492	-1-89	4-15	Q 2	132.1460	-1.22	2-12	Q23	132.3171	-1.31	5-18	Q11	132.6664	-1.43	2-12	P30	-133.0298	-2-02	0- 8	P27	133.4506	-1-53	3-13	R10				
132.1463	-1.34	3-14	R25	132.3175	-2.11	0- 8	Q10	132.6667	-1.06	5-18	Q20	133.0305	-1-52	6-20	R13	133.4510	-1-74	4-15	R 5	132.1511	-1.59	2-12	P21	132.3216	-1.05	4-16	Q22	-133.0330	-1-57	1-10	P33	133.4561	-1-74	4-15	O 3								
132.1521	-1.47	3-14	P21	132.3216	-1.50	5-18	R13	-132.6718	-2.00	0- 8	R25	133.0458	-2.08	7-23	P 7	-133.4562	-1-92	0- 8	P34	132.1533	-2.20	5-18	R 1	132.3233	-2.59	0- 8	P8	132.6793	-1.30	5-18	R22	133.0482	-1-30	5-18	P25	133.4571	-1-68	4-15	R 6				
132.1544	-2.07	5-18	R 2	132.3305	-1.72	5-18	P10	132.6907	-1.31	3-14	P30	133.0489	-1-30	6-20	R20	133.4577	-2-58	4-15	P 2	132.1549	-1.98	5-18	R 3	132.3307	-1.41	1-10	Q23	132.6921	-2.16	0- 8	P20	133.0500	-1-82	7-23	R 9	133.4582	-1-91	3-13	P 6				
132.1549	-2.38	5-18	R 0	132.3327	-2.23	0- 8	R14	-132.6921	-1.29	1-10	Q30	133.0511	-1-63	7-23	Q 8	133.4617	-1-38	3-13	Q 8	132.1552	-1.10	3-14	Q23	132.3371	-2.07	0- 8	Q11	132.6942	-1.42	5-18	P19	133.0546	-1-65	0- 8	Q30	133.4647	-1-63	4-15	Q 4				
132.1575	-1.16	6-21	Q20	132.3442	-2.53	0- 8	P9	132.7128	-1.65	1-10	P28	-133.0585	-1-89	0- 8	R33	133.4686	-1-63	4-15	K 7	132.1613	-2.20	5-18	R 1	132.3459	-1.28	5-18	P12	132.7133	-1.76	0- 8	Q23	133.0583	-1-69	6-20	P11	133.4687	-1-50	3-13	R11				
132.1617	-1.90	5-18	R 4	132.3465	-1.63	1-10	R26	-132.7151	-1.53	1-10	R33	133.0640	-1-49	6-20	R14	133.4690	-2-28	4-15	P 3	132.1662	-1.98	5-18	R 2	132.3483	-1.15	2-12	Q27	-132.7156	-1.99	0- 8	R26	133.0756	-2.01	7-23	P 8	133.4758	-1-54	4-15	Q 5				
132.1664	-1.49	1-10	Q19	132.3488	-1.78	1-10	P21	132.7180	-1.04	5-18	Q21	133.0791	-0.94	5-18	Q27	133.4764	-1-41	6-20	P20	133.4772	-1-83	3-13	P 7	132.1668	-1.52	6-21	P19	132.3547	-2.21	0- 8	R15	132.7256	-2.14	5-18	P25	133.0805	-1-58	7-23	Q 9	133.4804	-1-33	3-13	Q 9
132.1681	-1.52	6-21	P19	132.3547	-2.21	0- 8	R15	132.7356	-2.14	0- 8	P21	133.0805	-1-58	6-20	Q13	133.4820	-1-58	4-15	R 8	132.1722	-1.44	2-12	R26	132.3585	-2.04	0- 8	O12	132.7507	-1.75	0- 8	Q24	-133.0873	-2.00	0- 8	P28	133.4825	-2.11	4-15	P 4				
132.1736	-1.83	5-18	R 3	132.3597	-1.41	4-16	P21	-132.7520	-1.97	0- 8	R27	133.0942	-1-65	6-20	P12	-133.4853	-1-56	0- 8	Q37	132.1742	-2.68	5-18	P 2	132.3611	-1.68	2-12	Q27	-132.7516	-1.99	0- 8	R26	133.0756	-2.01	7-23	P 8	133.4758	-1-54	4-15	Q 5				
132.1742	-2.68	5-18	R 2	132.3617	-1.68	2-12	Q27	-132.7516	-1.98	1-10	Q31	133.1001	-1-46	6-20	R15	133.4890	-1-46	3-13	R12	132.1783	-1.70	1-10	R22	132.3629	-1.28	3-14	R29	132.7613	-1.30	3-14	P31	133.1045	-1-56	1-10	P24	133.4894	-1-47	4-15	O 6				
132.1785	-1.87	1-10	P17	132.3671	-2.48	0- 8	P10	132.7719	-1.02	5-18	Q22	-133.1075	-1-64	0- 8	Q31	133.4936	-1-65	7-23	P17	132.1786	-1.12	4-16	Q19	132.3695	-1.40	3-14	P25	132.7718	-1.24	5-18	R23	133.1085	-1-96	7-23	P 9	133.4975	-1-54	4-15	R 9				
132.1795	-1.35	4-16	R21	132.3733	-1.04	3-14	Q27	132.7802	-2.11	0- 8	P22	133.1136	-1-75	7-23	R11	133.4977	-1-98	4-15	P 5	132.1805	-1.72	5-18	R 4	132.3738	-1.03	4-16	P23	132.7873	-1.26	5-18	R24	133.1138	-1-54	7-23	Q10	133.4985	-1-77	3-13	P 8				
132.1806	-1.77	5-18	R 6	132.3770	-1.39	1-10	Q24	132.7996	-1.73	0- 8	Q25	-133.1145	-1-88	6-20	R15	133.5011	-1-29	3-13	O10	132.1854	-2.38	5-18	P 3	132.3776	-1.24	1-10	Q24	-132.8004	-1-96	0- 8	R26	133.5049	-1-41	4-15	Q 7								
132.1854	-2.38	5-18	P 3	132.3776	-1.24	5-18	P18	132.8004	-1-96	0- 8	R28	133.1167	-1-28	5-18	P26	133.5049	-1-41	4-15	Q 7	132.1864	-1.72	1-10	R7	132.3788	-2.18	0- 8	R16	132.8021	-1.38	5-18	P21	133.1205	-1-56	6-20	R 1	133.5059	-1-29	7-23	Q18				
132.1936	-1.72	5-18	R 7	132.3788	-2.18	0- 8	R16	132.8021	-1.38	5-18	P21	133.1205	-1-56	6-20	R14	133.5059	-1-29	7-23	Q11	132.1938	-1.63	1-10	Q32	132.3818	-2.00	1-10	Q29	132.8116	-1.28	1-10	P29	133.1205	-1-61	6-20	P13	133.5112	-1-43	3-13	R13				
132.1942	-1.35	5-18	R 5	132.3839	-1.40	3-14	P24	132.8116	-1.28	1-10	Q32	133.1205	-1-61	6-20	R14	133.5112	-1-43	3-13	P24	132.1942	-1.63	1-10	Q27	132.3839	-1.40	3-14	P26	132.8186	-1.28	1-10	P34	133.1206	-1-61	6-20	R 1	133.5127	-1-41	4-15	R 1				
132.1942	-2.20	5-18	P 4	132.3941	-1.63	5-18	P18	-132.8347	-1.62	1-10	P30	133.1442	-1-90	7-23	P10	133.5216	-1-71	3-13	P 9	132.2002	-1.57	2-12	Q22	132.3950	-1.40	1-10	Q22	-132.8340	-2.22	6-20	R 1	133.5237	-1-35	4-15	Q 8								
132.2031	-1.45	3-14	P22	132.3989	-1.62	1-10	R27	132.8390	-2.39	6-20	R 0	133.1506	-1-71	7-23	R12	133.5239	-1-25	3-13	Q11	132.2057	-1.47	1-10	Q20	132.4064	-1.02	1-10	Q27	132.8392	-2.09	6-20	R 2	133.1604	-1-20	6-20	Q15	133.5263	-1-90	0- 8	P35	133.5275	-2-20	2-11	R 1
132.2066	-1.09	3-14	Q24	132.4064	-2.16	0- 8	R17	132.8432	-1.99	6-20	R 2	133.1604	-1-20	6-20	R15	133.5263	-1-25	3-13	Q11	132.2085	-1.56	5-18	R 6	132.4074	-2.12	2-12	Q28	-132.8445	-1.24	5-18	R25	133.1734	-1-58	6-20	P14	133.5275	-2-20	2-11	R 1				
132.2086	-1.68	5-18	R 5	132.4145	-1.60	5-18	P13	132.8459	-1.35	5-18	P22	-132.8502	-1.65	6-20	Q 5	-133.2345	-1-86	6-20	R 4	132.2166	-2.59	1-10	Q22	-132.8502	-1.91	6-20	P 4	133.2355	-1-65	7-23	P16	133.5049	-1-21	4-15	Q 2								
132.2174	-2.74	0- 8	O 2	132.4479	-1.18	5-18	O15	132.8841	-2.22	6-20	P																																

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
133.6427	-1.15	4.15	013		133.8906	-1.96	1-	9	Q 3	134.1694	-1.23	5-17	R21	134.6080	-1.43	1-	9	P25	135.2665	-1.55	4-14	Q	4	
133.6437	-1.83	2-11	P 8		133.8913	-1.86	1-	9	R 7	134.1726	-0.97	2-11	Q25	134.6224	-2.06	0-	7	P12	135.2682	-1.55	4-14	R	7	
133.6461	-1.50	2-11	R13		133.8949	-2.81	1-	9	P 2	134.1745	-0.87	3-13	Q27	134.6242	-1.80	0-	7	R18	135.2720	-2.20	4-14	P	3	
133.6545	-1.31	3-13	R18		133.8968	-1.20	3-	13	R24	134.1763	-1.66	1-	9	P15	134.6334	-1.61	0-	7	O15	135.2764	-1.63	7-21	R12	
133.6624	-1.32	2-11	Q11		133.8979	-1.86	1-	9	Q 4	134.1786	-1.23	3-13	P25	134.6349	-1.05	1-	9	Q28	135.2773	-1.46	4-14	Q	5	
133.6660	-1.77	2-11	P 9		133.8982	-1.35	4-15	P18		134.1858	-1.34	2-11	P23	-134.6450	-1.29	1-	9	R31	135.2809	-1.50	4-14	R	8	
133.6666	-1.33	4-15	R16		133.8997	-1.39	5-17	R14		134.1951	-1.36	5-17	P18	134.6503	-2.02	0-	7	P13	135.2842	-1.67	0-	7	P28	
133.6679	-1.54	4-15	P12		133.8999	-1.20	4-15	R22		134.1960	-1.24	1-	9	Q18	134.6524	-1.78	0-	7	R19	135.2853	-2.02	4-14	P	4
133.6690	-1.09	3-13	Q16		133.9011	-1.81	1-	9	R 8	134.1980	-1.45	1-	9	R21	134.6585	-1.19	5-17	P26	135.2902	-1.39	4-14	Q	6	
133.6690	-1.50	3-13	P14		133.9013	-1.19	5-17	Q12		134.2110	-1.63	1-	9	P16	134.6615	-1.58	0-	7	Q16	135.2906	-1.42	7-21	Q11	
133.6691	-1.88	0-	8	P37	133.9055	-2.51	1-	9	P 3	134.2117	-1.22	4-15	P24	134.6617	-1.41	1-	9	P26	-135.2945	-1.54	0-	7	R34	
133.6692	-1.47	2-11	R14		133.9055	-0.97	4-15	Q20		134.2120	-0.98	5-17	Q20	134.6601	-1.99	0-	7	P14	135.2957	-1.46	4-14	R	9	
133.6736	-1.12	4-15	Q14		133.9059	-1.09	2-11	Q19		134.2174	-1.21	5-17	R22	134.6624	-1.76	0-	7	R20	135.2962	-1.82	7-21	P10		
133.6872	-1.28	2-11	Q12		133.9072	-1.77	1-	9	Q 5	134.2240	-0.95	2-11	O26	134.6888	-1.04	1-	9	Q29	135.2979	-1.30	0-	7	Q31	
133.6896	-1.29	3-13	R19		133.9121	-0.96	3-13	Q22		134.2313	-1.22	1-	9	Q19	134.6913	-1.56	0-	7	Q17	135.3004	-1.90	4-14	P	5
133.6903	-1.72	2-11	P10		133.9127	-1.77	1-	9	R 9	134.2340	-1.43	1-	9	R22	-134.7007	-1.28	1-	9	R32	135.3051	-1.32	4-14	Q	7
133.6958	-1.45	2-11	R15		133.9150	-1.33	3-13	P20		134.2382	-1.32	2-11	P24	134.7115	-1.95	0-	7	P15	135.3098	-1.88	3-12	R 2		
133.6988	-1.51	4-15	P13		133.9169	-1.59	5-17	P11		134.2382	-1.21	3-13	P26	134.7142	-1.74	0-	7	R21	135.3099	-1.60	7-21	R13		
133.6999	-1.31	4-15	R17		133.9179	-2.33	1-	9	P 4	134.2447	-1.34	5-17	P19	134.7172	-1.40	1-	9	P27	135.3104	-2.01	3-12	R 1		
133.7043	-1.07	3-13	Q17		133.9182	-1.70	1-	9	Q 6	134.2475	-1.61	1-	9	P17	134.7229	-1.53	0-	7	Q18	135.3109	-1.78	3-12	R 3	
133.7045	-1.46	3-13	P15		133.9185	-1.47	2-11	P17		134.2620	-0.96	5-17	Q21	134.7279	-1.18	5-17	P27	135.3126	-1.42	4-14	R 10			
133.7063	-1.09	4-15	Q15		133.9203	-1.30	2-11	R22		134.2685	-1.20	1-	9	Q20	134.7449	-1.92	0-	7	P16	135.3133	-2.18	3-12	R 0	
133.7101	-1.99	5-17	R 2		133.9263	-1.73	1-	9	R10	134.2685	-1.19	5-17	R23	-134.7555	-1.02	1-	9	Q30	135.3143	-1.70	3-12	R 4		
133.7102	-2.12	5-17	R 1		133.9295	-1.16	5-17	U13		134.2719	-1.20	4-15	P25	134.7749	-1.72	0-	7	R22	135.3180	-1.80	4-14	P	6	
133.7118	-2.29	5-17	R 0		133.9311	-1.36	5-17	R15		134.2719	-1.41	1-	9	R23	134.7764	-1.51	0-	7	Q19	135.3196	-1.64	3-12	R 5	
133.7131	-1.25	2-11	Q13		133.9312	-1.63	1-	9	Q 7	134.2777	-0.94	2-11	Q27	134.7748	-1.38	1-	9	P28	135.3201	-2.01	3-12	Q 1		
133.7132	-1.89	5-17	R 3		133.9320	-2.21	1-	9	P 5	134.2859	-1.58	1-	9	P18	134.7800	-1.90	0-	7	P17	135.3224	-1.27	4-14	Q	8
133.7166	-1.68	2-11	P11		133.9416	-1.70	1-	9	R11	134.2923	-1.30	2-11	P25	134.7832	-1.70	0-	7	R23	135.3241	-1.78	3-12	O 2		
133.7169	-1.42	2-11	R16		133.9432	-1.18	3-13	R25		134.2968	-1.31	5-17	P20	134.7916	-1.49	0-	7	O20	135.3248	-1.38	7-21	O12		
133.7183	-2.12	5-17	Q 1		133.9448	-1.33	4-15	P19		134.2982	-1.20	3-13	P27	-134.8040	-1.01	1-	9	Q31	135.3270	-1.58	3-12	R 6		
133.7184	-1.81	5-17	R 4		133.9454	-1.06	2-11	R20		134.3076	-1.18	1-	9	Q21	134.8168	-1.87	0-	7	P18	135.3301	-1.64	3-12	Q 3	
133.7233	-1.89	5-17	O 2		133.9460	-1.58	1-	9	Q 8	134.3117	-1.40	1-	9	R24	134.8205	-1.68	0-	7	R24	135.3315	-1.78	7-21	P11	
133.7261	-1.75	5-17	R 5		133.9466	-1.19	4-15	R23		134.3144	-0.94	5-17	Q22	134.8286	-1.47	0-	7	Q21	135.3319	-1.39	4-14	R 11		
133.7267	-1.27	3-13	R20		133.9482	-2.11	1-	9	P 6	134.3215	-1.18	5-17	R24	134.8344	-1.36	1-	9	P29	135.3338	-2.48	3-12	P 2		
133.7298	-1.75	5-17	Q 3		133.9500	-1.55	5-17	P12		134.3262	-1.55	1-	9	P19	134.8553	-1.84	0-	7	P19	135.3364	-1.53	3-12	R 7	
133.7314	-2.59	5-17	P 2		133.9522	-0.95	4-15	Q21		134.3343	-1.19	4-15	P26	134.8615	-1.67	0-	7	R25	135.3377	-1.72	4-14	P 7		
133.7347	-1.47	4-15	P14		133.9531	-1.45	2-11	P18		134.3486	-1.16	1-	9	R22	-134.8645	-1.00	1-	9	Q32	135.3383	-1.53	3-12	Q 4	
133.7354	-1.28	4-15	R18		133.9588	-1.66	1-	9	R12	134.3488	-1.28	2-11	P26	134.8674	-1.45	0-	7	Q22	135.3417	-1.65	0-	7	P29	
133.7357	-1.69	5-17	R 6		133.9607	-0.94	3-13	O23		134.3506	-1.29	5-17	P21	134.8952	-1.35	0-	7	P20	135.3419	-1.22	4-14	Q 9		
133.7395	-1.64	5-17	Q 4		133.9609	-1.28	2-11	R23		134.3534	-1.38	1-	9	R25	134.8958	-1.82	0-	7	R26	135.3446	-1.57	7-21	R14	
133.7417	-1.07	4-15	Q16		133.9626	-1.53	5-17	Q14		134.3684	-1.53	1-	9	P20	134.9081	-1.43	0-	7	Q23	135.3478	-1.48	3-12	R 8	
133.7418	-1.04	3-13	Q18		133.9634	-1.31	3-13	P21		134.3691	-0.92	5-17	P23	-134.9276	-0.98	1-	9	Q33	135.3482	-1.53	0-	7	R35	
133.7425	-1.43	3-13	P16		133.9647	-1.34	5-17	R16		134.3774	-1.16	5-17	P25	134.9361	-1.80	0-	7	P21	135.3486	-1.44	3-12	G 5		
133.7425	-2.29	5-17	P 3		133.9660	-2.03	1-	9	P 7	134.3916	-1.14	1-	9	Q23	134.9435	-1.64	0-	7	R27	135.3532	-1.35	4-14	R 12	
133.7433	-1.87	0-	8	P38	133.9810	-1.49	2-11	P12		134.3971	-1.36	1-	9	R26	134.9504	-1.41	0-	7	Q24	135.3554	-1.29	0-	7	Q32
133.7468	-1.40	5-17	R17		133.9850	-1.51	5-17	P13		134.4070	-1.26	2-11	P27	-134.9590	-1.33	1-	9	P31	135.3576	-2.01	3-12	P 4		
133.7482	-1.64	5-17	R 7		133.9850	-1.51	5-17	P13		134.4072	-1.27	5-17	P22	134.9821	-1.78	0-	7	P22	135.3594	-1.66	4-14	P 8		
133.7512	-1.55	5-17	Q 5		133.9885	-1.96	2-11	Q21		134.4125	-1.51	1-	9	P11	134.9872	-1.62	0-	7	R28	135.3607	-1.37	3-12	Q 6	
133.7627	-1.59	5-17	R 8		133.9956	-1.17	4-15	R24		134.4151	-2.32	0-	7	R 4	-135.0336	-1.61	0-	7	R29	135.3696	-1.74	7-21	P 12	
133.7655	-1.48	5-17	Q 6		133.9965	-1.42	1-	9	P 9	134.4303	-2.25	0-	7	Q 3	135.0999	-2.18	7-21	R 3						
133.7703	-1.19	2-11	Q15		133.9983	-1.10	5-17	Q15		134.4186	-2.25	0-	7	R 5	135.0756	-1.74	0-	7	P24	135.3749	-1.31	3-12	Q 7	
133.7723	-1.09	5-17	P 5		133.9989	-1.61	1-	9	R14	134.4239	-2.20	0-	7	R 6	-135.0820	-1.59								

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
135.4611	-1.85	5-16	P 6	135.6822	-1.2	2-10	Q 9	135.8960	-0.81	4-14	Q24	136.1498	-1.43	1-8	R12	136.4821	-1.78	7-20	O 5
135.4640	-1.47	5-16	R10	135.6837	-1.12	3-12	R21	135.8965	-1.16	2-10	R20	136.1502	-0.73	3-12	Q28	136.4829	-2.78	8-23	R 0
135.4686	-1.46	4-14	P12	135.6847	-1.72	2-10	P 7	135.9027	-1.35	2-10	P15	136.1560	-1.32	1-8	R19	136.4829	-1.34	1-8	P18
135.4692	-1.32	5-16	Q 8	135.6868	-1.12	4-14	R22	135.9036	-1.32	6-18	Q10	136.1577	-1.29	1-8	Q 9	136.4830	-2.60	8-23	R 1
-135.4715	-1.51	0-7	R37	135.6903	-1.44	5-16	P14	135.9051	-1.04	3-12	R26	136.1610	-1.08	3-12	P26	136.4844	-2.34	7-20	P 4
135.4717	-1.04	4-14	Q14	135.6968	-1.25	5-16	R18	135.9059	-1.50	6-18	R12	136.1634	-1.79	1-8	P 7	136.4855	-1.86	7-20	R 7
135.4732	-1.50	7-21	R17	135.6981	-1.27	4-14	P18	135.9095	-1.30	5-16	P19	136.1673	-1.50	0-7	P41	136.4875	-2.48	8-23	R 2
-135.4745	-1.26	0-7	Q34	135.6999	-0.89	4-14	Q20	135.9130	-0.93	2-10	Q18	136.1683	-1.40	1-8	R13	136.4896	-2.60	8-23	Q 1
135.4766	-1.08	3-12	Q12	135.7000	-1.03	5-16	Q16	135.9170	-1.74	6-18	P 9	136.1730	-1.47	6-18	P16	136.4917	-1.32	6-18	P22
135.4780	-1.53	3-12	P10	135.7011	-1.32	2-10	R13	135.9197	-1.15	5-16	R23	136.1739	-0.81	2-10	Q24	136.4919	-1.16	1-8	R24
135.4817	-1.77	5-16	P 7	135.7016	-1.18	2-10	Q10	135.9205	-0.92	5-16	Q21	136.1759	-1.25	1-8	Q10	136.4963	-2.38	8-23	Q 2
135.4851	-1.44	5-16	R11	135.7050	-1.16	7-21	Q20	135.9276	-1.14	2-10	R21	136.1832	-1.73	1-8	P 8	136.4964	-2.38	8-23	R 3
135.4900	-1.25	3-12	R15	135.7051	-1.65	2-10	P 8	135.9309	-1.29	6-18	Q11	136.1869	-1.15	0-7	Q44	136.4966	-0.71	2-10	Q30
135.4900	-1.27	5-16	Q 9	135.7054	-0.89	3-12	D19	135.9316	-0.79	3-12	Q24	136.1882	-1.19	5-16	P24	136.4972	-0.94	1-8	Q21
135.4911	-1.26	7-21	Q16	135.7117	-1.28	3-12	P17	135.9341	-1.47	6-18	R13	136.1887	-1.37	1-8	R14	136.4983	-1.70	7-20	G 6
135.4923	-1.22	4-14	R17	135.7116	-1.52	7-21	P19	135.9353	-1.53	0-7	P38	136.1916	-0.73	4-14	Q29	136.5014	-2.30	8-23	R 4
135.5010	-1.63	7-21	P15	135.7210	-1.57	0-7	P35	135.9369	-1.04	4-14	R27	136.1920	-1.04	2-10	R27	136.5018	-2.22	7-20	P 5
135.5016	-1.42	4-14	P13	135.7227	-1.14	2-10	O11	135.9399	-1.32	2-10	P16	136.1923	-1.09	4-14	P27	136.5029	-3.08	8-23	P 2
135.5031	-1.05	3-12	Q13	135.7242	-1.10	3-12	R22	135.9410	-1.16	3-12	P22	136.1929	-1.08	6-18	Q18	136.5033	-1.82	7-20	R 8
135.5041	-1.01	4-14	Q15	135.7243	-1.29	2-10	R14	135.9458	-1.69	6-18	P10	136.1960	-1.21	1-8	Q11	136.5045	-1.46	0-7	P45
135.5066	-1.71	5-16	P 8	135.7275	-1.60	2-10	P 9	135.9508	-1.16	4-14	P23	136.1960	-1.18	2-10	P22	136.5075	-2.23	8-23	Q 3
135.5052	-1.48	3-12	P11	135.7295	-1.41	5-16	P15	135.9509	-0.79	4-14	Q25	136.2020	-1.30	6-18	R20	136.5146	-0.95	2-10	R33
135.5084	-1.41	5-16	R12	135.7323	-1.10	4-14	R23	135.9528	-1.44	0-7	R44	136.2048	-1.67	1-8	P 9	136.5162	-2.78	8-23	P 3
135.5129	-1.23	5-16	O10	135.7366	-1.23	5-16	R19	135.9540	-1.18	0-7	Q41	136.2110	-1.71	3-12	Q29	136.5169	-0.96	6-18	Q24
135.5131	-1.23	3-12	R16	135.7372	-1.47	0-7	R41	135.9573	-1.02	3-12	R27	136.2111	-1.34	1-8	R15	136.5174	-1.64	7-20	U 7
135.5215	-1.48	7-21	R18	135.7394	-0.01	5-16	Q17	135.9581	-0.91	2-10	Q19	136.2179	-1.17	1-8	Q12	136.5187	-2.23	8-23	R 5
-135.5227	-1.61	0-7	P32	135.7403	-1.21	0-7	Q38	135.9602	-1.27	5-16	P22	136.2197	-1.44	6-18	P17	136.5223	-2.12	7-20	P 6
135.5267	-1.20	4-14	R18	135.7438	-1.27	2-10	R15	135.9605	-1.25	6-18	Q12	136.2222	-1.07	3-12	P27	136.5223	-1.07	2-10	P28
-135.5279	-1.50	0-7	R38	135.7439	-1.25	4-14	P19	135.9647	-1.44	6-18	R14	136.2226	-0.79	2-10	Q25	136.5230	-2.12	8-23	Q 4
135.5298	-1.65	5-16	P 9	135.7455	-0.87	4-14	O21	135.9666	-1.12	2-10	R22	136.2284	-1.62	1-8	P10	136.5238	-1.78	7-20	R 9
135.5317	-1.02	3-12	Q14	135.7459	-1.10	2-10	O12	135.9670	-0.90	5-16	Q22	136.2335	-1.02	2-10	R28	136.5258	-1.32	1-8	P19
135.5340	-1.38	5-16	R13	135.7460	-0.87	3-12	R20	135.9733	-1.29	2-10	P17	136.2355	-1.32	1-8	R16	136.5326	-1.20	6-18	R26
135.5345	-1.44	3-12	P12	135.7517	-1.54	2-10	P10	135.9774	-1.65	6-18	P11	136.2400	-1.06	1-8	Q19	136.5335	-1.14	1-8	P45
135.5365	-1.39	4-14	P14	135.7534	-1.25	3-12	P18	135.9836	-0.77	3-12	Q25	136.2412	-1.16	2-10	P23	136.5340	-2.60	8-23	P 4
-135.5379	-1.25	0-7	O35	135.7623	-2.17	6-18	R 1	135.9932	-1.22	6-18	Q13	136.2416	-1.14	1-8	Q13	136.5346	-2.04	8-23	Q 5
135.5381	-1.19	5-16	Q11	135.7633	-2.04	6-18	R 2	135.9932	-1.14	3-12	P23	136.2492	-1.49	0-7	P42	136.5362	-2.18	8-23	R 6
135.5388	-0.98	4-14	Q16	135.7636	-1.95	6-18	R 3	135.9937	-1.02	4-14	R28	136.2506	-1.29	6-18	R21	136.5378	-0.92	1-8	Q22
135.5401	-1.23	7-21	Q17	135.7640	-2.35	6-18	R 0	135.9979	-1.42	6-18	R15	136.2515	-1.17	5-16	P25	136.5392	-1.59	7-20	Q 8
135.5428	-1.20	3-12	R17	135.7660	-1.08	3-12	R23	135.9984	-0.89	2-10	Q20	136.2536	-1.57	1-8	P11	136.5453	-2.04	7-20	P 7
135.5508	-1.60	7-21	P16	135.7705	-1.87	6-18	R 4	136.0065	-1.10	2-10	R23	136.2572	-0.72	4-14	Q30	136.5471	-1.74	7-20	R10
135.5574	-1.60	5-16	P10	135.7707	-2.17	6-18	O 1	136.0070	-1.14	4-14	P24	136.2585	-1.07	4-14	P28	136.5539	-1.30	6-18	P23
135.5618	-1.35	5-16	R14	135.7709	-1.38	5-16	P16	136.0079	-0.78	4-14	P19	136.2641	-1.29	1-8	R17	136.5562	-2.48	8-23	P 5
135.5623	-0.99	3-12	R15	135.7709	-1.07	2-10	O13	136.0112	-1.01	3-12	R24	136.2672	-1.11	1-8	O14	136.5570	-2.12	8-23	R 7
135.5639	-1.18	4-14	R19	135.7711	-1.24	2-10	R16	136.0114	-1.61	6-18	P12	136.2691	-1.42	6-18	P18	136.5580	-0.70	2-10	Q31
135.5658	-1.40	3-12	R13	135.7757	-1.95	6-18	O 2	136.0119	-1.52	0-7	P39	136.2693	-1.14	0-7	O45	136.5586	-1.96	8-23	Q 6
135.5659	-1.15	5-16	R12	135.7780	-1.50	2-10	P11	136.0136	-1.25	5-16	P21	136.2735	-0.77	2-10	O26	136.5625	-1.29	1-8	P20
135.5729	-1.46	7-21	R19	135.7788	-1.21	5-16	R20	136.0147	-1.27	2-10	P18	136.2808	-1.53	1-8	P12	136.5637	-1.54	7-20	Q 9
135.5736	-1.35	4-14	P15	135.7790	-1.80	6-18	R 5	136.0257	-0.88	5-16	Q23	136.2842	-1.05	3-12	P28	136.5671	-1.97	7-20	P 8
135.5750	-1.18	3-12	R18	135.7792	-1.50	7-21	P20	136.0280	-1.18	6-18	Q14	136.3097	-1.49	1-8	R19	136.5827	-1.90	8-23	Q 7
135.5757	-0.96	4-14	O17	135.7806	-1.09	6-18	O 4	136.0476	-1.57	6-18	P13	136.3171	-1.25	1-8	R19	136.5902	-1.05	2-10	P29
135.5867	-1.90	2-10	R 2	135.7811	-0.98	5-16	Q18	136.0338	-1.39	6-18	R16	136.2905	-1.03	6-18	P20	136.6084	-2.04	8-23	R 9
135.5873	-1.55	1-32	R19	135.7834	-1.80	6-18	Q 3	136.0471	-2.09	1-8	R 1	136.3433	-1.01	6-18	Q21	136.6102	-1.85	8-23	Q 8
135.6009	-1.60	2-10	R 6	135.8040	-1.61	6-18	Q 5	136.0677	-1.79	4-14	Q27	136.3482	-1.12	2-10	P25	136.6150	-1.11	1-8	R27
135.6016	-1.80	2-10	Q 2	135.8041	-1.46	6-18	R 4	136.0677	-1.79	4-14	P22	136.3498	-1.03	1-8	Q17	136.6187	-0.88	1-8	Q24
-135.6017	-1.24	0-7	Q36	135.8061	-1.46	2-10	P12	136.0706	-2.27	1-8	R 0	136.3504	-1.04	3-12	P29	136.6207	-2.08	8-23	R 7
135.6027	-1.16	4-14	R20	135.8096	-1.07	3-12	R24	136.0716	-1.73	1-8	R 5								

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
136.7565	-2.18	0- 6 R 2	137.0828	-1.61	0- 6 P16	137.3586	-1.04	4-13 Q13	137.5303	-1.30	4-13 P16	-137.7994	-0.95	0- 6 Q34										
136.7583	-2.01	0- 6 R 4	137.0832	-1.11	1- 8 P30	137.3571	-1.47	4-13 P11	137.5318	-1.18	3-11 R15	137.8003	-2.37	2- 9 P 2										
136.7585	-2.31	0- 6 R 1	137.0918	-1.19	0- 6 Q19	137.3604	-1.80	3-11 R 2	137.5345	-1.87	6-17 P 8	137.8006	-1.18	3-11 P18										
136.7599	-1.88	0- 6 R 6	137.0961	-1.54	7-20 P20	137.3613	-1.71	3-11 R 3	137.5428	-1.57	6-17 R12	137.8019	-1.01	3-11 R23										
136.7614	-1.94	0- 6 R 5	137.1057	-1.75	1- 8 Q33	137.3615	-1.93	3-11 R 1	137.5443	-1.40	6-17 Q10	137.8030	-1.42	2- 9 Q 4										
136.7622	-2.48	0- 6 R 0	137.1071	-1.99	1- 8 R36	137.3642	-1.63	3-11 R 4	137.5480	-1.11	4-13 R21	137.8035	-0.78	4-13 Q24										
-136.7641	-1.07	1- 8 R30	137.1102	-1.39	0- 6 R23	137.3645	-2.11	3-11 R 0	137.5504	-1.23	5-15 R20	137.8048	-1.37	2- 9 R 8										
136.7687	-1.33	7-20 Q15	137.1193	-1.58	0- 6 P17	137.3676	-1.44	0- 6 P23	137.5519	-0.98	3-11 Q13	137.8096	-1.15	4-13 P22										
-136.7692	-0.83	1- 8 Q27	137.1267	-1.17	0- 6 P20	137.3690	-1.34	5-15 R15	137.5530	-1.15	3-11 R16	137.8113	-2.07	2- 9 P 3										
136.7694	-2.31	0- 6 Q 1	137.1355	-1.85	8-23 P18	137.3693	-1.56	3-11 R 5	137.5534	-1.24	0- 6 R33	137.8124	-1.54	6-17 P16										
136.7713	-1.83	0- 6 R 7	137.1466	-1.37	0- 6 R24	137.3700	-1.22	4-13 R16	137.5542	-1.40	5-15 P16	137.8126	-1.33	2- 9 Q 5										
136.7729	-2.09	0- 6 Q 2	137.1491	-1.09	1- 8 P31	137.3703	-0.70	1- 8 Q37	137.5573	-1.41	3-11 P11	137.8164	-1.33	2- 9 R 9										
-136.7774	-1.43	0- 7 R 48	137.1553	-1.87	4-13 R 2	137.3716	-1.93	3-11 Q 1	137.5590	-1.01	5-15 Q18	137.8238	-1.26	2- 9 Q 6										
136.7781	-1.94	0- 6 Q 3	137.1558	-2.00	4-13 R 1	137.3723	-1.06	0- 6 Q26	137.5610	-1.82	6-17 P 9	137.8243	-1.90	2- 9 P 4										
136.7805	-1.78	0- 6 R 8	137.1568	-1.55	0- 6 P18	137.3729	-1.57	5-15 P11	137.5650	-1.02	1- 8 P37	137.8268	-1.15	6-17 Q18										
-136.7819	-1.01	2-10 P32	137.1568	-1.78	4-13 R 3	137.3756	-1.71	3-11 Q 2	137.5674	-1.37	0- 6 P27	137.8286	-1.38	6-17 R20										
136.7833	-1.70	7-20 P14	137.1582	-1.52	7-20 P21	137.3762	-1.50	3-11 R 6	137.5677	-0.88	4-13 Q19	137.8301	-1.29	2- 9 R 10										
136.7838	-2.78	0- 6 P 2	137.1586	-2.17	4-13 R 0	137.3780	-1.14	5-15 Q13	137.5696	-1.00	0- 6 Q30	137.8322	-0.77	3-11 Q21										
136.7850	-1.83	0- 6 Q 4	137.1605	-1.70	4-13 R 4	137.3816	-1.56	3-11 Q 3	137.5701	-1.54	6-17 R13	137.8371	-1.20	2- 9 Q 7										
136.7878	-1.54	7-20 R17	137.1633	-1.15	0- 6 Q21	137.3852	-1.45	3-11 R 7	137.5714	-1.27	4-13 P17	137.8389	-1.77	2- 9 P 5										
136.7913	-1.74	0- 6 R 9	137.1656	-2.10	5-15 R 1	137.3857	-2.41	3-11 P 12	137.5715	-1.36	6-17 Q11	137.8431	-1.18	0- 6 R38										
136.7926	-2.04	8-23 P12	137.1656	-2.00	4-13 Q 13	137.3863	-1.01	4-13 Q14	137.5800	-0.94	3-11 Q14	137.8463	-1.15	3-11 P19										
136.7942	-1.74	0- 6 Q 5	137.1658	-1.97	5-15 R 2	137.3875	-1.43	4-13 P12	137.5835	-1.13	3-11 R17	137.8456	-0.99	3-11 R24										
136.7956	-2.48	0- 6 P 3	137.1662	-1.63	4-13 R 5	137.3896	-1.45	3-11 Q 4	137.5848	-1.37	3-11 P12	137.8456	-1.26	2- 9 R 11										
136.7960	-1.19	1- 8 P25	137.1668	-0.73	1- 8 Q34	137.3906	-1.41	3-11 R 8	137.5895	-1.76	6-17 P10	137.8487	-1.25	5-15 P22										
136.7989	-1.65	8-23 Q13	137.1677	-2.27	5-15 R 0	137.3968	-2.11	3-11 P 3	137.5907	-1.09	4-13 R22	137.8522	-1.14	2- 9 Q 8										
136.8001	-1.87	8-23 R14	137.1677	-1.87	5-15 R 3	137.3995	-1.37	3-11 Q 5	137.5935	-1.21	5-15 R21	137.8535	-0.88	5-15 Q24										
136.8041	-1.71	0- 6 R10	137.1697	-1.78	4-13 R 13	137.4004	-1.32	5-15 R16	137.5975	-1.37	5-15 P17	137.8556	-1.67	2- 9 P 6										
136.8045	-1.67	0- 6 Q 6	137.1713	-0.98	1- 8 R37	137.4014	-2.10	4-13 R17	137.5991	-1.52	6-17 R14	137.8574	-1.29	0- 6 P32										
136.8068	-2.31	0- 6 P 4	137.1727	-1.80	5-15 R 4	137.4015	-1.28	0- 6 R30	137.6023	-0.98	5-15 Q19	137.8576	-0.77	4-13 Q25										
136.8100	-1.64	0- 6 R12	137.1742	-1.57	4-13 R 6	137.4056	-1.53	5-15 P12	137.6026	-1.32	6-17 Q12	137.8585	-1.52	6-17 P17										
136.8103	-1.61	0- 6 Q 7	137.1746	-2.10	5-15 Q 1	137.4056	-2.12	6-17 R 2	137.6077	-1.23	0- 6 Q34	137.8612	-0.93	0- 6 Q35										
136.8126	-1.30	7-20 Q16	137.1762	-1.63	4-13 R 3	137.4058	-2.24	6-17 R 1	137.6105	-0.86	4-13 Q20	137.8631	-1.23	2- 9 K12										
-136.8131	-0.82	1- 8 Q28	137.1794	-1.87	5-15 R 2	137.4076	-2.42	6-17 R 0	137.6106	-0.92	3-11 Q15	137.8631	-1.13	4-13 P23										
-136.8162	-1.05	1- 8 R31	137.1795	-2.47	4-13 P 13	137.4087	-2.02	6-17 R 3	137.6147	-1.24	4-13 P18	137.8693	-1.09	2- 9 Q 9										
136.8192	-1.67	0- 6 R11	137.1805	-1.73	5-15 R 5	137.4090	-1.37	3-11 R 9	137.6150	-1.11	3-11 R18	137.8736	-1.13	6-17 Q19										
136.8210	-2.18	0- 6 P 5	137.1841	-1.52	4-13 R 7	137.4098	-1.11	5-15 Q14	137.6173	-1.33	3-11 P13	137.8740	-1.59	2- 9 P 7										
136.8284	-1.67	7-20 P15	137.1845	-1.35	0- 6 R25	137.4098	-1.93	3-11 P 4	137.6195	-1.72	6-17 P11	137.8755	-1.36	6-17 R21										
136.8287	-1.23	6-18 P27	137.1847	-1.52	4-13 Q 4	137.4116	-1.29	3-11 Q 0	137.6219	-1.35	0- 6 P28	137.8768	-0.75	3-11 Q22										
136.8288	-1.55	0- 6 Q 8	137.1865	-1.73	5-15 Q 3	137.4139	-1.94	6-17 R 4	137.6250	-0.99	0- 6 Q31	137.8825	-1.20	2- 9 R13										
136.8333	-1.52	7-20 R18	137.1866	-1.67	5-15 R 6	137.4144	-2.24	6-17 Q 1	137.6313	-1.49	6-17 R15	137.8881	-1.05	2- 9 Q10										
136.8361	-1.61	0- 6 R13	137.1884	-2.57	5-15 P 2	137.4150	-1.62	0- 6 P24	137.6315	-1.29	6-17 Q13	137.8910	-0.98	3-11 R25										
136.8374	-2.09	0- 6 P 6	137.1906	-2.17	4-13 P 3	137.4184	-0.98	4-13 Q15	137.6354	-1.08	4-13 R23	137.8911	-1.13	3-11 P20										
136.8406	-2.00	8-23 P13	137.1953	-1.62	5-15 Q 4	137.4186	-1.04	1- 8 P35	137.6393	-1.19	5-15 R22	137.8945	-1.53	2- 9 P 8										
136.8455	-1.51	0- 6 R15	137.2196	-1.87	4-13 P 5	137.4196	-2.02	6-17 Q 2	137.6415	-1.00	1- 8 P38	137.9037	-1.17	2- 9 R14										
136.8474	-1.62	8-23 Q14	137.2196	-1.53	0- 6 Q19	137.4196	-1.04	6-17 Q 27	137.6428	-1.34	5-15 P18	137.9058	-1.23	5-15 P23										
136.8487	-1.85	8-23 R15	137.2196	-1.47	4-13 R 8	137.4199	-1.40	4-13 P13	137.6449	-0.89	3-11 R24	137.9317	-0.97	2- 9 Q12										
-136.8511	-0.99	2-10 P33	137.2198	-1.62	5-15 R 7	137.4217	-1.87	6-17 R 5	137.6479	-0.96	5-15 Q20	137.9067	-1.49	6-17 P18										
136.8534	-1.17	1- 8 P26	137.2001	-2.27	5-15 P 3	137.4223	-1.33	3-11 R10	137.6484	-1.08	3-11 Q19	137.9090	-1.01	2- 9 Q11										
136.8917	-1.16	1- 8 R27	137.2277	-1.55	4-13 R 9	137.4434	-1.08	5-15 Q15	137.6902	-1.64	6-17 P13	137.9519	-1.12	2- 9 R16										

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	
-138.1224	-1.24	0 - 6	P36	138.6125	-1.08	1 - 7	R18	139.0800	-2.23	5-14	Q 1	139.2592	-1.56	0 - 5	R 7	139.4298	-1.51	4-12	P12	
138.1252	-1.40	6-17	P22	138.6168	-1.34	1 - 7	P12	139.0817	-1.87	5-14	R 5	139.2596	-2.07	8-21	R19	139.4331	-1.52	0 - 5	P11	
-138.1260	-0.89	0 - 6	Q39	-138.6186	-0.84	2 - 9	R32	139.0824	-1.02	1 - 7	P24	139.2600	-2.04	0 - 5	Q 1	139.4335	-1.28	4-12	R17	
138.1263	-1.20	2 - 9	P16	138.6257	-0.89	1 - 7	Q15	139.0848	-2.01	5-14	Q 2	139.2618	-1.70	6-16	W 8	139.4357	-1.06	0 - 5	Q14	
138.1304	-0.67	3-11	Q27	138.6411	-1.06	1 - 7	R19	139.0851	-1.93	8-21	Q14	139.2628	-1.95	4-12	P 5	139.4381	-1.22	0 - 5	R18	
138.1428	-0.99	2 - 9	R22	138.6456	-1.31	1 - 7	P13	139.0899	-1.81	5-14	R 6	139.2632	-1.82	0 - 5	Q 2	139.4419	-1.37	5-14	R20	
138.1429	-1.03	6-17	Q24	138.6462	-0.96	2 - 9	P27	139.0907	-1.64	1 - 7	Q27	139.2643	-1.38	4-12	O 7	139.4528	-1.85	6-16	P13	
138.1442	-0.78	2 - 9	Q19	-138.6479	-1.08	0 - 6	R49	139.0914	-1.87	5-14	O 3	139.2645	-1.47	4-12	R10	139.4551	-1.65	6-16	R17	
138.1494	-1.03	3-11	P25	138.6544	-0.87	1 - 7	Q16	-139.0932	-1.04	0 - 6	R54	139.2656	-1.48	5-14	R15	139.4564	-1.06	4-12	Q15	
138.1638	-1.17	2 - 9	P17	-138.6586	-1.16	0 - 6	P43	139.0942	-2.71	5-14	P 2	139.2671	-1.52	0 - 5	R 8	139.4572	-1.14	5-14	Q18	
138.1677	-1.04	4-13	P28	-138.6629	-0.82	0 - 6	O46	139.0949	-2.31	8-21	P13	139.2682	-1.67	0 - 5	Q 3	139.4577	-1.54	5-14	P16	
-138.1808	-1.13	0 - 6	R43	-138.6703	-0.59	2 - 9	Q30	-139.0986	-1.11	0 - 6	P48	139.2749	-2.52	0 - 5	P 2	139.4593	-1.48	0 - 5	P12	
138.1814	-0.97	2 - 9	R23	138.6715	-1.04	1 - 7	R20	139.1000	-1.76	5-14	O 4	139.2750	-1.56	0 - 5	Q 4	139.4607	-1.44	6-16	Q15	
138.1823	-0.76	2 - 9	Q20	138.6762	-1.27	1 - 7	P14	139.1005	-1.76	5-14	R 7	139.2755	-2.15	6-16	P 7	139.4610	-1.03	0 - 5	Q15	
138.1861	-1.38	6-17	P23	138.6849	-0.84	1 - 7	Q17	-139.1028	-0.85	2 - 9	P34	139.2764	-1.48	0 - 5	R 9	139.4621	-1.47	4-12	P13	
-138.1932	-1.23	0 - 6	P37	138.7039	-1.02	1 - 7	R21	-139.1051	-0.77	0 - 6	O51	139.2765	-1.81	6-16	R11	139.4646	-1.20	0 - 5	R19	
-138.1970	-0.88	0 - 6	Q40	138.7054	-0.94	2 - 9	P28	139.1061	-2.41	5-14	P 3	139.2778	-1.71	5-14	P11	139.4664	-1.25	4-12	R18	
138.2033	-1.14	2 - 9	P18	138.7085	-1.24	1 - 7	P15	139.1103	-2.14	8-21	R16	139.2794	-1.28	5-14	Q13	139.4747	-0.79	1 - 7	R37	
138.2041	-1.01	6-17	Q25	138.7172	-0.82	1 - 7	Q18	139.1111	-1.67	5-14	Q 5	139.2805	-1.86	4-12	P 6	139.4759	-2.11	8-21	P20	
138.2074	-1.01	3-11	P26	-138.7302	-0.57	2 - 9	Q31	139.1134	-1.71	5-14	R 8	139.2810	-1.82	8-21	Q18	139.4767	-0.91	1 - 7	P31	
138.2220	-0.96	2 - 9	R24	138.7329	-1.07	0 - 6	R50	139.1198	-2.23	5-14	P 4	139.2811	-1.32	4-12	Q 8	139.4846	-1.35	5-14	R21	
138.2223	-0.74	2 - 9	Q21	138.7381	-1.00	1 - 7	R22	139.1243	-1.60	5-14	R 9	139.2823	-1.44	4-12	R11	139.4853	-0.55	1 - 7	Q34	
138.2447	-1.12	2 - 9	P19	138.7428	-1.21	1 - 7	P16	139.1285	-1.67	5-14	R 9	139.2831	-1.65	6-16	Q 9	139.4864	-1.08	0 - 6	P52	
138.2493	-1.36	6-17	P24	-138.7430	-1.15	0 - 6	P44	139.1296	-1.90	8-21	Q15	139.2835	-1.48	0 - 5	Q 5	139.4871	-1.44	0 - 5	P13	
-138.2542	-1.12	0 - 6	R44	-138.7473	-0.81	0 - 6	Q47	-139.1299	-0.87	1 - 7	R31	139.2856	-2.22	0 - 5	P 3	139.4882	-1.00	0 - 5	Q16	
138.2642	-0.72	2 - 9	Q22	138.7514	-0.79	1 - 7	O19	139.1331	-1.00	1 - 7	P25	139.2876	-1.44	0 - 5	R10	139.4898	-1.04	4-12	Q16	
138.2644	-0.94	2 - 9	R25	138.7666	-0.93	2 - 9	P29	139.1355	-2.11	5-14	P 5	-139.2891	-1.09	0 - 6	P50	139.4908	-1.81	6-16	P14	
-138.2660	-1.22	0 - 6	P38	138.7712	-2.91	8-21	R1	139.1396	-1.54	5-14	Q 7	139.2936	-1.40	0 - 5	Q 6	139.4928	-1.18	0 - 5	R20	
138.2672	-0.99	3-11	P27	138.7719	-3.09	-2-21	R0	139.1402	-2.28	8-21	P14	139.2942	-2.19	8-21	P17	139.4931	-1.63	6-16	R18	
138.2685	-0.99	6-17	Q26	138.7731	-2.79	8-21	R2	139.1422	-0.63	1 - 7	Q28	-139.2944	-0.83	1 - 7	R34	-139.4957	-0.74	0 - 5	O55	
-138.2700	-0.87	0 - 6	O61	138.7740	-1.99	1 - 7	R23	139.1457	-1.63	5-14	R 10	139.2947	-1.76	0 - 6	O53	139.4965	-1.44	4-12	P14	
138.2881	-1.09	2 - 9	P20	138.7780	-2.69	8-21	R3	139.1537	-2.01	5-14	P 6	139.2963	-1.46	5-14	R16	139.4988	-1.41	6-16	Q16	
138.3082	-0.70	2 - 9	Q23	138.7787	-2.91	8-21	O1	139.1569	-2.11	8-21	R17	139.2963	-0.95	1 - 7	P28	139.4995	-1.12	5-14	Q19	
138.3090	-0.93	2 - 9	R26	138.7788	-1.18	1 - 7	P17	139.1573	-1.48	5-14	Q 8	139.2981	-2.04	0 - 5	P 4	139.5005	-1.51	5-14	P17	
138.3158	-1.34	6-17	P25	138.7849	-2.69	8-21	R2	139.1654	-1.60	5-14	R11	139.2992	-2.08	6-16	P 8	139.5007	-1.23	4-12	R19	
138.3295	-0.98	3-11	P28	138.7858	-2.61	8-21	R4	139.1694	-2.45	6-16	R 1	139.2998	-1.28	12-12	Q 9	139.5165	-1.40	0 - 5	P14	
-138.3296	-1.11	0 - 6	R45	138.7874	-0.77	1 - 7	Q20	139.1697	-2.33	6-16	R 2	139.3000	-1.78	4-12	P 7	139.5170	-0.97	0 - 5	Q17	
138.3334	-1.07	2 - 9	P21	138.7921	-0.56	2 - 9	Q32	139.1718	-2.63	6-16	R 0	139.3003	-1.78	6-16	R12	139.5227	-1.16	0 - 5	R21	
-138.3408	-1.20	0 - 6	P39	138.7925	-3.39	8-21	P2	139.1720	-2.23	6-16	R 3	139.3005	-1.40	0 - 5	R11	139.5230	-2.79	7-18	R1	
-138.3446	-0.86	0 - 6	Q42	138.7937	-2.55	8-21	Q3	139.1740	-1.93	5-14	P 7	139.3023	-1.41	4-12	R12	139.5239	-2.67	7-18	R2	
138.3540	-0.68	2 - 9	Q24	138.7965	-2.55	8-21	R5	139.1767	-2.15	6-16	R 4	139.3047	-0.59	1 - 7	Q31	139.5240	-2.57	7-18	R3	
138.3556	-0.91	2 - 9	R27	138.8055	-2.44	8-21	Q4	139.1769	-1.87	8-21	Q16	139.3054	-1.34	0 - 5	O 7	139.5249	-2.97	7-18	R 0	
138.3606	-1.05	2 - 9	P22	138.8055	-3.09	8-21	P 3	139.1773	-1.43	5-14	Q 9	139.3066	-1.61	6-16	O 10	139.5255	-1.01	4-12	Q17	
138.3641	-1.32	6-17	P26	138.8102	-2.49	8-21	R4	139.1788	-2.45	6-16	Q 1	139.3091	-1.67	5-14	P12	139.5279	-1.33	5-14	R22	
138.3699	-1.69	1 - 7	R 3	138.8119	-0.97	1 - 7	R24	-139.1812	-0.85	1 - 7	R32	139.3105	-1.25	5-14	O 14	139.5311	-2.49	7-18	R 4	
138.4001	-1.78	1 - 7	R 2	138.8167	-1.15	1 - 7	P18	139.1835	-2.23	6-16	Q 2	139.3123	-1.92	0 - 5	P 5	139.5311	-1.78	6-16	P15	
138.4017	-1.61	1 - 7	R 4	138.8201	-2.35	8-21	Q 5	139.1839	-2.08	6-16	R 5	139.3150	-1.37	0 - 5	R 12	139.5319	-0.78	1 - 7	R38	
138.4018	-0.66	2 - 9	Q28	138.8207	-2.07	-0.06	6 - 6	P51	139.1858	-0.99	1 - 7	P26	139.3189	-1.29	0 - 5	Q 8	139.5319	-2.79	7-18	Q 1
138.4020	-1.91	1 - 7	R 1	138.8212	-2.91	8-21	P 4	-139.1865	-1.03	0 - 6	R55	139.3206	-1.23	12-12	O 10	139.5330	-1.41	4-12	P15	
138.4034	-0.90	2 - 9	R28	138.8251	-1.75	1 - 7	Q21	139.1870	-1.57	5-14	R12	139.3218	-1.71	4-12	P 8	139.5338	-1.61	6-16	R19	
138.4050	-1.10	1 - 7	R 5	138.8267	-2.44	8-21	R25	139.1885	-2.25	6-16	Q 3	139.3252	-2.03	6-16	P 9	139.5382	-1.21	4-12	R20	
138.4057	-2.08	1 - 7	R 0	138.8290	-1.14	0 - 6	P45	-139.1925	-1.10	0 - 6	P49	139.3265	-1.75	6-16	R13	139.5393	-1.38	6-16	Q17	
138.4102	-1.48	1 - 7	R 6	138.8337	-0.80	0 - 6	O48	139.1929	-2.93	6-16	P 2	139.3282	-1.82	0 - 5	P 6	139.5397	-2.42	7-18	R 5	
138.4130	-1.91	1 - 7	Q 1	138.8377	-2.28	8-21	O 6	139.1935	-2.03	6-16	R 6	139.3291	-1.43	12-12	O 11	139.5449	-2.42	7-18	O 3	
138.4166	-1.69	1 - 7	Q 2	138.8398	-2.79	8-21	P 5	139.1965	-1.87	5-14	P 8	139.3312	-1.34	0 - 5	R 13	139.5451	-1.83	3-10	R 2	
-138.4169	-1.19	1 - 7	P 4	138.8398	-1.11															

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
139,6031	-.96	4-12	Q19	139,8034	-1.11	4-12	R26	-140,1056	-.72	0-5	Q31	140,2696	-1.38	2-8	P10	140,5093	-3.51	9-23	R14
-139,6038	-.77	1-7	R39	139,8055	-1.37	5-14	P23	140,1061	-2.04	2-8	R0	140,2706	-1.07	3-10	P24	140,5256	-.63	0-5	Q38
139,6063	-1.26	3-10	Q7	139,8099	-.81	0-5	Q25	140,1062	-1.49	2-8	R5	140,2716	-1.08	2-8	R16	140,5264	-2.45	8-20	O15
139,6075	-1.83	3-10	P5	-139,8135	-.74	1-7	R42	140,1107	-1.09	0-5	P28	140,2731	-2.90	8-20	R9	140,5315	-1.11	2-8	P18
-139,6077	-.88	1-7	P33	139,8143	-1.20	0-5	P22	140,1118	-1.43	2-8	R6	140,2731	-3.25	8-20	P6	140,5321	-.92	2-8	R24
139,6082	-2.57	7-18	P6	-139,8170	-.84	1-7	P36	140,1135	-1.86	2-8	Q1	-140,2740	-.68	0-5	Q34	-140,5341	-.99	0-5	P35
139,6122	-1.35	4-12	P17	139,8184	-2.19	7-18	P13	-140,1144	-.79	1-7	P40	140,2761	-1.95	7-18	P22	-140,5364	-.63	3-10	Q31
139,6140	-.90	0-5	Q20	-139,8195	-.49	1-7	Q39	140,1166	-.93	5-14	Q30	140,2771	-.01	9-23	P6	140,5425	-.70	2-8	Q21
139,6152	-1.31	0-5	P17	139,8201	-.91	3-10	Q16	140,1171	-1.64	2-8	Q2	140,2812	-.91	2-8	Q13	140,5429	-2.83	8-20	P14
-139,6153	.52	1-7	Q36	139,8213	-.11	3-10	Q19	140,1193	-1.38	2-8	R7	140,2826	-3.71	9-23	R8	140,5444	-2.67	8-20	R17
139,6175	-1.32	3-10	R11	139,8238	-.63	6-16	P21	140,1209	-1.13	3-10	P21	140,2837	-.04	0-5	P31	-140,5469	-.74	1-7	P45
139,6186	-1.17	4-12	R22	139,8264	-.03	0-5	R29	140,1209	-1.63	7-18	Q21	140,2853	-3.53	9-23	Q7	140,5489	-1.87	7-18	P26
139,6189	-1.72	6-16	P17	139,8329	-.32	3-10	P14	140,1214	-.78	7-12	Q29	-140,2854	-.77	1-7	P42	140,5530	-3.63	9-23	P13
139,6194	-2.19	7-18	R10	139,8334	-.26	6-16	Q23	140,1220	-1.28	5-14	P28	140,2899	-2.71	8-20	Q8	140,5592	-3.25	9-23	Q14
139,6203	-2.04	7-18	Q8	139,8350	-.86	4-12	Q24	-140,1225	-.70	1-7	R46	140,2956	-.13	2-8	P11	140,5596	-3.48	9-23	R15
139,6221	-1.20	3-10	Q8	139,8350	-.78	7-18	Q15	140,1227	-1.49	2-8	Q3	140,2969	-.31	8-20	P7	-140,5601	-.87	0-5	R42
139,6227	-1.57	6-16	R21	139,8396	-.99	7-18	R17	-140,1244	-.95	0-5	R35	140,2970	-.87	8-20	R10	140,5717	-2.43	8-20	Q16
139,6230	-1.10	0-5	R24	139,8420	-.23	5-14	R28	140,1283	-2.34	2-8	P2	140,2976	-.43	1-7	Q45	140,5745	-.91	2-8	R25
139,6239	-1.30	5-14	R24	139,8482	-.23	4-12	P22	140,1287	-1.34	2-8	R8	140,2994	-.69	3-10	Q27	-140,5767	-.99	3-10	P29
139,6246	-1.73	3-10	P6	139,8544	-.79	0-5	Q26	140,1302	-1.38	2-8	Q4	140,2995	-.58	7-18	Q24	140,5756	-1.08	2-8	P19
139,6273	-1.34	6-16	Q19	139,8546	-.89	3-10	Q17	140,1303	-1.87	7-18	R23	140,3007	-.06	2-8	R17	140,5840	-.68	2-8	G22
139,6308	-2.49	7-18	P7	139,8554	-.09	3-10	R20	-140,1309	-.45	1-7	Q43	140,3019	-.92	0-5	R38	140,5895	-2.80	8-20	P15
139,6360	-1.29	3-10	R12	139,8569	-.09	4-12	R27	140,1373	-1.14	4-12	P27	140,3073	-.87	2-8	Q14	140,5912	-2.64	8-20	R18
139,6398	-1.15	3-10	Q9	139,8591	-2.15	7-18	P14	140,1394	-2.04	2-8	P3	140,3089	-3.93	9-23	P7	-140,5938	-.62	0-5	Q39
139,6413	-1.06	5-14	P22	139,8593	-.18	0-5	P23	140,1395	-1.30	2-8	Q5	-140,3090	-.93	3-10	R30	-140,5987	-.62	3-10	Q32
139,6421	-1.43	5-14	P20	139,8608	-.99	5-14	Q26	140,1399	-1.30	2-8	R9	140,3113	-.67	9-23	R9	-140,6050	-.97	0-5	P36
139,6429	-1.99	7-18	O9	139,8633	-.35	5-14	P24	140,1431	-.74	3-10	Q24	140,3123	-.82	7-18	R26	140,6065	-3.60	9-23	P14
139,6429	-2.15	7-18	R11	139,8682	-.29	3-10	P15	140,1506	-1.22	2-8	Q6	140,3137	-.48	9-23	Q8	140,6132	-1.06	2-8	P20
139,6436	-1.65	3-10	P7	-139,8718	-.01	0-5	P30	140,1523	-1.86	2-8	P4	140,3152	-2.67	8-20	Q9	140,6137	-3.22	9-23	Q15
139,6447	-.94	4-12	Q20	139,8757	-.86	3-10	Q18	140,1529	-1.26	2-8	R10	140,3234	-.04	2-8	R18	140,6144	-3.45	9-23	R16
139,6496	-.88	0-5	Q21	139,8761	-.15	7-18	Q16	140,1555	-1.99	7-18	P20	140,3236	-.30	2-8	P12	140,6197	-2.40	8-20	Q17
139,6515	-1.29	0-5	P18	139,8810	-.97	7-18	R18	-140,1569	-.97	3-10	R27	140,3236	-.31	8-20	P10	-140,6200	-.89	2-8	R26
139,6552	-1.32	4-12	P18	139,8811	-.61	6-16	P22	-140,1611	-.70	0-5	Q32	140,3237	-2.83	8-20	R11	140,6235	-1.85	7-18	P27
139,6558	-2.42	7-18	P8	-139,8864	-.83	1-7	P37	140,1637	-1.16	2-8	Q7	140,3260	-.05	3-10	P25	140,6278	-.66	2-8	Q23
139,6566	-1.26	3-10	R13	139,8870	-.07	3-10	R21	140,1666	-1.07	0-5	P29	-140,3355	-.67	0-5	Q35	-140,6303	-.86	0-5	R43
139,6596	-1.11	3-10	Q10	139,8883	-.85	4-12	Q25	140,1673	-1.73	2-8	P5	140,3357	-.85	2-8	Q15	-140,6333	-.97	3-10	P30
139,6600	-1.09	0-5	R25	-139,8887	-.73	1-7	R43	140,1679	-1.22	2-8	R11	140,3387	-.09	4-12	P30	-140,6387	-.73	1-7	P46
139,6613	-1.13	4-12	R23	139,8894	-.24	6-16	P24	140,1697	-1.11	3-10	P22	140,3389	-.12	5-14	P31	140,6389	-2.77	8-20	P16
139,6646	-1.59	3-10	P8	-139,8983	-.48	1-7	R40	140,1780	-1.61	7-18	Q22	140,3403	-.93	7-18	P23	140,6411	-2.62	8-20	R19
139,6665	-1.70	6-16	P18	139,9007	-.78	0-5	Q27	140,1786	-1.11	2-8	Q8	140,3409	-.86	9-23	P28	-140,6572	-.87	2-8	R27
139,6685	-1.95	7-18	Q10	139,9018	-.21	4-12	P23	-140,1815	-.94	0-5	R36	140,3432	-.62	8-20	Q10	140,6591	-1.04	2-8	P21
139,6694	-2.12	7-18	R12	139,9020	-.22	7-18	P15	140,1819	-4.41	9-23	R0	140,3434	-.63	9-23	R10	-140,6635	-.61	0-5	Q40
139,6707	-1.55	6-16	R22	139,9021	-.22	5-14	R29	140,1820	-2.43	2-8	R11	140,3437	-.35	0-5	P32	140,6637	-3.56	9-23	P15
139,6726	-.76	1-7	R40	139,9060	-.16	0-5	P24	140,1834	-.34	8-20	R1	140,3451	-.34	9-23	Q9	-140,6662	-.61	3-10	Q33
139,6738	-.87	1-7	P34	139,9065	-.26	3-10	P16	140,1840	-1.64	2-8	P6	140,3530	-.04	8-20	P9	140,6666	-.65	2-8	Q24
139,6752	-1.32	6-16	Q20	-139,9076	-.04	0-6	P56	140,1848	-.19	2-8	R12	140,3533	-.28	8-20	R12	140,6710	-2.38	8-20	Q18
139,6753	-1.28	5-14	R25	139,9119	-.08	4-12	P28	140,1848	-.34	8-20	R2	140,3534	-.12	9-23	R16	140,6710	-3.19	9-23	O16
139,6803	-1.23	3-10	R14	139,9200	-.72	7-18	Q17	140,1849	-.34	8-20	R0	140,3544	-.01	2-8	R19	-140,6730	-.96	0-5	P37
139,6813	-.07	3-10	Q11	139,9216	-.97	5-14	Q27	140,1866	-4.11	9-23	R2	-140,3592	-.68	3-10	Q28	140,6753	-3.43	9-23	R17
139,6834	-2.36	7-18	P9	139,9221	-.84	3-10	Q19	140,1887	-1.85	7-18	R24	140,3606	-.82	2-8	Q18	140,6813	-2.74	8-20	P17
-139,6842	-.51	1-7	Q37	-139,9224	-.00	0-5	R31	140,1888	-.35	8-20	R3	-140,3630	-.90	0-5	R39	-140,7001	-.96	3-10	P31
139,6871	-.86	0-5	Q22	139,9246	-.13	5-14	P25	140,1889	-.43	9-23	Q1	-140,3635	-.91	3-10	R31	-140,7012	-.85	0-5	R44
139,6877	-1.53	3-10	P9	139,9259	-.15	7-18	R19	140,1915	-1.26	5-14	P29	140,3650	-.15	7-18	P25	140,7014	-.184	7-18	P28
139,6894	-.92	4-12	Q21	139,9268	-.05	3-10	R22	140,1919	-.34	8-20	Q1	-140,3734	-.76	1-7	P43	140,7062	-.101	2-8	P22
139,6897	-1.07	0-5	R26	139,9577	-.19	4-12	P24	-140,2007	-.96	3-10	R28	140,3851	-.12	2-8	P14	140,7350	-.60	0-5	Q41
139,6999	-2.00	3-10	R15	139,9634	-.82	3-10	Q20	-140,2008	-.93	9-23	R4	140,3855	-.29	8-20	P10	-140,7365	-.59	3-10	Q34
139,6999	-1.30	4-12	P19	139,9637	-.82	1-7	P38	140,2008	-.12	8-20	R2	140,3857	-.27	8-20	R13	140,7454	-.95	0-5</td	

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
-140.9275	-.83	0- 5 R47	141.1812	-2.26	6-15 R12	141.3828	-1.74	5-13 R18	141.6007	-1.75	4-11 P12	141.8968	-1.60	0- 4 R 3					
140.9300	-2.64	8-20 P21	141.1837	-1.13	1- 6 P15	141.3837	-1.89	4-11 R 6	141.6023	-1.77	6-15 Q21	141.8975	-1.52	0- 4 R 4					
140.9326	-1.19	1- 6 R10	141.1841	-3.35	5-13 P 6	141.3843	-2.10	4-11 Q 2	141.6036	-2.76	7-17 R18	141.8976	-1.14	4-11 Q22					
140.9337	-3.45	9-23 P19	141.1859	-1.81	5-13 Q 8	141.3881	-.86	0- 5 P46	141.6046	-2.54	7-17 Q16	141.8977	-1.70	0- 4 R 2					
140.9355	-1.16	1- 6 Q 6	141.1869	-2.56	6-15 P 8	141.3904	-1.95	4-11 O 3	141.6121	-1.41	5-13 Q21	141.8984	-2.40	7-17 Q22					
140.9373	-1.13	1- 6 R12	141.1896	-1.93	5-13 R11	141.3927	-1.84	4-11 R 7	141.6130	-.52	1- 6 Q28	141.8987	-2.29	3- 9 P 3					
140.9387	-1.80	1- 6 P 4	141.1910	-2.08	6-15 O10	141.3930	-3.21	7-17 P 8	141.6141	-.89	1- 6 P25	141.8994	-1.55	3- 9 Q 5					
140.9411	-1.10	1- 6 Q 7	141.1946	-.70	1- 6 Q18	141.3950	-2.79	4-11 P 2	141.6146	-.76	0- 5 R55	141.8997	-2.64	7-17 R24					
140.9480	-1.16	1- 6 R11	141.2044	-2.27	5-13 Q 9	141.3986	-1.84	4-11 Q 4	141.6199	-.79	5-13 P19	141.8998	-1.45	0- 4 R 4					
140.9533	-1.67	1- 6 P 5	141.2050	-.54	0- 5 Q47	141.3988	-2.91	7-17 R12	141.6250	-.30	4-11 Q15	141.9004	-1.82	0- 4 R 1					
140.9602	-1.04	1- 6 Q 8	141.2056	-1.77	5-13 Q 9	141.4002	-.81	1- 6 R27	141.6261	-1.49	4-11 R18	141.9013	-1.55	3- 9 Q 9					
140.9622	-.57	0- 5 Q44	141.2066	-2.23	6-15 R13	141.4020	-2.73	7-17 O10	141.6341	-.72	4-11 P13	141.9037	-1.39	0- 4 R 6					
140.9641	-1.10	1- 6 R13	141.2072	-.89	1- 6 R22	141.4036	-1.79	4-11 R 8	141.6355	-.21	7-17 P15	141.9046	-2.00	0- 4 R 0					
-140.9692	-.92	2- 8 P27	141.2106	-1.90	5-13 R13	141.4039	-1.53	5-13 Q16	141.6358	-1.63	5-13 R24	141.9055	-.74	0- 5 R58					
140.9704	-1.57	1- 6 P 6	141.2132	-2.50	6-15 P 9	141.4065	-2.49	4-11 P 3	141.6392	-.74	1- 6 R32	141.9076	-1.36	4-11 R25					
-140.9728	-.92	0- 5 P41	141.2152	-.86	2- 8 P31	141.4078	-2.08	6-15 R19	141.6411	-1.99	6-15 R24	141.9095	-1.34	0- 4 R 7					
140.9759	-.79	2- 8 R33	141.2161	-.04	0- 5 P44	141.4083	-1.93	5-13 P14	141.6416	-.78	2- 8 P37	141.9109	-1.48	3- 9 Q 6					
140.9773	-.99	1- 6 Q 9	141.2171	-2.04	6-15 Q11	141.4088	-1.75	4-11 Q 5	141.6460	-2.73	7-17 R19	141.9121	-2.12	3- 9 P 4					
-140.9848	-.55	2- 8 Q30	141.2228	-1.10	1- 6 P16	141.4167	-1.75	4-11 R 9	141.6470	-.51	7-17 Q17	141.9123	-1.82	0- 4 Q 1					
140.9880	-1.07	1- 6 R14	141.2243	-.75	2- 8 R37	141.4168	-2.26	6-15 P15	141.6485	-.50	0- 5 Q52	141.9152	-1.52	3- 9 R10					
140.9885	-1.49	1- 6 P 7	141.2270	-2.20	5-13 P 8	141.4176	-.82	2- 8 P34	141.6515	-2.12	6-15 P20	141.9158	-1.52	4-11 P20					
-140.9931	-.90	3-10 P35	141.2271	-.50	2- 8 Q34	141.4194	-1.72	5-13 R19	141.6538	-.75	6-15 Q22	141.9159	-1.60	0- 4 D 2					
140.9963	-.95	1- 6 Q10	141.2273	-1.72	1- 6 Q10	141.4196	-1.86	6-15 Q17	141.6596	-.39	5-13 Q22	141.9165	-1.30	0- 4 R 8					
141.0016	-1.43	1- 6 P 8	141.2285	-.68	1- 6 Q19	141.4201	-2.32	4-11 P 4	141.6602	-1.47	4-11 R19	141.9210	-1.45	0- 4 Q 3					
-141.0066	-.82	0- 5 R48	141.2336	-.87	5-13 R13	141.4203	-3.15	7-17 P 9	141.6602	-.12	4-11 Q16	141.9245	-1.42	3- 9 Q 7					
141.0088	-.91	1- 6 Q11	141.2343	-2.20	6-15 R14	141.4212	-1.68	4-11 Q 6	141.6610	-.84	0- 5 P49	141.9247	-.68	1- 6 R37					
141.0103	-1.04	1- 6 R15	141.2416	-2.45	6-15 P10	141.4236	-.97	1- 6 P21	141.6651	-.50	1- 6 Q24	141.9257	-1.26	0- 4 R 9					
141.0283	-1.37	1- 6 P 9	141.2421	-.87	1- 6 R23	141.4241	-.58	1- 6 Q24	141.6663	-.87	1- 6 P26	141.9273	-1.99	3- 9 P 5					
-141.0298	-.91	2- 8 P28	141.2453	-.00	6-15 Q12	141.4267	-2.88	7-17 R13	141.6688	-.77	5-13 P32	141.9278	-1.34	0- 4 Q 4					
141.0337	-1.02	1- 6 R16	141.2513	-1.68	5-13 Q11	141.4300	-2.70	7-17 Q11	141.6688	-.68	4-11 P14	141.9278	-2.30	0- 4 P 2					
-141.0340	-.78	2- 8 R34	141.2517	-2.14	5-13 P 9	141.4302	-1.72	4-11 R10	141.6797	-2.88	7-17 P16	141.9309	-1.48	3- 9 R 11					
141.0357	-.87	1- 6 Q12	141.2556	-.79	0- 5 R51	141.4316	-.78	0- 5 R53	141.6843	-.61	5-13 R25	141.9356	-1.30	3- 13 Q27					
-141.0403	-.54	2- 8 Q31	141.2591	-.46	7-17 R 2	141.4352	-.46	2- 8 Q37	141.6890	-.25	4-11 Q17	141.9362	-1.22	0- 4 R10					
-141.0403	-.56	0- 5 Q45	141.2592	-.84	5-13 R14	141.4356	-1.62	4-11 Q 7	141.6916	-.71	7-17 R20	141.9363	-1.26	0- 4 Q 5					
-141.0523	-.90	0- 5 P42	141.2594	-3.58	7-17 R 1	141.4357	-2.19	4-11 P 5	141.6924	-.73	1- 6 R33	141.9389	-.47	0- 5 Q55					
141.0527	-1.32	1- 6 P10	141.2603	-1.07	1- 6 P17	141.4411	-1.50	5-13 Q17	141.6924	-2.49	7-17 Q18	141.9392	-2.00	0- 4 P 3					
141.0575	-2.92	6-15 R 1	141.2613	-3.76	7-17 R 0	141.4446	-.80	1- 6 R28	141.6960	-.45	4-11 R20	141.9400	-1.36	3- 9 Q 8					
141.0576	-2.80	6-15 R 2	141.2621	-3.36	7-17 R 3	141.4459	-1.90	5-13 P15	141.7050	-.65	4-11 P15	141.9420	-2.76	7-17 P21					
141.0583	-.99	1- 6 R17	141.2642	-.66	1- 6 Q20	141.4468	-1.68	4-11 R11	141.7056	-.20	6-15 P21	141.9446	-1.90	3- 9 P 6					
141.0594	-2.70	6-15 R 3	141.2644	-2.17	6-15 R15	141.4498	-3.10	7-17 P10	141.7076	-.73	6-15 Q23	141.9454	-1.12	4-11 Q23					
141.0598	-3.10	6-15 R 5	141.2673	-3.28	7-17 R 4	141.4498	-2.06	6-15 R20	141.7101	-.75	0- 5 R56	141.9462	-2.02	6-15 P25					
141.0624	-.84	1- 6 Q13	141.2685	-3.58	7-17 Q 1	141.4519	-1.56	4-11 Q 8	141.7107	-.37	5-13 Q23	141.9463	-1.18	0- 4 Q 6					
141.0644	-2.62	6-15 R 4	141.2722	-2.40	6-15 P11	141.4533	-2.10	4-11 P 6	141.7161	-.49	1- 6 Q30	141.9477	-1.66	5-13 P25					
141.0671	-2.92	6-15 Q 1	141.2738	-3.36	7-17 Q 2	141.4546	-2.85	7-17 R14	141.7201	-.77	2- 8 P38	141.9481	-1.18	0- 4 R11					
141.0716	-.81	1- 6 Q14	141.2752	-3.21	7-17 R 5	141.4581	-1.70	5-13 R20	141.7201	-.17	5-13 P21	141.9485	-1.45	3- 9 R 12					
141.0720	-2.70	6-15 Q 2	141.2759	-1.97	6-15 Q13	141.4591	-2.23	6-15 P16	141.7201	-.86	1- 6 P27	141.9503	-.81	0- 5 P52					
141.0723	-2.56	6-15 R 5	141.2773	-1.65	5-13 Q12	141.4617	-.83	6-15 Q18	141.7272	-.28	7-17 P17	141.9510	-.43	1- 6 Q34					
141.0783	-2.50	6-15 R 6	141.2788	-2.09	5-13 P10	141.4620	-2.66	7-17 Q12	141.7275	-.23	4-11 Q18	141.9520	-.82	0- 4 P 4					
141.0787	-1.27	1- 6 P11	141.2791	-.86	1- 6 R24	141.4639	-.51	0- 5 Q50	141.7342	-.43	4-11 R21	141.9543	-.80	1- 6 P31					
141.0793	-2.56	6-15 Q 3	141.2792	-2.85	2- 8 P32	141.4686	-1.65	4-11 R12	141.7373	-.16	5-13 R26	141.9563	-2.39	7-17 Q23					
141.0815	-3.40	6-15 P 2	141.2808	-3.21	7-17 P 3	141.4686	-.95	1- 6 P22	141.7397	-.27	7-17 R21	141.9565	-1.35	4-11 P21					
141.0987	-2.44	5-13 R 2	141.2864	-2.15	6-15 R18	141.4894	-2.83	7-17 R15	141.7641	-.71	6-15 Q24	141.9681	-1.42	3- 9 R13					
141.0993	-2.57	5-13 R 1	141.2981	-3.10	7-17 R 7	141.4899	-1.62	4-11 R13	141.7671	-.20	4-11 Q19	141.9714	-.07	0- 4 Q 8					
141.1000	-2.36	6-15 Q 5	141.2989	-1.04	1- 6 P18	141.4903	-.78	1- 6 R29	141.7730	-.47	1- 6 Q31	141.9722	-.12	3- 9 Q10					
141.1001	-2.35	5-13 R 3	141.3015	-.64	1- 6 Q21	141.4908	-1.47	4-11 Q10	141.7736	-.17	5-13 P22	141.9778	-.12	0- 4 R13					
-141.1011	-0.52	2- 8 Q32	141.3018	-.87	0- 5 P45	141.4915	-.81	2- 8 P35	141.7745	-.41	4-11 R22	141.9827	-1.60	0- 4 P 6					
141.1024	-2.74	5-13 R 0	141.30																

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
142,0863	-.84	0- 4 Q14	-142,5078	-.34	1- 6 Q42	142,7575	-1.18	3- 9 P27	-143,1067	-.66	0- 4 R41	143,2991	-3.70	5-12 P 3										
142,0884	-1.30	0- 4 P11	142,5122	-.96	0- 4 P23	142,7611	-.87	0- 4 P28	143,1101	-5.46	6-14 P 3	143,3021	-4.51	6-14 R16										
142,0885	-1.55	3- 9 P12	-142,5124	-.69	1- 6 P39	142,7630	-1.14	2- 7 R17	143,1148	-4.72	6-14 Q 5	143,3022	-2.96	5-12 P 5										
142,0953	-1.29	3- 9 R18	142,5334	-.125	3- 9 P23	142,7688	-2.50	9-21 Q10	143,1158	-4.77	6-14 R 8	143,3097	-.64	0- 4 R44										
142,1010	-1.07	4-11 Q26	142,5432	-.56	0- 4 Q27	142,7738	-1.42	2- 7 P11	-143,1179	-.78	0- 4 P34	143,3122	-2.96	5-12 R 9										
142,1027	-1.10	3- 9 Q15	-142,5476	-.78	0- 4 R31	142,7758	-2.92	9-21 P 9	143,1198	-.96	2- 7 R27	143,3127	-3.09	7-16 R14										
142,1066	-.98	0- 4 R19	-142,5499	-1.10	3- 9 R29	-142,7768	-.81	3- 9 Q30	143,1231	-2.25	9-21 Q18	143,3131	-3.53	5-12 P 4										
-142,1110	-.73	0- 5 R60	142,5530	-.87	3- 9 Q26	142,7805	-.96	2- 7 Q14	143,1240	-3.82	7-16 R 1	143,3149	-2.89	5-12 Q 6										
142,1115	-.81	0- 4 Q15	142,5550	-.94	0- 4 P24	142,7848	-2.68	9-21 R12	143,1242	-3.70	7-16 R 2	143,3150	-3.34	7-16 P10										
142,1145	-1.26	0- 4 P12	-142,5597	-.59	1- 6 R4	142,7903	-1.12	2- 7 R18	143,1244	-5.29	6-14 P 4	143,3161	-.90	2- 7 R31										
-142,1188	-.65	1- 6 R40	-142,5750	-.43	0- 5 Q61	-142,7954	-.49	0- 4 Q32	143,1263	-3.60	7-16 R 3	143,3188	-.74	0- 4 P37										
142,1193	-1.52	3- 9 P13	142,5765	-.172	2- 7 R 3	142,8015	-.138	2- 7 P12	143,1266	-4.00	7-16 R 0	143,3194	-4.30	6-14 Q14										
142,1241	-1.43	4-11 P24	142,5768	-.182	2- 7 R 2	142,8023	-2.46	9-21 Q11	143,1284	-.65	6-14 Q 6	143,3199	-4.72	6-14 P12										
142,1267	-1.27	3- 9 R19	142,5781	-.164	2- 7 R 4	-142,8046	-.72	0- 4 R36	143,1310	-3.52	7-16 R 4	143,3211	-2.90	7-16 Q12										
142,1299	-2.70	7-17 P24	142,5791	-.194	2- 7 R 1	-142,8066	-.57	1- 6 R49	143,1311	-4.72	6-14 R 9	143,3261	-2.54	9-21 P20										
142,1337	-1.08	3- 9 Q16	142,5813	-.157	2- 7 R 5	142,8080	-.93	2- 7 Q15	143,1339	-3.82	7-16 Q 1	143,3281	-2.92	5-12 R10										
142,1337	-.96	0- 4 R20	142,5830	-.212	2- 7 R 0	142,8101	-.287	9-21 P10	143,1349	-1.12	2- 7 P21	143,3292	-.340	5-12 P 5										
142,1381	-.78	0- 4 Q16	-142,5848	-.76	0- 5 P58	-142,8120	-.75	0- 5 P60	143,1383	-2.62	9-21 P17	143,3299	-2.83	5-12 Q 7										
142,1418	-1.22	0- 4 P13	-142,5863	-.33	1- 6 Q43	142,8159	-.85	0- 4 P29	143,1383	-3.45	7-16 R 5	143,3317	-1.04	2- 7 P25										
142,1419	-1.61	5-13 P28	142,5863	-.151	2- 7 R 6	142,8182	-.116	3- 9 P28	143,1387	-3.60	7-16 Q 2	143,3356	-.66	2- 7 Q28										
-142,1425	-.46	0- 5 057	142,5879	-.123	3- 9 P24	142,8193	-.110	2- 7 R19	143,1389	-.73	2- 7 Q24	143,3356	-4.49	6-14 R17										
-142,1454	-.40	1- 6 Q37	142,5901	-.54	0- 4 Q28	142,8202	-2.65	9-21 R13	143,1407	-5.16	6-14 P 5	143,3444	-3.07	7-16 R15										
142,1466	-2.33	7-17 Q26	-142,5904	-.68	1- 6 P40	142,8311	-.134	2- 7 P13	143,1441	-.49	6-14 Q 7	143,3462	-2.89	5-12 R11										
-142,1495	-.75	1- 6 P34	142,5907	-.194	2- 7 Q 0	-142,8328	-.30	1- 6 Q46	143,1463	-3.45	7-16 Q 3	143,3465	-3.30	7-16 P11										
142,1520	-1.48	3- 9 P14	142,5932	-.146	2- 7 R 7	142,8373	-.90	2- 7 Q 16	143,1480	-3.39	7-16 R 6	143,3470	-2.77	5-12 Q 8										
-142,1535	-.79	0- 5 P54	142,5944	-.172	2- 7 Q 2	-142,8380	-.65	1- 6 P43	143,1485	-4.69	6-14 R10	143,3475	-3.30	5-12 P 6										
142,1574	-1.05	4-11 Q27	-142,5959	-.77	0- 4 R32	-142,8381	-.80	3- 9 Q31	143,1487	-4.30	7-16 P 2	143,3529	-2.87	7-16 Q13										
142,1600	-1.25	3- 9 R20	142,5970	-.335	9-21 R 1	142,8388	-.242	9-21 Q12	-143,1526	-1.09	3- 9 P33	143,3536	-4.27	6-14 Q15										
142,1628	-.94	0- 4 R21	142,5977	-.152	9-21 R 0	142,8479	-.282	9-21 P11	143,1558	-3.34	7-16 Q 4	143,3549	-4.69	6-14 P13										
142,1665	-.75	0- 4 Q17	142,5988	-.322	9-21 R 2	142,8502	-.108	2- 7 R20	-143,1564	-.61	0- 4 Q38	143,3554	-.52	1- 6 R55										
142,1667	-1.05	3- 9 Q17	142,5999	-.157	2- 7 Q 3	-142,8519	-.47	0- 4 Q33	143,1594	-5.07	6-14 P 6	143,3624	-.38	0- 4 Q41										
142,1717	-1.18	0- 4 P14	142,6018	-.142	2- 7 R 8	142,8519	-.262	9-21 R 14	143,1601	-3.34	7-16 R 7	143,3662	-2.72	5-12 W 9										
142,1813	-1.41	4-11 P25	142,6038	-.312	9-21 R 3	-142,8614	-.71	0- 4 R37	143,1608	-4.00	7-16 P 3	143,3665	-2.86	5-12 R12										
142,1868	-1.45	3- 9 P15	-142,6041	-.109	3- 9 R30	142,8626	-.130	2- 7 P14	143,1622	-4.54	6-14 Q 8	143,3677	-3.23	5-12 P 7										
-142,1878	-.64	1- 6 R41	142,6049	-.335	9-21 C 1	142,8684	-.87	2- 7 Q17	-143,1650	-.94	2- 7 R28	143,3682	-.89	2- 7 R32										
142,1940	-.92	0- 4 R22	142,6060	-.85	3- 9 Q27	142,8728	-.84	0- 4 P30	-143,1656	-.53	1- 6 R53	143,3715	-.46	6-14 R18										
142,1954	-1.23	3- 9 R21	142,6060	-.242	2- 7 P 2	142,8783	-.239	9-21 Q13	143,1679	-3.26	7-16 Q 5	143,3738	-.63	0- 4 N45										
142,1965	-.73	0- 4 Q18	142,6066	-.92	0- 4 P25	142,8810	-.115	3- 9 P29	143,1686	-.65	6-14 R11	143,3786	-.304	7-16 R16										
142,1984	-2.68	7-17 P25	142,6072	-.146	2- 7 Q 4	142,8830	-.016	2- 7 R21	-143,1711	-.73	0- 5 P63	143,3805	-3.26	7-16 P12										
142,2017	-1.03	3- 9 Q18	142,6113	-.312	9-21 R 2	142,8887	-.278	9-21 P12	-143,1726	-.65	0- 4 R42	143,3818	-.25	1- 6 O52										
142,2027	-1.15	0- 4 P15	142,6117	-.304	9-21 R 4	-142,8933	-.56	1- 6 R50	143,1747	-3.30	7-16 R 8	143,3845	-.59	1- 6 P49										
-142,2141	-.39	1- 6 D38	142,6125	-.138	2- 7 R 9	142,8956	-.217	9-21 P13	143,1777	-2.59	9-21 Q18	143,3919	-.46	6-14 P7	143,3870	-2.84	7-16 Q14							
-142,2146	-.72	0- 5 R61	142,6164	-.138	2- 7 O 5	142,9005	-.259	9-21 R15	143,1805	-4.99	7-16 Q 7	143,3919	-.65	6-14 R12	143,3942	-.65	2- 7 Q29							
-142,2181	-.74	1- 6 P35	142,6175	-.212	2- 7 P 3	142,9014	-.85	2- 7 Q18	143,1812	-1.10	2- 7 P22	143,3876	-2.68	5-12 Q10										
142,2234	-1.42	3- 9 P16	142,6193	-.382	9-21 R 2	-142,9014	-.85	2- 7 R16	143,2056	-.44	6-14 Q15													
142,2260	-.90	0- 4 R23	142,6204	-.298	9-21 Q 3	-142,9096	-.46	0- 4 P34	143,1826	-3.18	7-16 Q 6	143,3898	-.73	0- 4 P38										
142,2282	-.71	0- 4 Q19	142,6227	-.298	9-21 R 5	142,9177	-.104	2- 7 R22	143,1828	-4.49	6-14 Q 9	143,3901	-4.25	6-14 Q16										
142,2327	-1.21	3- 9 R22	142,6248	-.134	2- 7 R10	-142,9191	-.29	1- 6 Q47	143,1852	-.71	2- 7 Q25	143,3902	-3.16	5-12 P 8										
142,2357	-.12	0- 4 P16	142,6273	-.130	2- 7 P 6	142,9297	-.100	2- 7 R24	143,1923	-3.18	7-16 R 11	143,3945	-3.00	7-16 R18										
142,2385	-.37	1- 6 D39	142,6356	-.287	9-21 R 8	142,9317	-.23	9-21 R17	143,1947	-2.62	7-16 P 7	143,3946	-3.04	8-18 R 0										
142,2409	-.87	0- 4 R25	142,6551	-.75	0- 4 P26	143,0700	-.119	-.43	0- 4 Q36	143,2343	-3.52	7-16 P 7	143,3953	-2.52	9-21 P21									
142,2466	-.66	0- 4 Q21	142,6564	-.227	0- 5 Q62	143,0733	-.29	1- 6 Q48	14															

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
143,5111	-3.04	8-18	P 5	-143,6841	-.94	2- 7	P 31	143,8565	-2.32	8-18	R 19	144,0885	-2.83	9-20	R 1	144,2853	-1.95	9-20	Q 1
143,5133	-4.17	6-14	Q 19	143,6847	-3.13	4- 10	R 0	143,8573	-.48	4-10	P 10	144,0886	-.76	2- 7	R 43	144,2883	-2.30	8-18	P 23
143,5170	-4.56	6-14	P 17	143,6853	-.57	1- 6	P 52	143,8586	-.98	7-16	P 22	144,0887	-2.34	10-23	Q 5	144,2912	-.62	0- 4	P 49
143,5208	-2.60	8-18	R 9	-143,6857	-.59	0- 4	R 49	143,8602	-.29	6-14	R 28	144,0887	-2.90	10-23	P 4	144,2945	-2.57	5-12	P 28
143,5235	-2.46	8-18	L 7	143,6860	-.58	2- 7	Q 34	143,8628	-.33	5-12	Q 23	144,0896	-2.48	10-23	R 6	144,2957	-2.13	9-20	R 13
143,5267	-2.51	5-12	Q 15	143,6865	-2.59	4-10	R 5	143,8660	-.61	7-16	Q 24	144,0898	-2.71	9-20	R 2	144,2957	-1.74	4-10	Q 24
143,5283	-1.56	1- 5	R 3	143,6881	-2.90	7-16	R 23	143,8674	-.18	4-10	R 16	144,0902	-.01	9-20	R 0	144,2973	-.48	1- 5	Q 29
143,5290	-1.48	1- 5	R 4	143,6889	-2.62	5-12	R 22	143,8686	-.79	2- 7	R 40	144,0919	-2.23	4-10	P 17	144,2980	-2.35	9-20	P 10
143,5291	-1.65	1- 5	R 2	143,6891	-3.04	7-16	P 19	143,8706	-.66	1- 5	P 19	144,0938	-2.61	9-20	R 3	144,3028	-4.30	6-14	P 30
-143,5303	-.61	0- 4	R 47	143,6891	-2.21	8-18	Q 13	143,8728	-.86	1- 5	R 23	144,0975	-2.83	9-20	Q 1	144,3047	-1.97	4-10	R 27
143,5315	-1.41	1- 5	R 5	143,6894	-2.80	5-12	P 17	143,8736	-2.00	4-10	Q 13	144,0978	-2.36	8-18	P 20	144,3068	-.71	1- 5	R 33
143,5319	-1.78	1- 5	R 1	143,6896	-4.33	6-14	R 25	143,8752	-.08	1- 5	P 16	144,1012	-2.53	9-20	R 4	144,3103	-.86	1- 5	P 26
143,5330	-2.94	8-18	P 6	143,6902	-2.61	8-18	R 15	143,8776	-.56	5-12	R 26	144,1024	-.64	0- 4	P 47	144,3109	-1.93	8-18	Q 25
143,5336	-2.70	5-12	R 18	-143,6907	-.69	0- 4	P 42	143,8785	-.70	5-12	P 21	144,1032	-2.61	9-20	Q 2	144,3191	-2.38	10-23	P 11
143,5346	-2.92	5-12	P 13	143,6924	-2.96	4-10	Q 1	143,8834	-.46	8-18	P 16	144,1035	-2.62	5-12	P 25	144,3201	-1.91	9-20	Q 12
143,5356	-1.35	1- 5	R 6	143,6929	-2.53	4-10	R 6	143,8841	-.04	6-14	Q 26	144,1039	-.86	2- 7	P 37	144,3221	-2.20	10-23	R 13
143,5364	-1.95	1- 5	R 0	143,6954	-2.66	7-16	Q 21	143,8852	-.24	4-10	P 11	144,1051	-.55	1- 5	Q 25	144,3238	-1.98	10-23	Q 12
-143,5372	-.71	0- 4	P 40	143,6961	-.98	1- 5	R 17	143,8861	-.90	2- 7	P 34	144,1080	-.51	2- 7	Q 40	144,3268	-.74	2- 7	R 46
-143,5388	-.85	2- 7	R 35	143,6963	-2.74	4-10	Q 5	143,8893	-.54	2- 7	Q 37	144,1111	-2.46	9-20	R 5	144,3269	-2.35	3- 8	R 3
143,5388	-.39	6-14	R 22	143,6985	-1.30	1- 5	P 10	143,8904	-.40	6-14	P 24	144,1113	-2.04	4-10	R 23	144,3271	-2.45	3- 8	R 2
143,5399	-2.96	7-16	R 20	143,6993	-.82	1- 5	Q 13	143,8950	-.55	1- 6	P 54	144,1117	-2.43	10-23	R 7	144,3274	-2.11	4-10	P 22
143,5416	-.130	1- 5	R 7	143,7014	-2.48	4-10	R 7	143,8967	-.16	4-10	R 17	144,1118	-1.82	4-10	Q 20	144,3286	-2.28	3- 8	R 4
143,5419	-.312	7-16	P 16	143,7024	-2.59	4-10	Q 3	143,9005	-.07	8-18	Q 18	144,1118	-2.46	9-20	Q 3	144,3292	-2.58	3- 8	R 1
143,5424	-2.56	8-18	R 10	143,7077	-.34	4-10	P 2	143,9021	-.97	4-10	Q 14	144,1122	-3.31	9-20	P 2	144,3320	-2.10	9-20	R 14
143,5443	-.178	1- 5	P 1	143,7103	-2.48	4-10	Q 4	143,9050	-.30	8-18	R 20	144,1127	-2.78	10-23	P 5	144,3322	-2.21	3- 8	R 5
143,5446	-2.41	8-18	Q 8	143,7107	-4.09	6-14	Q 23	143,9053	-.64	1- 5	Q 20	144,1145	-2.27	10-23	Q 6	144,3332	-2.75	3- 8	R 0
143,5476	-.156	1- 5	P 2	143,7114	-2.60	8-18	P 12	143,9060	-.31	0- 4	Q 48	144,1146	-.76	1- 5	R 29	144,3342	-2.31	9-20	P 11
143,5483	-.273	7-16	Q 18	143,7118	-2.63	4-10	R 8	143,9084	-.84	1- 5	R 24	144,1150	-.93	1- 5	P 22	144,3373	-.83	2- 7	P 40
143,5493	-.126	1- 5	R 8	143,7167	-4.66	6-14	P 21	143,9107	-.05	1- 5	P 17	144,1164	-.53	1- 6	P 56	144,3374	-2.15	3- 8	R 6
143,5527	-.141	1- 5	P 3	143,7192	-3.13	4-10	P 3	143,9147	-.31	5-12	Q 24	144,1184	-1.99	8-18	Q 22	144,3410	-2.58	3- 8	Q 1
143,5564	-.286	8-18	P 7	143,7196	-2.39	5-12	Q 20	143,9151	-.29	4-10	P 12	144,1232	-2.35	9-20	Q 4	144,3448	-2.35	3- 8	Q 2
143,5586	-.121	1- 5	R 9	143,7204	-2.39	4-10	Q 5	143,9205	-.96	7-16	P 23	144,1240	-.24	9-20	R 6	144,3452	-.210	3- 8	R 7
143,5596	-.97	2- 7	P 29	143,7212	-.95	1- 5	R 18	143,9217	-.47	6-14	R 29	144,1252	-.30	9-20	P 3	144,3456	-.48	2- 7	Q 43
143,5597	-.130	1- 5	P 4	143,7234	-.79	1- 5	Q 14	143,9280	-.13	4-10	R 18	144,1263	-2.22	8-18	R 24	144,3467	-.27	0- 4	Q 53
143,5597	-.415	6-14	Q 20	143,7236	-1.26	1- 5	P 11	143,9320	-.68	5-12	P 22	144,1322	-2.68	10-23	P 6	144,3468	-1.73	4-10	Q 25
143,5600	-.226	1- 5	P 2	143,7244	-2.39	4-10	R 9	143,9322	-.54	5-12	R 27	144,1357	-2.20	4-10	P 18	144,3491	-1.96	4-10	R 28
143,5609	-2.48	5-12	P 16	143,7249	-.82	2- 7	R 38	143,9325	-.94	4-10	Q 15	144,1369	-2.38	10-23	R 8	144,3504	-2.21	3- 8	Q 3
-143,5616	-.61	2- 7	Q 32	143,7260	-2.18	8-18	Q 14	143,9329	-.57	0- 4	R 52	144,1379	-2.27	9-20	Q 5	144,3510	-.47	1- 5	Q 30
143,5634	-.54	6-14	P 18	143,7279	-2.58	8-18	R 16	143,9331	-.43	8-18	P 17	144,1398	-2.35	9-20	R 7	144,3546	-2.05	3- 8	K 8
143,5664	-.252	8-18	R 11	143,7324	-2.32	4-10	Q 6	143,9376	-.65	0- 4	P 45	144,1404	-2.20	10-23	Q 7	144,3563	-2.28	8-18	P 24
143,5679	-.236	8-18	Q 9	143,7325	-2.61	5-12	R 23	143,9416	-.62	1- 5	Q 21	144,1412	-2.83	9-20	P 4	144,3566	-3.05	3- 8	P 2
143,5683	-.121	1- 5	P 5	143,7330	-2.96	4-10	P 4	143,9429	-.78	2- 7	R 41	144,1443	-2.25	5-12	Q 28	144,3578	-.188	9-20	Q 13
143,5686	-.268	5-12	R 19	143,7336	-2.77	5-12	P 18	143,9459	-.82	1- 5	R 25	144,1466	-3.98	6-14	P 30	144,3581	-2.10	3- 8	Q 4
143,5698	-.118	1- 5	R 10	143,7389	-2.36	4-10	R 10	143,9465	-.03	6-14	Q 27	144,1505	-.53	1- 5	P 20	144,3635	-.70	1- 5	P 34
143,5702	-.289	5-12	P 14	143,7411	-.33	0- 4	Q 66	143,9470	-.26	4-10	P 13	144,1549	-2.02	4-10	R 24	144,3636	-.84	1- 5	P 27
143,5711	-.195	1- 5	P 3	143,7429	-3.02	7-16	P 20	143,9480	-.02	1- 5	P 18	144,1551	-1.80	4-10	Q 21	144,3645	-2.56	5-12	P 29
143,5786	-.114	1- 5	P 6	143,7444	-4.32	6-14	R 26	143,9503	-.205	1- 5	Q 25	144,1644	-2.61	9-20	Q 6	144,3658	-.201	3- 8	R 9
-143,5806	-.24	1- 6	Q 54	143,7464	-2.26	4-10	Q 7	143,9535	-.439	6-14	P 25	144,1656	-4.33	6-14	P 28	144,3668	-2.34	10-23	P 12
143,5822	-.279	8-18	P 8	143,7480	-.93	1- 5	R 19	143,9562	-.28	8-18	R 21	144,1585	-2.31	9-20	R 8	144,3676	-.201	3- 8	Q 5
143,5826	-.114	1- 5	R 11	143,7486	-2.83	4-10	P 15	143,9582	-.89	2- 7	P 35	144,1588	-2.34	8-18	P 21	144,3681	-2.75	3- 8	P 3
-143,5828	-.57	1- 6	P 51	143,7493	-.76	1- 5	Q 15	143,9626	-.211	4-10	R 19	144,1598	-.271	9-20	P 5	144,3712	-2.18	10-23	R 14
-143,5832	-.35	0- 4	P 46	143,7498	-2.66	7-16	Q 22	143,9638	-.53	2- 7	Q 38	144,1606	-.75	1- 5	R 30	144,3713	-.208	9-20	R 15
143,5841	-.178	1- 5	P 4	143,7498	-.93	2- 7	P 32	143,9653	-.192	4-10	Q 16	144,1611	-.91	1- 5	P 23	144,3719	-.195	10-23	Q 13
143,5868	-.237	6-14	R 23	143,7501	-2.56	8-18	P 13	143,9693	-.30	5-12	Q 25	144,1644	-2.61	5-12	P 26	144,3738	-.227	9-20	P 12
143,5869	-.294	7-16	R 21	143,7505	-1.21	1- 5	P 12	143,9799	-.60	1- 5	Q 22	144,1653	-2.60	10-23	P 7				

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	
144.4989	-1.80	3- 8	R16	144.7942	-2.03	9-20	P20	145.1656	-2.21	7-15	Q 5	145.3138	-1.56	1- 5	R48	145.5088	-2.15	6-13	R18	144.5028	-2.10	3- 8	P10	144.7987	-1.53
144.5033	-2.24	8-18	P26	144.8003	-0.96	0- 3	R13	145.1683	-2.25	7-15	R 8	145.3148	-1.85	7-15	Q12	145.5101	-2.11	8-17	P11	144.5069	-2.01	9-20	R18	144.8006	-0.91
144.5089	-2.16	9-20	P15	144.8034	-1.97	4-10	P30	145.1743	-1.88	0- 3	P19	145.3180	-2.81	8-17	P 3	145.5215	-1.91	7-15	R20	144.5124	-1.62	3- 8	O13	144.8065	-1.62
-144.5127	-0.81	2- 7	P42	144.8131	-2.12	10-23	P19	145.1804	-2.14	7-15	P 4	145.3193	-2.16	8-17	R 7	145.5241	-1.58	2- 6	P15	144.5160	-0.46	2- 7	O45	144.8148	-1.44
-144.5167	-1.92	4-10	R31	144.8153	-0.86	0- 3	O9	145.1848	-2.21	7-15	R 9	145.3298	-1.41	2- 6	Q10	145.5320	-1.16	2- 6	Q18	144.5171	-1.68	4-10	P28	144.8166	-0.93
-144.5178	-0.43	1- 5	O33	144.8176	-1.80	3- 8	P19	145.1931	-1.46	0- 3	O23	145.3304	-2.67	6-13	P 7	145.5349	-1.72	0- 3	P27	144.5286	-1.77	3- 8	R17	144.8219	-1.40
144.5296	-2.05	3- 8	P11	144.8312	-1.61	4-10	Q33	145.2006	-1.32	1- 5	P43	145.3325	-2.64	8-17	P 4	145.5392	-1.35	2- 6	R22	144.5332	-2.23	10-23	P15	144.8318	-0.81
144.5343	-0.79	1- 5	P30	144.8326	-1.36	3- 8	P7	145.2118	-2.55	7-15	P 6	145.3346	-2.11	8-17	R 8	145.5406	-2.34	6-13	P14	-144.5349	-0.66	1- 5	R37	144.8348	-0.91
144.5384	-1.76	9-20	Q17	144.8350	-0.37	1- 5	O38	145.2151	-1.51	3- 8	R33	145.3369	-1.88	2- 6	P 8	145.5464	-2.07	8-17	P12	144.5391	-1.59	3- 8	Q14	144.8495	-0.77
144.5397	-1.86	10-23	K16	144.8521	-1.29	0- 3	P8	145.2162	-2.13	2- 6	R 2	145.3400	-1.50	2- 6	R15	145.5502	-0.62	1- 5	P44	144.5430	-2.10	10-23	R17	144.8522	-0.72
144.5469	-2.04	4-10	P26	144.8530	-1.61	3- 8	R26	145.2174	-1.83	2- 6	R 4	145.3412	-0.79	0- 3	P23	145.5508	-1.86	8-17	R16	144.5514	-1.75	3- 8	R18	144.8545	-0.88
144.5583	-1.99	9-20	R19	144.8560	-1.77	3- 8	P20	145.2189	-2.25	2- 6	R 1	145.3442	-2.25	7-15	P11	145.5618	-3.03	5-11	R3	144.5588	-2.01	3- 8	P12	144.8587	-0.61
144.5599	-2.13	9-20	P16	144.8605	-0.21	9-20	P21	145.2202	-2.85	6-13	R 2	145.3504	-1.24	3- 8	Q32	145.5645	-2.95	5-11	R4	144.5682	-1.56	3- 8	O15	144.8667	-1.38
-144.5721	-1.66	4-10	O29	144.8690	-0.74	0- 3	Q12	145.2214	-1.64	3- 8	P27	145.3518	-2.07	8-17	R 9	145.5663	-3.43	5-11	R0	-144.5765	-0.59	0- 4	P52	144.8719	-1.96
144.5784	-1.90	4-10	R32	144.8732	-1.23	0- 3	P9	145.2215	-1.66	0- 3	R28	145.3537	-2.60	6-13	P 8	145.5667	-1.89	7-15	R21	144.5802	-2.22	8-18	P27	144.8757	-0.86
144.5829	-1.73	3- 8	R19	144.8796	-0.57	0- 4	P55	145.2232	-1.66	1- 5	P40	145.3601	-1.30	1- 5	Q45	145.5694	-2.89	5-11	R5	144.5890	-1.97	3- 8	P13	144.8892	-0.70
144.5912	-1.74	9-20	Q18	144.8904	-1.59	3- 8	R27	145.2250	-2.67	6-13	R 1	145.3606	-1.51	8-17	P 5	145.5645	-1.55	2- 6	P16	144.5934	-1.54	3- 8	W16	144.8960	-1.18
144.5960	-0.78	1- 5	P31	144.8988	-0.83	0- 3	R18	145.2306	-2.60	6-13	R 3	145.3664	-1.83	2- 6	O1	145.5783	-3.03	5-11	Q2	144.5974	-0.65	1- 5	R38	144.9032	-1.60
144.6002	-0.79	2- 7	P43	144.9046	-0.36	1- 5	Q39	145.2320	-2.97	6-13	Q 1	145.3731	-2.03	8-17	R10	145.5827	-2.05	7-15	P17	144.6038	-1.84	10-23	Q17	144.9061	-1.36
-144.6049	-0.45	2- 7	Q66	144.9132	-0.67	0- 3	D14	145.2326	-1.56	1- 5	R47	145.3789	-2.21	7-15	P12	145.5741	-3.26	5-11	Q1	144.6080	-2.02	4-10	P27	144.9205	-1.14
144.6140	-2.10	9-20	P17	144.9235	-0.81	0- 3	R19	145.2348	-2.03	2- 6	O 2	145.3795	-1.88	8-17	R 8	145.5856	-2.11	6-13	R20	144.6155	-1.71	3- 8	R20	144.9249	-0.71
144.6217	-1.94	3- 8	P18	144.9312	-0.60	1- 5	R43	145.2363	-2.75	6-13	Q 2	145.3825	-0.64	1- 5	P42	145.5826	-1.66	7-15	Q19	144.6250	-1.51	3- 8	Q17	144.9375	-0.64
-144.6340	-1.65	4-10	O30	144.9419	-1.58	3- 8	Q24	145.2326	-1.45	6-13	R 0	145.3613	-0.40	0- 3	Q27	145.5741	-3.26	5-11	Q1	-144.6402	-1.89	4-10	R33	144.9451	-1.94
144.6412	-0.40	1- 5	O35	144.9462	-1.09	0- 3	P12	145.2432	-2.60	6-13	R 3	145.3898	-1.77	2- 6	P10	145.5763	-2.78	5-11	R7	144.6468	-1.72	9-20	Q19	144.9498	-0.79
144.6501	-1.69	3- 8	R21	144.9516	-1.73	3- 8	P22	145.2470	-2.73	2- 6	P 2	145.3964	-2.00	8-17	R11	145.6030	-1.12	2- 6	Q20	144.6562	-1.91	3- 8	P15	144.9588	-1.35
-144.6520	-1.76	1- 5	P32	144.9637	-0.62	0- 3	Q16	145.2474	-1.77	6-13	Q 2	145.3825	-0.64	1- 5	P42	145.5896	-3.73	5-11	P2	144.6580	-1.76	1- 5	Q38	144.9697	-0.62
144.6594	-0.64	1- 5	R39	144.9702	-0.76	2- 7	P47	145.2488	-2.50	6-13	R 7	145.3872	-0.77	0- 3	P24	145.5929	-2.78	5-11	Q4	144.6637	-2.18	10-23	P17	144.9739	-1.06
144.6660	-2.21	8-18	P28	144.9739	-1.06	0- 3	P13	145.2493	-1.69	2- 6	R 9	145.3792	-2.55	6-13	P 9	145.5953	-2.78	5-11	R7	144.6715	-1.71	3- 8	R20	144.9757	-0.35
144.6746	-1.49	3- 8	Q18	144.9778	-0.77	0- 3	R21	145.2544	-0.83	0- 3	P21	145.4039	-0.05	6-13	Q 12	145.6121	-1.31	2- 6	R24	144.6709	-2.08	9-20	P18	144.9915	-0.59
144.6743	-1.81	10-23	Q18	144.9955	-1.56	3- 8	R29	145.2587	-2.43	2- 6	O 4	145.3974	-1.30	1- 5	Q45	145.6122	-1.66	6-13	Q18	144.6750	-2.00	4-10	P28	144.9963	-0.62
-144.6760	-0.58	0- 4	P53	145.0019	-1.71	3- 8	P23	145.2590	-1.93	7-15	Q 10	145.4002	-1.97	7-15	R17	145.6093	-1.55	3- 8	P33	144.6871	-1.67	3- 8	R22	145.0032	-1.02
144.6880	-0.78	2- 7	P44	145.0032	-0.59	1- 5	R44	145.2613	-2.45	6-13	Q 3	145.4088	-1.77	2- 6	P10	145.6096	-2.69	5-11	R9	144.6921	-0.44	2- 7	Q47	145.0075	-0.76
144.6984	-1.64	4-10	O31	145.0179	-1.93	4-10	P33	145.2633	-2.41	6-13	Q 5	145.4153	-1.23	2- 6	Q33	145.6266	-2.09	6-13	R21	144.7011	-1.46	3- 8	R19	145.0208	-1.35
144.7028	-0.39	1- 5	Q36	145.0342	-0.99	0- 3	P15	145.2678	-1.62	2- 6	O 6	145.4166	-2.27	8-17	P 8	145.6307	-2.02	7-15	P18	144.7056	-1.70	9-20	Q20	145.0389	-0.74
144.7185	-1.66	3- 8	R23	145.0452	-1.55	3- 8	R30	145.2728	-2.08	2- 6	O 2	145.4172	-1.79	7-15	R13	145.6209	-2.27	6-13	P16	144.7245	-0.63	1- 5	R40	145.0487	-0.34
144.7255	-0.75	1- 5	P33	145.0520	-0.54	0- 3	Q19	145.2737	-1.43	0- 3	Q25	145.4396	-0.55	1- 5	R49	145.6031	-1.53	2- 6	P17	144.7262	-1.44	3- 8	P24	145.0546	-0.54
144.7262	-1.44	3- 8	R3	145.0546	-1.69	3- 8	P24	145.2739	-2.97	6-13	R 4	145.4371	-2.45	2- 6	P12	145.6157	-3.26	5-11	P4	144.7262	-1.36	3- 8	R36	145.0569	-1.31
144.7275	-1.53	3- 8	R2	145.0667	-0.96	0- 3	P16	145.2759	-2.41	6-13	R 9	145.4390	-1.24	2- 6	P15	145.6161	-2.62	5-11	R6	144.7278	-1.29	3- 8	R29	145.0667	-0.75
144.7309	-1.66	0- 3	R1	145.0685	-0.69	1- 5	P38	145.2777	-1.62	2- 6	R 11	145.4430	-0.29	1- 5	Q46	145.6230	-2.65	5-11	P5	144.7312	-1.23	0- 3	R6	145.0719	-0.72
144.7312	-2.05	9-20	P19	145.0776	-0.58	1- 5	R45	145.2804	-2.64	8-17	R 2	145.4455	-1.69	2- 6	P12	145.6501	-3.03	5-11	P6	144.7314	-1.85	3- 8	P17	145.0848	-0.52
144.7352	-2.15	10-23	P18	145.0953	-1.92	4-10	P34	145.2825	-2.81	8-17	R 7	145.4507	-1.94	8-17	R13	145.6548	-1.86	6-13	Q19	144.7355	-1.83	0- 3	R0	145.0993	-1.54
144.7362	-1.18	0- 3	R7	145.1010	-0.93	0- 3	P17	145.2832	-2.35	7-15	P 9	145.4534	-1.73	7-15	P16	145.6621	-2.56	5-11	R12	144.7362	-1.18	0- 3	R7	145.1018	-1.67
144.7428	-1.14	0- 3	R8	145.1																					

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
145.7176	-2.83	5-11	P 9	146.0472	-1.79	8-17	P 21	146.3728	-1.56	1- 4	O 3	-146.6575	-1.19	2- 6	P 36	-147.0769	-2.44	4- 9	Q 30
145.7180	-2.05	6-13	R23	146.0571	-2.10	5-11	Q21	146.3749	-1.36	1- 4	R 9	146.6584	-2.43	10-21	P 5	147.0781	-1.02	1- 4	P25
145.7220	-1.77	8-17	R20	146.0599	-1.62	8-17	Q24	146.3756	-3.19	4- 9	P 12	146.6622	-2.04	10-21	R 8	-147.0802	-1.03	2- 6	R48
145.7227	-1.06	2- 6	Q23	146.0618	-2.32	5-11	R24	146.3759	-2.93	4- 9	R 18	146.6639	-1.26	1- 4	P 15	147.0866	-1.86	10-21	P16
145.7258	-1.54	8-17	Q18	146.0641	-0.94	2- 6	Q30	146.3792	-2.20	1- 5	O 56	146.6769	-1.01	1- 4	R 23	147.1004	-1.71	10-21	R19
-145.7261	-6.60	1- 5	P46	146.0741	-1.47	3- 8	P39	146.3794	-1.24	2- 6	P32	146.6771	-1.88	10-21	O 7	147.1043	-0.63	1- 4	Q29
145.7264	-1.45	2- 6	P20	146.0748	-1.31	2- 6	P27	146.3798	-1.45	1- 4	O 4	-146.6811	-1.08	2- 6	R43	-147.1118	-0.86	1- 4	R33
145.7341	-1.60	7-15	Q22	-146.0769	-0.23	1- 5	Q53	146.3803	-2.40	1- 4	P 2	146.6815	-2.34	10-21	P 6	-147.1170	-0.77	2- 6	Q45
145.7349	-1.97	7-15	P20	146.0780	-2.48	5-11	P19	146.3854	-1.33	1- 4	R10	146.6854	-2.95	4- 9	P20	147.1253	-2.80	4- 9	P28
-145.7350	-1.27	2- 6	R27	146.0789	-1.71	6-13	Q27	146.3876	-2.74	4- 9	Q15	146.6858	-0.81	1- 4	Q19	147.1271	-1.67	10-21	Q18
145.7353	-2.33	5-11	Q12	-146.0879	-1.17	2- 6	R34	146.3884	-1.36	1- 4	O 5	146.6862	-1.99	10-21	R 9	147.1291	-1.01	1- 4	P26
145.7363	-2.50	5-11	R15	146.0956	-0.07	6-13	P25	146.3922	-2.10	1- 4	P 3	146.6877	-2.78	4- 9	R26	-147.1329	-1.12	2- 6	P42
145.7442	-2.78	5-11	P10	-146.1021	-0.56	1- 5	P50	-146.3966	-1.12	2- 6	R39	146.6978	-1.23	1- 4	P 16	-147.1396	-2.43	4- 9	Q31
-145.7463	-0.51	1- 5	R53	146.1039	-2.08	5-11	Q22	146.3972	-1.29	1- 4	R11	146.6981	-2.56	4- 9	Q23	147.1446	-1.83	10-21	P17
145.7471	-1.82	6-13	Q21	146.1064	-1.85	7-15	P26	146.3978	-1.70	8-17	P27	-146.7001	-0.18	1- 5	Q 59	-147.1523	-0.85	1- 4	R34
145.7554	-0.66	0- 3	P31	146.1091	-2.30	5-11	R25	146.3987	-1.29	1- 4	Q 6	146.7019	-1.80	10-21	O 8	147.1558	-0.62	1- 4	Q30
-145.7571	-1.52	3- 8	P35	146.1118	-1.77	8-17	P23	146.3992	-2.35	5-11	P25	146.7078	-2.26	10-21	P 7	-147.1652	-1.02	2- 6	R49
145.7578	-2.48	5-11	R16	-146.1222	-0.93	2- 6	Q31	-146.4047	-0.54	1- 5	P 53	146.7114	-0.99	1- 4	R24	147.1818	-0.99	1- 4	P27
145.7584	-2.19	6-13	P19	146.1247	-1.41	8-17	P17	146.4055	-1.93	1- 4	P 4	146.7133	-1.96	10-21	R 10	147.1824	-0.48	1- 5	P60
145.7633	-2.30	5-11	Q13	146.1264	-2.45	5-11	P20	146.4073	-3.15	4- 9	P13	-146.7184	-0.82	2- 6	O 40	147.1875	-1.44	10-21	Q19
145.7639	-1.91	8-17	P17	-146.1295	-0.48	1- 5	R57	146.4078	-2.91	4- 9	R19	146.7198	-0.79	1- 4	O 20	147.1898	-2.78	4- 9	P29
145.7662	-1.04	2- 6	Q24	146.1321	-1.30	2- 6	P28	146.4105	-1.23	1- 4	Q 7	146.7256	-0.51	1- 5	P56	-147.2039	-0.76	2- 6	Q46
-145.7666	-1.17	3- 8	Q38	146.1380	-3.53	4- 9	R 3	146.4115	-1.26	1- 4	R12	146.7299	-1.76	10-21	O 9	-147.2044	-2.42	4- 9	Q32
145.7672	-2.03	6-13	R24	146.1382	-3.63	4- 9	R 2	146.4193	-2.71	4- 9	Q16	146.7317	-1.17	2- 6	P37	147.2060	-1.80	10-21	P18
145.7708	-1.43	2- 6	P21	146.1401	-3.75	4- 9	R 1	146.4206	-1.80	1- 4	P 5	146.7331	-1.20	1- 4	P17	-147.2069	-0.84	1- 4	R35
145.7713	-1.75	8-17	R21	146.1401	-3.45	8-17	P17	146.4242	-1.17	1- 4	Q 8	146.7332	-2.93	4- 9	P21	-147.2093	-0.61	1- 4	Q31
145.7730	-2.73	5-11	P11	146.1439	-3.93	4- 9	R 0	146.4269	-1.23	1- 4	R13	146.7361	-2.77	4- 9	R27	-147.2196	-1.11	2- 6	P43
145.7753	-1.52	8-17	Q19	146.1439	-3.38	4- 9	R 5	-146.4343	-0.87	2- 6	Q36	146.7372	-2.19	10-21	P 8	147.2364	-0.97	1- 4	P28
-145.7801	-1.25	2- 6	Q26	146.1458	-1.16	2- 6	R35	146.4374	-1.71	1- 4	P 6	146.7434	-1.92	10-21	R11	147.2514	-1.42	10-21	Q20
145.7894	-2.45	5-11	R17	146.1499	-3.33	4- 9	R 6	146.4379	-0.46	1- 5	R60	146.7460	-2.54	4- 9	Q24	147.2533	-2.41	8-16	R1
145.7896	-1.58	7-15	Q23	146.1519	-3.75	4- 9	R 1	146.4393	-1.13	1- 4	Q 9	146.7477	-0.97	1- 4	R25	147.2534	-2.28	8-16	R2
145.7907	-0.95	7-15	P21	146.1528	-2.06	5-11	Q23	146.4410	-3.12	4- 9	P14	146.7555	-0.77	1- 4	Q21	-147.2534	-1.01	2- 6	R50
-145.7922	-0.25	1- 5	P50	146.1559	-3.53	4- 9	R 2	146.4417	-2.89	4- 9	R20	-146.7557	-1.07	2- 6	R44	147.2550	-2.28	7-14	R 2
145.7927	-2.27	5-11	Q14	146.1579	-3.28	4- 9	R 7	146.4445	-1.20	1- 4	R14	146.7614	-1.71	10-21	Q10	147.2554	-2.77	4- 9	P30
145.7959	-1.80	6-13	Q22	146.1590	-2.29	5-11	R26	146.4460	-1.22	2- 6	P33	146.7696	-2.13	10-21	P 9	147.2554	-2.18	8-16	R 3
145.8021	-2.69	5-11	P12	146.1604	-2.05	6-13	P26	146.4530	-2.69	4- 9	Q17	146.7702	-1.17	1- 4	P18	147.2558	-2.40	7-14	R 1
145.8088	-2.17	6-13	P20	146.1619	-3.38	4- 9	R 3	146.4558	-1.63	1- 4	P 7	146.7767	-1.89	10-21	R12	147.2561	-2.58	8-16	R 0
-145.8116	-1.02	2- 6	Q25	146.1677	-2.23	4- 9	R 8	146.4565	-1.08	1- 4	Q10	146.7831	-2.91	4- 9	P22	147.2562	-2.18	7-14	R 3
145.8151	-1.88	8-17	P18	146.1677	-3.23	4- 9	R 8	146.4605	-2.33	5-11	P26	146.7856	-2.75	4- 9	R28	147.2586	-2.58	7-14	R 0
145.8166	-2.02	6-13	R25	146.1697	-3.28	4- 9	R 0	146.4634	-1.17	1- 4	R15	146.7857	-0.96	1- 4	R26	147.2600	-2.10	7-14	R 4
-145.8168	-0.59	1- 5	P47	-146.1765	-0.22	1- 5	P54	-146.4652	-1.11	2- 6	R40	146.7930	-0.75	1- 4	Q22	147.2601	-2.11	8-16	R 4
145.8169	-1.41	2- 6	P22	146.1768	-2.43	5-11	P21	146.4752	-1.04	1- 4	Q11	146.7944	-0.81	2- 6	Q41	-147.2628	-0.83	1- 4	R36
145.8222	-2.43	5-11	R18	146.1790	-1.75	8-17	P24	146.4758	-1.56	1- 4	P 8	146.7960	-2.52	4- 9	Q25	-147.2636	-0.59	1- 4	Q32
145.8231	-1.73	8-17	R22	146.1795	-3.19	4- 9	R 9	146.4768	-3.08	4- 9	P15	146.7961	-1.67	10-21	Q11	147.2639	-2.41	8-16	R 1
145.8248	-2.24	5-11	Q15	146.1796	-3.93	4- 9	P 3	146.4776	-2.87	4- 9	R21	146.8051	-2.08	10-21	P10	147.2661	-2.04	7-14	R 5
145.8264	-1.50	8-17	Q20	146.1797	-3.19	4- 9	P 5	146.4841	-1.15	1- 4	R16	146.8080	-1.16	2- 6	P38	147.2686	-2.04	8-16	R 3
145.8265	-1.24	2- 6	R29	146.1813	-0.92	2- 6	Q32	-146.4846	-0.19	1- 5	Q57	146.8090	-1.15	1- 4	P19	147.2675	-2.04	8-16	R 6
145.8321	-1.51	3- 8	P36	146.1810	-1.28	5-11	Q24	146.5145	-3.05	4- 9	P16	-146.8353	-1.06	1- 4	R60	147.2684	-2.18	8-16	Q 2
145.8366	-2.65	5-11	P13	146.1914	-3.12	4- 9	O 6	146.4951	-1.01	1- 4	Q12	146.8311	-1.86	10-21	R13	147.2707	-1.78	10-21	P19
-145.8385	-0.51	1- 5	R54	146.1928	-3.19	8-17	P26	146.4978	-1.50	1- 4	P 9	146.8252	-0.94	1- 4	R27	147.2714	-2.18	7-14	R 2
145.8474	-1.56	7-15	Q24	146.1938	-3.15	4- 9	R 10	146.5023	-0.85	2- 6	Q37	146.8327	-0.73	1- 4	Q23	-147.2721	-2.40	4- 9	Q33
145.8482	-1.78	7-15	P23	146.1936	-3.75	4- 9	P 4	146.5064	-1.13	1- 4	R17	146.8337	-1.64	10-21	Q12	147.2744	-1.98	7-14	R 6
145.8490	-1.93	7-15	P22	-146.2012	-0.56	1- 5	P51	-146.5090	-0.53	1- 5	P 54	146.8350	-2.89	4- 9	P23	147.2766	-2.04	8-16	Q 5
145.8569	-2.41	5-11	Q19	146.2037	-2.04	5-11	Q24	146.5145	-3.05	4- 9	P19	146.8529	-1.83	10-21	R14	147.2874	-1.93	8-16	K 7
145.8589	-1.00	2- 6	Q26	146.2053	-3.05	4- 9	Q 7	146.5147	-1.21	2- 6	P34	146.8633	-0.51	1- 5	P57	-147.2920	-0.75	2- 6	Q47
145.8609	-2.21																		

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
147.3988	-1.56	8-16	O10	147.6264	-1.73	7-14	P15	147.8305	-1.47	7-14	R24	148.0444	-0.66	0-2	R23	148.1658	-2.32	10-20	R 3
147.3995	-1.70	7-14	R13	147.6273	-0.98	2-6	R54	147.8318	-1.78	6-12	P14	148.0446	-1.91	5-10	R 8	148.1688	-0.41	0-2	Q22
147.4102	-1.73	10-21	P21	147.6281	-2.22	9-18	P 6	147.8353	-0.78	0-2	O 9	148.0450	-1.96	5-10	Q 4	148.1688	-2.66	2-5	R16
147.4105	-0.93	1-4	P31	147.6312	-0.52	1-4	O38	147.8371	-1.63	8-12	P19	148.0452	-2.91	2-5	R 8	148.1693	-1.28	9-18	Q21
147.4155	-1.71	8-16	R13	147.6326	-1.56	8-16	R19	147.8379	-1.36	0-2	P 6	148.0455	-2.74	11-23	R 1	148.1701	-2.54	10-20	Q 1
147.4177	-1.52	7-14	Q11	147.6355	-1.84	9-18	R10	147.8399	-0.73	1-4	R45	148.0456	-2.92	11-23	R 0	148.1709	-2.01	5-10	P 9
147.4181	-1.98	7-14	P 9	147.6361	-0.76	1-4	R42	147.8407	-1.25	8-16	O21	148.0459	-3.21	2-5	O 2	148.1728	-1.52	9-18	R23
147.4211	-1.98	8-16	P 9	147.6393	-1.69	9-18	Q 8	147.8411	-0.49	1-4	Q41	148.0473	-1.64	6-12	P19	148.1731	-1.68	5-10	R15
-147.4252	-0.47	1-5	P62	147.6402	-1.74	8-16	P15	147.8464	-0.83	0-2	R15	148.0503	-2.61	11-23	R 2	148.1733	-2.24	10-20	R 4
147.4260	-1.52	8-16	O11	147.6403	-1.54	7-14	R20	147.8513	-0.74	0-2	O10	148.0511	-3.07	2-5	O 3	148.1759	-2.32	10-20	Q 2
147.4268	-1.68	7-14	R14	147.6407	-1.72	6-12	R13	147.8525	-1.84	9-18	P13	148.0532	-2.74	11-23	Q 1	148.1774	-0.68	2-6	Q56
-147.4344	-1-00	2-6	R52	147.6419	-1.57	6-12	Q10	147.8558	-1.28	0-2	P 7	148.0544	-2.87	2-5	K 9	148.1776	-2.51	2-5	Q12
-147.4406	-0.55	1-4	Q35	147.6443	-1.34	8-16	Q17	147.8571	-1.35	6-12	Q17	148.0548	-2.61	5-10	P 3	148.1783	-3.01	2-5	P 9
-147.4431	-0.79	1-4	R39	147.6462	-2.05	6-12	P 8	147.8573	-1.23	7-14	Q22	148.0553	-1.87	5-10	Q 5	148.1785	-0.60	0-2	R27
147.4452	-1.68	8-16	R14	147.6524	-2.14	9-18	P 7	147.8626	-1.55	6-12	R20	148.0567	-1.33	9-18	O19	148.1820	-1.20	6-12	Q24
147.4460	-1.48	7-14	Q12	147.6601	-1.80	9-18	R11	147.8626	-0.70	7-14	P03	148.0573	-1.87	5-10	R 9	148.1829	-2.18	11-23	R 9
147.4470	-1.93	7-14	P10	147.6632	-1.64	9-18	Q 9	147.8647	-1.60	7-14	P20	148.0573	-0.91	0-2	P15	148.1829	-2.44	11-23	P 7
147.4514	-1.93	8-16	P10	147.6634	-1.31	7-14	Q18	147.8653	-0.80	0-2	R16	148.0582	-2.96	2-5	Q 4	148.1834	-2.17	10-20	R 5
147.4562	-1.49	8-16	Q12	147.6650	-0.72	2-6	Q51	147.8666	-1.43	9-18	Q15	148.0583	-1.40	7-14	R28	148.1848	-2.17	10-20	Q 3
147.4564	-1.65	7-14	R15	147.6657	-1.69	6-12	R14	147.8667	-1.64	9-18	R17	148.0591	-3.91	2-5	P 2	148.1853	-1.51	5-10	Q12
-147.4684	-2.72	4-9	P33	147.6660	-1.53	6-12	Q12	147.8689	-0.70	0-2	Q11	148.0596	-1.56	9-18	R21	148.1854	-3.02	10-20	P 2
-147.4722	-0.91	1-4	P32	147.6693	-1.70	7-14	P16	147.8705	-1.75	6-12	P15	148.0601	-2.52	11-23	R 3	148.1870	-1.99	11-23	Q 8
147.4763	-1.45	7-14	O13	147.6717	-1.99	6-12	P 9	147.8756	-1.21	0-2	P 8	148.0606	-2.52	11-23	Q 2	-148.1871	-0.79	1-4	P42
-147.4764	-0.73	2-6	Q49	147.6777	-1.54	8-16	R20	147.8795	-0.84	1-4	P38	148.0650	-0.44	11-23	R 4	148.1923	-2.63	2-5	R17
147.4776	-1.65	8-16	R15	147.6786	-0.87	1-4	P35	147.8802	-1.04	2-6	P50	148.0655	-2.83	2-5	R10	-148.1946	-1.01	2-6	P53
147.4782	-1.88	7-14	P11	147.6791	-2.07	9-18	P 8	147.8843	-1.45	7-14	R25	148.0660	-0.46	1-4	Q44	148.1946	-1.43	6-12	R27
147.4840	-1.88	8-16	P11	147.6806	-1.06	2-6	P48	147.8857	-0.78	0-2	R17	148.0670	-2.87	2-5	Q 5	148.1965	-2.07	10-20	Q 4
147.4883	-1.63	7-14	R16	147.6849	-1.52	7-14	R21	147.8879	-0.66	0-2	Q12	148.0674	-4.47	0-2	Q19	148.1966	-2.12	10-20	R 6
-147.4907	-0.08	2-6	P46	147.6879	-1.77	9-18	R12	147.8958	-1.80	9-18	P14	148.0683	-3.22	11-23	P 5	148.1975	-1.96	5-10	P10
-147.5035	-0.54	1-4	Q36	147.6898	-1.32	8-16	Q18	147.8964	-1.32	6-12	O18	148.0691	-2.43	5-10	P 4	148.1989	-2.72	10-20	P 3
-147.5035	-0.78	1-4	R40	147.6904	-1.60	9-18	Q10	147.8966	-1.23	8-16	Q22	148.0707	-3.61	2-5	P 3	148.2005	-2.48	2-5	Q13
147.5090	-1.42	7-14	O14	147.6923	-1.49	6-12	Q12	147.8967	-1.16	0-2	P 9	148.0719	-1.83	5-10	R10	148.2020	-1.66	5-10	K16
147.5110	-2.29	6-12	R 2	147.6928	-1.66	6-12	R15	147.9033	-1.53	6-12	R21	148.0723	-0.68	2-6	Q55	148.2025	-2.96	2-5	P10
147.5116	-1.84	7-14	P12	147.6992	-1.94	6-12	P10	147.9078	-0.76	0-2	R18	148.0731	-2.37	11-23	Q 3	148.2041	-1.57	6-12	P22
147.5119	-2.19	6-12	R 3	147.6996	-0.51	1-4	Q39	147.9088	-0.63	0-2	O13	148.0755	-1.54	8-16	P23	148.2060	-0.39	0-2	Q23
147.5123	-2.42	6-12	R 1	147.7054	-0.75	1-4	R43	147.9102	-1.40	9-18	O16	148.0770	-0.71	1-4	R48	148.2107	-1.50	8-16	P25
147.5126	-1.63	8-16	R16	147.7079	-1.29	7-14	Q19	147.9102	-1.62	9-18	R18	148.0775	-2.80	2-5	Q 6	148.2112	-1.64	9-18	P20
147.5150	-2.11	6-12	R 4	147.7085	-2.01	9-18	P 9	147.9104	-1.21	7-14	Q23	148.0779	-1.24	6-12	Q22	148.2116	-1.98	10-20	Q 5
147.5160	-2.59	12-12	R 0	147.7147	-1.68	7-14	P17	147.9114	-1.72	6-12	P16	148.0783	-2.80	2-5	R11	148.2121	-1.48	5-10	Q13
147.5190	-1.84	8-16	P12	147.7181	-1.74	9-18	R13	147.9146	-0.74	1-4	Q42	148.0813	-0.64	0-2	R24	148.2127	-2.07	10-20	K 7
147.5201	-2.05	6-12	R 5	147.7201	-1.56	9-18	Q11	147.9194	-1.10	0-2	P10	148.0820	-1.73	5-10	R 7	148.2155	-2.54	10-20	P 4
147.5225	-1.60	7-14	R17	147.7208	-1.46	6-12	Q13	147.9203	-1.58	7-14	P21	148.0834	-2.92	11-23	P 3	148.2171	-2.14	11-23	R10
147.5239	-1.42	8-16	O14	147.7223	-1.64	6-12	R16	147.9222	-0.72	1-4	R46	148.0842	-0.44	2-5	P 4	148.2173	-0.58	0-2	R28
147.5239	-2.62	6-12	Q12	147.7240	-0.97	2-6	R55	147.9312	-0.60	0-2	Q14	148.0843	-2.37	11-23	P 5	148.2173	-2.37	11-23	P 8
147.5275	-1.99	6-12	R 6	147.7258	-1.52	8-16	R21	147.9315	-0.74	0-2	R19	148.0853	-2.31	5-10	P 5	148.2177	-2.61	2-5	R18
147.5282	-2.19	6-12	Q 2	147.7291	-1.89	6-12	P11	147.9386	-1.30	6-12	Q19	148.0868	-1.02	2-6	P52	148.2178	-1.12	7-14	Q28
-147.5308	-0.99	2-6	R53	147.7301	-1.50	7-14	R22	147.9404	-1.43	7-14	R26	148.0879	-1.46	6-12	R25	148.2207	-1.94	11-23	Q 9
147.5337	-2.05	6-12	Q 3	147.7335	-1.68	8-16	P17	147.9415	-1.77	9-18	P15	148.0884	-1.16	7-14	Q26	148.2251	-2.45	2-5	Q14
147.5359	-2.44	9-18	R 1	147.7353	-1.68	8-16	P17	147.9438	-1.06	0-2	P11	148.0887	-1.80	5-10	R11	148.2263	-1.91	5-10	P11
-147.5359	-0.90	1-4	P33	147.7372	-1.29	8-16	Q19	147.9463	-1.51	6-12	R22	148.0897	-2.74	2-5	Q 7	148.2270	-0.44	1-4	Q46
147.5362	-2.22	9-18	R 3	147.7402	-1.96	9-18	P10	147.9509	-1.58	8-16	P21	148.0898	-0.88	0-2	P16	148.2283	-2.91	2-5	P11
147.5366	-2.32	9-18	R 2	147.7456	-1.28	0-2	R 4	147.9538	-0.83	1-4	P39	148.0904	-2.26	11-23	Q 4	148.2294	-1.91	10-20	Q 6
147.5371	-1.94	6-12	R 7	147.7456	-1.36	0-2	C 2	147.9545	-1.69	6-12	P17	148.0929	-2.77	2-5	R12	148.2297	-1.26	9-18	Q22
147.5381	-2.62	9-18	R 0	147.7466	-1.21	0-2	R 5	147.9548	-1.21	8-12	Q23	148.0955	-1.69	9-18	P18	148.2311	-1.48	7-14	P26
147.5397	-2.89	6-12	P 2	147.7480	-1.46	0-2	R 2	147.9553	-0.57	0-2	Q15	148.0975	-1.61	6-12	P20	148.2318	-1.63	5-10	R17
147.5435	-1.94	6-12	Q 4	147.7479	-1.16	0-2	R 6	147.9566	-1.37	9-18	Q17	14							

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
148.3188	-0.74	0-	2	P22	148.5692	-0.44	2-	5	R28	148.8782	-0.61	8-	0	Q10	149.3823	-1.93	1-	3	R 9	149.5554	-1.95	7-13	Q 3	
148.3198	-1.53	6-12	P24	148.5697	-0.40	1-	4	Q50	148.8818	-0.73	4-	8	R14	149.3832	-2.02	8-15	R 5	149.5563	-1.55	4-	8	P25		
-148.3244	-0.68	1-	4	R51	148.5698	-0.22	2-	5	Q24	148.8849	-0.50	2-	5	P27	149.3847	-2.17	8-15	Q 2	149.5577	-1.18	4-	8	P28	
148.3251	-1.80	5-10	P14	148.5702	-1.70	11-23	Q16	148.8890	-0.55	0-	2	P33	149.3849	-2.38	2-	5	P35	149.5596	-1.84	7-13	R 7			
148.3280	-0.33	0-	2	Q26	148.5724	-1.94	11-23	R17	148.8906	-0.74	10-20	P20	149.3858	-2.13	1-	3	Q 3	149.5598	-1.80	9-17	Q 7			
148.3308	-1.70	10-20	O10	148.5735	-1.50	10-20	O16	148.8914	-0.09	4-	8	P 8	149.3891	-1.96	8-15	R 6	149.5600	-2.79	7-13	P 2				
148.3342	-1.57	5-10	R20	148.5741	-1.18	9-18	Q27	148.8956	-0.71	1-	4	P50	149.3900	-1.41	5-10	P33	149.5610	-1.97	1-	3	P11			
148.3365	-0.53	2-	5	R22	148.5766	-1.66	6-12	P28	148.8996	-1.57	4-	8	O11	149.3917	-1.90	1-	3	R10	149.5646	-1.84	7-13	Q 4		
148.3384	-1.87	10-20	R12	148.5782	-1.63	5-10	P20	148.9051	-0.70	4-	8	R15	149.3925	-2.02	8-15	Q 3	149.5668	-1.91	8-15	P10				
148.3394	-1.60	9-18	P22	148.5847	-2.61	2-	5	P21	148.9066	-0.51	5-10	P26	149.3926	-2.02	1-	3	Q 4	149.5674	-1.47	8-15	Q12			
148.3407	-0.54	0-	2	R31	148.5897	-1.46	5-10	R26	148.9151	-0.03	4-	8	P 9	149.3945	-2.97	1-	3	P 2	149.5723	-1.79	7-13	R 8		
148.3414	-2.34	2-	5	P15	148.5898	-1.72	10-20	R18	148.9171	-2.11	2-	5	Q31	149.3954	-2.87	8-15	P 2	149.5725	-2.49	7-13	P 3			
148.3421	-1.37	5-10	Q17	148.5930	-1.24	5-10	Q23	148.9221	-2.34	2-	5	R35	149.4009	-1.93	1-	3	O 5	149.5728	-1.90	9-17	R10			
148.3425	-2.22	11-23	P11	148.5958	-0.87	10-20	P15	148.9230	-0.54	4-	8	O12	149.4012	-1.91	8-15	R 7	149.5731	-2.28	9-17	P 6				
148.3433	-2.12	10-20	P 9	148.6021	-1.40	7-14	P31	148.9262	-1.38	5-10	R32	149.4020	-1.91	8-15	Q 4	149.5748	-1.48	1-	3	G15				
148.3437	-2.04	11-23	R13	148.6042	-0.63	0-	2	P28	148.9267	-1.14	5-10	Q29	149.4021	-0.67	1-	4	P55	149.5758	-1.99	2-	5	P41		
148.3466	-1.82	11-23	Q12	148.6076	-0.74	1-	4	P47	148.9305	-1.68	4-	8	R16	149.4023	-1.61	4-	8	P22	149.5761	-1.75	7-13	Q 5		
148.3494	-2.77	2-	5	P15	148.6102	-0.25	0-	2	Q32	148.9409	-1.98	4-	8	P10	149.4031	-1.86	1-	3	R11	149.5809	-1.63	1-	3	R20
148.3516	-0.15	6-12	Q27	148.6141	-2.20	2-	5	Q25	148.9414	-0.48	2-	5	P28	149.4043	-1.23	4-	8	O25	149.5811	-1.75	9-17	Q 8		
-148.3533	-0.77	1-	4	P44	148.6157	-2.57	2-	5	R29	148.9448	-0.37	1-	4	Q54	149.4065	-2.67	1-	3	P 3	149.5822	-1.64	8-15	R15	
148.3576	-1.10	7-14	O30	148.6245	-1.48	10-20	Q17	148.9483	-0.50	4-	8	O13	149.4086	-2.57	8-15	P 3	149.5871	-1.75	7-13	R 9				
148.3583	-1.23	9-18	Q24	148.6293	-1.52	9-18	P26	148.9500	-1.72	10-20	P21	149.4107	-1.86	1-	3	Q 6	149.5874	-1.93	1-	3	P12			
148.3625	-1.76	5-10	P15	148.6297	-1.61	5-10	P21	148.9608	-1.66	4-	8	R17	149.4143	-1.83	8-15	Q 5	149.5876	-2.31	7-13	P 4				
148.3628	-0.72	0-	2	P23	148.6301	-2.59	2-	5	P22	148.9685	-1.93	4-	8	P11	149.4155	-1.87	8-15	R 8	149.5897	-1.68	7-13	Q 6		
148.3630	-1.34	5-10	Q18	148.6307	-2.04	11-23	P16	148.9693	-1.50	5-10	P27	149.4162	-1.83	1-	3	R12	149.5929	-2.24	2-	5	R45			
148.3636	-1.66	10-20	Q11	148.6366	-1.67	11-23	Q17	148.9756	-1.47	4-	8	O14	149.4198	-2.50	1-	3	P 4	149.5966	-1.87	9-17	R11			
148.3651	-1.47	9-18	R26	148.6414	-0.98	2-	6	P57	148.9795	-2.10	2-	5	Q32	149.4223	-1.80	1-	3	Q 7	149.5970	-2.20	9-17	P 7		
148.3665	-1.55	5-10	R21	148.6427	-1.70	10-20	R19	148.9810	-2.33	2-	5	R36	149.4243	-2.39	8-15	P 4	149.5972	-1.60	4-	8	R32			
148.3708	-2.51	2-	5	R23	148.6439	-1.22	5-10	Q24	148.9835	-1.63	4-	8	R18	149.4289	-2.01	2-	5	Q39	149.5995	-1.87	8-15	P11		
148.3727	-1.84	10-20	R13	148.6474	-1.45	5-10	R27	148.9892	-1.37	5-10	R33	149.4295	-1.75	8-15	Q 6	149.5997	-1.44	8-15	G13					
148.3728	-1.45	7-14	P28	148.6486	-1.45	6-12	P29	148.9901	-1.13	5-10	P30	149.4310	-1.80	1-	3	R13	149.6015	-1.66	1-	3	Q16			
148.3731	-0.32	0-	2	Q27	148.6486	-1.84	10-20	P16	148.9926	-0.71	1-	4	P51	149.4322	-1.83	8-15	R 9	149.6042	-1.71	7-13	R10			
148.3750	-2.32	2-	5	Q19	148.6588	-0.61	0-	2	P29	148.9982	-1.89	4-	8	P12	149.4347	-1.44	4-	8	R29	149.6046	-1.70	9-17	Q 9	
148.3776	-2.07	10-20	P10	148.6604	-2.19	2-	5	Q26	149.0001	-2.47	2-	5	P29	149.4352	-2.37	1-	3	P 5	149.6049	-2.19	7-13	P 5		
148.3803	-1.51	6-12	P25	148.6623	-0.39	1-	4	Q51	149.0053	-1.44	4-	8	O15	149.4356	-1.74	1-	3	Q 8	149.6058	-1.62	7-13	Q 7		
148.3841	-2.74	2-	5	P16	148.6623	-2.41	2-	5	R30	149.0155	-1.61	4-	8	R19	149.4418	-2.27	8-15	P 5	149.6063	-2.34	2-	5	P38	
148.3920	-2.18	11-23	P12	148.6674	-2.57	2-	5	P23	149.0298	-1.86	4-	8	P13	149.4442	-2.26	2-	5	R43	149.6090	-1.61	1-	3	R21	
148.3946	-2.01	11-23	R14	148.6790	-1.45	10-20	Q18	149.0309	-1.42	4-	8	O16	149.4467	-1.69	8-15	Q 7	149.6156	-1.61	8-15	R16				
-148.3950	-0.42	1-	4	Q48	148.6812	-1.59	5-10	P22	149.0345	-1.48	5-10	P28	149.4472	-1.77	1-	3	R14	149.6158	-1.90	1-	3	P13		
148.3964	-1.79	11-23	Q13	148.6924	-1.43	5-10	R26	149.0347	-2.09	2-	5	Q33	149.4505	-1.70	1-	3	Q 9	149.6187	-1.54	4-	8	P26		
148.3995	-1.62	10-20	Q12	148.6962	-1.20	5-10	Q25	149.0418	-2.32	2-	5	R37	149.4519	-2.28	1-	3	P 6	149.6189	-1.16	4-	8	O29		
148.4031	-1.73	5-10	P16	148.6999	-2.01	11-23	P17	149.0486	-1.59	4-	8	R20	149.4522	-1.79	8-15	R10	149.6229	-1.83	9-17	R12				
148.4068	-2.50	2-	5	R24	148.7045	-1.82	10-20	P17	149.0560	-1.11	5-10	Q31	149.4540	-1.59	4-	8	P23	149.6230	-2.13	9-17	P 8			
148.4076	-1.58	9-18	P23	148.7069	-0.73	1-	4	P48	149.0597	-2.45	2-	5	P30	149.4564	-1.21	8-15	Q 8	149.6340	-1.40	8-15	P14			
148.4079	-1.53	5-10	R22	148.7084	-2.17	2-	5	Q27	149.0632	-1.39	4-	8	Q17	149.4594	-2.37	2-	5	P36	149.6241	-1.56	7-13	Q 8		
-148.4081	-0.67	1-	4	R52	148.7086	-1.50	9-18	P27	149.0634	-1.82	4-	8	P14	149.4627	-2.17	8-15	P 6	149.6244	-2.09	7-13	P 6			
148.4087	-0.70	0-	2	P24	148.7097	-1.65	11-23	Q18	149.0837	-1.57	4-	8	R21	149.4654	-1.74	1-	3	R15	149.6297	-1.43	1-	3	P14	
148.4100	-1.82	10-20	R14	148.7145	-0.60	0-	2	P30	149.0924	-0.70	1-	4	P52	149.4673	-1.65	1-	3	Q10	149.6300	-1.66	9-17	R10		
148.4104	-2.30	2-	5	Q20	148.7146	-2.39	2-	5	R31	149.0965	-2.07	2-	5	P34	149.4678	-1.64	8-15	Q 8	149.6340	-1.40	8-15	P14		
148.4123	-1.32	5-10	Q19	148.7222	-1.43	6-12	P30	149.0989	-1.79	4-	8	P15	149.4695	-1.39	5-10	P34	149.6354	-1.83	8-15	P12				
-148.4144	-1.00	2-	6	P55	148.7265	-2.55	4-	8	P24	149.1039	-1.37	4-	8	Q18	149.4702	-2.20	1-	3	P 7	149.6389	-1.59	1-	3	R22
148.4153	-0.76	6-12	P26	148.7276	-2.58	4-	8	R 4	149.1046	-1.54	4-	8	R23	149.4852	-1.43	1-	3	Q11	149.6448	-1.31	7-13	K12		
148.4429	-2.48	2-	5	R25	148.7607	-2.46	4-	8	R 1	149.1682	-2.30	2-	5	R39	149.4863	-2.20	9-17	R 1						

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ					
149,7620	-2.07	3-	6	R 6	149,9520	-2.03	6-1	R 3	150,1591	-1.30	6-11	Q13	-150,5644	-2.23	2-	5	P49	-150,8896	-1.37	3-	6	R38		
149,7621	-2.37	3-	6	R 2	149,9534	-2.25	6-11	R 1	-150,1598	-1.56	3-	R 24	150,5676	-1.38	7-13	P27	-150,8916	-1.50	3-	6	P31			
149,7622	-1.52	9-	17	Q14	149,9546	-1.95	6-11	R 4	150,1618	-1.77	3-	P17	-150,5745	-1.20	3-	6	Q29	150,8924	-2.27	11-21	Q 9			
149,7627	-2.20	3-	6	R 4	149,9561	-1.51	3-	6	Q14	150,1715	-1.73	6-11	P11	-150,5853	-1.43	3-	6	R33	150,8949	-1.35	5-	9	R19	
-149,7646	-2.32	2-	5	P40	149,9573	-2.43	6-11	R 0	150,1757	-1.12	7-13	Q23	150,5869	-1.43	6-11	P21	150,9009	-2.71	11-21	P 8				
149,7651	-2.50	3-	6	R 1	149,9593	-1.89	6-11	R 5	150,1761	-1.16	8-15	Q25	-150,5893	-1.58	3-	6	P26	150,9023	-1.60	5-	9	P13		
149,7652	-2.13	3-	6	R 5	149,9602	-1.25	1-	3	Q26	-150,1798	-2.18	2-	5	R52	150,6099	-1.04	6-11	Q24	150,9051	-2.44	11-21	R11		
149,7657	-2.67	3-	6	R 0	149,9605	-1.67	3-	6	R18	150,1819	-1.52	8-15	P23	150,6230	-1.98	5-	9	R 3	150,9114	-1.16	5-	9	Q16	
149,7740	-2.02	3-	6	R 7	149,9654	-2.25	6-11	O 1	150,1820	-1.45	6-11	R17	150,6234	-2.07	5-	9	R 2	150,9250	-2.23	11-21	Q10			
149,7758	-1.53	1-	3	R26	149,9662	-1.83	6-11	R 6	-150,1887	-2.27	2-	5	P45	-150,6242	-1.88	2-	5	P53	150,9293	-1.33	5-	9	R20	
149,7760	-1.52	8-	15	R20	149,9697	-2.03	6-11	O 2	150,1892	-1.27	6-11	Q14	150,6249	-1.90	5-	9	R 4	-150,9324	-1.86	2-	5	G56		
149,7781	-2.50	3-	6	Q 1	149,9703	-1.98	3-	6	P11	150,1908	-1.56	1-	3	P27	150,6256	-2.20	5-	9	R 1	150,9344	-2.65	11-21	P 9	
149,7819	-2.28	3-	6	Q 2	149,9752	-1.78	6-11	R 7	150,1934	-1.49	7-13	P21	-150,6274	-1.19	3-	6	Q30	150,9370	-1.56	5-	9	P14		
149,7819	-1.33	7-	13	Q14	149,9762	-1.89	6-11	O 3	150,1937	-1.34	7-13	R26	150,6286	-1.83	5-	9	R 5	-150,9378	-1.12	3-	6	Q35		
-149,7821	-1.37	4-	8	R35	149,9763	-1.45	8-15	R24	150,1961	-1.34	3-	6	Q21	150,6298	-2.37	5-	9	R 0	150,9393	-2.41	11-21	R12		
149,7831	-1.74	1-	3	P18	149,9774	-1.20	7-13	Q19	-150,1993	-1.54	3-	6	R25	150,6321	-1.56	9-17	P27	150,9432	-1.32	6-11	P27			
149,7831	-1.98	3-	6	R 8	-149,9779	-1.94	2-	5	Q46	150,2014	-1.69	6-11	P21	150,6345	-1.77	5-	9	R 6	150,9459	-1.13	5-	9	Q17	
149,7873	-2.13	3-	6	Q 3	149,9788	-1.78	9-17	P17	150,2025	-1.74	3-	6	P18	150,6381	-2.20	5-	9	Q 1	-150,9559	-1.36	3-	6	R39	
149,7885	-1.51	7-	13	R17	149,9805	-1.62	9-17	R21	150,2070	-1.68	9-17	P21	150,6394	-1.36	7-13	P28	-150,9577	-1.48	3-	6	P32			
149,7896	-1.75	7-	13	P12	149,9818	-2.73	6-11	P 2	150,2109	-1.55	9-17	R25	150,6406	-1.41	6-11	P22	150,9607	-2.19	11-21	Q11				
149,7940	-1.93	3-	6	R 9	149,9847	-1.78	6-11	O 4	150,2153	-1.43	6-11	R18	150,6422	-1.98	5-	9	R 2	150,9644	-1.34	0-	1	R 6		
149,7941	-1.90	9-	17	P13	149,9863	-1.73	6-11	R 8	150,2160	-1.31	9-17	Q23	150,6423	-1.72	5-	9	R 7	150,9648	-1.42	0-	1	R 3		
149,7947	-2.02	3-	6	Q 4	149,9879	-1.39	9-17	Q19	150,2221	-1.24	6-11	Q15	150,6424	-1.42	3-	6	R34	150,9658	-1.31	5-	9	R21		
149,7947	-1.70	9-	17	R17	149,9892	-1.65	3-	6	R19	-150,2284	-1.40	4-	8	P35	150,6457	-1.56	3-	6	P27	150,9658	-1.27	0-	1	R 5
149,7949	-2.98	3-	6	P 2	149,9898	-1.48	3-	6	Q15	-150,2298	-1.05	4-	8	Q38	150,6484	-1.83	5-	9	Q 3	150,9665	-1.51	0-	1	R 2
149,7955	-1.30	8-	15	Q18	149,9899	-1.41	7-13	R22	150,2316	-1.10	7-13	Q24	150,6522	-1.67	5-	9	R 8	150,9685	-1.21	0-	1	R 6		
149,7963	-1.32	1-	3	Q22	149,9905	-1.59	7-13	P17	150,2366	-1.32	3-	6	Q22	150,6548	-1.67	5-	9	P 2	150,9697	-1.64	0-	1	R 1	
-149,7974	-1.49	4-	8	P22	149,9925	-1.63	3-	3	P23	150,2370	-1.65	6-11	P13	150,6563	-2.14	2-	5	R57	-150,9727	-2.20	2-	5	P53	
149,7980	-1.69	8-	15	P16	149,9943	-2.43	6-11	P 3	-150,2405	-1.92	3-	6	R26	150,6625	-2.14	2-	5	P50	150,9732	-1.16	0-	1	R 7	
149,8017	-1.41	9-	17	Q15	149,9954	-1.69	6-11	O 5	-150,2409	-1.53	3-	6	P26	150,6633	-2.22	2-	5	P50	150,9732	-1.16	0-	1	R 7	
149,8044	-1.12	8-	8	Q32	149,9979	-1.21	8-15	R22	150,2446	-1.12	3-	6	P19	150,6640	-1.63	5-	9	R 9	150,9738	-1.53	5-	9	P15	
149,8046	-1.93	3-	6	Q 5	149,9996	-1.69	6-11	R 9	150,2451	-1.54	1-	3	P28	150,6645	-1.02	6-11	Q25	150,9750	-1.81	0-	1	R 0		
149,8069	-1.90	3-	6	R 10	149,9999	-1.41	7-13	R22	150,2316	-1.10	8-15	P24	150,6652	-1.63	5-	9	P 2	150,9685	-1.21	0-	1	R 6		
149,8070	-2.67	3-	6	P 3	-150,0001	-2.20	2-	5	M50	150,2501	-1.47	7-13	P22	150,6672	-2.37	5-	9	P 3	150,9768	-2.38	11-21	R13		
149,8086	-1.83	3-	6	R12	-150,0002	-1.59	8-15	P20	150,2506	-1.41	6-11	R19	150,6780	-1.60	5-	9	R10	150,9789	-1.12	0-	1	R 8		
-149,8121	-1.96	2-	5	Q44	-150,0002	-1.44	4-	8	P32	150,2592	-1.21	6-11	O16	150,6786	-1.56	5-	9	Q 6	150,9625	-1.11	5-	9	Q18	
149,8141	-1.51	1-	3	R27	-150,0059	-1.23	1-	3	Q27	150,2709	-1.06	9-17	P22	150,6817	-2.20	5-	9	P 4	150,9837	-1.64	0-	1	Q 1	
149,8155	-1.86	3-	6	Q 6	-150,0064	-1.08	4-	8	Q35	-150,2727	-2.17	2-	5	R53	150,6867	-1.18	3-	6	Q31	150,9865	-1.07	0-	1	R 9
149,8165	-1.30	7-	13	Q15	150,0084	-1.62	6-11	R 6	150,2738	-1.62	6-11	P14	150,6928	-1.50	5-	9	R 7	150,9872	-1.42	0-	1	Q 2		
149,8207	-1.80	3-	6	Q 7	150,0089	-2.25	6-11	P 4	-150,2789	-2.26	2-	5	P46	150,6939	-1.56	5-	9	R11	150,9928	-1.27	0-	1	Q 3	
149,8209	-2.50	3-	6	P 4	-150,0124	-2.29	2-	5	P43	150,2793	-1.30	3-	6	Q23	150,6967	-1.39	6-11	P23	150,9952	-1.04	0-	1	R10	
149,8215	-1.72	1-	3	P19	150,0131	-1.65	6-11	R10	150,2806	-1.29	9-17	P24	150,6980	-2.07	5-	9	P 5	150,9996	-2.16	11-21	Q12			
149,8222	-1.51	8-	15	R22	150,0145	-1.46	3-	6	Q16	-150,2843	-1.51	3-	6	R27	150,7012	-1.41	3-	6	R35	150,9998	-1.16	0-	1	Q 4
149,8226	-1.86	3-	6	R11	150,0196	-1.63	3-	6	R20	150,2878	-1.39	6-11	R20	-150,7040	-1.54	3-	6	P28	151,0013	-2.12	0-	1	P 2	
149,8241	-1.69	7-	13	R18	150,0235	-1.55	6-11	Q 7	150,2884	-1.70	3-	6	P20	150,7090	-1.44	5-	9	R 8	151,0044	-1.29	5-	9	R22	
149,8250	-1.71	2-	5	P13	150,0236	-1.18	7-13	Q20	150,2889	-1.19	6-11	Q17	150,7119	-1.53	5-	9	R12	-151,0051	-1.11	3-	6	Q36		
-149,8330	-2.21	2-	5	M48	150,0256	-2.13	6-11	P 5	150,2900	-1.04	7-13	P24	150,7165	-1.98	5-	9	P 6	151,0056	-1.00	0-	1	R11		
149,8347	-1.30	1-	3	Q23	150,0316	-1.75	9-17	P18	150,3006	-1.53	1-	3	P29	150,7210	-1.01	6-11	Q26	151,0083	-1.07	0-	1	Q 5		
149,8363	-1.87	9-	17	P14	150,0323	-1.62	6-11	R11	-150,3053	-1.39	4-	8	P36	150,7256	-1.87	2-	5	M54	151,0107	-1.30	6-11	P28		
149,8368	-2.37	3-	6	P 5	150,0325	-1.90	4-	8	P31	-150,3082	-1.45	7-13	P23	150,7272	-1.40	5-	9	Q 9	151,0117	-2.55	11-21	P11		
149,8376	-1.68	3-	6	R13	150,0337	-1.86	3-	6	P14	150,3145	-1.49	8-15	P25	150,7369	-1.90	5-	9	P 7	151,0135	-1.81	0-	1	P 3	
149,8421	-1.74	4-	8	P30	150,0657	-1.95	6-11	P 7	150,3701	-1.43	7-13	P24	150,7418	-3.08	11-21	R1	151,0176	-0.97	0-	1	R12			
149,8422	-1.64	4-	8	Q37	150,0721	-1.16	7-13	Q21	150,3710	-1.14	6-11	Q19												

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ		
151.0998	-.84	0_	1	R17	151.3824	-.65	0	1	R27	151.6337	-.28	8	-14	R 0	151.1545	-.24	8	-14	R 4	-152.0004	-.13	3	-6	P45		
151.1000	-.17	0_	1	P 8	151.3859	-.23	11	-21	P18	151.6344	-.23	8	-14	R 4	-151.8177	-.13	3	-6	P43	152.0011	-.19	9	-16	R20		
151.1021	-.24	7	11	-21	P13	151.3873	-.46	0	1	Q22	151.6344	-.75	0	1	P24	151.8185	-.31	17	10	-18	Q 1	152.0044	-.27	7	-12	P 3
151.1028	-.49	2	-4	P 5	151.3875	-.89	0	1	P18	151.6358	-.13	4	-7	Q 8	151.8241	-.29	10	-18	Q 2	-152.0056	-.15	2	-4	R37		
151.1034	-.19	2	-4	R13	151.3883	-.91	2	4	P16	-151.6360	-.15	2	-4	R30	151.8243	-.28	10	-18	R 5	152.0060	-.15	8	-14	Q17		
151.1046	-.104	5	-9	Q21	-151.3891	-.17	5	9	R30	151.6369	-.28	9	-16	R 9	151.8261	-.10	4	7	Q16	152.0065	-.19	7	-12	Q 5		
151.1050	-.186	2	-4	Q 8	151.3896	-.167	2	4	R24	151.6398	-.124	5	-9	P28	151.8261	-.173	8	-14	Q12	152.0077	-.98	4	-7	Q21		
151.1094	-.230	11	-21	R16	-151.3964	-.41	3	6	P38	151.6405	-.28	8	-14	R 5	151.8263	-.154	4	-7	P13	-152.0111	-.124	3	-6	R52		
151.1108	-.72	0_	1	Q12	151.3973	-.131	5	9	P24	151.6419	-.65	8	-14	Q 1	-151.8271	-.126	3	6	R50	152.0121	-.138	4	-7	P18		
151.1202	-.239	2	-4	P 6	-151.4019	-.130	3	6	R45	-151.6419	-.137	3	-6	P41	151.8287	-.127	4	-7	R20	152.0128	-.196	7	-12	R 9		
151.1203	-.181	2	-4	Q 9	151.4051	-.93	5	9	Q27	151.6432	-.272	9	-16	P 5	151.8290	-.218	8	-14	P10	152.0140	-.198	8	-14	P15		
151.1210	-.188	2	-4	R14	151.4058	-.148	2	4	O20	151.6470	-.243	8	-14	Q 2	151.8301	-.68	0	1	P28	152.0153	-.214	9	-16	P16		
151.1210	-.81	0_	1	R18	151.4133	-.64	0	1	R28	151.6471	-.192	4	-7	P 6	151.8303	-.69	2	-4	P26	-152.0159	-.213	2	-5	P62		
151.1223	-.121	0_	1	P 9	151.4139	-.216	2	5	P57	151.6477	-.144	4	-7	R13	151.8321	-.206	9	-16	R16	152.0168	-.175	9	-16	Q18		
151.1315	-.68	0_	1	Q13	151.4243	-.44	0	1	Q23	151.6478	-.88	5	-9	Q31	151.8327	-.280	10	-18	Q 3	-152.0177	-.126	2	-4	Q33		
151.1324	-.124	5	-9	R25	151.4245	-.88	2	4	P17	151.6488	-.223	8	-14	R 6	151.8337	-.190	8	-14	R15	152.0192	-.118	4	-7	R25		
151.1360	-.206	11	-21	O15	151.4246	-.86	0	1	P19	151.6489	-.214	9	-16	Q 7	151.8346	-.364	10	-18	P 2	152.0195	-.253	7	-12	P 4		
151.1378	-.177	2	-4	Q10	151.4262	-.166	2	4	R25	-151.6493	-.215	2	-5	P59	-151.8353	-.53	2	-4	R34	152.0198	-.189	7	-12	Q 6		
151.1392	-.231	2	-4	P 7	151.4307	-.194	11	-21	Q20	151.6506	-.136	2	-4	Q26	151.8359	-.274	10	-18	R 6	152.0199	-.269	10	-18	P10		
151.1399	-.186	2	-4	R15	151.4421	-.145	2	4	Q21	151.6509	-.128	3	-6	R48	151.8402	-.269	10	-18	Q 4	152.0215	-.179	8	-14	R20		
151.1413	-.142	5	-9	P19	151.4466	-.116	5	9	R31	151.6528	-.134	4	-7	Q 9	151.8430	-.28	9	-16	P12	152.0275	-.244	10	-18	R14		
151.1437	-.79	0_	1	R19	151.4518	-.105	3	6	D42	151.6542	-.228	8	-14	Q 3	151.8440	-.120	5	9	P31	152.0292	-.192	7	-12	R10		
151.1455	-.116	0_	1	P10	151.4527	-.230	11	-21	P19	151.6568	-.24	9	-16	R10	151.8466	-.186	9	-16	Q14	152.0310	-.224	10	-18	Q12		
151.1460	-.109	3	-6	Q30	151.4547	-.129	5	9	P25	151.6583	-.313	8	-14	P 2	151.8482	-.334	10	-18	P 3	152.0335	-.183	7	-12	Q 7		
151.1495	-.102	5	-9	Q22	151.4576	-.62	0	1	R29	151.6597	-.218	8	-14	R 7	151.8495	-.130	2	-4	Q30	152.0368	-.240	7	-12	P 5		
151.1503	-.184	2	-5	P58	151.4603	-.43	0	1	Q24	151.6635	-.218	8	-14	R 4	151.8502	-.269	10	-18	K 7	152.0477	-.189	7	-12	R11		
151.1521	-.244	11	-21	P14	151.4626	-.186	2	4	P18	151.6641	-.262	9	-16	P 6	151.8557	-.260	10	-18	O 5	152.0491	-.158	8	-14	Q18		
151.1536	-.65	0_	1	Q14	151.4628	-.92	5	9	Q28	151.6670	-.184	4	-7	P 7	151.8572	-.170	8	-14	Q13	152.0500	-.98	4	-7	Q22		
151.1568	-.173	2	-4	Q11	151.4634	-.84	0	1	P20	151.6678	-.141	4	-7	R14	151.8585	-.107	4	-7	Q17	152.0504	-.196	9	-16	R21		
151.1599	-.224	2	-4	P 8	151.4644	-.164	2	4	R26	151.6680	-.34	0	1	Q29	151.8597	-.150	4	-7	P14	152.0535	-.177	7	-12	Q 8		
151.1604	-.227	11	-21	R17	151.4676	-.140	3	6	P39	151.6694	-.209	9	-16	Q 8	151.8612	-.213	8	-14	P11	152.0550	-.136	4	-7	P19		
151.1606	-.183	2	-4	R16	151.4803	-.144	2	4	Q22	151.6716	-.283	8	-14	P 3	151.8624	-.125	4	-7	R21	152.0559	-.264	10	-18	P11		
151.1680	-.77	0_	1	R20	151.4818	-.129	3	6	R46	151.6719	-.129	4	-7	Q10	151.8649	-.317	10	-18	R 4	152.0477	-.189	7	-12	R11		
151.1682	-.144	3	-6	P35	151.4843	-.182	2	5	M61	151.6731	-.213	8	-14	R 8	151.8663	-.187	8	-14	R16	152.0491	-.158	8	-14	Q18		
151.1702	-.133	3	-6	R42	151.5008	-.41	0	1	Q25	151.6754	-.209	8	-14	Q 5	151.8667	-.264	10	-18	R 8	152.0582	-.195	8	-14	P16		
151.1706	-.112	0_	1	P11	151.5023	-.183	2	4	P19	151.6791	-.175	2	-4	P23	151.8705	-.204	9	-16	R17	152.0598	-.117	4	-7	R26		
151.1771	-.169	2	-4	Q12	151.5037	-.81	0	1	P21	151.6796	-.221	9	-16	R11	151.8727	-.253	10	-18	Q 6	152.0641	-.241	10	-18	R15		
151.1773	-.62	0_	1	Q15	151.5045	-.163	2	4	R27	151.6814	-.74	0	1	P25	-151.8800	-.100	3	-6	Q47	152.0648	-.211	9	-16	P17		
151.1794	-.123	5	-9	R26	151.5068	-.114	5	9	R32	151.6837	-.157	2	-4	R31	151.8805	-.304	10	-18	P 5	152.0658	-.173	9	-16	Q19		
151.1825	-.219	2	-4	P 9	151.5143	-.128	5	9	P26	151.6870	-.265	8	-14	P 4	151.8827	-.224	9	-16	P13	-152.0660	-.149	2	-4	R38		
151.1831	-.181	2	-4	R17	151.5120	-.142	2	4	Q23	151.6877	-.254	9	-16	P 7	151.8837	-.67	0	1	P29	152.0671	-.177	8	-14	R21		
151.1881	-.203	11	-21	Q16	151.5216	-.90	5	9	Q29	151.6887	-.177	4	-7	P 5	151.8843	-.167	2	-4	P27	152.0676	-.221	10	-18	Q13		
151.1882	-.140	5	-9	P20	151.5231	-.227	11	-21	P20	151.6889	-.209	8	-14	R 9	151.8851	-.183	9	-16	Q15	-152.0682	-.98	3	-6	Q49		
151.1897	-.218	2	-5	P55	151.5303	-.216	2	5	P58	151.6897	-.202	8	-14	Q 6	151.8866	-.260	10	-18	R 9	152.0686	-.186	7	-12	R12		
151.1938	-.75	0_	1	R21	151.5335	-.104	3	-6	Q43	151.6898	-.138	4	-7	R15	-151.8906	-.152	2	-4	R35	152.0690	-.116	5	-9	P34		
151.1964	-.100	5	-9	Q23	151.5401	-.39	0	1	Q26	151.6926	-.204	9	-16	Q 9	-151.8907	-.213	2	-4	P61	152.0736	-.173	7	-12	Q 9		
151.1969	-.107	0_	1	P12	151.5439	-.181	2	4	P20	151.6927	-.125	4	-7	Q11	151.8907	-.167	8	-14	Q14	-152.0777	-.125	2	-4	Q34		
151.2001	-.166	2	-4	Q13	151.5457	-.79	0	1	P22	151.6977	-.135	2	-4	Q27	151.8923	-.247	10	-18	Q 7	152.0780	-.223	7	-12	P 7		
151.2026	-.60	0_	1	Q16	151.5466	-.161	2	4	R28	151.7014	-.102	3	-6	Q45	151.8928	-.105	4	-7	Q18	152.0918	-.183	7	-12	R13		
151.2055	-.241	11	-21	P15	151.5523	-.192	4	-7	R 3	151.7045	-.253	8	-14	P 5	151.8948	-.147	4	-7	P15	152.0942	-.94	4	-7	Q23		
151.2065	-.213	2	-4	P10	151.5532	-.201	4	-7	R 2	151.7050	-.217	9	-16													

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	
152,2280	-4,33	12-23	R 1	152,4452	-2,39	10-18	P19	152,6060	-2,80	1-2	0 3	152,7671	-3,66	12-23	P15	152,9368	-1,67	8-14	P30	152,2281	-4,51	12-23	R 1	152,4459	-3,49
152,2281	-2,04	9-16	P 20	152,4464	-3,91	12-23	P 9	152,6114	-1,80	6-10	0 6	152,7673	-1,28	7-12	Q26	152,9373	-2,24	10-18	P26	152,2287	-4,51	12-23	R 1	152,4459	-3,49
152,2295	-1,67	9-16	O 22	152,4467	-3,43	11-20	D 4	152,6120	-2,69	1-2	0 4	152,7701	-1,55	3- 5	R 8	152,9374	-2,03	1- 2	0 20	152,2295	-1,67	9-16	O 22	152,4467	-3,43
152,2329	-4,21	12-23	R 2	152,4482	-1,61	7-12	R23	152,6139	-2,43	6-10	P 4	152,7718	-3,29	12-23	Q16	152,9400	-1,12	2- 4	Q46	152,2361	-4,33	12-23	O 1	152,4492	-3,49
152,2384	-89	4- 7	D 26	152,4493	-1,65	12-23	R28	152,6157	-3,64	1- 2	P 2	152,7727	-3,53	12-23	R17	152,9441	-2,82	11-20	Q18	152,2391	-3,32	10-18	R 19	152,4496	-4,09
152,2411	-2,10	10-18	O 17	152,4507	-1,54	2- 4	P36	152,6161	-2,53	1- 2	R 11	152,7736	-1,85	3- 5	Q 2	152,9539	-1,53	6-10	R22	152,2411	-2,10	10-18	O 17	152,4507	-1,54
152,2415	-1,70	7-12	R18	152,4578	-83	4- 7	O30	152,6179	-1,37	8-14	Q28	152,7750	-1,63	6-10	R17	152,9561	-0,88	3- 5	Q14	152,2420	-1,51	7-12	R18	152,4578	-83
152,2430	-4,11	12-23	R23	152,4601	-2,24	10-18	R23	152,6206	-2,60	1- 2	O 5	152,7778	-1,70	3- 5	P 3	152,9584	-1,74	6-10	P16	152,2438	-4,11	12-23	Q 2	152,4621	-95
152,2465	-1,58	2- 4	P23	152,4623	-3,34	11-20	O 5	152,6261	-1,74	6-10	D 7	152,7794	-1,76	4- 7	Q 5	152,9626	-1,55	3- 5	P11	152,2466	-1,27	4- 7	P23	152,4623	-3,34
152,2479	-4,03	12-23	R 4	152,4665	-1,43	2- 4	R44	152,6266	-3,21	11-20	R13	152,7810	-2,28	10-18	P24	152,9679	-2,44	1- 2	P17	152,2481	-1,48	8-14	O22	152,4665	-1,77
152,2520	-4,81	12-23	P 2	152,4668	-3,91	11-20	P 4	152,6302	-1,80	6-10	R11	152,7833	-0,92	3- 6	O56	152,9757	-1,23	7-12	O29	152,2539	-1,11	4- 7	R70	152,4722	-1,20
152,2558	-1,92	7-12	P13	152,4745	-1,18	2- 4	O40	152,6307	-2,31	6-10	P 5	152,7857	-2,89	11-20	Q15	152,9829	-1,06	3- 5	Q15	152,2567	-3,96	12-23	O 3	152,4807	-3,27
152,2577	-1,45	2- 4	R41	152,4816	-1,06	4- 7	R34	152,6349	-3,43	11-20	P10	152,7861	-1,59	3- 5	Q 4	152,9844	-3,58	12-23	P18	152,2577	-1,45	2- 4	R41	152,4816	-1,06
152,2591	-1,21	2- 4	Q37	152,4820	-3,39	11-20	R 8	152,6383	-2,32	10-18	P22	152,7876	-2,55	3- 5	P 2	152,9905	-1,59	3- 5	P19	152,2594	-1,85	8-14	P14	152,4851	-1,41
152,2606	-96	3- 6	O51	152,4853	-1,96	9-16	P24	152,6418	-2,47	1- 2	Q 7	152,7909	-2,15	1- 2	O15	152,9965	-1,47	2- 4	P43	152,2676	-4,51	12-23	P 5	152,4869	-3,78
152,2678	-3,96	12-23	R 5	152,4882	-3,66	12-23	R12	152,6430	-1,68	6-10	O 8	152,7950	-1,51	3- 5	Q 5	152,9990	-1,20	3- 5	R20	152,2709	-1,70	8-14	R24	152,4892	-3,88
152,2747	-3,86	12-23	O 4	152,4925	-3,45	12-23	Q11	152,6442	-3,58	12-23	R15	152,7959	-3,11	11-20	R17	153,0032	-2,80	11-20	Q19	152,2778	-1,68	7-12	R19	152,4927	-1,37
152,2779	-2,47	10-18	P20	152,4935	-1,29	3- 6	P50	152,6475	-3,35	12-23	O14	152,7998	-2,25	3- 5	P 3	153,0077	-1,99	1- 2	G22	152,2779	-1,49	7-12	O16	152,4935	-1,59
152,2876	-3,77	12-23	Q 5	152,5005	-1,77	8-14	P24	152,6493	-1,77	6-10	R12	152,8057	-1,43	3- 5	P 6	153,0082	-3,30	6-10	R20	152,2876	-3,91	12-23	R 6	152,5022	-3,21
152,2885	-4,33	12-23	P 4	152,5047	-3,34	11-20	R 9	152,6545	-1,95	10-18	Q24	152,8074	-1,61	6-10	R18	153,0121	-1,08	4- 7	P35	152,2888	-2,02	9-16	P16	152,5061	-2,36
152,2893	-1,30	3- 6	P48	152,5106	-3,69	11-20	P 6	152,6560	-2,99	11-20	O12	152,8089	-3,27	11-20	P14	153,0190	-2,23	10-18	P27	152,2893	-1,65	9-16	Q23	152,5137	-1,64
152,2901	-2,30	10-18	R20	152,5152	-1,75	7-12	P19	152,6564	-3,04	1- 2	P 5	152,8126	-2,28	1- 2	R21	153,0236	-1,36	1- 2	R51	152,2904	-87	4- 7	Q27	152,5182	-82
152,2914	-2,07	10-18	O18	152,5221	-1,99	10-18	D22	152,6575	-2,20	10-18	R26	152,8170	-1,00	4- 7	R39	153,0116	-1,03	3- 5	Q16	152,2934	-1,89	7-12	P14	152,5234	-2,23
152,2994	-1,25	4- 7	P24	152,5235	-1,53	2- 4	P37	152,6619	-1,63	6-10	O 9	152,8175	-1,40	3- 5	R12	153,0333	-3,16	11-20	P18	152,3025	-1,46	8-14	P14	152,5267	-3,16
152,3059	-1,22	3- 6	R55	152,5301	-1,18	4- 7	P28	152,6691	-2,37	1- 2	9	152,8208	-2,60	1- 2	P12	153,0214	-1,47	3- 5	P13	152,3086	-1,10	4- 7	R55	152,5305	-3,31
152,3112	-3,86	12-23	R 7	152,5317	-1,42	2- 4	R45	152,6708	-1,74	6-10	R13	152,8298	-1,94	3- 5	P 5	153,0421	-1,00	3- 5	Q17	152,3135	-1,57	2- 4	P4	152,5360	-3,63
152,3144	-4,21	12-23	P 5	152,5367	-3,81	12-23	P11	152,6737	-1,51	2- 4	P39	152,8334	-1,49	2- 4	P41	153,0455	-1,97	1- 2	Q23	152,3164	-1,46	7-12	P17	152,5384	-1,05
152,3155	-3,70	12-23	O 6	152,5370	-3,61	11-20	P 7	152,6737	-3,39	11-20	P11	152,8338	-1,37	3- 5	Q 7	153,0399	-1,24	3- 6	P55	152,3164	-1,46	7-12	P17	152,5384	-1,05
152,3182	-1,88	8-14	P21	152,5401	-3,41	12-23	O12	152,6768	-2,41	1- 2	R15	152,8355	-2,87	11-20	O16	153,0534	-1,43	3- 5	P14	152,3204	-1,88	8-14	P21	152,5401	-3,41
152,3282	-1,68	8-14	R26	152,5473	-1,57	7-12	R25	152,6831	-1,59	6-10	O10	152,8417	-2,26	1- 2	R22	153,0566	-0,72	4- 7	Q39	152,3308	-2,44	10-18	P18	152,5508	-1,39
152,3333	-1,86	7-12	P15	152,5544	-3,11	11-20	Q 9	152,6884	-1,36	8-14	Q29	152,8434	-1,59	6-10	R19	153,0683	-3,55	12-23	P19	152,3334	-1,20	2- 4	Q38	152,5545	-2,21
152,3353	-4,11	12-23	P 6	152,5547	-2,31	6-10	R 2	152,6936	-2,39	1- 2	R16	152,8445	-2,10	1- 2	O17	153,0745	-0,98	3- 5	Q18	152,3381	-3,81	12-23	R 8	152,5564	-1,94
152,3432	-3,63	12-23	R 7	152,5565	-2,13	6-10	R 4	152,6938	-2,07	6-10	P 8	152,8488	-1,75	3- 5	P 5	153,0827	-2,37	1- 2	P20	152,3432	-2,28	10-18	R21	152,5567	-2,43
152,3441	-2,05	10-18	O18	152,5574	-2,27	11-20	R11	152,6961	-2,95	11-20	O13	152,8519	-1,34	3- 5	R 14	153,0848	-1,95	1- 2	Q24	152,3441	-2,05	10-18	O18	152,5574	-2,27
152,3453	-86	4- 7	Q28	152,5606	-2,07	6-10	R 5	152,6992	-1,15	2- 4	O43	152,8537	-1,38	2- 4	R49	153,0889	-1,66	6-10	P19	152,3515	-3,70	8-14	P22	152,5606	-2,07
152,3515	-2,00	9-16	P22	152,5610	-2,61	6-10	R 0	152,7032	-2,28	1- 2	Q11	152,8551	-1,39	6-10	O16	153,0933	-1,48	6-10	R21	152,3522	-1,63	9-16	Q24	152,5665	-3,54
152,3522	-1,63	9-16	O24	152,5665	-3,54	11-20	P 8	152,7033	-3,70	12-23	P14	152,8575	-2,26	10-18	P25	153,0906	-1,07	4- 7	P36	152,3557	-1,23	12-23	R 9	152,5736	-1,73
152,3541	-1,23	4- 7	P25	152,5668	-1,73	7-12	P20	152,7048	-1,27	3- 6	P52	152,8575	-1,13	2- 4	Q45	153,0972	-1,15	3- 5	R23	152,3567	-1,44	7-12	R21	152,5673	-1,73
152,3591	-1,64	7-12	R21	152,5673	-1,75	8-14	P25	152,7063	-1,55	6-10	O11	152,8577	-1,68	8-14	P29	153,1009	-1,26	6-10	Q22	152,3610	-1,64	8-14	P24	152,5691	-0,94
152,3621	-95	3- 6	O52	152,5695	-2,43	6-10	R 1	152,7067	-1,30	7-12	Q25	152,8655	-1,11	4- 7	P33	153,1076	-0,96	4- 7	R43	152,3623	-1,08	4- 7	R27	152,5797	-2,74
152,3667	-3,77	12-23	R 9	152,5736	-2,21	6-10	Q 2	152,7081	-3,32	12-23	O15	152,8669	-1,77	3- 5	P 7	153,1087	-0,96	3- 5	P19	152,3711	-4,03	12-23	P 7	152,5753	-1,96
152,3748	-3,58	12-23	O 8	152,5762	-2,87	1- 2	R 3	152,7128	-2,80	4- 7	P 8	152,8719	-1,32	3- 5	R 15	153,1228	-1,37	3- 5	P 16	152,3755	-1,86	8-14	P24	152,5833	-2,69
152,3755	-1,86	8-14	P24	152,5770	-2,80	1- 2	R 5	152,7140	-2,37	1- 2	R17	152,8738	-2,08	1- 2	O18	153,1243	-2,34	1- 2	P21	152,3867	-2,41	10-18	P18	152,5833	-2,69
152,3870	-1,67	8-14	R27	152,5797	-2,74	1- 2	R 6	152,7154	-1,68	6-10	R15	152,8781	-1,80	6-10	P14	153,1261	-1,94	1- 2	Q25	152,3870	-1,67	8-14	R27	152,5833	-2,74
152,3899	-1,29	3- 6	P49	152,5800	-2,07	6-10	O 3	152,7157	-3,34	11-20	P12	152,8792	-1,57	6-10	R20	153,1335	-1,13	3- 5	R24	152,3928	-1,56	2- 4	P35	152,5808	-80
152,3957	-1,44	2- 4	R43	152,5833	-3,17	1- 2	R 1	152,7225	-2,25	1- 2	O12	152,8863	-1,18	3- 5	O11	153,1409	-1,46	6-10	R26	152,3957	-1,44	2- 4	Q28	152,5833	-3,17
152,3968	-1,41																								

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
153.2408	-1.29	3- 5 P19	153.5983	-1.88	5- 8 P10	153.9309	-5.12	10-17 Q 6	154.1800	-3.44	9-15 R19	154.4066	-1.03	2- 3 Q13					
-153.2435	-1.43	6-10 R28	-153.6002	-1.99	3- 5 R34	153.9317	-1.58	5- 8 P19	154.1812	-1.48	5- 8 P24	154.4082	-3.50	9-15 P19					
153.2442	-1.59	6-10 P22	153.6032	-1.41	5- 8 Q13	153.9333	-3.94	9-15 P 7	154.1821	-6.65	3- 5 Q39	154.4096	-6.62	3- 5 D42					
-153.2480	-1.05	4- 7 P38	153.6063	-1.48	6-10 P28	153.9385	-3.61	9-15 R12	154.1832	-3.05	8-13 R13	154.4124	-1.04	5- 8 Q31					
153.2543	-1.20	6-10 Q25	153.6075	-1.76	3- 5 Q30	153.9388	-5.19	10-17 R 9	154.1846	-8.89	3- 5 R43	154.4150	-2.68	8-13 Q17					
153.2545	-1.08	3- 5 R27	153.6113	-1.56	5- 8 R17	153.9407	-1.37	2- 4 P53	154.1847	-2.90	8-13 Q10	154.4150	-0.87	3- 5 R46					
-153.2584	-1.44	2- 4 P46	-153.6224	-1.11	6-10 Q31	153.9424	-5.63	10-17 P 5	154.1879	-4.95	10-17 R17	154.4191	-1.51	2- 3 P10					
153.2597	-2.28	1- 2 P24	153.6266	-1.84	5- 8 P11	153.9448	-1.06	3- 5 P32	154.1891	-3.38	8-13 P 8	154.4210	-2.88	8-13 R20					
153.2636	-0.87	3- 5 Q23	153.6311	-1.38	5- 8 Q14	153.9449	-1.39	5- 8 R26	154.1925	-5.15	10-17 P13	154.4223	-1.41	5- 8 P28					
153.2674	-1.89	1- 2 Q28	153.6316	-2.17	1- 2 P31	153.9494	-5.05	10-17 Q 7	154.1981	-4.74	10-17 Q15	154.4278	-1.14	2- 3 R19					
-153.2710	-0.94	4- 7 R45	153.6340	-1.54	5- 8 R18	153.9557	-3.91	9-15 P 8	154.1990	-1.32	5- 8 R31	154.4290	-3.08	8-13 P15					
-153.2720	-1.23	3- 6 P57	153.6358	-1.40	2- 4 P50	153.9559	-3.44	9-15 Q10	154.2033	-3.21	9-15 Q17	154.4298	-3.34	9-15 R24					
153.2838	-1.27	3- 5 P20	153.6362	-1.13	3- 5 P27	153.9610	-5.15	10-17 R10	154.2081	-3.61	9-15 P15	154.4303	-1.00	2- 3 Q14					
-153.2889	-1.08	2- 4 Q50	153.6349	-0.98	3- 5 R35	153.9641	-5.53	10-17 P 6	154.2102	-3.02	8-13 R14	154.4306	-1.66	0- 0 K4					
153.2939	-1.57	6-10 P23	153.6573	-1.80	5- 8 P12	153.9654	-3.58	9-15 R13	154.2105	-2.86	8-13 Q11	154.4310	-1.59	0- 0 R5					
153.2964	-1.87	1- 2 Q29	153.6614	-1.35	5- 8 Q15	153.9713	-5.00	10-17 Q 8	154.2163	-3.32	8-13 P 9	154.4317	-1.73	0- 0 R3					
153.2978	-1.07	3- 5 R28	153.6656	-0.75	3- 5 Q31	153.9716	-0.92	3- 5 R40	154.2241	-1.00	3- 5 P36	154.4328	-4.85	10-17 R22					
-153.2984	-1.42	6-10 R29	153.6665	-1.52	5- 8 R19	153.9717	-1.56	5- 8 P20	154.2250	-3.42	9-15 R20	154.4339	-1.53	0- 0 R6					
153.3071	-0.86	3- 5 Q24	153.6684	-0.65	4- 7 P06	153.9718	-1.41	6-10 P33	154.2251	-1.08	5- 8 Q28	154.4345	-1.83	0- 0 R2					
153.3090	-2.26	1- 2 P25	153.6709	-1.05	2- 4 P54	153.9726	-0.68	3- 5 Q36	154.2304	-1.46	5- 8 P25	154.4352	-1.39	0- 0 R9					
153.3101	-1.19	6-10 Q26	153.6833	-1.46	6-10 P29	153.9729	-0.96	4- 7 P46	154.2319	-4.93	10-17 R18	154.4375	-0.00	10-17 P18					
-153.3200	-0.69	4- 7 Q42	153.6873	-1.32	5- 8 Q16	153.9729	-1.17	5- 8 Q23	154.2338	-1.69	2- 3 R 4	154.4389	-1.96	0- 0 R1					
153.3287	-1.25	3- 5 P21	153.6881	-2.15	1- 2 P32	153.9827	-1.38	5- 8 R27	154.2344	-1.76	2- 3 R 3	154.4395	-1.48	0- 0 R7					
-153.3325	-1.04	4- 7 P39	153.6885	-0.99	4- 7 P43	153.9842	-3.40	9-15 Q11	154.2348	-1.62	2- 3 R 5	154.4436	-4.62	10-17 Q20					
153.3413	-1.43	2- 4 P47	153.6889	-1.10	6-10 Q32	153.9848	-3.85	9-15 P 9	154.2360	-5.12	10-17 P14	154.4451	-2.13	0- 0 R0					
153.3448	-1.06	3- 5 R29	153.6898	-1.76	5- 8 P13	153.9852	-5.12	10-17 R11	154.2365	-1.86	2- 3 R 2	154.4451	-1.27	5- 8 R35					
153.3499	-1.86	1- 2 Q30	153.6940	-1.11	3- 5 P28	153.9888	-5.45	10-17 P 7	154.2377	-1.56	2- 3 R 6	154.4452	-1.46	2- 3 P11					
153.3522	-0.84	3- 5 Q25	153.7001	-1.50	5- 8 R20	153.9949	-3.55	9-15 R14	154.2385	-2.83	8-13 Q12	154.4467	-1.35	0- 0 R10					
153.3532	-1.55	6-10 P24	153.7147	-0.97	3- 5 R36	153.9955	-4.95	10-17 Q 9	154.2393	-2.99	8-13 R15	154.4501	-1.43	0- 0 R8					
-153.3544	-0.93	4- 7 R46	153.7202	-1.29	5- 8 Q17	154.0121	-5.08	10-17 R12	154.2406	-1.99	2- 3 R 1	154.4538	-0.97	3- 5 P39					
-153.3583	-1.41	6-10 R30	153.7244	-1.72	5- 8 P14	154.0133	-1.15	5- 8 Q24	154.2418	-4.71	10-17 Q16	154.4541	-1.96	0- 0 Q1					
153.3645	-2.25	1- 2 P26	153.7245	-0.73	3- 5 Q32	154.0147	-3.36	9-15 Q12	154.2421	-1.51	2- 3 R 7	154.4544	-1.12	2- 3 K20					
153.3684	-1.17	6-10 Q27	153.7349	-1.39	2- 4 P51	154.0157	-5.38	10-17 P 8	154.2460	-3.27	8-13 P10	154.4555	-0.97	2- 3 Q15					
153.3752	-1.22	3- 5 P22	153.7356	-1.48	5- 8 R21	154.0157	-1.04	3- 5 P33	154.2460	-2.16	2- 3 R 0	154.4567	-3.10	9-15 Q22					
-153.3832	-1.08	2- 4 Q51	153.7459	-1.45	6-10 P30	154.0160	-3.80	9-15 P10	154.2484	-1.46	2- 3 R 8	154.4574	-1.73	0- 0 Q2					
-153.3920	-1.04	3- 5 R30	153.7504	-2.14	1- 2 P33	154.0216	-4.91	10-17 Q10	154.2489	-3.19	9-15 Q18	154.4574	-2.65	8-13 Q18					
153.3977	-0.68	4- 7 Q43	153.7541	-1.10	3- 5 P29	154.0216	-1.54	5- 8 P21	154.2544	-3.58	9-15 P16	154.4578	-1.32	0- 0 R11					
153.3993	-0.82	3- 5 Q26	153.7590	-0.64	4- 7 Q47	154.0269	-3.53	9-15 R15	154.2550	-1.99	2- 3 Q 1	154.4620	-1.59	0- 0 Q 3					
153.4026	-1.85	1- 2 Q31	153.7609	-1.69	5- 8 P15	154.0362	-1.36	5- 8 R28	154.2559	-0.64	3- 5 Q40	154.4636	-2.86	8-13 R21					
153.4043	-2.23	1- 2 P27	153.7613	-1.09	6-10 Q33	154.0387	-0.67	3- 5 Q37	154.2565	-1.42	2- 3 R 9	154.4647	-0.48	9-15 P20					
153.4077	-2.14	5- 8 R 3	153.7620	-1.27	5- 8 Q18	154.0404	-0.91	3- 5 R41	154.2569	-1.31	5- 8 R32	154.4683	-1.48	0- 0 Q4					
153.4083	-2.24	5- 8 R 2	153.7737	-1.46	5- 8 R22	154.0420	-5.05	10-17 R13	154.2586	-1.76	2- 3 Q 2	154.4698	-1.29	0- 0 R12					
153.4089	-2.06	5- 8 R 4	-153.7764	-0.96	3- 5 R37	154.0434	-1.36	2- 4 P54	154.2588	-0.88	3- 5 R44	154.4724	-1.42	2- 3 P12					
-153.4092	-1.02	4- 7 P40	153.7772	-0.98	4- 7 P44	154.0443	-3.62	8-13 R 2	154.2634	-1.62	2- 3 Q 3	154.4726	-2.43	0- 0 P 2					
153.4111	-2.36	5- 8 R 1	153.7805	-0.72	3- 5 Q33	154.0452	-3.52	8-13 R 3	154.2657	-1.38	2- 3 R 10	154.4730	-3.05	8-13 P16					
153.4122	-1.99	5- 8 R 5	153.7996	-1.66	5- 8 P16	154.0455	-3.75	8-13 R 1	154.2691	-2.79	8-13 Q13	154.4762	-1.39	0- 0 Q 5					
153.4132	-1.53	6-10 P25	153.8001	-1.25	5- 8 Q19	154.0458	-5.33	10-17 P 9	154.2704	-1.51	2- 3 Q 4	154.4773	-1.02	5- 8 Q32					
153.4158	-2.54	5- 8 R 0	153.8055	-1.44	5- 8 R23	154.0479	-3.33	9-15 Q13	154.2709	-2.97	8-13 R16	154.4776	-1.39	5- 8 P29					
153.4175	-1.93	5- 8 R 6	153.8102	-4.16	9-15 R 1	154.0485	-3.44	8-13 R 4	154.2722	-3.40	9-15 R21	154.4826	-0.95	2- 3 Q16					
153.4176	-1.39	6-10 Q28	153.8180	-1.43	6-10 P31	154.0579	-3.75	8-13 Q 1	154.2825	-5.08	10-17 P15	154.4908	-4.83	10-17 R23					
153.4340	-1.84	5- 8 R 8	153.8219	-4.28	9-15 Q 1	154.0610	-3.50	9-15 R16	154.2855	-2.16	2- 3 P 3	154.4952	-4.97	10-17 P19					
153.4342	-1.99	5- 8 O 3	153.8247	-3.91	9-15 R 5	154.0621	-3.32	8-13 R 6	154.2878	-1.07	5- 8 Q29	154.4963	-0.86	3- 5 R 47					
153.4417	-2.84	5- 8 P 2	153.8273	-4.06	9-15 Q 2	154.0624	-3.52	8-13 Q 2	154.2879	-4.69	10-17 Q17	154.4969	-1.26	0- 0 Q 7					
153.4423	-1.88	5- 8 Q 4	153.8304	-3.85	9-15 R 6	154.0688	-1.13	5- 8 Q25	154.2887	-1.35	2- 3 Q 6	154.4988	-1.96	0- 0 P 4					
-153.4450	-1.42	3- 5 R31	153.8368	-1.38	2- 4 P52	154.0723	-3.27	8-13 R 7	154.2946	-1.44	5- 8 P26	154.5010	-4.60	10-17 Q21					
153.4452	-1.03	3- 5 R31	153.8369	-0.07	6-10 Q34	154.0726	-1.52	5- 8 P22	154.2966	-									

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
154.5653	-1.32	2-	3	P15	154.7078	-0.87	0-	0	Q18	154.9479	-2.48	8-13	Q27	155.2804	-2.82	12-21	P9	155.6261	-2.00	12-21	R19			
154.5655	-1.93	4-	6	Q 3	154.7083	-2.65	7-11	Q11	154.9519	-1.57	4-	6	P17	155.2828	-2.58	12-21	R12	155.6314	-0.76	3-	M 5 R9			
154.5667	-3.11	7-11	R 6	154.7089	-1.49	4-	6	R17	154.9607	-1.13	0-	0	P21	155.2829	-2.30	7-11	Q25	155.6344	-1.31	4-	6 P30			
154.5675	-3.53	7-11	O 1	154.7126	-1.21	2-	3	P19	154.9682	-2.84	7-11	P16	155.2916	-1.00	0-	0	P28	155.6372	-2.62	6-	9 R20			
154.5678	-2.99	8-13	P18	154.7168	-3.40	9-15	P24	154.9696	-0.90	3-	5	P45	155.2999	-0.53	3-	5	Q52	155.6438	+2.58	7-11	P28			
154.5693	-1.73	4-	6	R 9	154.7175	-1.02	0-	0	R24	154.9753	-2.63	7-11	R22	155.3065	-2.37	12-21	Q11	155.6543	-2.85	6-	9 P14			
154.5715	-1.59	0-	0	P 8	154.7176	-1.32	0-	0	P14	154.9756	-2.84	8-13	P25	155.3123	-1.01	4-	6	Q28	155.6593	-2.16	12-21	Q18		
154.5719	-3.31	7-11	O 2	154.7183	-2.78	8-13	R26	154.9759	-4.83	10-17	P26	155.3128	-1.24	4-	6	R32	155.6597	-2.42	6-	9 Q17				
154.5725	-0.60	3-	5	Q44	154.7196	-0.79	2-	3	Q23	154.9773	-1.34	4-	6	R25	155.3185	-2.77	12-21	P10	155.6628	-0.84	3-	5 P52		
154.5730	-1.82	4-	6	O 4	154.7219	-3.11	7-11	P 9	154.9818	-1.14	4-	6	Q21	155.3186	-0.78	3-	5	R56	155.6708	-0.93	4-	6 Q34		
154.5738	-2.77	4-	6	P 2	154.7267	-1.82	4-	6	P10	154.9824	-2.42	7-11	Q19	155.3211	-0.99	2-	3	P31	155.6743	-2.60	6-	9 R21		
154.5738	-0.87	2-	3	Q19	154.7280	-2.92	8-13	P21	154.9858	-1.08	2-	3	P25	155.3212	-0.67	7-11	P23	155.6771	-1.17	4-	6 R38			
154.5746	-1.00	0-	0	Q13	154.7293	-1.34	4-	6	O13	154.9881	-0.71	0-	0	Q26	155.3214	-2.55	12-21	R13	155.6819	-2.52	12-21	P17		
154.5756	-3.06	7-11	R 7	154.7300	-1.99	2-	3	R28	154.9893	-0.69	2-	3	Q29	155.3288	-3.26	6-	9	R 3	155.6922	-2.81	6-	9 P16		
154.5761	-3.07	9-15	O24	154.7304	-2.78	7-11	R15	154.9938	-1.54	4-	6	P18	155.3294	-3.36	6-	9	R 2	155.6971	-2.39	6-	9 Q18			
154.5780	-1.05	2-	3	R24	154.7360	-1.47	4-	6	R18	154.9983	-1.29	5-	8	P36	155.3304	-3.18	6-	9	R 4	155.7000	-1.29	4-	6 P31	
154.5785	-3.17	7-11	O 3	154.7364	-2.61	7-11	O12	155.0028	-1.11	0-	0	P22	155.3319	-0.48	6-	9	R 1	155.7134	-2.58	6-	9 R22			
-154.5792	-0.85	3-	5	R48	154.7369	-1.31	4-	6	O14	155.0088	-0.55	3-	5	Q49	155.3339	-3.11	6-	9	R 5	155.7140	-0.49	3-	5 Q56	
154.5810	-1.25	5-	8	R37	154.7375	-0.84	0-	0	O19	155.0148	-2.81	7-11	P17	155.3341	-0.39	4-	6	P25	155.7237	-2.14	12-21	Q19		
154.5821	-1.62	4-	6	R12	154.7414	-0.58	3-	5	O46	155.0195	-1.32	4-	6	R26	155.3365	-3.66	6-	9	R 0	155.7321	-2.78	6-	9 P16	
154.5823	-1.69	4-	6	R10	154.7493	-1.00	0-	0	R25	155.0199	-2.61	7-11	R23	155.3393	-0.99	0-	0	P29	155.7365	-2.37	6-	9 Q19		
154.5831	-1.73	4-	6	O 5	154.7497	-1.29	0-	0	P15	155.0232	-1.12	4-	6	Q22	155.3397	-3.06	6-	9	R 6	155.7378	-0.92	4-	6 Q35	
154.5841	-1.11	0-	0	R19	154.7503	-3.06	7-11	P10	155.0258	-0.81	3-	5	R53	155.3407	-2.29	7-11	Q26	155.7408	-0.75	3-	5 R60			
154.5847	-4.01	7-11	P 2	154.7509	-0.83	3-	5	R50	155.0270	-2.40	7-11	Q20	155.3452	-3.48	6-	9	O 1	155.7644	-1.16	4-	6 R39			
154.5857	-3.44	9-15	P22	154.7520	-2.76	7-11	R16	155.0363	-0.69	0-	0	Q27	155.3466	-2.33	12-21	D12	155.7476	-2.50	12-21	P18				
154.5865	-2.47	4-	6	P 3	154.7528	-0.89	10-17	P23	155.0370	-1.51	4-	6	P19	155.3474	-3.01	6-	9	R 7	155.7546	-2.56	6-	9 R23		
154.5867	-3.01	7-11	R 8	154.7539	-1.19	2-	3	P20	155.0375	-1.07	2-	3	P26	155.3494	-3.26	6-	9	O 2	155.7677	-1.28	4-	6 P32		
154.5872	-3.06	7-11	Q 4	154.7553	-1.77	4-	6	P11	155.0411	-0.68	2-	3	Q30	155.3537	-0.87	3-	5	P49	155.7709	-0.83	3-	5 P53		
154.5877	-1.04	0-	0	Q12	154.7573	-0.97	5-	8	O36	155.0441	-2.83	8-13	P26	155.3557	-3.11	6-	9	O 3	155.7740	-2.76	6-	9 P17		
154.5943	-1.66	4-	6	O 6	154.7590	-4.52	10-17	O25	155.0463	-1.09	0-	0	P23	155.3573	-0.96	6-	9	R 8	155.7781	-2.35	6-	9 Q20		
154.5955	-1.53	0-	0	P 9	154.7604	-0.77	2-	3	O24	155.0537	-2.78	7-11	P18	155.3604	-0.73	12-21	P11	155.7916	-2.11	12-21	Q20			
154.5977	-3.71	7-11	P 3	154.7627	-2.53	8-13	O24	155.0564	-4.81	10-17	P27	155.3628	-3.96	6-	9	P 2	155.7980	-2.54	6-	9 R24				
154.5980	-1.66	4-	6	R11	154.7643	-1.33	5-	8	P33	155.0619	-0.89	3-	5	P46	155.3636	-2.52	12-21	R14	155.8064	-0.91	4-	6 Q36		
154.5982	-2.97	7-11	Q 5	154.7650	-1.45	4-	6	R19	155.0634	-1.31	4-	6	R27	155.3639	-3.01	6-	9	O 4	155.8152	-1.15	4-	6 R40		
154.5992	-1.59	4-	6	O 7	154.7657	-2.58	7-11	O13	155.0667	-1.10	4-	6	Q23	155.3676	-1.00	4-	6	O29	155.8168	-2.47	12-21	P19		
154.5992	-2.59	8-13	Q21	154.7687	-0.82	0-	0	R20	155.0671	-2.60	7-11	R24	155.3684	-1.23	4-	6	R33	155.8180	-2.73	6-	9 P18			
154.5994	-1.29	2-	3	P16	154.7709	-0.97	2-	3	R29	155.0721	-0.68	0-	0	Q28	155.3690	-0.92	6-	9	R 9	155.8218	-2.33	6-	9 Q21	
154.6001	-2.97	7-11	R 9	154.7716	-1.28	4-	6	O15	155.0735	-2.38	7-11	Q21	155.3743	-2.92	6-	9	O 5	155.8237	-0.69	3-	5 Q57			
154.6009	-2.29	4-	6	P 4	154.7809	-3.01	7-11	P11	155.0800	-3.25	12-21	R 1	155.3758	-3.66	6-	9	P 3	155.8375	-1.26	4-	6 P33			
154.6009	-0.97	0-	0	Q14	154.7844	-1.26	0-	0	P16	155.0811	-1.28	5-	8	P37	155.3812	-2.65	12-21	R 14	155.8434	-2.53	6-	9 R25		
154.6076	-0.85	2-	3	Q20	154.7848	-2.73	7-11	R11	155.0812	-3.43	12-21	R 0	155.3831	-2.88	6-	9	R 10	155.8521	-0.75	3-	5 R61			
154.6077	-1.09	0-	0	R20	154.7857	-0.99	0-	0	R26	155.0818	-3.12	12-21	R 2	155.3865	-2.85	6-	9	Q 6	155.8643	-2.70	6-	9 P19		
154.6102	-2.81	8-13	R24	154.7860	-1.73	4-	6	P12	155.0819	-1.49	4-	6	P20	155.3901	-2.30	12-21	Q13	155.8677	-2.31	6-	9 Q22			
154.6111	-1.00	5-	8	P34	154.7863	-3.38	9-15	P25	155.0894	-3.25	12-21	P 1	155.3904	-1.37	4-	6	P26	155.8877	-0.90	4-	6 Q37			
154.6115	-2.90	7-11	O 6	154.7894	-0.92	3-	5	P43	155.0906	-1.05	2-	3	P27	155.3957	-0.97	0-	0	P30	155.8878	-1.14	4-	6 R41		
154.6129	-3.53	7-11	P 4	154.7957	-1.43	4-	6	R20	155.0913	-1.07	0-	0	P24	155.3991	-2.85	6-	9	R 11	155.8895	-2.45	12-21	P20		
154.6131	-1.03	2-	3	R25	154.7964	-1.25	4-	6	O16	155.0952	-2.95	12-21	R 4	155.3999	-0.52	3-	5	Q53	155.8912	-2.51	6-	9 R26		
154.6137	-2.93	7-11	R10	154.7965	-2.55	7-11	O14	155.0965	-3.03	12-21	O 2	155.4011	-2.78	6-	9	O 7	155.9095	-1.25	4-	6 P34				
154.6145	-4.80	10-17	R25	154.7968	-1.16	2-	3	P21	155.1039	-2.76	7-11	P19	155.4013	-2.27	7-11	Q27	155.9126	-2.68	6-	9 P20				
154.6172	-2.17	4-	6	P 5	154.8226	-2.52	8-13	O25	155.1162	-2.58	7-11	R25	155.4263	-1.21	4-	6	R34	155.9157	-2.29	6-	9 Q23			
154.6183	-4.93	10-17	P21	154.8117	-2.97	7-11	P12	155.1065	-2.88	12-21	Q 3	155.4089	-2.50	12-21	R15	155.9413	-2.50	6-	9 R27					
154.6188	-2.97	8-13	P19	154.8149	-0.97	0-	0	R27	155.1069	-2.88	12-21	R 5	155.4172	-2.81	6-	9	R 12	155.9479	-1.91	3-	4 R 4			
154.6202	-1.54	4-	6	O 8	154.8187	-2.71	7-11	R18	155.1097	-1.29	4-	6	R28	155.4176	-2.73	6-	9	Q 8	155.9480	-1.99	3-	4 R 3		
154.6220	-1.36	5-	8																					

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
156.0480	-1.99	3-	4	P 6	156.2294	-0.88	1-	1	O 15	156.3851	-2.67	9-	14	P 9	156.5569	-1.16	4-	6	P 62
156.0493	-1.42	1-	1	O 4	156.2320	-2.65	10-	16	P 8	156.3857	-3.58	5-	7	R 1	156.5573	-0.66	1-	1	Q 25
156.0507	-1.26	1-	1	R 11	156.2346	-2.73	9-	14	O 3	156.3870	-1.24	3-	4	R 26	156.5600	-1.19	3-	4	R 30
156.0514	-2.37	1-	1	P 2	156.2349	-2.18	10-	16	O 10	156.3881	-2.22	10-	16	R 17	156.5636	-2.46	9-	14	P 14
156.0579	-1.33	1-	1	Q 5	156.2361	-1.15	3-	4	O 17	156.3893	-3.15	5-	7	R 6	156.5638	-2.25	9-	14	R 19
-156.0591	-1.23	4-	6	P 36	156.2375	-1.01	1-	1	R 21	156.3904	-0.92	1-	1	R 26	156.5679	-2.77	5-	7	R 17
156.0606	-1.46	3-	4	R 15	156.2386	-2.62	9-	14	R 7	156.3907	-3.75	5-	7	R 0	156.5685	-1.07	1-	1	P 21
156.0624	-1.23	1-	1	R 12	156.2391	-3.57	9-	14	P 2	156.3958	-3.10	5-	7	R 7	156.5689	-2.35	11-	18	P 12
156.0639	-1.37	3-	4	Q 10	156.2437	-1.31	3-	4	R 22	156.3978	-2.61	11-	18	P 7	156.5722	-2.14	10-	16	R 21
156.0642	-2.07	1-	1	P 3	156.2441	-2.62	9-	14	O 4	156.3997	-3.58	5-	7	Q 1	156.5736	-2.13	11-	18	R 16
156.0677	-1.91	3-	4	P 7	156.2473	-2.56	6-	9	P 26	156.4000	-2.27	11-	18	R 11	156.5740	-1.37	3-	4	P 22
156.0682	-1.26	1-	1	O 6	156.2475	-2.32	10-	16	R 13	156.4002	-1.44	3-	4	P 18	156.5742	-2.62	5-	7	Q 13
156.0703	-2.62	6-	9	P 23	156.2479	-2.19	6-	9	Q 29	-156.4032	-0.45	3-	5	Q 62	156.5748	-3.10	5-	7	P 10
156.0723	-2.24	6-	9	Q 26	156.2521	-2.57	9-	14	R 8	156.4037	-3.35	5-	7	R 2	156.5759	-1.93	11-	18	Q 14
156.0755	-1.20	1-	1	R 13	156.2531	-3.27	9-	14	P 3	156.4041	-3.05	5-	7	R 0	156.5830	-0.78	3-	5	P 60
156.0792	-1.89	1-	1	P 4	156.2540	-1.33	1-	1	P 12	156.4064	-2.42	10-	16	P 13	156.5853	-0.97	3-	4	Q 26
156.0798	-1.20	1-	1	Q 7	156.2547	-1.58	3-	4	P 14	156.4065	-0.74	1-	1	O 21	156.5855	-2.48	6-	9	P 31
156.0804	-2.90	10-	16	R 2	156.2551	-0.85	1-	1	Q 16	156.4065	-2.01	10-	16	Q 15	156.5907	-2.98	13-	23	R 1
156.0807	-3.02	10-	16	R 1	156.2563	-2.53	9-	14	O 5	156.4071	-2.11	11-	18	O 9	156.5910	-3.16	13-	23	R 0
156.0813	-1.44	3-	4	R 16	156.2617	-2.60	10-	16	P 9	156.4094	-3.21	5-	7	Q 3	156.5920	-1.91	10-	16	Q 19
156.0822	-2.80	10-	16	R 3	156.2617	-0.84	4-	6	O 42	156.4108	-2.18	9-	14	O 12	156.5942	-2.29	10-	16	P 17
156.0832	-1.33	3-	4	Q 11	156.2637	-2.14	10-	16	O 11	156.4121	-1.04	3-	4	Q 22	156.5953	-2.03	9-	14	Q 17
156.0840	-3.20	10-	16	R 0	156.2653	-0.99	1-	1	R 22	156.4131	-1.17	1-	1	P 17	156.5957	-2.85	13-	23	R 2
156.0868	-2.72	10-	16	R 4	156.2677	-1.12	3-	4	O 18	156.4146	-3.01	5-	7	R 9	156.5960	-2.75	5-	7	R 18
156.0890	-1.85	3-	4	P 8	156.2681	-2.53	9-	14	R 9	156.4154	-2.34	9-	14	R 15	156.5971	-0.65	1-	1	Q 26
156.0903	-1.17	1-	1	R 14	156.2691	-3.10	9-	14	P 4	156.4159	-2.62	9-	14	P 10	156.5993	-2.98	13-	23	Q 1
156.0926	-3.02	10-	16	R 1	156.2709	-2.46	9-	14	O 6	156.4172	-3.10	5-	7	O 4	156.6012	-2.59	5-	7	Q 14
156.0935	-1.14	1-	1	Q 8	156.2713	-2.69	11-	18	R 3	156.4176	-0.05	5-	7	P 2	156.6032	-3.05	5-	7	P 11
156.0942	-2.65	10-	16	R 5	156.2717	-2.91	11-	18	R 1	156.4263	-0.91	1-	1	P 26	156.6061	-2.76	13-	23	R 3
156.0957	-1.77	1-	1	P 5	156.2722	-2.79	11-	18	R 2	156.4264	-2.54	11-	18	P 8	156.6067	-2.43	9-	14	P 15
156.0977	-2.80	10-	16	O 2	156.2745	-3.09	11-	18	R 0	156.4269	-2.97	5-	7	R 10	156.6067	-0.80	4-	6	Q 46
156.1017	-0.86	4-	6	O 40	156.2764	-1.29	3-	4	R 23	156.4271	-3.01	5-	7	O 5	156.6069	-2.23	9-	14	R 20
156.1038	-1.29	3-	4	Q 12	156.2784	-1.09	4-	6	R 46	156.4272	-1.23	3-	4	K 27	156.6073	-2.76	13-	23	Q 2
156.1038	-1.41	3-	4	R 17	156.2786	-2.29	10-	16	R 14	156.4291	-2.24	11-	18	R 12	156.6081	-1.17	3-	4	R 31
156.1042	-2.60	10-	16	R 6	156.2788	-2.61	11-	18	R 4	156.4298	-2.20	10-	16	R 18	156.6110	-2.68	13-	23	R 4
156.1044	-2.45	6-	9	R 30	156.2822	-0.83	1-	1	Q 17	156.4306	-3.75	5-	7	P 3	156.6114	-1.05	1-	1	P 22
156.1060	-2.65	10-	16	O 3	-156.2826	-0.46	3-	5	Q 61	156.4308	-0.82	4-	6	Q 44	156.6116	-2.31	11-	18	P 13
156.1061	-0.81	3-	5	P 56	156.2828	-1.29	1-	1	P 13	156.4358	-2.07	11-	18	O 10	156.6159	-3.46	13-	23	P 2
156.1067	-1.14	1-	1	R 15	156.2829	-2.91	11-	18	Q 1	156.4386	-2.94	5-	7	Q 6	156.6169	-2.11	11-	18	R 17
156.1082	-1.09	1-	1	Q 9	156.2863	-2.50	9-	14	R 10	156.4410	-1.44	3-	4	P 19	156.6207	-2.61	13-	23	Q 3
156.1096	-3.50	10-	16	P 2	156.2872	-2.97	9-	14	P 5	156.4411	-2.94	5-	7	R 11	156.6221	-1.35	3-	4	P 23
156.1124	-1.79	3-	4	P 9	156.2879	-2.40	9-	14	Q 7	156.4423	-0.72	1-	1	Q 22	156.6225	-1.90	11-	18	Q 15
156.1136	-1.67	1-	1	P 6	156.2879	-2.54	11-	18	R 5	156.4427	-2.14	9-	14	O 13	156.6244	-2.98	8-	12	R 2
156.1163	-2.54	10-	16	O 4	156.2882	-1.54	3-	4	P 15	156.4440	-2.51	6-	9	P 29	156.6249	-2.49	8-	12	R 3
-156.1166	-1.11	4-	6	R 44	156.2888	-2.69	11-	18	O 2	156.4446	-2.15	6-	9	Q 32	156.6250	-2.12	10-	16	R 22
156.1168	-2.54	10-	16	R 7	156.2940	-2.54	10-	16	P 10	156.4453	-3.58	5-	7	P 4	156.6261	-2.73	5-	7	R 19
156.1233	-3.20	10-	16	P 3	156.2946	-0.97	1-	1	R 23	156.4486	-2.32	9-	14	R 16	156.6263	-3.10	12-	18	R 1
156.1245	-1.12	1-	1	R 16	156.2955	-2.10	10-	16	Q 12	156.4489	-1.98	10-	16	O 16	156.6277	-2.80	8-	12	R 4
156.1248	-1.05	1-	1	O 10	156.2975	-2.54	11-	18	Q 3	156.4492	-0.57	9-	14	P 11	156.6294	-1.05	4-	6	R 50
156.1272	-1.26	3-	4	Q 13	156.2988	-1.19	4-	6	P 39	156.4494	-2.38	10-	16	P 14	156.6305	-2.56	5-	7	Q 15
156.1272	-2.60	6-	9	P 24	156.2996	-2.48	11-	18	R 6	156.4496	-1.14	1-	1	P 18	156.6306	-3.28	12-	18	R 17
156.1281	-1.39	3-	4	R 18	156.2998	-3.39	11-	18	P 2	156.4503	-1.07	4-	6	R 48	156.6316	-2.61	13-	23	R 5
156.1289	-2.22	6-	9	Q 27	156.3011	-1.10	3-	4	Q 19	156.4521	-2.88	5-	7	Q 7	156.6322	-3.16	13-	23	P 3
156.1294	-2.46	10-	16	O 5	156.3051	-2.43	11-	18	Q 4	156.4532	-1.02	3-	4	Q 23	156.6326	-2.74	8-	12	R 5
156.1321	-2.50	10-	16	R 8	156.3074	-2.46	9-	14	R 11	156.4570	-0.89	1-	1	R 28	156.6331	-0.95	3-	4	Q 27
156.1332	-1.59	1-	1	P 7	156.3075	-2.34	9-	14	Q 8	156.4574	-2.91	5-	7	R 12	156.6335	-3.01	5-	7	P 12
156.1368	-1.21	4-	6	P 37	156.3080	-2.88	9-	14	P 6	156.4580	-2.48	11-	18	P 9	156.6393	-3.10	12-	18	Q 1
156.1371	-0.74	3-	4	P 10	156.3105	-2.54	6-	9	P 27	156.4608	-2.21	11-	18	R 13	156.6394	-2.50	13-	23	O 4
156.1400	-3.02	10-	16	P 4	156.3109	-0.80	1-	1	Q 18	156.4621	-3.45	5-	7	P 5	156.6395	-2.01	9-	14	Q 18
156.1425	-1.01	1-	1	O 11	156.3114	-2.17	6-	9	Q 30	156.4622	-0.78	3-	5	P 59	156.6399	-2.68	8-	12	R 6
156.1439	-1.09	1-	1	R 17	156.3114	-1.28	3-	4	R 24	156.4673	-2.03	11-	18	O 11	156.6412	-0.63	1-	1	Q 27
156.1453	-2.38	10-	16	O 6	156.3124	-2.27	10-	16	R 15	156.4676	-2.82	5-	7	Q 8	156.6438	-2.88	8-	12	Q 2

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ				
156.8879	-2.99	12-20	P 3		157.0986	-2.38	8-12	P17		157.3771	-2.42	7-10	R10		157.7009	-1.99	12-20	P21		157.9111	-1.51	2-2	P12
156.8892	-1.26	3- 4	P28		157.1003	-1.89	12-20	O12		157.3773	-2.48	5- 7	R35		157.7046	-2.19	5- 7	Q36		157.9133	-3.08	4- 5	R18
156.8897	-2.18	10-16	P22		157.1008	-2.12	10-16	P25		157.3781	-2.48	7-10	Q 6		157.7053	-1.44	2- 2	R11		157.9135	-1.03	2- 2	Q16
156.8900	-2.40	5- 7	Q22		157.1074	-2.09	12-20	R14		157.3817	-3.02	7-10	P 4		157.7058	-1.60	2- 2	Q 4		157.9162	-3.43	4- 5	P10
-156.8903	-7.77	4- 6	Q49		157.1075	-2.21	9-14	P24		157.3879	-2.62	5- 7	P28		157.7098	-0.99	3- 4	R48		157.9220	-2.22	7-10	P20
156.8920	-2.61	5- 7	R26		157.1098	-2.08	9-14	R29		157.3885	-1.87	8-12	Q25		157.7103	-2.55	2- 2	P2		157.9254	-2.16	5- 7	Q39
156.8935	-2.54	8-12	P12		157.1161	-1.01	4- 6	R55		157.3904	-2.10	8-12	R28		157.7145	-1.51	2- 2	O 5		157.9273	-1.82	7-10	Q23
-156.8990	-0.88	3- 4	Q32		157.1182	-2.18	8-12	R23		157.3931	-2.32	7-10	Q 7		157.7174	-1.41	2- 2	R12		157.9299	-1.17	2- 2	R22
156.8995	-1.90	9-14	Q23		157.1199	-1.97	8-12	O20		157.3942	-2.38	7-10	R11		157.7187	-1.10	3- 4	P40		157.9332	-2.92	4- 5	Q14
156.8996	-2.34	12-20	R 7		157.1201	-2.29	12-20	P11		157.3973	-2.14	9-14	P28		157.7222	-2.12	7-10	R22		157.9401	-1.47	2- 2	P13
156.9006	-2.25	12-20	O 5		157.1210	-1.07	3- 4	R40		157.3974	-1.72	12-20	Q18		157.7229	-2.25	2- 2	P 3		157.9407	-3.06	4- 5	R19
156.9007	-2.80	5- 7	P19		157.1299	-1.10	4- 6	P48		157.3991	-2.89	7-10	P 5		157.7233	-3.60	4- 5	R 4		157.9416	-1.01	2- 2	Q17
156.9021	-0.94	1- 1	P28		157.1301	-2.07	11-18	P22		157.3998	-1.03	3- 4	R44		157.7234	-3.68	4- 5	P 3		157.9436	-3.38	4- 5	P11
156.9058	-2.81	12-20	P 4		157.1351	-2.31	5- 7	O27		157.4010	-0.73	4- 6	Q54		157.7241	-2.43	5- 7	R40		157.9556	-2.40	5- 7	R43
156.9077	-2.28	8-12	R18		157.1359	-1.20	3- 4	P32		157.4104	-2.27	7-10	Q 8		157.7243	-1.44	2- 2	O 6		157.9605	-2.89	4- 5	Q15
156.9089	-2.28	13-23	R13		157.1416	-1.86	12-20	O13		157.4111	-1.15	3- 4	P36		157.7250	-3.53	4- 5	R 5		157.9615	-1.15	2- 2	R23
156.9118	-2.46	13-23	P11		157.1419	-1.94	11-18	R26		157.4135	-2.35	7-10	R12		157.7253	-3.78	4- 5	R 2		157.9620	-2.51	5- 7	P36
156.9126	-2.09	8-12	Q15		157.1431	-1.70	11-18	O24		157.4188	-2.80	7-10	P 6		157.7281	-3.48	4- 5	R 6		157.9643	-0.97	3- 4	R51
-156.9163	-1.03	4- 6	R53		157.1467	-2.35	8-12	P18		157.4231	-1.78	3- 4	Q60		157.7298	-0.74	3- 4	D44		157.9686	-3.04	4- 5	P43
156.9183	-2.27	9-14	P21		157.1475	-0.83	3- 4	O36		157.4291	-2.09	12-20	P17		157.7310	-1.38	2- 2	R13		157.9710	-2.03	7-10	R27
156.9195	-2.18	12-20	Q 6		157.1500	-2.06	12-20	R15		157.4298	-2.22	7-10	Q 9		157.7315	-2.55	5- 7	P33		157.9710	-1.44	2- 2	P14
156.9197	-2.29	12-20	R 8		157.1509	-2.31	13-23	P15		157.4313	-2.24	5- 7	Q32		157.7337	-3.43	4- 5	R 7		157.9713	-0.98	2- 2	Q18
156.9203	-2.13	9-14	R24		157.1515	-2.69	5- 7	P24		157.4352	-2.32	7-10	R13		157.7349	-4.08	4- 5	R 0		157.9730	-3.34	4- 5	P12
156.9266	-2.69	12-20	P 5		157.1540	-2.18	13-23	R17		157.4384	-1.99	11-18	P26		157.7361	-1.38	2- 2	O 7		157.9766	-2.20	2- 2	P21
156.9298	-2.50	8-12	P13		157.1541	-1.83	9-14	O27		157.4406	-2.72	7-10	P 7		157.7371	-2.32	7-10	P16		157.9806	-1.81	7-10	Q24
156.9308	-2.13	11-18	P19		157.1545	-1.94	13-23	O16		157.4442	-2.47	5- 7	R36		157.7373	-0.07	2- 2	P 4		157.9819	-0.71	3- 4	Q47
-156.9313	-1.12	4- 6	P46		157.1635	-2.25	12-20	P12		157.4449	-1.07	4- 6	P51		157.7382	-1.91	7-10	O19		157.9897	-2.86	4- 5	Q16
-156.9334	-1.10	3- 4	R37		157.1665	-2.17	8-12	R24		157.4506	-1.86	8-12	Q26		157.7410	-3.38	4- 5	R 8		157.9994	-1.14	2- 2	R24
156.9351	-2.38	5- 7	Q23		157.1693	-1.95	8-12	O21		157.4515	-2.17	7-10	Q10		157.7441	-3.90	4- 5	O 1		158.0009	-3.02	4- 5	R21
156.9390	-2.59	5- 7	R27		157.1763	-2.19	9-14	P25		157.4531	-2.61	5- 7	P29		157.7464	-1.35	2- 2	R14		158.0028	-0.96	2- 2	Q19
156.9392	-1.99	11-18	R23		157.1862	-1.83	12-20	O14		157.4583	-1.70	12-20	Q19		157.7476	-3.68	4- 5	O 2		158.0035	-1.41	2- 2	P15
156.9417	-2.11	12-20	Q 7		157.1885	-1.06	3- 4	R41		157.4604	-2.29	7-10	R14		157.7491	-1.32	2- 2	O 8		158.0041	-3.30	4- 5	P13
156.9429	-2.25	12-20	R 0		157.1898	-0.75	4- 6	O52		157.4636	-2.20	13-23	P19		157.7499	-3.34	4- 5	R 9		158.0120	-2.14	5- 7	Q40
-156.9433	-1.12	4- 6	P46		157.1911	-2.30	5- 7	Q28		157.4645	-2.65	7-10	P 8		157.7528	-1.95	2- 2	P 5		158.0159	-1.03	4- 6	P56
156.9451	-2.38	5- 7	Q23		157.1919	-1.95	8-12	P21		157.4715	-2.17	7-10	Q10		157.7541	-3.90	4- 5	O 3		158.0168	-2.02	7-10	R28
156.9469	-2.77	5- 7	P20		157.1968	-2.33	8-12	P19		157.4749	-2.13	9-14	P29		157.7561	-0.15	8-12	P28		158.0207	-1.12	2- 2	R25
156.9478	-1.24	3- 4	P29		157.1987	-2.52	5- 7	R32		157.4752	-2.14	7-10	Q11		157.7603	-3.43	4- 5	O 4		158.0208	-2.84	4- 5	Q17
156.9494	-2.06	8-12	Q16		157.2025	-1.19	3- 4	P33		157.4801	-2.27	7-10	R15		157.7608	-3.30	4- 5	R 10		158.0309	-2.17	7-10	P22
156.9512	-2.59	12-20	P 6		157.2026	-2.05	11-18	P23		157.4850	-2.22	8-12	P24		157.7625	-4.38	4- 5	P 2		158.0338	-3.00	4- 5	R22
156.9568	-0.92	1- 1	P29		157.2036	-0.82	3- 4	O37		157.4855	-1.13	3- 4	P37		157.7633	-1.32	2- 2	R15		158.0353	-1.79	7-10	Q25
-156.9586	-0.86	3- 4	Q33		157.2102	-2.21	12-20	P13		157.4919	-2.06	12-20	P18		157.7658	-2.10	7-10	R23		158.0370	-3.27	4- 5	P14
156.9595	-1.88	9-14	Q24		157.2168	-1.68	11-18	O25		157.4970	-0.77	3- 4	Q41		157.7699	-3.34	4- 5	Q 5		158.0377	-1.38	2- 2	P16
156.9633	-2.13	13-23	R14		157.2192	-2.15	8-12	P25		157.4984	-2.23	5- 7	Q33		157.7709	-1.85	2- 2	P 6		158.0377	-2.50	5- 7	P37
156.9651	-2.42	13-23	P12		157.2204	-1.93	8-12	O22		157.5012	-2.10	7-10	Q12		157.7734	-3.27	4- 5	R 11		158.0379	-2.39	5- 7	R44
-156.9667	-0.75	3- 5	P63		157.2223	-2.28	13-23	P16		157.5074	-1.84	8-12	Q27		157.7746	-2.29	7-10	P17		158.0501	-0.96	3- 4	R52
156.9670	-2.06	12-20	Q 8		157.2229	-1.82	9-14	O28		157.5100	-2.24	7-10	R16		157.7752	-4.08	4- 5	P 3		158.0537	-2.81	4- 5	P44
156.9686	-2.47	8-12	P14		157.2238	-1.09	4- 6	P49		157.5124	-2.46	5- 7	R37		157.7797	-2.18	5- 7	O37		158.0583	-1.10	2- 2	R26
156.9693	-2.21	12-20	R10		157.2341	-1.80	12-20	O15		157.5183	-2.59	5- 7	P30		157.7802	-1.23	2- 2	R 10		158.0687	-2.98	4- 5	P23
156.9786	-2.51	12-20	P 7		157.2452	-2.01	12-20	R17		157.5190	-2.54	7-10	P10		157.7803	-3.27	4- 5	O 6		158.0706	-0.92	2- 2	Q21
156.9789	-2.25	9-14	P22		157.2474	-2.18	9-14	P26		157.5226	-1.97	11-18	P27		157.7820	-1.30	2- 2	R16		158.0706	-0.70	3- 4	Q48
156.9803	-2.11	9-14	R27		157.2499	-2.30	8-12	P20		157.5228	-1.64	12-20	Q20		157.7837	-1.88	7-10	Q20		158.0718	-3.23	4- 5	P1

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
158.2779	-1.23	5	-2	P22	158.5082	-2.01	10-15	O 5	-158.7552	-2.79	4	-5	R37	-159.0226	-2.75	4	-5	R41	159.3947	-2.46	8-11	Q 1		
-158.2878	-2.46	5	-7	P40	158.5087	-2.08	11-17	R 8	-158.7640	-2.41	5	-7	P45	-159.0229	-2.87	4	-5	P33	159.3950	-1.69	10-15	P24		
158.2904	-2.69	4	-5	Q24	158.5130	-2.60	11-17	P 4	-158.7721	-2.55	4	-5	Q33	159.0323	-1.70	11-17	R22	159.3982	-4.90	3-3	Q 2			
158.2919	-2.63	6	-8	R 3	-158.5176	-2.84	4	-5	R33	158.7727	-2.40	9-13	R 2	159.0325	-1.99	6	-8	P23	159.3992	-2.24	8-11	Q 2		
158.2928	-2.73	6	-8	R 2	158.5183	-2.03	6	-8	R18	158.7734	-2.31	9-13	R 3	159.0340	-1.65	10-15	R23	159.4000	-1.57	9-13	R25			
158.2928	-2.55	6	-8	R 4	158.5196	-1.14	2	-2	P27	158.7742	-2.53	9-13	R 1	-159.0344	-1.83	6	-8	R30	159.4010	-1.99	8-11	R 7		
158.2959	-2.85	6	-8	R 1	158.5198	-2.33	6	-8	P11	158.7765	-2.23	9-13	R 4	-159.0348	-2.50	4	-5	P37	159.4012	-4.52	3-3	R10		
158.2959	-2.49	6	-8	R 5	158.5204	-2.57	10-15	P 4	158.7768	-1.70	6	-8	Q21	159.0362	-1.73	9-13	R17	-159.4023	-2.70	4-5	R46			
158.3010	-2.43	6	-8	R 6	158.5205	-1.97	11-17	Q 6	-158.7776	-1.99	7-10	P33	159.0372	-1.54	9-13	Q14	159.4032	-4.75	3-3	Q 3				
158.3010	-3.03	6	-8	R 0	158.5210	-1.87	6	-8	Q14	158.7778	-1.56	10-15	Q15	-159.0372	-0.97	3-4	P54	159.4060	-2.10	8-11	Q 3			
158.3081	-2.38	6	-8	R 7	158.5218	-3.00	4	-5	P25	158.7784	-2.70	9-13	R 0	159.0445	-1.85	11-17	P18	-159.4090	-1.75	6-8	R36			
158.3101	-2.05	6	-8	O 1	-158.5226	-1.01	3	-4	P49	158.7815	-1.80	11-17	R17	159.0476	-1.47	11-17	Q20	159.4102	-4.64	3-3	Q 4			
158.3141	-2.63	6	-8	Q 2	158.5231	-2.01	10-15	R 9	158.7820	-2.16	9-13	R 5	159.0506	-1.96	9-13	P12	159.4121	-1.94	8-11	R 8				
158.3173	-2.33	6	-8	R 8	158.5243	-1.93	10-15	O 6	158.7825	-1.97	10-15	P13	159.0568	-1.41	10-15	Q21	159.4122	-4.48	3-3	R11				
158.3179	-0.81	2	-2	Q27	158.5268	-2.04	11-17	R 9	158.7840	-2.10	6	-8	P18	-159.0706	-2.38	5-7	P48	-159.4124	-2.45	4-5	Q42			
158.3188	-2.89	4	-5	R29	158.5332	-2.48	11-17	P 5	158.7844	-1.90	6	-8	R25	159.0731	-1.70	9-13	R18	159.4128	-2.94	8-11	P2			
158.3195	-3.08	4	-5	P21	-158.5352	-0.66	3	-4	Q53	158.7873	-2.53	9-13	Q 1	159.0735	-1.51	9-13	Q15	159.4136	-5.60	3-3	P 2			
158.3201	-2.49	6	-8	Q 3	158.5392	-2.45	10-15	P 5	158.7900	-2.10	9-13	R 6	159.0772	-1.79	10-15	P19	159.4149	-1.99	8-11	Q 4				
-158.3203	-1.03	3	-4	P47	158.5393	-0.61	4	-5	Q29	158.7918	-2.00	11-17	P13	159.0799	-1.59	6	-8	D27	159.4187	-4.56	3-3	Q 5		
158.3241	-1.21	2	-2	P23	158.5396	-1.91	11-17	O 7	158.7918	-1.75	10-15	R18	159.0883	-1.93	9-13	P13	159.4213	-1.73	9-13	P20				
-158.3249	-1.95	7	-10	R33	-158.5407	-2.08	5	-7	Q46	158.7920	-2.31	9-13	Q 2	159.0895	-1.97	6	-8	P24	159.4249	-4.45	3-3	R12		
158.3283	-2.38	6	-8	Q 4	158.5424	-1.87	10-15	Q 7	158.7952	-1.59	11-17	Q15	159.0901	-2.86	4-5	P34	159.4255	-1.90	8-11	R 9				
158.3284	-3.33	6	-8	P 2	158.5438	-1.97	10-15	R10	158.7994	-2.16	9-13	Q 3	159.0903	-1.63	10-15	R24	159.4261	-1.90	8-11	G5				
158.3284	-2.29	6	-8	R 9	-158.5458	-2.03	7-10	P30	158.8003	-2.05	9-13	R 7	-159.0911	-1.81	6	-8	R31	159.4264	-2.64	8-11	P 3			
158.3345	-2.08	7	-10	P27	158.5496	-2.00	11-17	R10	158.8051	-3.00	9-13	P 2	159.0919	-1.68	11-17	R23	159.4267	-5.30	3-3	P 3				
158.3363	-2.67	4	-5	K25	158.5512	-2.01	6	-8	R19	158.8090	-2.05	9-13	Q 4	-159.0940	-2.74	4-5	R42	159.4288	-4.48	3-3	Q 6			
158.3384	-2.29	6	-8	O 5	158.5513	-2.29	6	-8	P12	158.8095	-1.06	2-2	P32	159.1041	-1.83	11-17	P19	159.4390	-1.86	8-11	K10			
158.3414	-3.03	6	-8	P 3	158.5520	-1.84	6	-8	Q15	158.8131	-2.00	9-13	R 8	159.1066	-1.45	11-17	Q21	159.4395	-4.42	3-3	R13			
158.3416	-2.25	6	-8	R10	-158.5533	-1.67	7-10	Q33	158.8175	-2.92	4-5	P30	-159.1073	-2.49	4-5	Q38	159.4397	-1.83	8-11	Q 6				
-158.3427	-1.71	7	-10	Q30	158.5557	-2.38	11-17	P 6	158.8187	-2.70	9-13	P 3	159.1122	-1.49	9-13	Q16	159.4408	-4.42	3-3	Q 7				
-158.3475	-0.68	3	-4	Q51	158.5614	-1.74	2-2	Q32	158.8193	-1.53	10-15	O16	159.1126	-1.68	9-13	R19	159.4412	-5.12	3-3	P 4				
158.3506	-2.22	6	-8	O 6	158.5616	-2.35	10-15	P 6	-158.8206	-2.78	4-5	R38	159.1230	-1.40	10-15	Q22	159.4422	-2.46	8-11	P 4				
-158.3544	-2.10	5	-7	Q44	158.5620	-1.85	11-17	Q 8	158.8210	-1.96	9-13	R 5	-159.1268	-1.58	6	-8	D28	159.4431	-1.72	11-17	P24			
158.3566	-2.85	6	-8	P 4	158.5628	-1.93	10-15	R11	158.8220	-1.68	6	-8	Q22	159.1286	-1.89	9-13	P14	159.4459	-1.36	11-17	Q26			
158.3568	-2.22	6	-8	R11	158.5647	-1.82	10-15	Q 8	158.8259	-1.93	10-15	P14	159.1353	-1.77	10-15	P20	159.4509	-1.33	9-13	Q23				
158.3668	-2.16	6	-8	Q 7	-158.5740	-2.43	5	-7	P43	158.8265	-0.98	3-4	P52	159.1396	-1.95	6	-8	P25	-159.4537	-1.51	6-8	Q33		
-158.3664	-2.87	4	-5	R30	158.5742	-1.97	11-17	R11	158.8265	-1.78	11-17	R18	-159.1492	-0.96	3	-4	P55	159.4545	-4.37	3-3	Q 8			
158.3671	-3.06	4	-5	P22	158.5761	-1.12	2-2	P28	158.8282	-1.96	9-13	R 9	-159.1499	-1.80	6	-8	R32	159.4555	-1.77	8-11	R 7			
158.3710	-0.80	2	-2	Q28	-158.5769	-2.82	4	-5	R34	158.8334	-1.88	6	-8	R26	159.1552	-1.64	9-13	Q17	159.4555	-4.39	3-3	R14		
158.3721	-1.19	2	-2	P24	158.5771	-2.98	4	-5	P26	158.8356	-2.08	6	-8	P19	159.1554	-1.67	11-17	R24	159.4578	-5.00	3-3	P 5		
158.3739	-2.73	6	-8	P 5	158.5781	-1.81	6	-8	Q16	158.8350	-1.73	10-15	R19	159.1564	-1.66	9-13	R20	159.4578	-1.56	9-13	R26			
158.3741	-2.19	6	-8	R12	158.5814	-2.30	11-17	P 7	158.8350	-2.53	9-13	P 4	-159.1575	-2.85	4-5	P35	159.4587	-1.83	8-11	R11				
158.3809	-2.10	6	-8	Q 8	158.5819	-1.77	10-15	Q 9	158.8354	-1.89	9-13	Q 6	159.1667	-1.80	11-17	P20	159.4602	-2.34	8-11	P 5				
158.3843	-2.66	4	-5	K26	158.5848	-2.25	6	-8	P13	158.8363	-2.54	4-5	P34	159.1685	-1.43	11-17	Q22	-159.4661	-1.87	6-8	P30			
-158.3844	-2.45	5	-7	P41	158.5852	-1.99	6	-8	R20	158.8367	-1.97	11-17	P14	-159.1687	-2.73	4-5	R43	159.4665	-1.67	10-15	P25			
158.3931	-2.63	6	-8	P 6	158.5869	-1.80	11-17	Q 9	158.8401	-1.50	11-17	Q16	159.1710	-1.86	9-13	P15	159.4699	-4.32	3-3	Q 9				
158.3934	-2.16	6	-8	R13	158.5874	-2.27	10-15	P 5	158.8457	-1.93	9-13	R10	-159.1808	-2.48	4	-5	Q39	-159.4704	-2.80	4-5	P39			
158.3939	-2.05	6	-8	Q 9	158.5885	-1.90	10-15	R12	158.8523	-1.83	9-13	O 7	159.1830	-1.38	10-15	P23	159.4735	-1.71	8-11	Q 8				
158.3949	-0.78	2	-2	Q29	158.5962	-2.59	4	-5	G30	158.8535	-2.40	9-13	P 5	159.1910	-1.56	6	-8	Q29	159.4735	-4.37	3-3	R15		
158.4032	-0.07	7	-10	P28	158.6017	-1.94	11-17	R12	158.8614	-1.98	7-10	P34	159.1963	-1.75	10-15	P21	159.4757	-4.90	3-3	P 6				
158.4114	-2.55	6	-8	P 7	158.6091	-1.24	11-17	P 8	158.8648	-2.40	5	-7	P46	159.1980	-1.64	9-13	R21	-159.4793	-1.74	6-8	R37			
158.4148	-2.13	6	-8	R14	158.6105	-2.20	10-15	P 8	158.8655	-1.89	9-13	R11	-159.2057	-1.93	6	-8	P26	159.4796	-1.80	8-11	R12			
158.4168	-3.04	4	-5	P23	158.6117	-1.79	6	-8	Q17	158.8698	-1.66	6	-8	Q23	159.2130	-1.79	6	-8	R33	159.4805	-2.24	8-11	P 6	
158.4195	-2.01	6	-8	O 10	158.6137	-1.76																		

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
159.5992	-2.16	5-	6	Q 4	159.7525	-3.99	3-	3	Q20	159.9526	-4.30	3-	3	P21	160.2932	-2.16	7-	9	Q 2	160.7316	-1.66	7-	9	P17
159.5996	-1.68	11-	17	P26	159.7565	-2.20	1-	0	Q 4	159.9530	-1.11	1-	0	P12	160.2971	-1.56	8-	11	P25	160.7403	-2.33	4-	5	Q56
159.6002	-1.66	9-	13	C23	159.7586	-1.68	5-	6	Q13	159.9618	-1.70	5-	6	R24	160.2981	-1.37	5-	6	Q27	160.7439	-1.44	7-	9	R24
159.6007	-3.11	5-	6	P23	159.7587	-1.81	5-	6	R18	159.9624	-1.29	8-	11	Q22	160.2985	-1.86	7-	9	R 8	160.7477	-2.59	4-	5	R60
159.6029	-1.97	5-	6	R12	159.7591	-2.16	5-	6	P10	159.9672	-0.76	1-	0	R23	160.2996	-2.01	7-	9	Q 3	160.7570	-1.63	5-	6	P31
159.6051	-2.03	5-	6	R10	159.7617	-2.16	1-	0	P 2	159.9696	-0.61	1-	0	Q17	160.3021	-2.02	13-	21	P18	160.7755	-1.23	7-	9	Q21
159.6096	-2.07	5-	6	Q 5	159.7626	-1.58	8-	11	R21	159.9750	-1.50	5-	6	Q20	160.3063	-0.83	1-	0	P22	160.7769	-1.63	7-	9	P18
159.6102	-2.77	13-	21	R 1	159.7645	-1.11	1-	0	Q 5	159.9790	-1.78	13-	21	Q14	160.3073	-2.86	7-	9	P 2	160.7786	-1.50	5-	6	R39
159.6115	-2.95	13-	21	R 0	159.7645	-1.81	6-	8	P34	159.9834	-1.08	1-	0	P13	160.3079	-1.91	7-	9	Q 4	160.7852	-1.26	5-	6	Q35
-159.6118	-1.84	6-	8	P32	159.7651	-1.80	8-	11	P15	159.9904	-1.91	5-	6	P17	160.3099	-4.17	3-	3	P28	160.7900	-1.43	7-	9	R25
159.6118	-2.64	13-	21	R 2	159.7654	-0.98	1-	0	R13	159.9954	-3.87	3-	3	Q26	160.3102	-1.82	7-	9	R 9	160.8027	-2.51	11-	16	R 2
159.6123	-1.66	8-	11	R17	159.7655	-1.65	5-	6	Q14	159.9970	-0.74	1-	0	R24	160.3185	-1.82	7-	9	Q 5	160.8032	-2.63	11-	16	R 1
159.6139	-2.81	5-	6	P 3	159.7714	-1.97	13-	21	Q 9	159.9975	-2.74	4-	5	P45	160.3187	-2.36	4-	5	Q52	160.8044	-2.41	11-	16	R 3
159.6159	-1.94	8-	11	P11	159.7738	-1.04	1-	0	G 6	159.9982	-0.59	1-	0	Q18	160.3191	-2.62	4-	5	R56	160.8068	-2.81	11-	16	R 0
159.6170	-2.55	13-	21	R 3	159.7744	-1.86	1-	0	P 3	159.9983	-2.17	13-	21	P13	160.3209	-2.56	7-	9	P 3	160.8089	-2.33	11-	16	R 4
159.6172	-4.24	3-	3	R21	159.7756	-1.37	8-	11	R18	159.9983	-4.28	3-	3	P22	160.3243	-1.78	7-	9	R 10	160.8158	-2.63	11-	16	Q 1
159.6199	-4.56	3-	3	P12	159.7816	-0.95	1-	0	R14	159.9984	-1.99	13-	21	R16	160.3269	-1.75	5-	6	P24	160.8159	-2.66	4-	5	P53
159.6201	-2.77	13-	21	Q 1	159.7819	-2.13	13-	21	R11	160.0010	-1.66	8-	11	P20	160.3309	-0.42	1-	0	Q27	160.8163	-2.27	11-	16	R 5
159.6208	-2.00	5-	6	R11	159.7825	-2.40	13-	21	P 8	160.0021	-1.68	5-	6	R25	160.3310	-1.75	7-	9	Q 6	160.8211	-2.41	11-	16	Q 2
159.6209	-2.00	5-	6	Q 6	159.7855	-0.98	1-	0	Q 7	160.0021	-1.49	8-	11	R26	160.3366	-2.38	7-	9	P 4	160.8223	-2.21	7-	9	Q22
159.6225	-2.47	13-	21	R 4	159.7856	-4.15	3-	3	R26	160.0117	-1.77	6-	8	P37	160.3403	-1.75	7-	9	R 11	160.8244	-1.60	7-	9	P19
159.6255	-1.94	5-	6	Q 7	159.7874	-4.39	3-	3	P17	160.0147	-1.04	1-	0	P14	160.3415	-1.58	5-	6	R32	160.8263	-1.62	5-	6	P32
159.6256	-4.08	3-	3	O16	159.7878	-1.79	5-	6	R19	160.0148	-1.27	8-	11	Q23	160.3454	-1.63	13-	21	Q20	160.8263	-2.21	11-	16	R 6
159.6274	-2.55	13-	21	Q 2	159.7880	-0.11	5-	6	P11	160.0153	-1.48	5-	6	Q21	160.3459	-1.68	7-	9	Q 7	160.8296	-2.27	11-	16	Q 3
159.6289	-2.63	5-	6	P 4	159.7886	-3.97	3-	3	Q21	160.0219	-2.64	4-	5	R53	160.3508	-0.81	1-	0	P23	160.8337	-3.11	11-	16	P 2
159.6290	-1.48	8-	11	Q14	159.7890	-1.68	1-	0	P 4	160.0223	-2.38	4-	5	P49	160.3519	-1.36	5-	6	Q28	160.8385	-1.41	7-	9	R26
159.6324	-1.28	9-	13	Q26	159.7976	-0.90	1-	0	R16	160.0282	-0.57	1-	0	Q19	160.3541	-2.26	7-	9	P 5	160.8391	-2.16	11-	16	R 7
159.6326	-1.94	5-	6	R13	159.7986	-0.93	1-	0	Q 8	160.0288	-0.72	1-	0	R25	160.3585	-1.71	7-	9	R12	160.8402	-2.16	11-	16	Q 4
159.6327	-3.25	13-	21	P 2	159.8011	-1.62	5-	6	G15	160.0312	-1.76	13-	21	Q15	160.3628	-1.63	7-	9	Q 8	160.8479	-2.81	11-	16	P 3
159.6374	-2.40	13-	21	R 5	159.8025	-0.93	1-	0	R15	160.0334	-1.88	5-	6	P18	160.3635	-1.54	8-	11	P26	160.8505	-1.49	5-	6	R40
159.6377	-2.40	13-	21	Q 3	159.8039	-1.61	9-	13	P26	160.0426	-3.86	3-	3	Q27	160.3667	-4.40	1-	0	Q28	160.8521	-2.32	4-	5	Q57
-159.6380	-2.78	4-	5	P41	159.8052	-1.55	1-	0	P 5	160.0447	-1.66	5-	6	R26	160.3679	-4.15	3-	3	P29	160.8536	-2.07	11-	16	Q 5
159.6459	-2.51	5-	6	P 5	159.8059	-1.56	8-	11	R22	160.0457	-4.26	3-	3	P23	160.3737	-1.99	13-	21	P19	160.8546	-2.11	11-	16	K 8
159.6467	-1.64	8-	11	R18	159.8062	-1.92	13-	21	Q10	160.0476	-1.01	1-	0	P15	160.3740	-2.16	7-	9	P 6	160.8551	-1.25	5-	6	Q36
159.6473	-1.88	5-	6	Q 8	159.8088	-1.77	8-	11	P16	160.0519	-2.13	13-	21	P14	160.3789	-1.68	7-	9	R13	160.8608	-2.58	4-	5	R61
159.6475	-1.90	8-	11	P12	159.8137	-0.88	1-	0	Q 9	160.0557	-1.64	8-	11	P21	160.3824	-1.73	5-	6	P25	160.8700	-2.00	11-	16	Q 6
159.6499	-4.52	3-	3	P13	159.8181	-2.10	13-	21	R12	160.0574	-1.46	5-	6	Q22	160.3898	-2.70	4-	5	P49	160.8713	-1.19	7-	9	Q23
159.6515	-2.29	13-	21	Q 4	159.8185	-0.34	13-	21	P 9	160.0598	-0.54	1-	0	Q20	160.3958	-2.08	7-	9	P 7	160.8725	-2.07	11-	16	K 9
159.6529	-2.34	13-	21	R 6	159.8188	-1.77	5-	6	R20	160.0604	-0.71	1-	0	R26	160.3968	-2.79	1-	0	P24	160.8740	-1.58	7-	9	P20
159.6534	-2.95	13-	21	P 3	159.8191	-1.35	8-	11	Q19	160.0694	-1.25	8-	11	Q24	160.3977	-1.57	5-	6	R33	160.8849	-2.51	11-	16	P 5
159.6547	-4.05	3-	3	Q17	159.8201	-0.88	1-	0	R17	160.0778	-1.86	5-	6	P19	160.4013	-1.66	7-	9	R14	160.8890	-1.93	11-	16	Q 7
-159.6555	-2.67	13-	21	R 7	159.8202	-2.07	5-	6	P12	160.0833	-0.98	1-	0	P16	160.4027	-1.54	7-	9	Q10	160.8893	-1.40	7-	9	R27
159.6583	-1.91	5-	6	R14	159.8231	-1.46	1-	0	P 6	160.0866	-1.73	6-	8	P38	160.4283	-1.14	3-	3	P30	160.9258	-1.56	7-	9	P21
159.6715	-2.29	13-	21	R 7	159.8402	-2.40	4-	5	P47	160.1017	-1.44	5-	6	Q23	160.4318	-1.53	8-	11	P27	160.9271	-1.24	5-	6	Q37
159.6723	-2.77	13-	21	P 4	159.8418	-0.86	1-	0	R18	160.1091	-2.10	13-	21	P15	160.4400	-1.71	5-	6	P26	160.9271	-2.66	4-	5	P54
159.6792	-2.40	20-	3-	R23	159.8425	-1.38	1-	0	P 7	160.1103	-1.95	13-	21	R18	160.4443	-0.78	1-	0	P25	160.9327	-2.33	11-	16	P 7
159.6815	-1.88	5-	6	R15	159.8443	-1.89	1-	0	P11	160.1124	-1.62	8-	11	P22	160.4461	-1.96	7-	9	P 9	160.9351	-1.83	11-	16	Q 9
159.6817	-1.48	3-	3	P14	159.8462	-1.80	6-	8	P35	160.1185	-2.63	4-	5	R54	160.4490	-0.97	13-	21	P20	160.9384	-2.53	12-	18	R 3
159.6826	-1.67	11-	17	P27	159.8513	-1.54	8-	11	R23	160.1237	-2.38	4-	5	O50	160.4514	-1.46	7-	9	R12	160.9392	-2.75	12-	18	R 2
159.6832	-1.62	8-	11	R19	159.8515	-0.75	5-	6	R21	160.1237	-0.95	1-	0	P17	160.4525	-1.60	7-	9	R16	160.9396	-2.62	12-	18	R 2
159.6854	-4.03	3-	3	Q18	159.8520	-0.79	1-	0																

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
161.0428	-2.08	10.-14	Q 4	161.2147	-1.81	10.-14	R15	-161.3976	-2.62	5.-5	P58	161.5524	-3.14	13.-20	P 3	161.6512	-2.60	13.-20	P 8	161.0431	-2.15	12.-18	R10	161.0431
161.0431	-2.15	12.-18	R10	161.2147	-1.79	12.-18	Q13	161.3979	-1.35	4.-4	Q16	161.5277	-2.29	6.-7	P 4	161.6522	-3.55	2.-1	P14	161.0436	-2.53	12.-18	P 6	161.0436
161.0436	-2.53	12.-18	P 6	161.2176	-1.46	7.-9	P26	161.3983	-3.55	2.-1	Q 6	161.5296	-2.39	14.-23	R14	161.6543	-2.34	14.-23	R16	161.0467	-1.58	5.-6	P35	161.0467
161.0467	-1.58	5.-6	P35	161.2194	-1.63	4.-4	Q 8	161.3984	-1.68	12.-18	R17	161.5299	-2.09	9.-12	R 6	161.6545	-1.39	4.-4	R28	161.0489	-2.04	10.-14	R 8	161.0489
161.0489	-2.04	10.-14	R 8	161.2207	-2.26	4.-4	P 5	161.3998	-3.48	2.-1	R13	161.5301	-1.25	4.-4	Q20	161.6576	-1.38	10.-14	O22	161.0507	-2.74	10.-14	P 3	161.0507
161.0507	-2.74	10.-14	P 3	161.2212	-2.08	10.-14	P10	161.4029	-1.49	10.-14	Q17	161.5311	-2.51	9.-12	Q 1	161.6578	-1.34	6.-7	Q13	161.0528	-2.00	12.-18	Q 8	161.0528
161.0528	-2.00	12.-18	Q 8	161.2251	-1.66	4.-4	R14	161.4037	-1.17	5.-6	O43	161.5323	-1.43	4.-4	R25	161.6578	-1.67	9.-12	Q10	-161.0551	-1.35	7.-9	R30	-161.0551
-161.0551	-1.35	7.-9	R30	161.2281	-1.57	11.-16	Q17	161.4061	-1.42	5.-6	R47	161.5333	-1.59	6.-7	Q 7	161.6581	-2.48	14.-23	P14	161.0553	-2.00	10.-14	Q 5	161.0553
161.0553	-2.00	10.-14	Q 5	161.2322	-1.96	11.-16	P15	161.4100	-1.69	10.-14	R20	161.5339	-2.56	14.-23	P12	161.6608	-2.11	14.-23	G15	161.0566	-2.11	11.-16	P11	161.0566
161.0566	-2.11	11.-16	P11	161.2352	-1.59	4.-4	Q 9	161.4112	-4.18	2.-1	P 4	161.5347	-3.32	2.-1	R20	161.6681	-2.14	9.-12	R 8	161.0566				
161.0566	-2.00	10.-14	R 9	-161.2364	-1.19	5.-6	O41	161.4115	-1.05	7.-9	Q32	161.5356	-2.17	14.-23	Q13	161.6684	-2.12	13.-20	Q10	161.0569	-2.00	10.-14	P 4	161.0569
161.0569	-2.00	10.-14	P 4	-161.2382	-1.44	5.-6	R45	161.4143	-3.46	2.-1	R14	161.5356	-2.29	9.-12	Q 2	161.6701	-1.61	10.-14	R25	161.0575	-2.12	11.-16	P 4	161.0575
161.0575	-2.12	11.-16	P 4	161.2387	-2.99	14.-23	P 5	161.4154	-1.71	11.-16	R23	161.5358	-2.49	13.-20	R 7	-161.6702	-1.14	5.-6	Q46	161.0584	-1.95	12.-18	Q 9	161.0584
161.0584	-1.95	12.-18	Q 9	161.2475	-2.18	12.-18	P12	161.4272	-1.48	4.-4	R22	161.5427	-2.14	9.-12	Q 3	161.6783	-1.76	10.-14	P20	161.0604	-2.11	12.-18	R11	161.0604
161.0604	-2.11	12.-18	R11	161.2486	-1.78	10.-18	R16	161.4273	-2.64	14.-23	P10	161.5441	-2.94	13.-20	P 4	161.6836	-1.63	9.-12	Q11	161.0703	-1.92	10.-14	Q 6	161.0703
161.0703	-1.92	10.-14	Q 6	161.2388	-2.48	14.-23	O 6	161.4180	-1.89	10.-14	P15	161.5374	-3.71	2.-1	P10	161.6715	-2.29	13.-20	R12	161.0705	-2.45	12.-18	P 7	161.0705
161.0705	-2.45	12.-18	P 7	161.2394	-2.17	4.-4	P 6	161.4193	-1.79	4.-4	P13	161.5374	-3.20	2.-1	Q14	161.6725	-1.78	9.-12	R14	161.0757	-1.86	11.-16	R16	161.0757
161.0757	-1.86	11.-16	R16	161.2439	-1.63	4.-4	R15	161.4193	-1.41	7.-9	P29	161.5381	-2.40	13.-20	Q 5	161.6733	-1.47	6.-7	R18	-161.0766	-1.46	5.-6	R43	-161.0766
-161.0766	-1.46	5.-6	R43	161.2464	-1.61	10.-14	Q13	161.4220	-2.45	14.-23	R12	161.5395	-2.03	9.-12	R 7	161.6750	-3.07	2.-1	Q19	161.0775	-1.21	5.-6	O39	161.0775
161.0775	-1.21	5.-6	O39	161.2472	-1.97	12.-18	R16	161.4241	-3.43	2.-1	R 8	161.5423	-1.51	5.-6	P41	-161.6766	-1.40	5.-6	R50	161.0789	-1.95	12.-18	Q 9	161.0789
161.0789	-1.95	12.-18	Q 9	161.2475	-2.18	12.-18	P12	161.4272	-1.48	4.-4	R22	161.5427	-2.14	9.-12	Q 3	161.6783	-1.76	10.-14	P20	161.0800	-2.30	4.-5	Q59	161.0800
161.0800	-2.30	4.-5	Q59	161.2486	-1.78	10.-18	R16	161.4273	-2.64	14.-23	P10	161.5441	-2.94	13.-20	P 4	161.6836	-1.63	9.-12	Q11	161.0835	-1.96	10.-14	R10	161.0835
161.0835	-1.96	10.-14	R10	161.2524	-1.77	11.-16	R20	161.4282	-1.32	4.-4	Q17	161.5451	-2.17	6.-7	P 5	161.6851	-3.51	2.-1	P15	161.0866	-1.86	10.-14	Q 7	161.0866
161.0866	-1.86	10.-14	Q 7	161.2533	-1.54	4.-4	O10	161.4283	-4.06	2.-1	P 5	161.5477	-1.42	10.-14	Q20	161.6852	-1.31	6.-7	Q14	161.0881	-2.44	10.-14	P 5	161.0881
161.0881	-2.44	10.-14	P 5	161.2556	-2.04	10.-14	P11	161.4290	-2.23	14.-23	Q11	161.5490	-1.54	6.-7	Q 8	161.6859	-3.23	2.-1	R25	161.0891	-1.12	12.-18	Q 2	161.0891
161.0891	-1.12	12.-18	Q 2	161.2561	-1.76	12.-18	O14	161.4305	-3.43	2.-1	R15	161.5495	-2.99	9.-12	R 2	161.6859	-1.95	12.-18	P20	161.0944	-1.50	7.-9	P24	161.0944
161.0944	-1.50	7.-9	P24	161.2598	-2.09	4.-4	P 7	161.4390	-3.38	2.-1	R 9	161.5514	-1.99	9.-12	R 8	161.6886	-2.54	13.-20	P 9	161.0976	-1.65	11.-16	Q14	161.0976
161.0976	-1.65	11.-16	Q14	161.2610	-2.90	14.-23	P 6	161.4410	-1.48	11.-16	C21	161.5521	-2.03	9.-12	Q 4	161.6873	-1.59	4.-4	P20	161.0991	-2.07	11.-16	P12	161.0991
161.0991	-2.07	11.-16	P12	161.2614	-2.60	14.-23	R 8	161.4422	-2.28	4.-5	Q62	161.5524	-1.59	6.-7	R13	161.6889	-1.81	12.-18	R24	161.1022	-2.38	12.-18	P 8	161.1022
161.1022	-2.38	12.-18	P 8	161.2646	-1.61	4.-4	R16	161.4429	-2.05	12.-18	P16	161.5564	-2.44	13.-20	R 8	161.6909	-1.77	6.-7	P11	161.1042	-1.92	10.-14	R11	161.1042
161.1042	-1.92	10.-14	R11	161.2730	-1.50	4.-4	Q11	161.4469	-3.96	2.-1	R 5	161.5590	-1.64	10.-14	R23	161.6961	-1.57	12.-18	Q22	161.1078	-1.81	10.-14	Q 8	161.1078
161.1078	-1.81	10.-14	Q 8	161.2754	-1.07	7.-9	Q30	161.4479	-1.86	11.-16	P19	161.5598	-1.85	12.-18	R22	161.6962	-2.09	9.-12	P 9	161.1094	-1.76	10.-14	R17	161.1094
161.1094	-1.76	10.-14	R17	161.2761	-2.63	4.-5	P57	161.4481	-3.40	2.-1	R16	161.5588	-2.00	12.-18	P18	161.6990	-1.37	4.-4	R29	161.1116	-2.05	12.-18	Q14	161.1116
161.1116	-2.05	12.-18	Q14	161.2781	-1.54	11.-16	Q18	161.4482	-1.47	10.-14	Q18	161.5603	-3.30	2.-1	R21	161.7009	-1.76	9.-12	R15	161.1136	-2.09	4.-4	R4	161.1136
161.1136	-2.09	4.-4	R4	161.2817	-1.57	10.-14	Q14	161.4517	-1.66	12.-18	R18	161.5618	-3.17	2.-1	Q15	161.7039	-1.45	6.-7	R19	161.1157	-1.34	7.-9	R31	161.1157
161.1157	-1.34	7.-9	R31	161.2817	-1.57	11.-16	P16	161.4526	-1.75	4.-4	P14	161.5618	-1.66	4.-4	P17	161.7046	-2.08	13.-20	Q11	161.1175	-1.83	11.-16	R17	161.1175
161.1175	-1.83	11.-16	R17	161.2840	-2.02	4.-4	P 8	161.4549	-1.52	5.-6	P40	161.5633	-2.69	9.-12	P 3	161.7072	-3.05	2.-1	Q20	161.1224	-1.57	5.-6	P36	161.1224
161.1224	-1.57	5.-6	P36	161.2849	-1.47	4.-4	Q12	161.4557	-3.46	2.-1	R13	161.5634	-1.87	9.-12	O 6	161.7292	-2.08	14.-23	Q16	161.1244	-1.91	4.-4	R7	161.1244
161.1244	-1.91	4.-4	R7	161.3113	-1.56	4.-4	R18	161.4732	-1.81	6.-7	R 7	161.5780	-1.15	5.-6	Q45	161.7300	-1.59	10.-14	R26	161.1244	-3.12	12.-18	Q 1	161.1244
161.1244	-3.12	12.-18	Q 1	161.3176	-1.43	4.-4	P10	161.4737	-3.30	2.-1	R 2	161.5788	-1.31	6.-7	R 1	161.7320	-1.73	9.-12	Q13	161.1248	-3.30	12.-18	R 0	161.1248
161.1248	-3.30	12.-18	R 0	161.3188	-1.18	5.-6	Q42	161.4737	-3.30	2.-1	R 2	161.5788	-1.31	6.-7	R 1	161.7320	-1.73	9.-12	Q12	161.1252	-1.86	4.-4	R4	161.1252
161.1252	-1.86	4.-4	R4	161.3199	-2.82	4.-4	Q61	161.4786	-2.60	14.-23	P11	161.5801	-2.40	13.-20	R 9	161.7328	-1.56	4.-4	P21	161.1263	-2.56	4.-4	R 2	161.1263
161.1263	-2.56	4.-4	R 2	161.3194	-2.29	4.-4	Q61	161.4798	-2.29	6.-7	Q 1	161.5804	-2.26	13.-20	P 7	161.7361	-1.43	6.-7	R20	161.1282	-2.32	4.-4	R 2	161.1282
161.1282	-2.32	4.-4	R 2	161.3207	-1.59	4.-4	R17	161.4862	-1.87	6.-7	R 6	161.5876	-2.07	12.-18	Q20	-161.								

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
161.8316	-1.12	4-	4	Q27	162.1023	-1.43	4-	4	P28	162.4493	-2.19	8-	10	P7	-162.9815	-1.50	8-	10	R27	163.2164	-1.17	3-	2	Q13
161.8318	-1.91	9-	12	P13	162.1066	-1.73	9-	12	P19	162.4585	-1.64	8-	10	Q10	162.9830	-0.21	5-	5	Q1	-163.2199	-1.10	6-	7	R45
161.8326	-1.98	13-	20	Q14	162.1132	-1.85	13-	20	Q19	162.4633	-1.76	8-	10	R14	162.9851	-1.65	5-	5	Q2	163.2202	-1.65	5-	5	P12
161.8362	-1.54	12-	18	Q24	-162.1175	-1.45	5-	6	P47	-162.4641	-1.20	6-	7	R35	162.9865	-1.99	5-	5	Q2	163.2327	-1.17	5-	5	Q16
161.8384	-1.67	9-	12	R19	162.1180	-1.56	9-	12	R25	-162.4659	-0.97	6-	7	Q31	-162.9902	-1.16	4-	4	R49	163.2349	-1.59	8-	10	P25
161.8399	-2.19	13-	20	R16	-162.1187	-1.28	6-	7	R29	162.4685	-1.61	9-	12	P25	162.9920	-1.84	5-	5	Q3	163.2357	-1.33	5-	5	R21
161.8403	-1.33	10-	14	Q25	162.1195	-2.87	2-	1	Q30	162.4740	-2.12	8-	10	P8	162.9958	-1.61	5-	5	R10	163.2394	-1.64	3-	2	P10
-161.8446	-1.33	4-	4	R32	162.1209	-1.27	10-	14	Q29	-162.4795	-1.07	5-	6	Q54	162.9993	-1.28	8-	10	Q24	163.2398	-1.14	3-	2	Q14
161.8453	-1.37	6-	7	R23	-162.1222	-1.27	4-	4	R37	162.4809	-1.56	10-	14	P31	162.9995	-1.74	5-	5	Q4	163.2418	-1.26	3-	2	R20
161.8485	-1.47	9-	12	Q16	162.1234	-1.06	6-	7	D25	162.4827	-1.60	8-	10	O11	163.0012	-1.67	8-	10	P21	163.2420	-1.21	8-	10	Q28
161.8520	-2.97	2-	1	Q24	162.1259	-1.34	9-	12	D22	162.4830	-1.74	8-	10	R15	-163.0015	-1.24	6-	7	P35	-163.2455	-1.36	5-	6	P57
161.8539	-1.18	6-	7	Q19	162.1447	-1.83	12-	18	P26	-162.4881	-0.98	4-	4	Q38	163.0025	-0.69	5-	5	P2	-163.2486	-1.20	6-	7	P38
161.8564	-1.73	11-	16	P26	162.1448	-1.45	6-	7	P22	162.4905	-1.23	9-	12	Q28	163.0033	-1.38	5-	6	P55	163.2513	-1.13	4-	4	R52
-161.8589	-1.12	5-	6	Q48	162.1513	-3.26	2-	1	P26	162.4961	-1.34	6-	7	P28	163.0087	-1.65	5-	5	Q5	163.2527	-3.20	12-	17	R2
161.8592	-2.36	13-	20	P13	162.1534	-1.62	10-	14	P27	162.5011	-2.06	8-	10	P9	163.0157	-2.39	5-	5	P3	163.2541	-3.33	12-	17	R1
-161.8664	-1.38	5-	6	R52	-162.1589	-0.10	5-	6	Q51	162.5092	-1.57	8-	10	Q12	163.0198	-1.58	5-	5	G6	163.2554	-3.10	12-	17	R3
161.8670	-1.59	6-	7	P16	162.1612	-1.71	9-	12	P20	162.5133	-1.71	8-	10	R16	163.0225	-1.54	5-	5	R12	163.2571	-3.50	12-	17	R0
161.8672	-1.69	10-	14	P23	-162.1622	-1.04	4-	4	O33	-162.5211	-1.21	4-	4	R43	163.0277	-1.49	8-	10	R28	163.2605	-3.02	12-	17	R4
161.8717	-1.87	9-	12	P14	162.1623	-1.42	4-	4	P29	162.5304	-2.01	8-	10	P10	163.0299	-0.91	4-	4	Q45	163.2642	-1.15	5-	5	Q17
161.8721	-3.38	2-	1	P20	-162.1709	-1.36	5-	6	R55	-162.5310	-0.96	6-	7	Q32	163.0310	-1.21	5-	5	P4	163.2649	-1.11	3-	2	Q15
161.8782	-2.39	14-	23	P17	-162.1718	-1.26	6-	7	R30	-162.5321	-1.19	6-	7	R36	163.0324	-1.51	5-	5	Q7	163.2660	-1.60	3-	2	P11
161.8797	-1.65	9-	12	R20	162.1719	-1.54	9-	12	R26	162.5364	-1.59	9-	12	P26	163.0343	-0.87	6-	7	Q39	163.2663	-3.33	12-	17	Q1
161.8806	-1.50	4-	4	P24	162.1752	-1.04	6-	7	O26	162.5379	-1.53	8-	10	Q13	-163.0348	-1.26	4-	4	P41	163.2687	-2.96	12-	17	R5
161.8818	-1.11	4-	4	P24	162.1797	-1.83	13-	20	P20	-162.5410	-1.61	5-	6	P51	163.0387	-1.51	5-	5	R13	163.2688	-1.31	5-	5	R22
161.8820	-1.95	13-	20	Q15	162.1807	-1.32	9-	12	Q23	162.5444	-1.69	8-	10	R17	163.0402	-1.75	3-	2	R5	163.2690	-1.24	3-	2	R21
161.8848	-2.03	14-	23	Q18	162.1839	-1.26	4-	4	R38	-162.5602	-0.97	4-	4	Q39	163.0403	-1.82	3-	2	R4	163.2724	-3.10	12-	17	Q2
161.8859	-1.35	6-	7	R24	162.1973	-1.25	10-	14	Q30	162.5611	-1.22	9-	12	Q29	163.0414	-1.90	3-	2	R3	-163.2748	-1.43	8-	10	R32
161.8888	-1.44	9-	12	Q17	162.1983	-1.43	6-	7	P23	162.5619	-1.97	8-	10	P11	163.0422	-1.70	3-	2	R6	163.2792	-2.90	12-	17	R6
161.8897	-2.16	13-	20	R17	162.1984	-1.54	9-	12	R26	162.5634	-1.59	8-	10	P26	163.0343	-0.87	6-	7	Q39	163.2663	-3.33	12-	17	Q1
161.8906	-2.95	2-	1	Q25	162.2173	-1.69	9-	12	P21	162.5690	-1.50	8-	10	Q14	163.0454	-1.64	3-	2	R7	163.2845	-3.80	12-	17	P2
161.8937	-1.16	6-	7	Q20	-162.2191	-1.44	5-	6	P48	-162.5763	-1.33	4-	4	P35	163.0474	-1.46	5-	5	P8	163.2860	-1.58	5-	5	P14
161.8941	-1.88	12-	18	P23	162.2193	-2.19	13-	20	P19	162.5777	-1.67	8-	10	R18	163.0482	-2.09	5-	5	P5	163.2915	-1.08	3-	2	Q16
-161.8942	-2.42	4-	5	P62	-162.2241	-1.03	4-	4	O34	-162.5908	-1.07	5-	6	Q55	163.0501	-2.12	3-	2	R1	163.2919	-2.85	12-	17	Q4
161.8969	-1.31	10-	14	Q26	162.2245	-1.40	4-	4	P30	-162.5935	-1.20	4-	4	R44	163.0503	-1.60	3-	2	R8	163.2920	-0.88	4-	4	Q48
161.8983	-1.56	6-	7	P17	-162.2282	-1.25	6-	7	R31	162.5956	-1.92	8-	10	P12	-163.0511	-1.12	6-	7	R43	163.2932	-2.85	12-	17	R7
161.8987	-1.32	4-	4	R33	162.2292	-0.03	6-	7	Q27	-162.5995	-0.94	6-	7	Q33	163.0550	-1.26	8-	10	Q25	-163.2936	-1.23	4-	4	P44
161.9018	-2.33	13-	20	P14	162.2313	-1.53	9-	12	R27	-162.6013	-1.18	6-	7	R37	163.0560	-1.49	5-	5	R14	163.2943	-1.56	3-	2	P12
161.9120	-1.52	12-	18	P25	162.2316	-1.81	12-	18	P27	162.6023	-1.67	8-	10	Q15	163.0568	-2.30	3-	2	R0	163.2977	-1.12	5-	5	Q18
161.9139	-1.84	9-	12	P15	162.2317	-1.61	10-	14	P28	162.6028	-1.67	8-	10	R18	163.0570	-1.64	8-	10	P22	163.2981	-1.22	3-	2	R22
161.9142	-3.36	2-	1	P21	162.2378	-1.30	9-	12	Q24	162.6088	-1.57	9-	12	P27	163.0570	-1.56	3-	2	R9	163.2998	-3.50	12-	17	P3
-161.9172	-1.47	5-	6	P45	-162.2495	-1.25	4-	4	R39	-162.6297	-1.31	6-	7	P30	163.0642	-1.41	5-	5	Q9	163.3000	-0.84	6-	7	Q42
161.9227	-1.63	9-	12	R21	162.2538	-1.41	6-	7	P24	162.6316	-1.89	8-	10	P13	163.0654	-1.52	3-	2	R10	163.3007	-1.57	8-	10	P26
161.9237	-1.55	10-	12	R29	162.2548	-3.23	2-	1	P28	-162.6341	-0.96	4-	4	Q40	163.0667	-2.12	3-	2	Q1	-163.3014	-1.20	8-	10	Q29
161.9310	-1.42	9-	12	Q18	162.2644	-1.09	5-	6	O52	-162.6355	-1.32	4-	4	P36	163.0672	-1.99	5-	5	P6	163.3039	-1.29	6-	7	R23
161.9312	-1.34	6-	7	R25	162.2772	-1.67	9-	12	P22	162.6382	-1.45	8-	10	Q16	163.0699	-1.90	3-	2	Q2	-163.3058	-1.09	6-	7	R46
161.9328	-1.48	4-	4	P25	-162.2831	-1.24	6-	7	R32	162.6517	-1.62	8-	10	R20	163.0750	-1.75	3-	2	R3	163.3061	-2.76	12-	17	Q5
161.9336	-1.68	2-	1	Q24	-162.2838	-1.01	4-	4	O35	-162.6593	-1.19	4-	4	R45	163.0764	-1.15	4-	4	R50	163.3166	-3.33	12-	17	P4
161.9342	-1.09	4-	4	Q29	162.2885	-1.22	6-	7	R33	-162.7273	-1.28	6-	7	P32	163.1157	-1.39	3-	2	R4	163.3200	-1.05	3-	2	Q17
161.9355	-1.27	5-	6	Q49	162.3225	-2.27	8-	10	Q20	162.7276	-1.57	8-	10	R23	-163.1165	-1.25	4-	4	P42	163.3248	-2.69	11-	15	R3
161.9357	-2.37	14-	23	P18	162.3225	-1.79	12-	18	P28	-162.7091	-0.95	4-	4	Q41	163.0984	-1.43	5-	5	R16	163.3238	-3.34	11-	15	R0
161.9367	-2.29	13-	20	P15	162.3226	-2.36	8-	10	R2	162.7070	-1.42	8-												

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
-163,4168	-1.18	6- 7	P40	163,6058	-2.31	12-17	Q15	163,8376	-2.91	10-13	P 6	164,1542	-1.12	3- 2	P31	164,4950	-2,68	9-11	Q 5
163,4193	-2.48	12-17	Q10	163,6062	-2.09	7- 8	P 9	163,8383	-1.40	7- 8	Q19	164,1561	-2.32	11-15	P22	164,4961	-3,42	9-11	P 3
163,4205	-1.24	5- 5	R26	163,6065	-1.59	7- 8	Q12	163,8385	-0.81	3- 2	Q30	164,1609	-0.84	5- 5	Q35	164,5036	-1.56	7- 8	P28
163,4243	-1.42	3- 2	P16	163,6093	-0.89	3- 2	O25	163,8395	-1.29	5- 5	P26	164,1619	-2.25	10-13	R21	164,5049	-2,64	9-11	R10
163,4262	-1.15	3- 2	R26	163,6105	-1.16	6- 7	P42	163,8423	-2.05	11-15	Q19	164,1662	-2.04	10-13	Q18	164,5089	-2,60	9-11	Q 6
163,4275	-2.29	7- 8	R 3	163,6172	-2.18	11-15	Q14	163,8451	-2.42	12-17	R22	164,1732	-1.26	7- 8	Q26	164,5107	-4,66	14-21	Q 9
163,4281	-2.21	7- 8	R 4	163,6246	-1.37	5- 5	P22	163,8466	-2.47	10-13	R12	164,1757	-1.48	7- 8	R30	164,5126	-3,24	9-11	P 4
163,4287	-2.39	7- 8	R 2	163,6248	-1.30	3- 2	P21	163,8478	-1.81	7- 8	P16	164,1878	-1.15	4- 8	P53	164,5128	-1.15	5- 5	P36
163,4309	-2.14	7- 8	R 5	163,6252	-2.36	11-15	R17	163,8492	-0.90	5- 5	Q30	164,1904	-2.44	10-13	P16	164,5197	-4,82	14-21	R11
163,4322	-2.51	7- 8	R 1	163,6264	-2.60	11-15	P12	163,8553	-2.33	10-13	Q 9	164,1915	-1.65	7- 8	P23	164,5198	-0.78	5- 5	Q40
163,4330	-2.53	11-15	R11	163,6286	-1.08	3- 2	R31	163,8564	-2.44	11-15	P17	164,1965	-1.07	5- 5	R40	164,5222	-2,29	10-13	P22
163,4355	-2.63	12-17	R13	163,6310	-1.71	7- 8	R17	163,8590	-2.26	11-15	R22	164,1987	-2.10	12-17	Q25	164,5233	-5,09	14-21	P 8
163,4358	-2.09	7- 8	R 6	163,6334	-1.56	7- 8	Q13	163,8617	-2.83	10-13	P 7	164,2010	-2.46	12-17	P23	164,5236	-2,39	12-17	P27
163,4359	-2.94	11-15	P 6	163,6337	-0.97	5- 5	Q26	163,8653	-2.19	12-17	Q20	164,2033	-1.94	11-15	Q25	164,5249	-2,60	9-11	R11
163,4378	-2.69	7- 8	R 0	163,6343	-2.50	12-17	R18	163,8658	-2.57	12-17	P18	164,2103	-2.23	10-13	R22	164,5250	-2,54	9-11	Q 7
163,4378	-2.41	11-15	Q 8	163,6346	-2.03	7- 8	P10	163,8703	-1.17	4- 4	P50	164,2127	-1.11	3- 2	P32	164,5313	-3,12	9-11	P 5
163,4391	-1.53	8-10	P28	163,6513	-2.69	12-17	P14	163,8708	-0.83	4- 4	Q54	164,2131	-2.02	10-13	Q19	164,5429	-1,18	7- 8	Q32
-163,4398	-1.17	8-10	Q31	163,6521	-2.28	12-17	Q16	163,8714	-2.44	10-13	R13	164,2179	-1.10	6- 7	P48	164,5434	-2,49	9-11	Q 8
163,4401	-1.46	5- 5	P18	163,6534	-1.69	7- 8	R18	163,8721	-1.12	5- 5	R35	164,2211	-1.20	5- 5	P32	164,5460	-2,57	9-11	R12
163,4426	-2.03	7- 8	R 7	163,6538	-0.87	3- 2	P26	163,8765	-2.10	3- 2	P26	164,2241	-2.30	11-15	P23	164,5465	-4,61	14-21	Q10
163,4474	-2.51	7- 8	Q 1	163,6564	-2.15	11-15	Q15	163,8767	-1.57	7- 8	R24	164,2267	-0.83	5- 5	Q36	164,5496	-1,90	10-13	Q25
163,4485	-2.90	12-17	P 9	163,6587	-1.17	5- 5	R31	163,8793	-1.38	7- 8	Q20	164,2324	-1.25	7- 8	Q27	164,5523	-3,02	9-11	P 6
163,4504	-1.04	5- 5	O22	163,6611	-1.49	8-10	P30	163,8799	-2.29	10-13	Q10	164,2332	-1.47	7- 8	R31	164,5560	-1,41	7- 8	R36
163,4505	-0.96	3- 2	O21	163,6619	-0.80	6- 7	Q46	163,8884	-2.77	10-13	P 8	164,2394	-2.41	10-13	P17	164,5570	-4,79	14-21	R12
163,4514	-2.29	7- 8	Q 2	163,6624	-1.53	7- 8	Q14	163,8891	-0.78	7- 8	P17	164,2500	-1.63	7- 8	P24	164,5605	-5,03	14-21	P 9
163,4516	-2.44	12-17	Q11	163,6640	-1.13	8-10	Q34	163,8928	-0.80	3- 2	Q31	164,2610	-2.21	10-13	R23	164,5609	-1,54	7- 8	P29
163,4517	-1.99	7- 8	R 8	163,6641	-2.56	11-15	P13	163,8957	-2.03	11-15	Q20	164,2628	-2.00	10-13	Q20	164,5640	-2,44	9-11	Q 9
163,4552	-2.36	11-15	Q 9	163,6648	-1.99	7- 8	P11	163,8981	-1.28	5- 5	P27	164,2669	-1.06	5- 5	R41	164,5686	-2,54	9-11	R13
163,4576	-2.14	7- 8	Q 3	163,6664	-2.34	11-15	R18	163,8993	-2.41	10-13	R14	164,2749	-2.08	12-17	Q26	164,5695	-1,02	5- 5	R45
163,4591	-2.50	11-15	R12	163,6693	-0.84	4- 4	P52	163,9042	-1.13	6- 7	P45	164,2767	-2.44	12-17	P24	164,5757	-2,94	9-11	P 7
163,4609	-1.39	3- 2	P17	163,6697	-1.19	4- 4	P48	163,9062	-2.40	12-17	R23	164,2775	-1.09	3- 2	P33	164,5853	-2,27	10-13	P23
163,4627	-2.86	11-15	P 7	163,6702	-1.28	3- 2	P22	163,9070	-2.25	10-13	Q11	164,2798	-1.23	7- 8	D28	164,5859	-4,57	14-21	Q11
163,4627	-1.95	7- 8	R 9	163,6755	-1.35	5- 5	P23	163,9091	-1.45	8-10	P34	164,2908	-2.38	10-13	P18	164,5870	-2,60	9-11	Q10
163,4638	-1.23	5- 5	R27	163,6821	-2.48	12-17	R19	163,9094	-0.89	5- 5	P31	164,2929	-1.46	7- 8	R32	164,5883	-1,13	5- 5	P37
163,4643	-1.14	3- 2	R27	163,6843	-0.95	5- 5	Q27	163,9105	-2.41	11-15	P18	164,2945	-1.14	4- 4	P54	164,5944	-2,51	9-11	R14
163,4659	-2.03	7- 8	Q 4	163,6867	-1.67	7- 8	R19	163,9139	-2.24	11-15	R23	164,2948	-0.81	5- 5	Q37	164,5978	-4,76	14-21	R13
163,4666	-2.99	7- 8	P 2	163,6940	-1.50	7- 8	Q15	163,9169	-1.18	3- 2	P27	164,2951	-2.28	11-15	P24	164,5983	-0.77	5- 5	Q41
163,4686	-2.60	12-17	R14	163,6972	-1.95	7- 8	P12	163,9174	-2.71	10-13	P 9	164,2956	-1.18	5- 5	P33	164,6014	-2,87	9-11	P 8
163,4719	-0.82	6- 7	Q44	163,6989	-2.12	11-15	Q16	163,9226	-1.56	7- 8	R25	164,3011	-1.61	7- 8	P25	164,6014	-4,98	14-21	P10
163,4758	-0.86	4- 4	O50	163,7008	-2.26	12-17	Q17	163,9233	-1.36	5- 5	P24	164,3144	-2.20	10-13	R24	164,6100	-2,36	9-11	Q11
163,4758	-1.91	7- 8	R10	163,7009	-2.66	12-17	P15	163,9260	-2.17	12-17	R21	164,3150	-1.98	10-13	Q21	164,6125	-1.89	10-13	Q26
163,4762	-1.95	7- 8	Q 5	163,7012	-0.86	3- 2	Q27	163,9272	-2.55	12-17	P19	164,3392	-1.05	5- 5	R42	164,6136	-1.16	7- 8	Q33
-163,4774	-1.21	4- 4	P46	163,7074	-1.16	5- 5	R32	163,9294	-2.38	10-13	R15	164,3438	-5.46	14-21	R1	164,6248	-2.49	9-11	R15
163,4803	-2.69	7- 8	P 3	163,7088	-2.53	11-15	P14	163,9333	-1.11	5- 5	R36	164,3449	-2.36	10-13	P19	164,6274	-1.40	7- 8	R37
163,4831	-2.32	11-15	Q10	163,7100	-1.15	6- 7	P43	163,9364	-2.21	10-13	Q12	164,3453	-5.63	14-21	R 0	164,6286	-4.54	14-21	Q12
163,4832	-2.85	12-17	P10	163,7105	-2.32	11-15	R19	163,9365	-1.76	7- 8	P18	164,3454	-5.33	14-21	R 2	164,6294	-2.82	9-11	N 9
163,4832	-1.43	5- 5	P19	163,7174	-1.26	3- 2	P23	163,9475	-0.79	3- 2	Q32	164,3455	-1.22	7- 8	Q29	164,6359	-1.53	7- 8	P30
163,4864	-2.80	11-15	P 8	163,7204	-1.47	7- 8	Q16	163,9492	-2.66	10-13	P10	164,3505	-5.24	14-21	R 3	164,6395	-2.32	9-11	Q12
163,4871	-2.47	11-15	R13	163,7210	-1.65	7- 8	R20	163,9519	-2.01	11-15	Q21	164,3544	-5.46	14-21	G 1	164,6426	-4.73	14-21	R14
163,4876	-0.94	3- 2	Q22	163,7282	-1.33	5- 5	P24	163,9586	-1.26	5- 5	P28	164,3563	-2.42	12-17	P25	164,6661	-2.46	9-11	R16
163,4886	-1.88	7- 8	Q 6	163,7311	-3.01	10-13	R 2	163,9620	-2.36	10-13	R16	164,3592	-5.16	14-21	R 4	164,6512	-1.01	5- 5	R46
163,4888	-2.40	12-17	Q12	163,7315	-2.91	10-13	R 5	163,9735	-1.17	4- 4	P51	164,3691	-1.59	7- 8	P26	164,6801	-2.44	9-11	R17
163,4910	-1.88	7- 8	R11	163,7317	-1.91	7- 8	P13	163,9747	-1.17	3- 2	P28	164,3714	-5.09	14-21	R 5	164,6810	-1.87	10-13	Q27
163,4933	-1.02	5- 5	Q23	163,7328	-3.14	10-13	R 1	163,9831	-2.61	10-13	R17	164,3725	-5.93	14-21	P 2	164,6824	-1.15	7- 8	Q34
163,4960	-2.51	7- 8	P 4	163,7335	-2.46	12-17	R20	163,9864	-1.34	7- 8	P22	164,3678	-2.18	10-					

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ																																																																																																																																																																																
-164,8387	-1.10	5 - 5	P40	165,0584	-2.16	6 - 6	P10	165,3859	-0.98	2 - 0	R15	165,6529	-0.59	2 - 0	Q20	165,9047	-3.24	13-18	R 9	-164,8413	-1.61	4 - 3	Q5	165,0604	-1.65	6 - 6	Q14	165,3869	-1.04	5 - 5	P46	165,6575	-1.36	6 - 6	Q28	165,9059	-3.65	15-23	R 2																																																																																																																																																																	
164,8420	-1.51	4 - 3	R12	165,0613	-4.70	14-21	P18	165,3898	-0.98	2 - 0	R17	165,6736	-0.75	2 - 0	R27	165,9061	-3.68	13-18	P 5	164,8459	-2.57	9-11	P15	165,0631	-1.27	4 - 3	R22	165,3916	-1.35	4 - 3	P21	165,6768	-2.82	8 - 9	R17	165,9103	-3.77	15-23	Q 1																																																																																																																																																																	
-164,8477	-0.74	5 - 5	Q44	165,0762	-1.79	6 - 6	R19	165,3927	-2.34	9-11	P25	165,6786	-3.15	8 - 9	P10	165,9124	-0.89	2 - 0	P22	164,8492	-2.21	6 - 6	R 6	165,0762	-2.27	9-11	R26	165,3977	-0.69	5 - 5	Q50	165,6799	-2.67	8 - 9	Q13	165,9131	-3.19	12-16	Q 10																																																																																																																																																																	
164,8508	-0.35	4 - 3	P 3	165,0805	-1.11	4 - 3	Q17	165,3988	-1.61	2 - 0	P 5	165,6851	-1.03	2 - 0	P16	165,9135	-3.67	12-16	P 8	164,8516	-1.54	4 - 3	Q 6	165,0813	-1.57	4 - 3	P13	165,4015	-0.93	2 - 0	R17	165,6860	-0.57	2 - 0	Q21	165,9164	-3.11	13-18	Q 7																																																																																																																																																																	
164,8522	-0.15	9-11	Q18	165,0884	-2.44	9-11	P20	165,4030	-1.44	6 - 6	Q23	165,6865	-0.92	5 - 5	R57	165,9170	-3.55	15-23	R 3	164,8525	-2.41	6 - 6	R 3	165,0886	-0.97	5 - 5	R51	165,4050	-0.93	2 - 0	Q 9	165,6913	-1.01	5 - 5	P49	165,9189	-3.55	15-23	G 2																																																																																																																																																																	
-164,8532	-2.34	6 - 6	R 4	165,0888	-2.11	6 - 6	P11	165,4174	-1.51	2 - 0	P 6	165,6916	-1.57	6 - 6	R33	165,9196	-0.64	5 - 5	Q55	164,8545	-0.51	6 - 6	R 2	165,0950	-1.26	4 - 3	R23	165,4228	-0.89	2 - 0	Q10	165,6978	-1.73	6 - 6	P25	165,9205	-3.34	12-16	R 13																																																																																																																																																																	
164,8548	-2.27	6 - 6	R 5	165,0969	-2.05	9-11	C23	165,4231	-0.91	2 - 0	K18	165,6988	-1.24	4 - 3	P27	165,9217	-3.47	15-23	R 4	164,8563	-1.48	4 - 3	R13	165,0970	-1.62	6 - 6	Q15	165,4259	-0.93	4 - 3	Q26	165,7042	-0.66	5 - 5	P53	165,9271	-0.47	2 - 0	Q27																																																																																																																																																																	
164,8579	-0.63	14-21	R18	165,1028	-1.07	5 - 5	P43	165,4270	-1.64	6 - 6	R28	165,7080	-2.80	8 - 9	R18	165,9286	-0.25	15-23	P 2	164,8587	-2.64	6 - 6	R 1	165,1035	-4.32	14-21	P20	165,4330	-1.83	6 - 6	P20	165,7098	-3.10	8 - 9	P11	165,9287	-3.21	13-18	R 10																																																																																																																																																																	
164,8615	-0.79	14-21	P15	165,1073	-1.77	6 - 6	R20	165,4376	-1.43	2 - 0	P 7	165,7102	-2.64	8 - 9	Q14	165,9324	-3.59	13-18	P 6	164,8618	-2.16	6 - 6	R 7	165,1078	-1.44	7 - 8	P36	165,4383	-1.33	4 - 3	P22	165,7116	-0.73	2 - 0	R28	164,8623	-1.48	7 - 8	P33	165,1116	-1.09	4 - 3	Q18	165,4441	-0.85	2 - 0	Q11	165,7148	-1.34	6 - 6	Q29	165,9371	-2.49	8 - 9	Q20																																																																																																																																																	
164,8638	-1.48	4 - 3	Q 7	165,1139	-1.54	4 - 3	P14	165,4453	-0.89	2 - 0	R19	165,7207	-0.55	2 - 0	Q22	165,9392	-1.18	4 - 3	P31	164,8646	-2.81	6 - 6	R 0	165,1140	-0.71	5 - 5	Q47	165,4497	-1.42	6 - 6	Q24	165,7268	-1.00	2 - 0	P17	165,9408	-3.05	13-18	Q 8																																																																																																																																																																	
164,8659	-0.18	4 - 3	P 4	165,1214	-2.07	6 - 6	P12	165,4534	-0.78	2 - 0	Q13	165,7406	-0.98	2 - 0	P18	165,9409	-1.52	6 - 6	R37	164,8673	-2.20	10-13	P27	165,1223	-1.59	6 - 6	P16	165,4604	-1.36	2 - 0	P 8	165,7415	-2.78	8 - 9	R19	165,9423	-2.69	8 - 9	R24																																																																																																																																																																	
164,8705	-2.11	6 - 6	R 8	165,1286	-1.24	4 - 3	R24	165,4609	-2.32	9-11	P26	165,7425	-2.61	8 - 9	Q15	165,9434	-2.90	8 - 9	P17	164,8721	-1.45	4 - 3	R14	165,1354	-0.48	14-21	P19	165,4664	-3.40	9 - 9	R3	165,7434	-3.06	8 - 9	P12	164,8745	-2.64	6 - 6	O 1	165,1402	-1.75	6 - 6	R21	165,4675	-3.32	8 - 9	R 4	165,7489	-3.92	12-16	R 2	164,8767	-0.34	9-11	R22	165,1447	-2.42	9-11	P21	165,4677	-3.50	8 - 9	R 2	165,7496	-4.04	12-16	R 1	164,8776	-1.42	4 - 3	Q 8	165,1448	-1.06	4 - 3	P15	165,4685	-0.87	2 - 0	R20	165,7504	-3.82	12-16	R 3	164,8812	-2.07	6 - 6	R 9	165,1527	-2.03	9-11	P24	165,4709	-0.81	2 - 0	Q12	165,7536	-4.22	12-16	R 0	165,9528	-3.31	12-16	R 14																																																																																																	
164,8831	-2.05	4 - 3	P 5	165,1564	-2.00	6 - 6	P14	165,4709	-3.63	8 - 9	R 1	165,7548	-3.74	12-16	R 4	165,9536	-3.29	15-23	Q 4	164,8842	-2.27	6 - 6	Q 3	165,1570	-2.03	6 - 6	P13	165,4737	-0.91	4 - 3	Q27	165,7568	-1.22	4 - 3	P28	165,9554	-3.17	13-18	R 11	164,8885	-1.97	6 - 6	R 12	165,1609	-1.57	6 - 6	Q17	165,4757	-1.62	6 - 6	R29	165,7569	-1.72	6 - 6	P26	165,9582	-0.87	2 - 0	P23	164,8899	-2.54	9-11	P16	165,1754	-1.73	6 - 6	R22	165,4763	-3.80	8 - 9	R 0	165,7622	-3.67	12-16	R 5	164,8920	-2.16	6 - 6	O 4	165,1796	-1.04	4 - 3	P20	165,4767	-0.93	5 - 5	R55	165,7630	-4.04	12-16	Q 1	165,9627	-0.45	2 - 0	Q28																																																																																																									
164,8933	-1.38	4 - 3	Q 9	165,1818	-0.96	5 - 5	R52	165,4808	-0.75	2 - 0	Q14	165,7684	-3.82	12-16	Q 2	165,9657	-3.34	15-23	R 5	164,8940	-2.03	6 - 6	R10	165,1844	-1.48	4 - 3	P16	165,4822	-1.81	6 - 6	P21	165,7702	-1.33	6 - 6	Q30	165,9674	-3.21	15-23	Q 5	164,8942	-3.11	6 - 6	P 2	165,1847	-1.43	7 - 8	P37	165,4834	-3.15	8 - 9	R 7	165,7723	-3.61	12-16	R 6	165,9676	-3.01	13-18	Q 9	164,8968	-2.13	9-11	Q19	165,1951	-1.06	5 - 5	P44	165,4856	-1.03	5 - 5	P47	165,7750	-2.58	8 - 9	Q16	165,9699	-3.77	15-23	P 4	164,8973	-4.39	14-21	O17	165,1974	-1.55	6 - 6	O18	165,4860	-3.63	8 - 9	Q 1	165,7772	-3.67	12-16	Q 3	164,8974	-1.96	4 - 3	P 6	165,2016	-1.21	4 - 3	R26	165,4861	-1.30	2 - 0	P 9	165,7773	-2.76	8 - 9	R20	165,9798	-3.56	12-16	P 10																																																																																					
164,9026	-2.07	6 - 6	O 5	165,2030	-2.40	9-11	P22	165,4868	-1.31	4 - 3	P23	165,7790	-3.02	8 - 9	P13	165,9826	-2.47	8 - 9	Q21	164,9077	-0.98	5 - 5	R49	165,2030	-0.70	5 - 5	Q48	165,4904	-3.40	8 - 9	Q 2	165,7818	-4.52	12-16	P 2	165,9860	-3.14	13-18	R 12	164,9081	-2.81	6 - 6	P 3	165,2067	-1.97	6 - 6	P15	165,4930	-1.81	6 - 6	P21	165,7837	-3.10	8 - 9	R 8	165,9880	-3.29	12-16	R 15	164,9093	-1.40	4 - 3	R16	165,2112	-2.01	9-11	Q25	165,4932	-0.85	2 - 0	R21	165,7851	-3.56	12-16	R 6	165,9891	-3.17	13-18	R 11	164,9098	-2.00	6 - 6	R 11	165,2122	-1.72	6 - 6	R23	165,4977	-3.20	8 - 9	R 6	165,7859	-3.56	12-16	R 4	164,9108	-1.33	4 - 3	O10	165,2133	-4.66	14-21	P20	165,4975	-0.68	5 - 5	Q51	165,7916	-0.91	5 - 5	R58	165,9911	-3.44	13-18	P 8	164,9141	-1.11	7 - 8	Q37	165,2162	-1.02	4 - 3	P21	165,4987	-1.41	6 - 6	Q25	165,7951	-0.52	2 - 0	Q24	165,9917	-3.29	15-23	R 7																																																																	
164,9141	-2.00	6 - 6	D 6	165,2224	-1.65	4 - 3	P17	165,5046	-3.06	8 - 9	R 9	165,7966	-1.00	5 - 5	P50	165,9986	-2.47	8 - 9	Q21	164,9184	-1.94	6 - 6	D 7	165,2348	-1.52	6 - 6	Q19	165,5055	-3.15	8 - 9	Q 4	165,7967	-4.22	12-16	P 3	164,9199	-1.94	6 - 6	R 13	165,2405	-1.19	4 - 3	R27	165,5056	-4.10	8 - 9	P 2	165,8008	-3.52	12-16	R 8	165,9989	-3.65	15-23	P 5	164,9213	-0.61	14-21	R19	165,2513	-1.70	6 - 6	R24	165,5074	-0.72	2 - 0	Q15	165,8018	-3.48	12-16	Q 5	164,9332	-0.73	5 - 5	O45	165,2818	-1.18	4 - 3	R28	165,5268	-0.90	4 - 3	Q28	165,8175	-1.70	6 - 6	P27	166,0192	-3.11	13-18	R 13	164,9405	-2.51	9-11	P17	165,2833	-1.42	7 - 8	P38	165,5291	-2.99	8 - 9	Q 6	165,8187	-3.40	12-16	O 6	166,0213	-3.25	15-23	R 8	164,9408	-1.88	6 - 6	D 8	165,2908	-1.05	5 - 5	P45	165,5311	-2.30	9-11	P17	165,8190	-3.48	12-16	R 9	164,9414	-2.51	6 - 6	P 5	165,2920	-1.68	6 - 6	R25	165,5321	-1.79	6 - 6	Q26	165,8221	-3.59	13-18	R 3	164,9415	-1.47	7 - 8	P34	165,2948	-0.98	4 - 3	P23	165,5341	-0.69	2 - 0	Q16	165,8236	-3.81	13-18	R 1	164,9434	-2.11	9-11	O20	165,2952	-4.63	14-21	P21	165,5347	-2.99	8 - 9	R 11	165,8237	-3.68	13-18	R 2	166,0290	-1.27	6 - 6	Q34	164,9443	-1.81	4 - 3	P 8	165,2959	-1.91	6 - 6	P17	165,5361	-3.63	8 - 9	P 4	165,8260	-0.93	2 - 0	P20	166,0295	-0.64	5 - 5	M56	164,9454</td

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	
166.1007	-3.28	13-18	P11		166.3515	-3.10	14-20	R5		166.6158	-3.21	11-14	P18	-166.7792	-2.63	9	P31	166.9791	-1.73	3-1 R 8
166.1025	-3.96	11-14	P 4		166.3565	-3.29	12-16	P18		166.6166	-2.54	5-4	R 8	-166.8027	-1.41	6-6	R48	166.9803	-2.35	14-20 Q19
166.1025	-3.32	11-14	Q 6		166.3568	-3.10	14-20	R 3		166.6176	-3.23	5-4	R 0	-166.8032	-2.64	14-20	R18	166.9819	-2.90	13-18 P25
166.1030	-3.40	15-23	P 8		166.3571	-0.96	5-5	P55	-166.6187	-0.60	5-5	Q61	166.8036	-2.21	5-4	R19	166.9831	-5.25	7-7 Q12	
166.1037	-2.97	15-23	Q 9		166.3575	-3.14	11-14	R18		166.6216	-1.55	6-6	P38	166.8064	-5.95	7-7	R 3	166.9848	-2.43	3-1 R 0
166.1042	-0.81	22-0	P26		166.3580	-2.95	11-14	Q15		166.6241	-2.94	14-20	P11	166.8066	-5.87	7-7	R 4	166.9855	-1.69	3-1 R 9
166.1074	-2.85	13-18	Q13		166.3588	-3.94	14-20	P 2		166.6248	-2.49	5-4	R 9	166.8067	-2.87	10-12	R14	-166.9869	-1.40	6-6 R50
166.1105	-3.22	12-16	R18		166.3606	-3.02	15-23	R15		166.6258	-1.43	6-6	R46	166.8084	-6.04	7-7	R 2	166.9890	-5.74	7-7 P 9
166.1132	-3.36	11-14	R10		166.3641	-2.35	8-9	Q28		166.6278	-3.06	5-4	Q 1	166.8086	-5.80	7-7	R 5	166.9892	-2.54	13-18 Q27
166.1203	-3.26	11-14	Q 7		166.3658	-3.04	14-20	R 6		166.6317	-2.29	8-9	Q32	166.8087	-3.23	10-12	P8	166.9901	-5.37	7-7 R17
166.1220	-3.84	11-14	P 5		166.3683	-3.17	15-23	P13		166.6318	-2.84	5-4	Q 2	166.8103	-2.58	5-4	P10	166.9910	-2.56	10-12 Q16
-166.1261	-0.97	5-5	P53		166.3688	-2.78	15-23	Q14		166.6345	-2.46	5-4	R10	166.8124	-0.17	7-7	R 1	166.9934	-1.66	3-1 R 10
-166.1295	-0.89	5-5	R61		166.3700	-2.99	14-20	C4		166.6373	-2.69	5-4	Q 3	166.8126	-5.74	7-7	R 6	166.9935	-3.08	11-14 P24
166.1326	-2.41	8-9	Q24		166.3735	-3.12	12-16	R23		166.6414	-1.18	6-6	G42	166.8167	-1.16	6-6	Q44	166.9952	-2.26	3-1 Q 1
166.1350	-3.32	11-14	R11		166.3738	-3.36	11-14	P13		166.6435	-2.51	14-20	Q13	166.8170	-2.07	5-4	Q14	166.9986	-2.10	5-4 R25
166.1375	-3.03	13-18	R16		166.3746	-3.64	14-20	P 3		166.6448	-2.58	5-4	R 4	166.8183	-0.35	7-7	R 0	166.9988	-2.04	3-1 Q 2
166.1389	-3.00	12-16	Q16		166.3751	-0.61	5-5	Q59		166.6455	-2.42	5-4	R11	166.8186	-2.94	13-18	P23	-166.9990	-1.14	6-6 Q46
166.1391	-3.13	15-23	R11		166.3775	-1.58	6-6	P35		166.6464	-2.80	11-14	Q21	166.8186	-5.69	7-7	R 7	167.0029	-1.62	3-1 R 11
166.1409	-3.21	11-14	Q 8		166.3779	-2.72	8-9	P25		166.6473	-2.71	14-20	R15	166.8223	-0.72	10-12	Q11	167.0048	-1.89	3-1 Q 3
166.1424	-2.63	8-9	R28		166.3787	-1.46	6-6	R43		166.6482	-3.54	5-4	P 2	166.8250	-2.58	13-18	Q25	167.0075	-1.92	5-4 Q20
166.1429	-2.80	8-9	P21		166.3817	-2.57	8-9	R32		166.6489	-3.38	10-12	R 3	166.8263	-2.75	11-14	Q24	167.0079	-2.36	5-4 P16
-166.1432	-0.63	5-5	Q57		166.3835	-2.99	14-20	R 7		166.6490	-3.48	10-12	R 2	166.8265	-5.65	7-7	R 8	167.0093	-5.21	7-7 Q13
166.1434	-3.24	13-18	P12		166.3872	-2.90	14-20	Q 5		166.6491	-2.66	8-9	P29	166.8283	-6.17	7-7	Q 1	167.0123	-1.78	3-1 Q 4
166.1444	-3.74	11-14	P 6		166.3940	-3.47	14-20	P 4		166.6513	-3.30	10-12	R 12	166.8306	-2.80	14-20	P15	167.0140	-1.59	3-1 K12
166.1454	-3.40	12-16	P14		166.3958	-1.22	6-6	D39		166.6515	-3.60	10-12	R 1	166.8313	-2.19	5-5	R20	167.0161	-2.73	3-1 P 2
166.1473	-3.34	15-23	P 9		166.3966	-2.92	13-18	R21		166.6523	-3.02	11-14	R24	166.8325	-5.95	7-7	Q 2	167.0170	-5.69	7-7 P10
166.1478	-2.92	15-23	Q10		166.3994	-2.92	11-14	Q16		166.6540	-2.49	5-4	Q 5	166.8346	-2.98	11-14	R27	167.0170	-2.74	10-12 K20
-166.1497	-1.49	6-6	R40		166.4006	-3.12	11-14	R19		166.6559	-3.23	10-12	R 5	166.8355	-2.85	10-12	R15	167.0186	-5.35	7-7 R18
166.1499	-2.82	13-18	Q14		166.4035	-3.08	13-18	P17		166.6565	-3.78	10-12	R 0	166.8367	-5.60	7-7	R 9	167.0187	-2.96	10-12 P14
-166.1521	-1.62	6-6	P32		166.4045	-2.94	14-20	R 8		166.6595	-2.39	5-4	R12	166.8373	-3.14	12-16	P25	167.0211	-1.69	3-1 Q 5
166.1567	-0.79	2-0	P27		166.4051	-2.88	12-16	O21		166.6610	-2.85	13-18	R25	166.8373	-3.18	10-12	P9	167.0218	-2.71	14-20 P18
166.1573	-3.19	12-16	R19		166.4073	-2.83	14-20	O 6		166.6624	-3.23	5-4	P3	166.8383	-5.80	7-7	Q 3	167.0265	-1.56	3-1 R13
166.1589	-3.29	11-14	R12		166.4086	-2.69	13-18	Q19		166.6630	-3.18	10-12	R 6	166.8389	-2.54	5-4	P11	167.0301	-2.43	3-1 P 3
166.1642	-3.16	11-14	Q 9		166.4164	-2.92	12-16	P19		166.6638	-3.04	15-23	P17	166.8440	-2.99	15-23	P19	167.0310	-2.70	11-14 Q27
166.1693	-3.66	11-14	P 7		166.4164	-3.34	14-20	P 5		166.6649	-2.42	5-4	P 6	166.8445	-2.04	5-4	Q15	167.0317	-1.62	3-1 Q 6
-166.1695	-1.25	6-6	O36		166.4169	-3.32	11-14	P14		166.6662	-3.60	10-12	O 1	166.8465	-5.69	7-7	Q 4	167.0322	-2.53	10-12 Q17
166.1829	-3.01	13-18	R17		166.4266	-2.32	8-9	Q29		166.6673	-2.98	13-18	P21	-166.8465	-0.93	5-5	P59	167.0374	-5.18	7-7 Q14
166.1855	-3.26	11-14	R13		166.4281	-2.99	15-23	R16		166.6691	-2.68	15-23	O18	166.8483	-6.65	7-7	P 2	167.0377	-2.09	5-4 K26
166.1864	-2.97	12-16	P17		166.4289	-2.90	14-20	R9		166.6706	-2.90	14-20	P12	166.8488	-5.57	7-7	R 10	167.0404	-2.58	8-9 P34
166.1871	-2.40	8-9	Q25		166.4308	-2.77	14-20	O 7		166.6709	-3.38	10-12	O 12	166.8511	-2.68	10-12	Q12	167.0406	-1.53	3-1 R14
166.1875	-3.10	15-23	R12		166.4351	-3.13	15-23	P14		166.6719	-3.18	11-14	P19	166.8539	-2.40	14-20	Q17	167.0436	-1.56	3-1 Q 7
166.1889	-3.21	21-14	P13		166.4365	-2.76	15-23	O15		166.6725	-2.61	13-18	Q23	166.8557	-5.60	7-7	Q 5	167.0454	-1.90	5-4 Q21
166.1901	-3.12	11-14	Q10		166.4423	-2.70	8-9	P26		166.6726	-3.12	10-12	R 7	166.8573	-3.12	11-14	P22	167.0466	-2.26	3-1 P 4
166.1940	-3.37	12-16	P15		166.4429	-3.24	14-20	P 6		166.6743	-2.36	5-4	R13	166.8611	-2.17	5-4	R21	167.0469	-2.33	5-4 P17
166.1953	-3.29	15-23	P10		166.4434	-2.89	11-14	O17		166.6775	-2.36	5-4	Q7	166.8624	-2.62	14-20	R19	167.0473	-5.65	7-7 P11
166.1956	-2.79	13-18	O15		166.4455	-3.10	11-14	R20		166.6781	-3.06	5-4	P 4	166.8625	-6.35	7-7	P 3	167.0490	-2.33	14-20 Q20
166.1961	-2.85	23-11	O11		166.4567	-2.86	12-16	O22		166.6781	-3.23	10-12	O 3	166.8628	-5.53	7-7	R 11	167.0491	-5.32	7-7 R19
166.1967	-3.59	11-14	P 8		166.4569	-1.57	6-6	P36		166.6844	-3.08	10-12	R 8	166.8669	-2.82	10-12	R16	167.0565	-1.50	3-1 R 8
166.1983	-2.78	8-9	P22		166.4570	-2.90	13-18	R22		166.6851	-3.17	12-16	P23	166.8687	-5.53	7-7	Q 6	167.0578	-1.50	3-1 Q 8
-166.1988	-2.61	8-9	R29		166.4578	-2.71	14-20	G 8		166.6856	-4.08	10-12	P 2	166.8690	-3.12	10-12	P10	167.0607	-2.72	10-12 K21
166.2067	-3.17	12-16	R20		166.4595	-1.45	6-6	R44		166.6877	-3.12	10-12	O 4	166.8690	-2.49	5-4	P12	167.0622	-2.93	10-12 P15
166.2141	-0.78	2-0	P28		166.4627	-3.29	11-14	P15		166.6909	-2.48	14-20	O 14	-166.8770	-2.61	8-9	P32	167.0663	-3.06	11-14 P25
166.2147	-3.23	11-14	R14		166.4649	-3.05	13-18	P18		166.6916	-2.33	5-4	R14	-166.8770	-2.61	8-9	P32	167.0677	-5.15	7-7 Q15
-166.2243	-1.48	8-9	P24		166.4677	-2.86	12-16	O22		166.6923	-2.30	5-4	P 8	166.8785	-6.17	7-7	P 4	167.0677	-5.15	7-7 R15
-166.2251	-1.61	6-6	P31		166.4678	-2.67														

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	
167.1880	-5.50	7- 7	P15	167.5403	-2.12	5- 4	P24	-167.9041	-1.41	6- 6	P51	-168.4121	-4.99	7- 7	R43	168.6248	-2.10	12-15	R14	-167.1910	-1.13	6- 6	Q48	167.5564	-2.96
167.1915	-5.25	7- 7	R23	167.5637	-1.43	3- 1	P21	167.9048	-2.12	9-10	P16	-168.4141	-2.14	9-10	R30	168.6292	-2.25	6- 5	G11	167.1971	-1.24	3- 1	Q15	167.5652	-2.72
167.2047	-2.66	10-12	R24	167.5682	-5.30	7- 7	P23	-167.9217	-1.89	5- 4	R42	168.4338	-2.71	12-15	R2	168.6404	-2.77	6- 5	P8	167.2048	-1.73	3- 1	P11	167.5728	-1.01
167.2075	-2.85	10-12	P18	167.5752	-2.34	10-12	Q27	167.9316	-2.63	10-12	P29	168.4345	-2.61	12-15	R3	168.6432	-5.08	7- 7	P38	167.2091	-5.06	7- 7	Q19	167.5754	-1.44
167.2121	-1.35	3- 1	R22	-167.5785	-5.13	7- 7	R31	167.9417	-2.53	9-10	P14	168.4387	-3.01	12-15	R1	168.6440	-1.81	5- 4	R51	-167.2128	-2.03	5- 4	R30	167.5804	-2.94
167.2165	-1.83	5- 4	Q25	167.5813	-3.04	9-10	R3	167.9417	-5.20	7- 7	P29	168.4393	-2.53	12-15	R4	168.6460	-2.28	13-17	P13	167.2196	-3.02	11-14	P27	167.5817	-2.86
167.2214	-2.45	10-12	Q21	167.5845	-3.16	9-10	R4	167.9450	-2.28	9-10	R21	168.4476	-2.46	12-15	R5	168.6518	-2.21	6- 5	Q12	167.2221	-2.23	5- 4	P21	167.5852	-2.80
167.2234	-1.22	3- 1	Q16	167.5872	-1.72	5- 4	Q32	167.9681	-1.29	3- 1	P29	168.4522	-1.90	9-10	Q27	168.6592	-2.23	9-10	P27	167.2284	-5.47	7- 7	P16	167.5901	-3.34
167.2325	-5.23	7- 7	R24	167.5909	-2.74	9-10	R6	-167.9793	-1.65	5- 4	R38	168.4526	-2.40	12-15	R6	168.6657	-2.71	6- 5	P9	167.2334	-1.69	3- 1	P12	167.5912	-4.91
167.2366	-0.90	5- 5	P62	167.5920	-1.94	5- 4	R37	167.9894	-2.26	9-10	R10	168.4542	-2.61	12-15	Q2	168.6666	-2.31	6- 5	P18	167.2412	-1.34	3- 1	R23	167.5990	-2.69
167.2452	-2.64	14-20	P21	167.5999	-2.10	5- 4	P29	-167.9985	-2.02	5- 4	R43	168.4629	-2.46	12-15	Q3	168.6704	-4.96	7- 7	R46	167.2497	-5.03	7- 7	Q20	167.6000	-3.16
167.2511	-1.19	3- 1	Q17	-167.6039	-1.09	6- 6	Q52	168.0138	-2.62	10-12	P30	168.4660	-2.18	13-17	R13	168.6819	-4.72	7- 7	Q62	167.2528	-2.85	13-18	P28	167.6043	-2.94
167.2578	-2.65	11-14	O30	167.6085	-1.41	3- 1	P22	-168.0187	-1.41	6- 6	P52	168.4678	-1.83	5- 4	R49	168.6931	-2.66	6- 5	P10	167.2594	-2.65	10-12	R25	167.6093	-2.64
167.2605	-2.82	10-12	P19	167.6113	-2.80	9-10	Q3	168.0199	-2.05	9-10	Q19	168.4749	-5.10	7- 7	P36	168.6941	-2.29	6- 5	R19	-167.2616	-2.02	5- 4	P31	167.6180	-0.99
167.2639	-1.66	3- 1	P13	167.6199	-3.64	9-10	P2	168.0343	-2.24	9-10	P16	168.4766	-2.12	9-10	R31	168.6949	-2.05	12-15	R16	167.2640	-1.81	5- 4	O26	167.6201	-2.69
167.2671	-1.47	6- 6	P45	167.6220	-2.60	9-10	R9	-168.0491	-5.04	7- 7	R38	168.4768	-3.31	12-15	P2	168.6925	-1.88	12-15	Q13	167.2703	-2.21	5- 4	P22	167.6252	-5.28
167.2708	-5.44	7- 7	P17	167.6313	-2.60	9-10	P5	168.0491	-1.27	3- 1	P30	168.4734	-2.35	12-15	Q4	168.6939	-2.25	13-17	P14	167.2726	-1.32	3- 1	R24	167.6326	-2.70
167.2749	-2.43	10-12	Q22	-167.6340	-5.11	7- 7	R32	168.0494	-2.46	9-10	P16	168.4803	-2.31	12-15	R8	168.7022	-2.31	12-15	P11	167.2784	-5.21	7- 7	R25	167.6341	-3.34
167.2804	-1.17	3- 1	O18	167.6369	-2.56	9-10	R10	-168.0819	-5.17	7- 7	P31	168.4855	-2.71	6- 5	R4	168.7025	-2.15	6- 5	Q14	-167.2825	-1.37	6- 6	R53	167.6447	-2.53
167.2922	-5.01	7- 7	Q21	167.6480	-2.32	10-12	Q28	168.0854	-1.26	5- 4	P35	168.4871	-2.27	12-15	Q5	168.7221	-2.61	6- 5	P11	167.2933	-1.12	6- 6	O49	167.6487	-1.71
167.2958	-1.62	3- 1	P14	167.6495	-4.89	7- 7	Q28	-168.1088	-0.79	7- 7	R39	168.4903	-3.13	6- 5	R1	168.7233	-2.27	6- 5	R20	167.3002	-3.01	11-14	P28	167.6509	-3.16
167.3099	-1.30	3- 1	R25	167.6540	-2.53	9-10	R11	168.1196	-2.41	9-10	P18	168.4970	-3.31	6- 5	R2	168.7252	-3.52	4- 2	R8	167.3115	-1.14	3- 1	Q19	167.6542	-1.93
167.3125	-2.00	5- 4	R32	167.6548	-1.39	3- 1	P23	168.1313	-2.21	9-10	R25	168.4971	-2.27	12-15	Q5	168.7221	-2.61	6- 5	P11	167.3133	-1.79	5- 4	Q27	167.6603	-2.46
167.3142	-2.63	10-12	R26	167.6612	-2.09	5- 4	P29	168.0954	-1.26	3- 1	P31	168.4902	-2.66	6- 5	R7	168.7229	-3.92	4- 2	R2	167.3151	-5.42	7- 7	P18	167.6644	-3.81
167.3167	-2.80	10-12	P20	167.6657	-3.04	9-10	P5	168.0978	-5.03	9-10	Q20	168.4834	-3.01	12-15	P3	168.7170	-3.74	4- 2	R4	167.3200	-5.20	7- 7	R26	167.6736	-2.69
167.3207	-2.19	5- 4	P23	167.6783	-2.41	9-10	P8	168.1708	-2.39	9-10	P19	168.4979	-2.27	12-15	R9	168.7283	-0.04	4- 2	R1	167.3292	-1.59	3- 1	P15	167.6828	-1.43
167.3310	-2.41	10-12	Q23	167.6840	-5.27	7- 7	P25	-168.1821	-4.78	7- 7	R36	168.4998	-2.16	13-17	R14	168.7306	-2.12	6- 5	Q15	167.3311	-1.79	5- 4	Q27	167.6863	-2.46
167.3361	-2.19	3- 1	R26	167.6908	-2.94	9-10	P6	168.1836	-2.19	9-10	K26	168.5165	-2.77	6- 5	R3	168.7394	-3.44	4- 2	R10	167.3362	-1.78	5- 4	Q28	167.7023	-2.68
167.3389	-4.99	7- 7	Q22	-167.6948	-5.10	7- 7	R33	-168.2036	-1.62	9-10	Q21	168.4969	-2.61	6- 5	R8	168.7474	-1.91	5- 4	P43	167.3398	-1.10	3- 1	O21	167.7215	-2.44
167.3441	-1.12	3- 1	Q20	167.6957	-2.66	9-10	R13	168.2174	-1.97	9-10	Q23	168.5202	-2.41	13-17	P10	168.7451	-2.21	9-10	P28	167.3441	-1.12	3- 1	Q20	167.7215	-2.44
167.3462	-5.39	7- 7	P19	167.6986	-2.36	9-10	Q9	-168.2213	-1.85	5- 4	R46	168.5216	-1.89	9-10	Q28	168.7462	-4.04	4- 2	R8	167.3462	-1.78	5- 4	Q28	167.7023	-2.68
167.3481	-1.56	3- 1	P16	167.7032	-1.37	3- 1	P24	168.2246	-2.36	9-10	P20	168.5000	-5.01	6- 6	P56	168.7307	-1.85	12-15	Q14	167.3481	-5.18	7- 7	R27	167.7045	-0.96
167.3582	-1.46	6- 6	P46	167.7093	-1.08	6- 6	Q53	-168.2468	-2.18	9-10	R27	168.5239	-1.96	13-17	R17	168.7546	-3.67	4- 2	Q3	-167.3582	-2.40	7- 7	P27	167.7142	-1.86
167.3720	-0.90	5- 5	P63	167.7115	-1.70	5- 5	Q34	-168.2523	-1.39	6- 6	P54	168.5242	-2.66	6- 5	Q4	168.7546	-2.25	6- 5	R21	167.3720	-2.17	3- 11	P29	167.7247	-0.90
167.3727	-0.27	3- 1	R27	167.7141	-2.86	9-10	P7	-168.2551	-5.01	7- 7	R32	168.5242	-2.57	6- 5	R9	168.7539	-5.07	7- 7	P39	167.7256	-2.19				
167.3734	-2.17	5- 4	P24	167.7153	-4.88	7- 7	Q29	-168.2602	-6.77	7- 7	R37	168.5280	-3.61	6- 5	P2	168.7608	-3.57	4- 2	R12	167.3743	-2.78	10-12	Q29	167.7256	-2.19
167.3749	-2.62	10-12	R27	-167.7205	-1.92	5- 4	P26	-168.2218	-1.98	5- 4	R37	168.5220	-2.71	12-15	P5	168.7489	-3.41	4- 2	R11	167.3778	-1.78	5- 4	Q33	167.7215	-2.44
167.3781	-1.10	3- 1	Q21	167.7215	-2.44	9-10	Q10	-168.2820	-1.61	5- 4	Q42	168.5377	-2.13	13-17	R15	168.7673	-4.52	4- 2	P2	167.3781	-1.10	3- 1	Q21	167.7215	-2.44
167.3832	-2.99	11-14	P29	167.7247	-2.07	5- 5	P30	168.2823	-2.34	9-10	R1	168.5386	-2.19	12-15	R11	168.7697	-3.48	4- 2	P5	167.3832	-4.97	7- 7	Q23	167.7247	-2.07
167.3837	-4.97	7- 7	Q23	167.7397	-2.80	9-10	P8	168.2830	-2.66	13-17	R3	168.5420	-2.46	6- 5	R11	168.7708	-1.82	13-17	R20	-167.3855	-1.37	6- 6	R54	167.7409	-2.61
167.3894	-2.39	10-12	Q24	167.7453	-5.25	7- 7	P26	168.2880	-2.58	13-17	R4	168.5447	-2.50	6- 5	Q6	168.7765	-2.01	12-15	R18	-167.3930	-1.11	6- 6	Q50	167.7460	-2.28
167.4010	-1.53	3- 1	P17	167.7533	-1.35	3- 1	P25	168.2951	-2.88	13-17	O1	168.5467	-2.08	12-15	P8	168.7797	-3.41	4- 2	P3	167.4016	-1.26	3- 1	R28	167.7587	-5.09
167.4101	-5.37	7- 7	P20	167.7605</td																					

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ					
168.8427	-3.24	2	R 17	169.0122	-1.93	13-17	R 24	169.2518	-2.83	4	2	O 24	169.5122	-2.23	15-21	R 12	169.8700	-1.93	10-11	R 12				
168.8447	-2.94	8	R 0	169.0128	-3.44	4	2	P 13	169.2526	-1.72	11-13	O 15	169.5145	-1.98	11-13	P 18	169.8704	-1.82	8	P 27				
168.8471	-2.28	8	R 7	169.0133	-5.03	7	7	P 42	169.2531	-1.65	8	8	O 19	169.5184	-3.14	4	2	P 25	169.8714	-1.85	10-11	Q 8		
168.8522	-1.77	13-17	Q 19	169.0163	-1.70	12-15	Q 20	169.2535	-3.01	4	2	R 30	169.5193	-2.48	15-21	P 9	169.8824	-2.38	10-11	P 6				
168.8536	-3.74	4	2	P 7	169.0170	-1.84	8	8	Q 12	169.2536	-1.65	13-17	P 25	169.5204	-2.02	6	5	R 37	169.8867	-1.84	11-13	P 24		
168.8549	-2.76	8	8	Q 1	169.0200	-2.34	8	8	P 9	169.2609	-2.02	13-17	P 23	169.5261	-2.73	4	2	O 30	169.8875	-2.06	15-21	R 19		
168.8554	-2.16	13-17	P 17	169.0205	-2.03	11-13	Q 7	169.2633	-1.62	12-15	Q 24	169.5261	-1.98	7	7	P 47	169.8925	-1.80	10-11	Q 9				
168.8555	-3.16	4	2	O 11	169.0234	-2.36	6	5	P 19	169.2687	-2.06	8	8	P 16	169.5266	-1.79	11-13	R 24	169.8928	-1.90	10-11	R 13		
168.8560	-2.24	8	8	R 8	169.0245	-2.60	11-13	P 5	169.2733	-1.85	6	5	Q 28	169.5327	-1.75	8	8	R 29	169.8964	-2.20	15-21	P 16		
-168.8566	-4.70	7	7	Q 44	169.0254	-1.94	6	5	Q 23	169.2738	-1.51	5	4	Q 53	169.5342	-1.57	11-13	Q 21	169.9012	-1.67	8	R 35		
168.8576	-2.46	6	5	P 15	169.0279	-2.09	11-13	R 11	169.2741	-2.25	6	5	P 24	169.5379	-1.53	8	8	P 25	169.9021	-1.44	8	8	Q 31	
168.8590	-2.54	8	8	Q 2	169.0279	-2.13	6	5	R 28	169.2751	-2.13	11-13	P 13	169.5441	-2.02	15-21	Q 11	169.9067	-2.30	10-11	P 7			
168.8600	-2.20	6	5	R 24	169.0291	-1.91	12-15	R 23	169.2763	-3.24	4	2	P 20	169.5543	-2.20	15-21	R 13	169.9090	-1.47	11-13	Q 27			
168.8604	-1.76	12-15	Q 17	169.0326	-2.95	4	2	Q 18	169.2779	-2.07	6	5	R 33	169.5617	-2.43	15-21	P 10	169.9142	-1.72	6	5	Q 38		
168.8628	-2.02	6	5	Q 19	169.0357	-1.96	8	8	R 17	169.2828	-1.88	11-13	R 19	169.5642	-1.92	8	8	P 22	169.9160	-1.76	10-11	O 10		
168.8643	-3.22	4	2	R 18	169.0360	-2.08	12-15	P 18	169.2831	-1.82	8	8	R 24	169.5682	-1.78	6	5	Q 33	169.9188	-1.87	10-11	R 14		
168.8653	-2.39	8	8	Q 3	169.0386	-1.71	13-17	Q 22	169.2890	-1.99	12-15	P 22	169.5701	-1.95	11-13	P 19	169.9204	-3.03	4	2	P 32			
168.8668	-2.20	8	8	R 9	169.0390	-3.10	4	2	R 24	169.2931	-1.69	11-13	Q 16	169.5742	-2.16	6	5	P 29	169.9241	-2.09	6	5	P 34	
168.8693	-1.97	12-15	R 15	169.0406	-1.98	11-13	Q 8	169.2937	-2.90	15-21	R 1	169.5783	-3.12	4	2	P 26	169.9328	-1.81	15-21	O 18				
-168.8716	-1.81	9-10	Q 33	169.0429	-2.15	9-10	P 32	169.2948	-2.81	4	2	Q 25	169.5809	-1.78	11-13	R 25	169.9333	-2.23	10-11	P 8				
168.8738	-2.28	8	8	Q 4	169.0444	-1.81	8	8	Q 13	169.2949	-1.63	8	8	P 20	169.5811	-1.72	4	2	Q 31	169.9394	-1.72	10-11	Q 11	
168.8752	-3.24	8	8	P 2	169.0452	-2.08	13-17	P 20	169.2952	-2.78	15-21	R 2	169.5856	-1.73	8	8	R 30	169.9415	-1.81	8	8	P 28		
168.8755	-3.12	4	2	Q 12	169.0454	-3.41	4	2	P 14	169.2954	-3.08	15-21	R 0	169.5865	-1.91	12-15	P 26	169.9428	-1.96	6	5	R 43		
168.8761	-2.16	12-15	P 15	169.0470	-2.51	11-13	P 6	169.2983	-3.00	4	2	R 31	169.5873	-2.01	6	5	R 38	169.9497	-1.85	10-11	R 15			
168.8762	-3.67	4	2	P 8	169.0493	-2.28	8	8	P 10	169.3004	-2.68	15-21	R 3	169.5882	-1.98	15-21	Q 12	169.9520	-1.80	5	4	P 55		
168.8798	-2.16	8	8	R 10	169.0503	-4.68	7	7	O 46	169.3009	-1.85	5	4	P 49	169.5981	-1.55	11-13	Q 22	169.9584	-1.83	11-13	P 25		
-168.8817	-2.18	9-10	P 30	169.0509	-2.06	11-13	R 12	169.3015	-2.11	9-10	P 35	169.5934	-1.95	13-17	P 27	169.9622	-2.17	10-11	P 9					
168.8842	-2.20	8	8	O 5	169.0577	-1.94	8	8	R 18	169.3049	-2.90	15-21	Q 1	169.5944	-1.51	8	8	Q 26	169.9652	-2.18	15-21	P 17		
168.8851	-1.98	13-17	R 22	169.0583	-3.09	4	2	R 25	169.3092	-2.60	15-21	R 4	169.6003	-2.18	15-21	R 14	169.9697	-1.68	10-11	O 12				
168.8876	-3.20	4	2	R 19	169.0635	-1.93	11-13	C 9	169.3128	-2.68	15-21	Q 2	169.6083	-2.38	15-21	P 11	169.9708	-1.82	10-11	R 16				
168.8895	-2.94	8	8	P 3	169.0648	-2.93	4	2	O 19	169.3131	-2.03	8	8	P 17	169.6166	-1.83	5	4	P 52	169.9711	-1.66	8	8	R 36
-168.8902	-1.54	5	4	Q 49	169.0648	-2.33	6	5	P 20	169.3134	-5.00	7	7	P 45	169.6188	-3.10	4	2	P 27	169.9711	-1.43	8	8	Q 32
168.8950	-2.12	8	8	R 11	169.0710	-1.92	6	5	Q 24	169.3179	-2.09	11-13	P 14	169.6215	-1.90	8	8	P 23	169.9865	-3.01	4	2	P 33	
168.8961	-2.43	6	5	P 16	169.0720	-2.43	11-13	P 7	169.3208	-3.22	4	2	P 21	169.6282	-1.93	11-13	P 20	169.9901	-1.71	6	5	Q 39		
168.8969	-2.12	8	8	Q 6	169.0740	-1.78	8	8	Q 14	169.3216	-2.54	15-21	R 5	169.6340	-4.97	7	7	P 48	169.9933	-2.12	10-11	P 10		
168.8975	-3.09	4	2	Q 13	169.0740	-1.67	12-15	Q 21	169.3237	-2.54	15-21	O 3	169.6346	-1.77	6	5	Q 34	169.9939	-2.08	6	5	R 45		
168.8991	-2.18	6	5	R 25	169.0760	-2.03	11-13	R 13	169.3240	-3.38	15-21	P 2	169.6361	-1.95	15-21	O 13	169.9996	-1.79	8	8	P 29			
168.9001	-3.62	4	2	P 9	169.0764	-2.12	6	5	R 29	169.3263	-1.84	11-13	R 20	169.6365	-2.71	4	2	Q 32	170.0011	-1.65	10-11	Q 13		
168.9006	-2.00	6	5	O 20	169.0796	-3.37	4	2	P 15	169.3279	-1.84	6	5	P 29	169.6393	-2.15	6	5	P 30	170.0038	-1.79	15-21	Q 19	
168.9059	-2.76	8	8	P 4	169.0804	-2.24	8	8	P 11	169.3296	-1.81	8	8	R 25	169.6411	-1.76	11-13	R 26	170.0053	-1.80	10-11	R 17		
168.9090	-1.89	5	4	P 45	169.0808	-1.93	13-17	R 25	169.3301	-2.23	6	5	P 25	169.6439	-1.72	8	8	R 31	170.0196	-1.95	6	5	R 44	
168.9097	-1.74	12-15	Q 18	169.0809	-1.52	5	4	O 51	169.3319	-1.64	13-17	R 24	169.6484	-1.53	11-13	Q 23	170.0270	-2.08	10-11	P 11				
168.9108	-1.75	13-17	Q 20	169.0879	-1.89	12-15	R 24	169.3320	-1.60	12-15	Q 25	169.6499	-2.15	15-21	R 15	170.0330	-1.81	11-13	P 26					
168.9117	-2.06	8	8	Q 7	169.0886	-1.88	11-13	O 10	169.3361	-1.66	11-13	O 17	169.6526	-2.00	6	5	R 39	170.0340	-1.62	10-11	G 14			
168.9123	-2.09	8	8	R 12	169.0895	-1.87	5	4	P 47	169.3378	-2.48	15-21	R 6	169.6549	-1.50	8	8	Q 27	170.0380	-2.15	15-21	P 18		
168.9128	-3.18	4	2	R 20	169.0914	-1.92	8	8	R 19	169.3384	-2.43	15-21	R 7	169.6782	-1.88	4	2	P 28	170.0435	-1.65	8	8	R 37	
168.9152	-2.13	13-17	P 18	169.0951	-2.05	12-15	P 19	169.3388	-2.05	6	5	P 34	169.6779	-3.09	4	2	P 24	169.7078	-1.78	10-11	R 19			
-168.9165	-5.04	7	7	P 41	169.0961	-3.07	4	2	R 26	169.3389	-2.00	13-17	P 24	169.6815	-1.88	8	8	R 26	170.0783	-1.76	10-11	R 19		
168.9197	-1.95	12-15	R 21	169.0987	-2.91	4	2	Q 20	169.3398	-1.60	8	8	P 21	169.6878	-1.92	12-15	P 14	170.0605	-2.04	10-11	P 12			
168.9211	-3.06	4	2	Q 14	169.0996	-2.36	11-13	P 8	169.3399	-2.80	4	2	P 26	169.6891	-1.91	11-13	P 21	170.0678	-1.70	6	5	Q 40		
168.9246	-2.64	8	8	P 5	169.1043	-2.00	11-13	R 14	169.3413	-3.08	15-21	P 3	169.7026	-1.48	8	8	P 28	170.0701	-1.59	10-11	Q 15			
168.9257	-3.57	4	2	P 10	169.1062	-1.75	8	8	O 15	169.3567	-2.34	15-21	P 5	169.7030	-1.76	6</td								

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
170,4372	-2.44	7	-6	R 1	170,7395	-1.67	8	-8	P 38	170,9760	-2.30	14	-18	O 4	171,1684	-2.37	18	-23	R 12	171,3385	-1.49	5	-3	P 25
170,4378	-1.96	7	-6	R 7	170,7447	-1.37	7	-6	D 17	170,9762	-2.96	9	-9	P 2	171,1690	-1.79	13	-16	O 12	171,3392	-1.82	9	-9	P 15
-170,4411	-1.90	6	-5	R 49	170,7449	-1.81	7	-6	P 14	170,9812	-1.66	7	-6	P 19	-171,1724	-1.94	6	-5	P 48	171,3400	-1.76	3	-0	P 6
170,4436	-2.62	7	-6	R 0	170,7469	-1.84	7	-6	P 13	170,9814	-2.30	14	-18	R 7	171,1743	-2.23	13	-16	P 10	171,3423	-1.14	3	-0	Q 10
170,4463	-1.92	7	-6	R 8	170,7473	-1.70	10	-11	P 25	170,9845	-2.88	13	-16	P 3	171,1746	-2.05	14	-18	R 14	171,3425	-2.18	12	-14	P 6
170,4541	-2.44	7	-6	Q 1	170,7500	-1.54	7	-6	R 22	170,9849	-1.88	9	-9	R 10	171,1750	-1.66	9	-9	R 18	171,3445	-2.29	12	-14	Q 3
170,4568	-1.88	7	-6	R 9	170,7525	-1.51	5	-3	R 21	170,9859	-2.18	13	-16	R 8	171,1764	-1.95	13	-16	R 15	171,3453	-2.07	13	-16	P 14
170,4581	-2.22	7	-6	Q 2	170,7533	-1.38	5	-3	Q 15	170,9865	-1.92	9	-9	O 5	171,1788	-2.15	16	-23	Q 11	171,3477	-2.28	16	-23	R 15
170,4623	-1.77	7	-6	R 12	170,7573	-1.87	5	-3	P 11	170,9875	-1.21	5	-3	Q 22	171,1790	-2.56	16	-23	P 10	171,3492	-1.86	13	-16	R 19
170,4640	-2.07	7	-6	Q 3	170,7616	-1.62	6	-5	Q 48	170,9879	-2.95	14	-18	P 3	171,1841	-1.50	9	-9	Q 14	171,3509	-3.14	12	-14	P 2
170,4694	-1.84	7	-6	R 10	170,7721	-1.98	6	-5	P 44	170,9891	-2.14	13	-16	O 5	171,1842	-1.55	5	-3	P 22	171,3525	-1.14	3	-0	R 19
170,4719	-1.96	7	-6	O 4	170,7815	-1.35	5	-3	D 16	170,9909	-1.25	7	-6	Q 23	171,1856	-2.30	14	-18	P 10	171,3543	-1.95	14	-18	R 18
170,4750	-2.92	7	-6	P 2	170,7819	-1.35	7	-6	Q 18	170,9910	-2.66	9	-9	P 3	171,1865	-1.58	7	-6	P 23	171,3547	-2.18	12	-14	Q 4
-170,4756	-1.71	8	-8	P 35	170,7825	-1.49	5	-3	R 22	170,9936	-2.21	14	-18	Q 5	171,1877	-1.96	9	-9	P 11	171,3563	-2.14	12	-14	R 8
170,4827	-1.88	7	-6	O 5	170,7866	-1.83	5	-3	P 12	170,9966	-2.52	16	-23	R 8	171,1901	-1.88	14	-18	O 12	171,3580	-2.05	16	-23	O 14
170,4852	-1.81	7	-6	R 11	170,7870	-1.52	7	-6	R 23	170,9990	-2.82	16	-23	P 6	-171,1940	-1.18	7	-6	Q 27	171,3588	-2.44	16	-23	P 13
-170,4876	-1.65	6	-5	Q 45	170,7971	-1.77	6	-5	P 15	170,9991	-2.25	14	-18	R 8	171,2062	-1.75	13	-16	R 12	171,3609	-1.69	3	-0	P 7
170,4895	-2.62	7	-6	P 3	170,8114	-1.32	5	-3	Q 17	170,9995	-1.85	9	-9	Q 6	171,2089	-1.64	9	-9	R 19	-171,3614	-1.52	7	-6	P 26
170,4926	-1.78	10	-11	P 21	170,8143	-1.47	5	-3	R 23	171,0009	-1.85	9	-9	R 11	171,2093	-1.13	5	-3	Q 27	171,3629	-1.08	5	-3	Q 30
170,4935	-1.74	7	-6	R 13	170,8166	-1.87	6	-5	R 53	171,0010	-1.39	5	-3	R 28	171,2125	-2.18	13	-16	P 11	171,3639	-1.13	7	-6	Q 30
170,4941	-1.39	10	-11	Q 24	170,8174	-1.68	10	-11	P 26	-171,0033	-1.44	7	-6	R 28	-171,2127	-1.39	7	-6	R 32	171,3640	-1.10	3	-0	O 11
170,4944	-1.81	7	-6	O 6	170,8185	-1.79	5	-3	P 13	171,0034	-2.71	13	-16	P 4	171,2142	-1.62	3	-0	R 9	171,3667	-1.56	9	-9	K 23
-170,4951	-2.01	6	-5	P 41	170,8199	-1.33	7	-6	Q 19	171,0039	-1.64	5	-3	P 18	171,2150	-2.02	14	-18	R 15	171,3667	-2.83	12	-14	P 3
170,4983	-1.74	7	-6	Q 7	170,8264	-1.50	7	-6	R 24	171,0043	-2.14	13	-16	R 9	171,2152	-1.93	13	-16	R 16	171,3678	-2.09	12	-14	Q 5
170,5058	-2.44	7	-6	P 4	170,8328	-1.66	8	-8	P 39	171,0062	-2.34	16	-23	Q 7	171,2171	-1.47	9	-9	Q 15	171,3689	-2.14	14	-18	P 14
170,5157	-2.02	5	-3	R 5	170,8429	-1.30	5	-3	O 18	171,0064	-2.07	13	-16	O 6	171,2183	-1.62	3	-0	R 5	171,3713	-1.37	9	-9	Q 19
170,5160	-2.09	5	-3	R 4	170,8446	-1.74	7	-6	P 16	171,0074	-2.78	14	-18	P 4	171,2194	-1.69	3	-0	R 4	171,3714	-1.03	3	-0	O 13
170,5174	-1.96	5	-3	R 6	170,8479	-1.45	5	-3	R 24	171,0081	-2.48	9	-9	P 4	171,2200	-1.56	3	-0	R 6	171,3722	-1.74	14	-18	Q 16
170,5180	-2.17	5	-3	R 3	170,8521	-1.75	5	-3	P 14	171,0128	-2.14	14	-18	O 8	171,2219	-1.76	3	-0	R 3	171,3728	-2.09	12	-14	R 9
170,5200	-1.71	7	-6	R 14	170,8591	-1.61	6	-5	Q 49	171,0150	-1.79	9	-9	Q 7	171,2223	-1.92	9	-9	P 12	171,3758	-1.12	3	-0	R 20
170,5207	-1.91	5	-3	R 7	170,8598	-1.31	7	-6	O 20	-171,0167	-1.85	6	-5	R 55	171,2232	-2.34	16	-23	R 13	171,3800	-1.57	6	-5	P 54
170,5214	-2.27	5	-3	R 2	170,8672	-1.49	7	-6	R 25	171,0191	-1.82	9	-9	R 12	171,2247	-1.51	3	-0	R 7	171,3826	-1.79	9	-9	P 16
170,5214	-1.69	7	-6	Q 8	170,8698	-1.97	6	-5	P 45	171,0205	-2.21	14	-18	R 9	171,2253	-1.38	3	-0	R 10	171,3836	-2.02	12	-14	Q 6
170,5242	-2.32	7	-6	P 5	170,8719	-3.04	16	-23	R 1	171,0245	-2.58	13	-16	P 6	171,2263	-1.88	3	-0	R 2	171,3848	-1.64	13	-16	Q 17
170,5259	-1.87	5	-3	R 8	170,8726	-3.21	16	-23	P 0	171,0251	-2.65	14	-18	P 5	171,2267	-2.25	14	-18	P 11	171,3846	-1.62	3	-0	P 8
170,5271	-2.39	5	-3	R 1	170,8765	-1.28	5	-3	O 19	171,0254	-2.11	13	-16	R 10	-171,2292	-1.85	6	-5	R 57	171,3847	-2.66	12	-14	P 4
-170,5305	-1.89	6	-5	R 50	170,8774	-2.91	16	-23	R 2	171,0264	-2.01	13	-16	O 7	171,2312	-1.82	14	-18	O 13	171,3857	-1.92	6	-5	P 50
170,5330	-1.83	5	-3	R 9	170,8822	-3.04	16	-23	D 1	171,0270	-2.36	9	-9	P 5	171,2323	-1.99	3	-0	R 1	171,3915	-1.07	3	-0	Q 12
170,5340	-2.57	5	-3	R 0	170,8831	-1.44	5	-3	R 25	171,0282	-2.10	5	-3	C 23	171,2337	-2.12	16	-23	R 12	171,3916	-2.06	12	-14	R 10
170,5409	-1.64	7	-6	Q 9	170,8875	-1.72	5	-3	P 15	171,0297	-1.64	7	-6	P 20	171,2338	-1.53	5	-3	P 23	171,3916	-1.35	7	-6	R 35
170,5412	-1.79	5	-3	R 11	170,8914	-3.52	16	-23	R 4	171,0413	-2.74	16	-23	P 7	171,2483	-1.62	3	-0	R 20	171,4002	-2.89	15	-20	R 1
170,5525	-1.76	10	-11	P 22	170,8915	-1.29	7	-6	Q 21	171,0421	-1.38	5	-3	R 29	171,2464	-1.72	13	-16	O 14	171,4008	-2.77	15	-20	R 2
170,5534	-2.02	5	-3	Q 3	170,8962	-2.67	16	-23	O 3	171,0426	-2.28	16	-23	Q 8	171,2466	-1.32	3	-0	R 12	171,4018	-1.96	12	-14	Q 7
-170,5559	-1.69	5	-3	O 25	170,8994	-1.66	10	-11	P 27	171,0347	-2.08	14	-18	Q 7	171,2355	-1.35	3	-0	R 11	171,3994	-1.00	3	-0	Q 14
170,5559	-2.22	7	-6	P 6	170,8991	-2.82	16	-23	O 2	171,0384	-2.13	7	-6	O 24	171,2402	-2.16	3	-0	R 0	171,3997	-1.10	3	-0	R 21
170,5584	-2.17	5	-3	Q 2	170,8993	-2.74	16	-23	R 4	171,0396	-1.79	9	-9	R 13	171,2429	-1.56	7	-6	P 24	171,3997	-1.84	13	-16	R 20
170,5585	-1.75	5	-3	R 11	170,9014	-3.52	16	-23	R 4	171,0413	-2.74	16	-23	P 7	171,2450	-1.62	9	-9	R 20	171,4002	-2.89	15	-20	R 1
170,5626	-1.60	7	-6	Q 10	170,9165	-2.67	16	-23	R 5	171,0486	-2.49	13	-16	P 6	171,2536	-2.14	13	-16	R 12	171,4080	-1.93	14	-18	R 19
170,5637	-1.72	5	-3	R 12	170,9199	-3.21	16	-23	R 3	171,0493	-1.95	13	-16	Q 8	171,2544	-1.76	3	-0	Q 2	171,4113	-1.56	3	-0	P 9
170,5660	-2.87	5	-3	P 2	170,9208	-1.42	5	-3	R 26	171,0500	-2.07	13	-16	R 11	171,2									

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ				
171.4902	-1.59	13-16	Q19	171.7097	-2.02	12-14	P14	172.0521	-1.53	Q26	172.4092	-1.38	12-14	Q28	172.6552	-1.22	6-	4	Q16				
171.4925	-2.77	15-20	P 5	171.7156	-1.21	3-	0	P19	172.0566	-2.21	11-12	R 6	172.4105	-2.04	6-	4	O 2	172.6567	-1.70	6-	4	P12	
-171.4929	-1.11	7-	6	Q32	171.7165	-0.77	3-	0	Q24	172.0585	-1.80	13-16	P25	172.4143	-1.77	11-12	R20	172.6606	-1.58	11-12	R25		
171.4944	-1.93	12-14	R14	171.7170	-1.55	6-	5	Q57	172.0607	-1.46	12-14	Q23	172.4159	-1.82	14-18	P28	172.6617	-1.97	8-	7	P10		
-171.4959	-1.91	6-	5	P51	171.7217	-1.89	5-	6	P53	172.0621	-2.64	11-12	Q 1	172.4160	-1.90	6-	4	O 3	172.6644	-1.36	6-	4	R22
171.4961	-2.24	16-23	R17	171.7231	-1.84	14-18	R24	172.0624	-1.69	12-14	R26	172.4185	-1.63	6-	4	R11	172.6758	-1.86	11-12	P19			
171.5019	-2.00	16-23	Q16	171.7257	-1.94	15-20	O13	172.0661	-2.16	11-12	R 7	172.4223	-1.33	7-	6	P40	172.6783	-1.46	8-	7	Q14		
171.5022	-1.77	12-14	Q11	171.7266	-2.14	15-20	R15	172.0668	-2.42	11-12	Q 2	172.4236	-1.79	6-	4	O 4	172.6785	-1.19	7-	6	R51		
171.5026	-2.37	16-23	P15	171.7281	-1.24	9-	9	Q26	172.0732	-1.78	15-20	Q19	172.4270	-2.00	11-12	P14	172.6819	-1.60	8-	7	R19		
171.5026	-2.33	15-20	R 9	171.7293	-1.79	12-14	R20	172.0742	-2.27	11-12	O 3	172.4279	-0.97	7-	6	O44	172.6846	-1.66	11-12	Q22			
171.5042	-1.98	13-16	P17	171.7318	-1.46	9-	9	R30	172.0753	-1.53	6-	5	O60	172.4280	-2.74	6-	4	P 2	172.6884	-1.20	6-	4	Q17
171.5064	-2.19	15-20	O 7	171.7329	-1.30	7-	6	R40	172.0770	-1.37	7-	6	P36	172.4323	-1.60	6-	4	R12	172.6889	-1.66	6-	4	P13
171.5089	-1.51	9-	9	R26	171.7330	-1.59	12-14	O17	172.0778	-2.12	11-12	R 8	172.4330	-1.70	6-	4	O 5	172.6929	-1.92	8-	7	P11	
171.5095	-1.44	5-	3	P28	171.7383	-1.98	14-18	P20	172.0778	-1.87	6-	5	P56	172.4364	-1.57	11-12	O17	172.6971	-1.35	6-	4	R23	
171.5098	-1.38	3-	0	P13	171.7391	-1.51	13-16	O23	172.0789	-1.53	9-	9	P28	172.4416	-2.15	8-	7	R 4	172.7032	-1.69	12-14	P29	
171.5103	-1.80	13-16	R22	171.7409	-1.60	14-18	Q22	172.0810	-1.01	7-	6	Q40	172.4418	-2.23	8-	7	R 3	172.7052	-1.30	7-	6	P43	
171.5104	-0.90	3-	0	Q18	171.7409	-1.62	9-	9	P23	172.0826	-3.12	11-12	P 2	172.4429	-2.44	6-	4	P 3	172.7091	-1.43	8-	7	Q15
171.5107	-1.31	9-	9	Q22	171.7555	-2.28	16-23	P18	172.0841	-2.16	11-12	G 4	172.4432	-2.08	8-	7	R 5	172.7097	-0.94	7-	6	Q47	
171.5135	-2.23	12-14	P 9	171.7559	-2.33	15-20	P12	172.0922	-2.07	11-12	R 9	172.4441	-1.63	6-	4	O 6	172.7145	-1.58	8-	7	R20		
171.5139	-1.03	3-	0	R25	171.7567	-0.76	3-	0	O25	172.0963	-1.05	3-	0	P27	172.4442	-2.32	8-	7	R 2	172.7163	-1.67	11-12	R26
171.5139	-1.03	3-	0	R25	171.7567	-0.76	3-	0	O25	172.0965	-2.07	11-12	Q 5	172.4468	-2.02	8-	7	R 6	172.7179	-1.83	6-	5	P61
-171.5200	-2.67	15-20	P 6	171.7569	-1.99	12-14	P15	172.0973	-1.83	12-14	P21	172.4469	-1.57	6-	4	R13	172.7194	-1.18	6-	4	O18		
-171.5219	-1.33	7-	6	R37	171.7570	-1.88	13-16	P21	172.0973	-1.83	12-14	P21	172.4487	-2.45	8-	7	R 1	172.7243	-1.63	6-	4	P14	
171.5242	-1.89	14-18	R21	171.7589	-1.18	3-	0	P20	172.0976	-2.81	11-12	P 3	172.4525	-1.97	8-	7	R 7	172.7260	-1.88	8-	7	P12	
171.5261	-1.71	9-	9	P19	171.7656	-1.43	7-	6	P32	172.1040	-2.04	11-12	R10	172.4551	-2.62	8-	7	R 0	172.7324	-1.33	6-	4	R24
171.5268	-1.90	12-14	R15	171.7659	-1.06	7-	6	O36	172.1111	-2.00	11-12	O 6	172.4551	-2.62	8-	7	R 0	172.7324	-1.33	6-	4	R24	
171.5311	-2.29	15-20	R10	171.7747	-1.90	15-20	O14	172.1152	-2.64	11-12	P 18	172.4557	-1.74	12-14	P26	172.7336	-1.84	11-12	P20				
171.5342	-2.14	15-20	O 8	171.7765	-2.11	11-15	R20	172.1193	-2.14	15-20	P18	172.4562	-1.85	6-	5	P59	172.7420	-1.44	11-12	Q23			
171.5343	-1.74	12-14	Q12	171.7788	-1.77	12-14	R21	172.1239	-1.15	9-	9	Q32	172.4569	-1.57	6-	4	O 7	172.7420	-1.41	8-	7	Q16	
171.5395	-2.05	14-18	P17	171.7806	-1.57	12-14	Q18	172.1254	-1.44	12-14	Q24	172.4587	-1.75	11-12	R21	172.7493	-1.56	8-	7	K21			
171.5410	-0.87	3-	0	Q19	171.7883	-1.22	9-	9	Q27	172.1262	-1.67	12-14	R27	172.4593	-2.27	6-	4	P 4	172.7543	-1.15	6-	4	O19
171.5412	-1.66	14-18	Q19	171.7929	-1.44	9-	9	R31	172.1282	-2.00	11-12	R11	172.4601	-1.92	8-	7	R 8	172.7605	-1.60	6-	4	P15	
171.5429	-1.35	3-	0	P14	171.7955	-1.82	14-18	R25	172.1283	-1.94	11-12	P 7	172.4639	-1.54	6-	4	R14	172.7611	-1.84	8-	7	P13	
171.5475	-2.18	12-14	P10	171.7991	-0.74	3-	0	P26	172.1303	-1.25	7-	6	R45	172.4657	-2.45	8-	7	Q 1	172.7696	-1.31	6-	4	R25
171.5479	-1.57	13-16	P20	171.8027	-1.16	3-	0	P21	172.1353	-2.51	11-12	P 5	172.4678	-1.46	9-	9	P33	172.7748	-1.19	7-	6	R52	
171.5504	-2.59	15-20	P 7	171.8067	-1.96	12-14	P16	172.1364	-1.87	14-18	P25	172.4699	-2.23	8-	7	Q 2	172.7769	-1.38	8-	7	Q17		
171.5505	-1.02	3-	0	R26	171.8076	-2.26	19-25	P13	172.1387	-1.51	14-18	Q27	172.4701	-1.88	8-	7	R 9	172.7781	-1.65	11-12	R27		
-171.5541	-1.47	7-	6	P29	171.8083	-1.29	7-	6	R41	172.1440	-1.75	15-20	P20	172.4718	-1.51	6-	4	Q 8	172.7862	-1.54	8-	7	R22
-171.5587	-1.09	7-	6	Q33	171.8091	-1.49	13-16	O24	172.1480	-1.89	11-12	O 8	172.4718	-1.97	11-12	P15	172.7911	-1.13	6-	4	Q20		
171.5612	-1.50	9-	9	R27	171.8104	-1.60	9-	9	P24	172.1500	-1.97	11-12	R12	172.4760	-2.08	8-	7	O 3	172.7916	-1.67	12-14	P30	
171.5616	-1.82	6-	5	R60	171.8119	-1.95	14-18	P21	172.1521	-1.51	9-	9	P29	172.4777	-2.14	6-	4	P 5	172.7928	-1.81	11-12	P21	
171.5617	-1.29	9-	9	Q23	171.8127	-1.58	14-18	Q23	172.1550	-1.03	3-	0	P28	172.4805	-1.55	11-12	Q18	172.7985	-1.81	8-	7	P14	
171.5618	-1.88	12-14	R16	171.8272	-1.88	18-20	Q15	172.1580	-2.42	11-12	P 6	172.4819	-1.84	8-	7	R10	172.7992	-1.57	6-	4	P16		
171.5630	-1.95	13-16	P16	171.8276	-1.86	13-16	P22	172.1600	-1.36	7-	6	P37	172.4823	-1.51	6-	4	R15	172.8017	-1.43	11-12	Q24		
171.5632	-2.25	15-20	R11	171.8286	-1.75	12-14	R24	172.1633	-1.81	12-14	R22	172.4842	-1.97	8-	7	O 4	172.8039	-1.29	7-	6	P44		
171.5655	-2.09	15-20	Q 9	171.8302	-2.09	15-20	R17	172.1644	-1.00	7-	6	O41	172.4849	-1.21	7-	6	R49	172.8084	-0.93	7-	6	G48	
171.5668	-1.70	12-14	Q13	171.8311	-1.54	12-14	Q19	172.1700	-1.84	11-12	Q 9	172.4869	-2.92	8-	7	P 2	172.8087	-1.30	6-	4	R26		
171.5699	-1.42	5-	3	P29	171.8355	-1.54	6-	5	P58	172.1743	-1.94	11-12	R13	172.4874	-1.36	12-14	Q29	172.8138	-1.36	8-	7	Q18	
171.5703	-1.79	13-16	R23	171.8373	-1.89	6-	5	P54	172.1828	-2.34	11-12	P 7	172.4880	-1.46	6-	4	Q 9	172.8251	-1.53	8-	7	R23	
171.5732	-0.85	3-	0	Q20	171.8402	-1.41	7-	6	P33	172.1926	-1.43	12-14	P25	172.4946	-1.88	8-	7	O 5	172.8295	-1.41	6-	4	Q21
171.5776	-1.32	3-	0	P15	171.8444	-1.04	7-	6	O37	172.1928	-2.11	15-20	P19	172.4958	-1.81	8-	7	R11	172.8376	-1.78	8-	7	P15
171.5781	-1.00	3-	0	R27	171.8476	-1.14	3-	0	P22	172.1941	-1.61	12-14	R28	172.4979	-2.04	6-	4	P 6	172.8466	-1.51	8-	7	R24
171.5783	-1.68	9-	9	P20	171.8500	-1.72	3-	0	Q27	172.1946	-1.79	11-12	P10	172.									

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
173.0032	-1.46	8-	7	R27	173.2760	-.87	4-	1	O19	-173.6263	-1.11	6-	4	R41	173.9376	-2.81	13-	15	P7	-174.3348	-1.03	6-	4	R50
173.0057	-1.29	4-	1	O7	173.2803	-2.33	10-	10	P8	173.6268	-2.57	14-	17	R9	173.9409	-1.45	10-	10	Q26	174.3385	-2.21	13-	15	R22
-173.0076	-1.27	7-	6	P46	173.2828	-1.68	11-	12	P28	173.6269	-2.50	14-	17	Q6	173.9464	-2.31	14-	17	R18	174.3399	-2.65	7-	5	Q1
173.0099	-1.23	4-	1	R15	173.2838	-1.81	10-	10	O11	173.6318	-.71	4-	1	Q28	173.9518	-1.83	10-	10	P23	174.3422	-2.33	14-	17	P20
173.0108	-1.99	4-	1	P4	173.2849	-1.35	6-	4	P26	173.6353	-1.12	4-	1	P23	173.9519	-2.41	13-	15	R13	174.3431	-2.05	7-	5	R10
-173.0138	-1.91	7-	6	O50	173.2856	-1.02	4-	1	R26	173.6381	-.88	6-	4	Q36	173.9545	-1.02	4-	1	P29	174.3435	-2.43	7-	5	Q2
173.0158	-1.67	8-	7	P19	173.2860	-1.56	8-	7	P24	173.6440	-3.01	14-	17	P5	-173.9547	-1.67	10-	10	R30	174.3491	-2.28	7-	5	Q3
173.0186	-1.44	6-	4	P21	173.3009	-1.17	8-	7	Q28	173.6475	-2.43	14-	17	Q7	173.9550	-2.27	13-	15	Q10	-174.3515	-1.99	8-	7	Q42
173.0201	-1.23	4-	1	Q8	173.3024	-1.32	4-	1	P15	173.6508	-2.53	14-	17	R10	-173.9599	-1.20	6-	4	P36	174.3533	-1.36	10-	10	Q22
173.0268	-1.21	4-	1	R16	173.3039	-1.92	10-	10	R16	-173.6579	-1.32	8-	7	R38	173.9628	-2.75	13-	15	P8	174.3550	-2.01	7-	5	R11
173.0294	-1.86	4-	1	P5	-173.3046	-1.16	6-	4	R36	173.6614	-1.54	10-	10	Q21	173.9739	-2.09	14-	17	Q16	174.3569	-2.17	7-	5	Q4
173.0305	-1.25	8-	7	O23	173.3089	-.85	4-	1	Q20	173.6675	-1.25	6-	4	P32	-173.9742	-1.28	8-	7	R42	174.3569	-2.39	13-	15	P17
-173.0331	-1.22	6-	4	R31	173.3092	-2.27	10-	10	P9	173.6677	-.74	10-	10	R25	173.9796	-2.50	14-	17	P14	174.3618	-3.12	7-	5	P2
173.0354	-1.19	4-	1	O9	173.3115	-1.78	10-	10	O12	173.6692	-2.91	14-	17	P6	173.9836	-2.39	13-	15	R14	174.3666	-2.08	7-	5	Q5
173.0452	-1.19	4-	1	R17	-173.3199	-.94	6-	4	Q31	173.6713	-.94	10-	10	P18	-173.9861	-1.41	8-	7	P34	174.3678	-2.18	14-	17	R25
173.0495	-1.77	4-	1	P6	173.3212	-1.00	4-	1	R27	173.6714	-1.21	7-	6	P52	173.9864	-2.23	13-	15	Q11	174.3688	-1.98	7-	5	R12
173.0509	-1.02	6-	4	O26	173.3286	-1.24	7-	6	P49	173.6717	-.69	4-	1	O29	173.9961	-2.69	13-	15	P9	174.3753	-1.14	6-	4	P41
-173.0515	-1.45	8-	7	R28	-173.3330	-1.38	8-	7	R33	173.6720	-2.38	14-	17	Q8	173.9964	-2.29	14-	17	R19	174.3763	-2.82	7-	5	P3
173.0526	-1.14	4-	1	Q10	-173.3353	-.89	7-	6	O53	173.6770	-2.50	14-	17	R11	-173.9984	-1.06	6-	4	R46	174.3777	-2.01	7-	5	Q6
173.0582	-1.74	11-	12	P25	173.3357	-1.90	10-	10	R17	-173.6800	-1.46	8-	7	P30	-174.0028	-.82	6-	4	Q41	174.3845	-1.95	7-	5	R13
173.0654	-1.16	4-	1	R18	173.3383	-1.29	4-	1	P16	173.6809	-.87	7-	6	O56	174.0045	-1.43	10-	10	Q27	-174.3857	-1.73	10-	10	P29
173.0657	-1.65	8-	7	P20	173.3403	-2.22	10-	10	P10	173.6844	-1.10	4-	1	P24	174.0056	-1.00	4-	1	P30	174.3892	-1.98	13-	15	Q20
173.0662	-1.36	11-	12	Q28	173.3413	-1.74	10-	10	O13	-173.6936	-.09	8-	7	Q34	-174.0068	-1.04	8-	7	R38	174.3910	-1.95	7-	5	Q7
173.0679	-1.42	6-	4	P22	173.3432	-.83	4-	1	Q21	173.6948	-.87	6-	4	O37	-174.0178	-1.66	10-	10	R31	174.3929	-2.65	7-	5	P4
173.0709	-1.10	4-	1	O11	173.3438	-1.33	6-	4	P27	173.6967	-.10	6-	4	R42	174.0180	-1.81	10-	10	P24	174.3958	-2.19	13-	15	R23
173.0716	-1.69	4-	1	P7	173.3463	-1.54	8-	7	P25	173.6977	-2.83	14-	17	P7	174.0181	-2.36	13-	15	R15	174.4008	-1.94	14-	17	P23
173.0800	-1.23	8-	7	Q24	173.3500	-.99	4-	1	R28	173.6990	-2.33	14-	17	Q9	174.0203	-2.19	13-	15	Q12	174.4021	-1.92	7-	5	R14
-173.0842	-1.21	6-	4	R32	-173.3650	-1.15	6-	4	R37	173.7062	-2.46	14-	17	R12	174.0253	-2.07	14-	17	R17	174.4029	-3.02	12-	13	R3
173.0872	-1.14	4-	1	R19	173.3655	-1.67	11-	12	P29	173.7131	-.52	10-	10	Q22	174.0317	-2.64	13-	15	P10	174.4039	-3.12	12-	13	R2
-173.0877	-1.16	7-	6	R55	-173.3682	-1.15	6-	7	P29	173.7207	-.73	10-	10	R26	174.0325	-2.46	14-	17	P15	174.4055	-3.24	12-	13	R1
173.0911	-1.07	4-	1	Q12	173.3698	-1.87	10-	10	R18	173.7241	-.92	10-	10	P19	-174.0363	-1.19	7-	6	P55	174.4055	-2.94	12-	13	R4
173.0945	-1.62	4-	1	P8	173.3738	-1.71	10-	10	G14	173.7280	-2.29	14-	17	Q10	-174.0390	-1.19	6-	4	P37	174.4062	-1.89	7-	5	Q8
173.1008	-1.00	6-	4	Q27	173.3739	-2.17	10-	10	P11	173.7285	-.76	14-	17	P8	174.0503	-2.27	14-	17	R20	174.4105	-2.87	12-	13	R5
-173.1036	-1.43	8-	7	R29	173.3760	-1.26	4-	1	P17	173.7287	-.68	4-	1	Q30	174.0548	-2.33	13-	15	R16	174.4109	-3.42	12-	13	R0
173.1107	-1.12	4-	1	R20	-173.3783	-.93	6-	4	Q32	173.7357	-.08	4-	1	P25	174.0571	-2.16	13-	15	Q13	174.4116	-2.52	7-	5	P5
173.1128	-1.03	4-	1	Q13	173.3802	-.81	4-	1	Q22	-173.7384	-.14	6-	4	P33	-174.0586	-1.27	8-	7	R43	174.4126	-2.31	14-	17	P21
-173.1133	-1.26	7-	6	P47	173.3838	-.97	4-	1	R29	173.7387	-.43	14-	17	R13	-174.0691	-1.39	8-	7	P35	174.4143	-2.36	13-	15	P18
173.1134	-2.48	10-	10	R3	-173.3977	-1.37	8-	7	R34	173.7404	-.31	8-	7	R39	174.0701	-2.59	13-	15	P11	174.4182	-2.81	12-	13	R6
173.1144	-2.40	10-	10	R4	173.4047	-.31	6-	4	P28	-173.7535	-.15	8-	7	P31	174.0738	-.99	4-	1	P31	174.4201	-1.34	8-	7	P29
173.1149	-2.57	10-	10	R2	173.4081	-1.85	10-	10	R19	173.7621	-2.25	14-	17	Q11	-174.0747	-1.03	8-	7	Q39	-174.4204	-1.77	6-	4	Q66
173.1176	-2.33	10-	10	R5	173.4085	-1.68	10-	10	Q15	173.7630	-.71	14-	17	P9	-174.0756	-1.62	10-	10	Q28	174.4213	-3.24	12-	13	Q1
173.1176	-1.62	8-	7	P21	173.4090	-1.53	8-	7	P26	173.7648	-.50	10-	10	Q23	-174.0802	-1.05	6-	4	R47	174.4217	-1.89	7-	5	R9
173.1183	-2.70	10-	10	R1	173.4097	-2.13	10-	10	P12	-173.7681	-.07	8-	7	Q35	174.0805	-2.04	14-	17	O18	174.4234	-1.85	7-	5	Q9
-173.1189	-1.91	7-	6	O51	173.4151	-1.23	4-	1	P18	-173.7699	-.09	6-	4	R43	-174.0822	-.81	6-	4	Q42	174.4246	-1.02	6-	4	R51
173.1194	-1.40	6-	4	P23	173.4191	-.79	4-	1	Q23	173.7732	-.24	14-	17	R14	174.0847	-1.79	10-	10	P25	174.4263	-3.02	12-	13	Q2
173.1199	-1.56	4-	1	P9	-173.4217	-.14	8-	7	Q30	173.7755	-.86	6-	4	Q38	-174.0870	-1.64	10-	10	R32	174.4283	-2.76	12-	13	R7
173.1231	-2.27	10-	10	R6	-173.4276	-1.14	6-	4	R38	173.7794	-.31	13-	15	R1	-174.1369	-1.40	10-	10	Q29	174.4320	-2.43	7-	5	P6
173.1244	-2.87	10-	10	R0	173.4406	-.92	6-	4	Q33	-173.7853	-.71	10-	10	R27	174.0951	-2.31	13-	15	R17	174.4325	-1.35	10-	10	Q33
173.1250	-1.47	11-	12	O29	173.4459	-.77	4-	1	Q24	-173.8002	-.66	14-	17	R12	174.1073	-2.25	14-	17	R21	174.4343	-2.87	12-	13	Q3
173.1254	-2.17	10-	10	R7	173.4456	-1.36	8-	7	R35	173.8016	-.21	14-	17	R12	-174.1445	-1.26	8-	7	R46	174.4553	-1.71	10-	10	P30
173.1464	-1.51	4-	1	P10	173.4672	-1.30	6-	4	P29	173.8044	-.75	13-												

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
174.5357	-2.54	9-	8	R 6	174.7251	-2.24	5-	2	R 3	174.9197	-1.85	7-	5	P20	175.2629	-2.01	12-13	Q25	175.6427	-2.89	11-11	R18		
174.5359	-2.97	9-	8	R 1	174.7260	-0.96	8-	7	O 6	174.9224	-1.08	6-	4	P47	175.2654	-1.25	5-	2	Q24	-175.6435	-1.63	7-	5	P32
174.5377	-1.66	7-	5	Q 14	174.7286	-2.23	12-13	Q15	174.9288	-2.05	9-	8	R23	175.2843	-2.12	9-	8	P22	175.6506	-1.52	5-	2	P27	
174.5383	-3.23	16-21	R 7	174.7290	-1.94	5-	2	R 8	174.9318	-1.47	5-	2	Q14	-175.2843	-1.94	9-	8	R30	175.6533	-1.12	5-	2	Q32	
174.5388	-2.31	13-15	P 20	174.7297	-2.23	14-17	P25	174.9379	-2.30	9-	8	P15	-175.2847	-1.54	7-	5	R36	-175.6709	-2.02	9-	8	P28		
174.5391	-3.14	16-21	Q 5	174.7301	-2.34	5-	2	R 2	174.9383	-1.58	5-	2	R21	175.2852	-2.57	16-21	Q20	175.6738	-3.15	11-11	P12			
174.5421	-2.49	9-	8	R 7	174.7302	-2.17	9-	8	R17	174.9387	-2.69	16-21	O15	-175.2939	-1.32	7-	5	Q31	-175.6744	-1.87	9-	8	R36	
174.5425	-3.15	9-	8	R 0	174.7326	-2.82	16-21	Q11	174.9420	-1.98	5-	2	P10	175.2942	-1.42	5-	2	R31	175.6795	-2.70	11-11	Q15		
174.5436	-2.54	12-13	R13	174.7348	-1.90	5-	2	R 9	174.9460	-2.32	12-13	R23	175.3014	-1.66	5-	2	P20	175.6807	-2.87	11-11	R19			
174.5450	-3.71	16-21	P 4	174.7361	-2.46	5-	2	R 1	174.9478	-2.51	12-13	P17	-175.3060	-1.72	9-	8	Q26	-175.6822	-1.02	6-	4	P54		
174.5460	-2.04	12-13	P 7	174.7386	-1.51	7-	5	O20	174.9512	-1.62	7-	5	R30	175.3064	-1.71	7-	5	P27	-175.6894	-1.63	9-	8	Q32	
174.5488	-1.78	7-	5	R20	174.7392	-1.10	6-	4	P45	174.9536	-2.90	16-21	R17	175.3089	-1.23	5-	2	Q25	-175.6900	-1.25	7-	5	Q37	
174.5507	-2.45	9-	8	R 8	174.7408	-3.01	16-21	R13	174.9574	-1.45	5-	2	Q15	175.3139	-2.38	12-13	P23	175.6945	-2.29	12-13	P28			
174.5514	-1.12	6-	4	P43	174.7416	-1.95	7-	5	P16	174.9586	-1.86	9-	8	Q19	175.3255	-2.93	16-21	P19	-175.6975	-1.48	7-	5	R42	
174.5516	-1.90	14-17	Q25	174.7423	-1.86	5-	2	R10	174.9594	-1.42	7-	5	P25	175.3287	-1.99	12-13	Q26	175.7109	-1.51	5-	2	P28		
174.5532	-2.97	9-	8	Q 1	174.7441	-2.64	5-	2	R 0	174.9622	-2.11	12-13	R20	-175.3399	-1.25	8-	7	P48	175.7155	-3.11	11-11	P13		
174.5574	-2.75	9-	8	Q 2	174.7462	-2.02	9-	8	O13	174.9670	-1.56	5-	2	R22	175.3430	-2.10	9-	8	P23	175.7207	-2.85	11-11	R20	
174.5608	-2.40	12-13	O10	174.7470	-2.25	13-15	P23	174.9683	-3.07	16-21	P14	-175.3432	-1.93	9-	8	R31	175.7215	-2.67	11-11	Q16				
174.5613	-2.41	9-	8	R 9	174.7513	-1.82	5-	2	R11	174.9690	-1.82	7-	5	P21	175.3469	-1.64	5-	2	P21	-175.7216	-1.62	7-	5	P33
174.5618	-3.07	16-21	Q 6	174.7519	-2.15	9-	8	R18	174.9703	-1.94	5-	2	P11	-175.3489	-1.53	7-	5	R37	-175.7299	-2.00	9-	8	P29	
174.5622	-3.18	16-21	R 8	174.7525	-3.23	16-21	P10	174.9789	-2.03	9-	8	R24	175.3499	-1.04	6-	4	P51	-175.7478	-1.86	9-	8	R37		
174.5629	-2.12	7-	5	P11	174.7533	-2.40	12-13	R19	174.9811	-2.27	9-	6	P16	175.3544	-1.21	5-	2	Q26	175.7530	-2.64	11-11	Q17		
174.5638	-2.60	9-	8	Q 3	174.7552	-2.49	5-	2	O1	174.9812	-2.19	13-15	P26	175.3567	-1.31	7-	5	O32	175.7582	-3.07	11-11	P14		
174.5645	-2.27	14-17	P23	174.7553	-2.46	5-	2	O1	174.9845	-1.42	5-	2	R16	175.3677	-1.71	9-	8	Q27	-175.7628	-1.52	9-	8	Q33	
174.5662	-1.63	7-	5	Q15	174.7558	-2.64	12-13	P13	174.9905	-0.72	6-	4	O52	175.3696	-1.69	7-	5	P28	175.7635	-2.83	11-11	R21		
174.5702	-3.58	16-21	P 5	174.7585	-2.24	5-	2	O2	174.9984	-1.54	5-	2	R23	175.3715	-3.49	11-11	R 3	-175.7662	-1.24	7-	5	Q38		
174.5722	-2.51	12-13	R14	174.7623	-1.79	5-	2	R12	174.9998	-2.66	16-21	Q16	175.3726	-3.59	11-11	R 2	175.7715	-1.49	5-	2	P29			
174.5725	-2.49	9-	8	Q 4	174.7637	-1.09	5-	2	Q 3	175.0002	-1.90	5-	2	P12	175.3728	-3.41	11-11	R 4	-175.7747	-1.47	7-	5	R43	
174.5741	-2.37	9-	8	R10	174.7658	-1.68	7-	5	R26	175.0011	-1.83	9-	8	O20	175.3761	-3.71	11-11	R 1	-175.7926	-1.61	7-	5	P34	
174.5746	-2.87	12-13	P 8	174.7679	-1.98	5-	2	O4	175.0014	-2.30	12-13	R24	175.3767	-3.34	11-11	R 5	175.7986	-2.62	11-11	Q18				
174.5747	-3.45	9-	8	P 2	174.7701	-2.20	12-13	O16	175.0023	-2.49	12-13	P18	175.3819	-3.89	11-11	R 0	-175.8010	-1.01	6-	4	P55			
174.5750	-1.92	13-15	O23	174.7749	-1.76	5-	2	R13	175.0071	-1.61	7-	5	R31	175.3829	-3.29	11-11	R 6	175.8026	-3.04	11-11	P15			
174.5800	-1.76	7-	5	R21	174.7763	-1.98	9-	8	Q14	175.0096	-1.40	7-	5	O26	175.3852	-2.36	12-13	P24	175.8088	-2.81	11-11	R22		
174.5831	-2.41	9-	8	Q 5	174.7777	-1.94	5-	2	P12	175.0120	-1.28	8-	7	P45	175.3914	-3.23	11-11	R 7	-175.8090	-1.98	9-	8	P30	
174.5883	-3.01	16-21	Q 7	174.7783	-1.79	16-21	O12	175.0136	-1.39	5-	2	Q17	175.3925	-3.71	11-11	Q 1	175.8332	-1.47	5-	2	P30			
174.5891	-2.33	9-	8	R11	174.7787	-1.49	7-	5	Q21	175.0168	-2.84	16-21	R18	175.3943	-1.61	5-	2	P22	-175.8339	-1.61	9-	8	Q34	
174.5892	-2.36	12-13	O11	174.7790	-1.90	5-	2	O 5	175.0169	-2.08	12-13	R21	175.3974	-3.49	11-11	Q 2	-175.8433	-1.23	7-	5	Q39			
174.5897	-3.15	9-	8	P 3	174.7832	-1.92	7-	5	P17	175.0202	-1.80	7-	5	P22	175.4006	-1.98	12-13	O27	175.8452	-2.60	11-11	Q19		
174.5905	-3.14	16-21	R 9	174.7857	-0.12	9-	8	R19	175.0258	-2.02	9-	8	R25	175.4022	-3.19	11-11	R 8	175.8502	-3.01	11-11	P16			
174.5949	-2.08	7-	5	P12	174.7873	-2.45	9-	8	P11	175.0266	-2.24	9-	8	P17	175.4030	-1.20	5-	2	Q27	-175.8521	-1.46	7-	5	R44
174.5960	-2.33	9-	8	Q 6	174.7882	-2.98	16-21	R14	175.0316	-1.86	5-	2	P13	175.4044	-1.92	9-	8	R32	-175.8562	-2.79	11-11	R23		
174.5968	-1.61	7-	5	P16	174.7890	-1.82	5-	2	Q 6	175.0317	-3.04	16-21	P15	175.4045	-3.34	11-11	Q 3	-175.8635	-1.59	7-	5	P35		
174.5992	-3.48	16-21	P 6	174.7893	-1.73	5-	2	R14	175.0342	-1.07	6-	4	P48	175.4046	-2.08	9-	8	P24	-175.8890	-1.97	9-	8	P31	
174.6023	-0.76	6-	4	Q48	174.7913	-0.74	6-	4	O50	175.0372	-1.52	5-	2	R24	175.4090	-2.90	16-21	P20	175.8939	-2.58	11-11	O20		
174.6032	-2.49	12-13	R15	174.7922	-2.64	5-	2	P 3	175.0442	-1.37	5-	2	Q18	175.4138	-4.19	11-11	P 2	175.8976	-1.46	5-	2	P31		
174.6053	-2.29	13-15	P21	174.7939	-1.66	10-10	P34	175.0468	-1.81	9-	8	Q21	175.4141	-3.23	11-11	O 4	-175.9030	-2.98	11-11	P17				
174.6056	-2.81	12-13	P 9	174.7976	-2.38	12-13	R20	175.0553	-1.51	5-	2	R25	175.4154	-3.10	7-	5	Q33	175.9060	-2.77	11-11	R24			
174.6063	-2.30	9-	8	R12	174.7999	-2.60	12-13	P14	175.0560	-1.59	7-	5	R32	175.4156	-3.15	11-11	R 9	-175.9120	-1.60	9-	8	Q35		
174.6066	-1.32	8-	7	P41	174.8009	-1.30	16-21	P11	175.0566	-2.29	12-13	R25	175.4157	-1.69	9-	8	P28	-175.9220	-1.22	7-	5	Q40		
174.6068	-2.97	9-	8	P10	174.8013	-1.66	5-	2	R17	175.0596	-2.46	12-13	P19	175.4164	-1.52	7-	5	R38	175.9322	-1.45	7-	5	R45	
174.6090	-1.00	6-	4	P53	174.8027	-2.34	5-	2	R15	175.0617	-1.38	7-	5	Q27	175.4260	-3.15	11-11	R 5	175.9446	-2.55	11-11	Q21		
174.6110	-2.27	9-	8	Q 7	174.8086	-2.46	5-	2	P 4	175.0651	-1.82	5-	2	P14	175.4293	-3.89	11-11	P 3	-175.9473	-1.58	7-	5	P36	
174.6132	-																							

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
176.3391	-4.90	15-18	Q	4	176.5740	-4.71	6-	3	R	176.7500	-0.01	16-20	R	6	176.9214	-4.30	6-	3	P14	177.1466	-3.37	13-14	R17	
176.3416	-4.00	8-	R	9	176.5746	-4.46	6-	3	R	176.7503	-3.61	8-	6	R25	176.9229	-4.65	15-18	P17	-177.1506	-3.29	8-	6	Q28	
176.3428	-4.90	15-18	R	7	176.5745	-4.05	8-	6	P11	176.7524	-4.57	14-16	P13	176.9259	-4.18	10-	9	P10	177.1523	-3.63	16-20	R17		
176.3435	-4.57	8-	6	1	176.5779	-4.81	6-	3	R	176.7549	-3.43	8-	6	Q20	176.9294	-1.11	7-	5	O51	177.1527	-3.42	16-20	O15	
176.3436	-3.90	8-	6	R12	176.5791	-4.41	6-	3	R	176.7555	-4.83	10-	9	P3	176.9305	-3.98	6-	3	R25	177.1550	-3.68	8-	6	P24
176.3476	-4.35	8-	6	2	176.5810	-4.28	14-16	Q11	-176.7567	-1.38	7-	5	R54	176.9312	-3.54	13-14	Q	6	-177.1555	-3.50	8-	6	R33	
176.3479	-1.17	7-	5	Q45	176.5812	-4.62	15-18	R15	-176.7568	-1.48	7-	5	P45	176.9336	-4.18	13-14	P	4	177.1559	-4.37	14-16	P20		
176.3521	-5.55	15-18	P	3	176.5827	-1.87	9-	8	P39	176.7571	-3.96	16-20	Q	4	176.9340	-3.83	10-	9	R18	177.1586	-3.19	13-14	O14	
176.3535	-4.20	8-	6	3	176.5830	-4.44	14-16	R14	176.7594	-4.02	10-	9	R11	176.9359	-3.57	13-14	R10	177.1596	-3.96	10-	9	P16		
176.3545	-3.97	8-	6	R10	176.5842	-4.94	6-	3	R	176.7624	-3.98	6-	3	O13	176.9362	-3.36	8-	6	Q24	177.1655	-4.13	6-	3	P20
176.3572	-4.81	15-18	O	5	176.5858	-4.37	6-	3	R	176.7629	-4.02	10-	9	O6	176.9363	-3.55	8-	6	R29	177.1729	-3.72	10-	9	R24
176.3607	-4.85	15-18	R	8	176.5876	-4.74	14-16	P	9	176.7632	-4.61	16-20	P	3	176.9367	-3.77	8-	6	P20	-177.1730	-1.44	7-	5	P49
176.3616	-4.09	8-	6	O4	176.5917	-5.11	6-	3	R	176.7672	-4.51	6-	3	P9	176.9382	-3.82	6-	3	Q19	177.1763	-4.42	15-18	R25	
176.3657	-5.05	8-	6	P2	176.5935	-4.33	6-	3	R10	176.7684	-3.96	16-20	P7	176.9430	-4.01	16-	20	P9	177.1791	-3.70	6-	3	Q25	
176.3676	-1.41	7-	5	R50	176.5973	-3.68	8-	6	R21	176.7730	-4.07	6-	3	R20	176.9461	-4.05	14-16	O19	177.1802	-3.61	13-14	P12		
176.3697	-3.93	8-	6	R11	176.5975	-3.53	8-	6	Q16	176.7732	-3.66	10-	9	P4	176.9498	-3.48	13-14	Q	7	-177.1809	-1.35	7-	5	R58
176.3725	-5.37	15-18	P	4	176.5996	-4.85	15-18	P11	176.7754	-3.87	16-20	P5	176.9509	-3.67	10-	9	Q14	177.1867	-3.52	10-	9	Q20		
176.3726	-4.00	8-	6	5	176.6017	-4.42	15-18	Q13	176.7776	-3.99	10-	9	R12	176.9546	-3.74	16-20	R13	177.1876	-3.35	13-14	R18			
176.3744	-5.04	14-16	R	2	176.6028	-2.76	11-11	P28	176.7786	-3.96	10-	9	Q7	176.9546	-4.05	13-14	P5	177.1921	-3.80	16-20	P14			
176.3749	-1.52	7-	5	P41	176.6031	-4.94	6-	3	Q1	176.7789	-4.53	15-18	R19	176.9577	-4.27	6-	3	P15	177.1994	-3.16	13-14	Q15		
176.3754	-4.95	14-16	R	3	176.6033	-4.30	6-	3	R11	176.7842	-4.43	16-20	P4	176.9581	-3.55	16-20	Q11	177.2000	-4.18	15-18	Q23			
176.3756	-5.17	14-16	R	1	176.6069	-4.71	6-	3	Q2	176.7870	-4.13	14-16	O16	176.9582	-3.54	13-14	R11	177.2017	-3.97	14-16	P23			
176.3759	-3.87	8-	6	R13	176.6092	-4.00	8-	6	P12	176.7874	-3.95	6-	3	Q14	176.9590	-4.14	10-	9	P11	177.2041	-4.55	15-18	P21	
176.3769	-4.74	15-18	Q	6	176.6119	-4.57	6-	3	O3	176.7904	-3.91	16-20	R8	176.9592	-1.66	7-	5	P47	177.2064	-3.93	10-	9	P17	
176.3799	-4.87	14-16	R	4	176.6151	-4.27	6-	3	R12	176.7925	-3.84	8-	6	P17	176.9606	-4.27	14-16	R22	-177.2097	-3.27	8-	6	Q29	
176.3804	-5.34	14-16	R	0	176.6164	-4.25	14-16	Q12	176.7929	-4.53	10-	9	P5	176.9614	-4.47	15-18	R22	177.2106	-3.39	16-20	Q16			
176.3809	-4.74	8-	6	P3	176.6197	-4.41	14-16	R15	176.7946	-4.46	6-	3	P10	176.9651	-4.44	14-16	P17	177.2124	-4.11	6-	3	P21		
176.3826	-4.81	15-18	R	9	176.6246	-4.69	14-16	P10	176.7960	-4.32	14-16	R19	176.9680	-3.97	6-	3	R26	177.2145	-3.67	8-	6	P25		
176.3845	-3.93	8-	6	6	176.6256	-1.14	7-	5	Q48	176.7965	-3.91	10-	9	Q8	176.9681	-3.81	10-	9	R19	-177.2158	-3.49	8-	6	R34
176.3868	-4.80	14-16	R	5	176.6258	-5.51	6-	3	P2	176.7967	-3.80	16-20	O6	176.9715	-3.42	13-14	Q8	177.2206	-3.70	10-	9	R25		
176.3879	-3.87	8-	6	R4	176.6259	-4.59	15-18	R16	176.7973	-3.41	8-	6	P17	176.9606	-4.27	14-16	R22	-177.2097	-3.27	8-	6	Q29		
176.3907	-5.25	15-18	P	5	176.6260	-4.37	6-	3	Q5	176.7981	-3.96	10-	9	R13	176.9614	-4.47	15-18	R22	177.2106	-3.39	16-20	Q16		
176.3908	-5.17	14-16	Q	1	176.6280	-4.37	6-	3	R13	176.8008	-4.05	6-	3	R21	176.9646	-1.36	7-	5	R56	177.2108	-3.61	16-20	R18	
176.3945	-1.89	9-	8	P37	176.6327	-3.67	8-	6	R22	176.8011	-4.53	14-16	P14	176.9684	-3.64	10-	9	Q15	177.2124	-4.11	6-	3	P21	
176.3965	-4.95	14-16	Q	2	176.6330	-3.50	8-	6	Q17	176.8016	-4.31	15-18	O17	176.9685	-3.96	16-20	P10	177.2340	-3.50	10-	9	Q21		
176.3966	-4.74	14-16	R	6	176.6385	-4.30	6-	3	Q6	176.8020	-4.70	15-18	P15	176.9861	-4.24	15-18	R20	177.2428	-3.13	13-14	Q16			
176.3979	-4.57	8-	6	P4	176.6409	-5.11	6-	3	R3	176.8084	-4.31	16-20	P5	176.9868	-3.34	8-	6	Q25	177.2530	-3.76	16-20	P15		
176.3995	-4.67	15-18	Q	7	176.6434	-3.93	8-	6	P14	176.8138	-3.92	6-	3	Q15	176.9878	-3.75	8-	6	R30	-177.2534	-1.09	7-	5	Q54
176.4027	-3.84	8-	6	R14	176.6437	-4.21	6-	3	R14	176.8151	-4.44	10-	9	P6	176.9884	-4.62	15-18	P18	177.2549	-4.40	15-18	R26		
176.4057	-4.77	14-16	Q	3	176.6453	-4.81	15-18	P12	176.8159	-3.87	16-20	R9	176.9884	-3.74	8-	6	P21	177.2555	-3.91	10-	9	P18		
176.4075	-4.77	15-18	R	10	176.6467	-4.39	15-18	Q14	176.8161	-3.86	10-	9	Q8	176.9947	-4.09	10-	9	P12	177.2613	-4.09	6-	3	P22	
176.4100	-4.69	14-16	R	7	176.6471	-3.97	8-	6	P13	176.8207	-3.93	10-	9	R14	176.9955	-4.44	6-	3	P16	-177.2664	-3.26	8-	6	Q30
176.4117	-5.65	14-16	P	2	176.6510	-4.24	6-	3	Q7	176.8218	-3.74	16-20	O7	176.9960	-3.37	13-14	Q9	177.2695	-3.54	13-14	P14			
176.4118	-3.82	8-	6	Q8	176.6546	-4.21	14-16	P13	176.8240	-4.41	6-	3	P11	176.9984	-3.71	16-20	R14	177.2710	-3.69	10-	9	R26		
176.4170	-4.44	8-	6	P5	176.6567	-1.38	7-	5	R53	-176.8265	-1.12	7-	5	O50	177.0013	-3.51	16-20	R12	177.2720	-3.37	16-20	Q17		
176.4172	-4.69	14-16	Q	4	176.6572	-1.49	7-	5	P44	176.8305	-4.03	6-	3	R22	177.0044	-3.79	10-	9	R20	177.2735	-3.59	16-20	R19	
176.4192	-5.15	15-18	P	6	176.6573	-4.94	6-	3	P4	176.8368	-4.51	15-18	R20	177.0054	-4.03	14-16	O20	177.2736	-3.96	14-16	Q24			
176.4254	-4.62	14-16	R	8	176.6593	-4.39	14-16	R16	176.8370	-4.21	16-20	P6	177.0055	-3.87	13-14	P7	177.2744	-3.67	6-	3	Q27			
176.4262	-4.65	14-16	R	8	176.6641	-4.65	14-16	P11	176.8388	-3.81	10-	9	R10	177.0100	-3.48	13-14	P13	-177.2779	-3.48	8-	6	R35		
176.4278	-5.34	14-16	P	3	176.6651	-4.18	6-	3	Q8	176.8391	-3.82	8-	6	P18	177.0112	-3.78	6-	3	Q21	177.2789	-3.31	13-14	R20	
176.4316	-3.77	8-	6	Q9	176.6698	-3.65	8-	6	R23	176.8391	-3.58	8-	6	R27	177.0204	-3.62	10-	9	Q16	177.2789	-4.16	15-18	Q24	
176.4317	-4.60	14-16	Q	5	176.6736	-4.57	15-18	R17	176.8393	-4.36	10-	9	P7	177.0220	-4									

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ			
177.4796	-3.30	16.-20	020	177.7389	-2.96	12.-12	R	7	-178.1124	-1.38	7-	5	P57	178.5551	-2.61	9-	7	P7	178.9421	-2.61	11-10 R 4	
177.4807	-3.42	13.-14	P18	177.7415	-1.46	4-	0	R24	178.1155	-2.80	12.-12	P14	178.5361	-2.11	7-	4	R12	178.9435	-2.79	11-10 R 2		
177.4815	-1.83	4-	0	R 9	177.7425	-3.21	12.-12	O 2	178.1200	-3.24	13.-14	P27	178.5396	-2.20	9-	7	R16	178.9448	-1.62	7- 4 Q21		
177.4892	-2.03	4-	0	R 5	177.7426	-1.40	7-	5	P54	178.1202	-2.37	12-12	Q27	178.5398	-3.25	7-	4	P2	178.9450	-2.55	11-10 R 5	
177.4903	-1.97	4-	0	R 6	177.7500	-3.07	12.-12	Q 3	178.1277	-1.13	4-	0	Q27	178.5438	-2.21	7-	4	Q5	178.9474	-2.91	11-10 R 1	
177.4909	-2.10	4-	0	R 4	177.7506	-2.91	12.-12	R 8	178.1353	-2.55	12-12	R21	-178.5495	-3.43	8-	6	P42	178.9477	-1.99	9- 7 R27		
177.4923	-1.80	4-	0	R10	177.7526	-3.18	13.-14	R28	178.1390	-1.55	4-	0	P22	178.5496	-2.09	9-	7	Q11	178.9496	-1.79	7- 4 R27	
177.4937	-3.24	13.-14	R24	-177.7543	-3.17	8-	6	Q37	178.1441	-2.87	13.-14	Q30	178.5502	-2.08	7-	4	R13	178.9502	-2.49	11-10 R 6		
177.4940	-2.18	4-	0	R 3	177.7564	-1.33	4-	0	Q17	178.1617	-2.77	12-12	P15	178.5551	-2.14	7-	4	O6	178.9540	-3.09	11-10 R 0	
177.4946	-1.92	4-	0	R 7	177.7593	-3.91	12.-12	P 2	178.1622	-1.12	4-	0	Q28	178.5555	-2.95	7-	4	P3	-178.9569	-3.39	8- 6 P46	
-177.4965	-3.63	10-	9	R30	177.7599	-2.94	13.-14	Q25	178.1653	-2.34	12-12	Q18	178.5571	-2.59	12-12	P22	178.9579	-2.44	11-10 R 7			
177.4991	-2.27	4-	0	R 2	177.7601	-2.96	12.-12	Q 4	-178.1657	-3.12	8-	6	Q42	178.5582	-2.20	12-12	D25	178.9640	-2.05	7- 4 P17		
177.5020	-1.76	4-	0	R11	177.7609	-1.83	4-	0	P12	-178.1791	-3.48	8-	6	P38	178.5608	-2.61	9-	7	P8	178.9650	-2.91	11-10 Q 1
177.5022	-3.02	13.-14	Q21	-177.7641	-3.35	10-	9	Q30	178.1831	-2.53	12-12	R22	178.5635	-1.41	4-	0	P30	178.9678	-2.39	11-10 R 8		
177.5051	-1.87	4-	0	R 8	177.7649	-2.87	12.-12	R 9	178.1863	-1.53	4-	0	P23	178.5658	-2.18	9-	7	R17	178.9695	-2.69	11-10 Q 2	
177.5052	-3.41	10-	9	Q26	-177.7656	-3.54	8-	6	P33	-178.1881	-3.64	10-	9	P32	178.5670	-2.05	7-	4	R14	178.9767	-2.55	11-10 Q 3
177.5058	-2.40	4-	0	R 1	177.7725	-1.44	4-	0	R25	-178.1971	-3.36	8-	6	R47	178.5680	-2.08	7-	4	Q7	178.9803	-2.35	11-10 R 9
-177.5076	-1.42	7-	5	P52	177.7728	-2.87	12.-12	O 5	178.2053	-3.22	13.-14	P28	178.5726	-2.78	7-	4	P4	178.9822	-2.20	9- 7 P19		
177.5126	-1.73	4-	0	R12	177.7750	-3.61	12-12	P 3	178.2104	-2.74	12-12	P16	178.5745	-2.06	9-	7	Q12	178.9858	-1.60	7- 4 Q22		
177.5144	-2.57	4-	0	R 0	-177.7762	-3.40	8-	6	R42	178.2119	-1.10	4-	0	P29	-178.5774	-3.32	8-	6	R51	178.9859	-2.44	11-10 Q 4
177.5249	-1.70	4-	0	R13	177.7817	-2.83	12-12	R10	178.2138	-2.32	12-12	Q19	178.5831	-2.02	7-	4	Q8	178.9872	-3.39	11-10 P 2		
177.5259	-2.40	4-	0	Q 1	177.7826	-3.94	6-	3	P31	-178.2149	-1.03	7-	5	Q62	178.5850	-2.02	7-	4	R15	178.9883	-1.78	7- 7 Q23
-177.5271	-1.32	7-	5	R61	177.7859	-1.31	4-	0	Q18	178.2321	-2.51	12-12	R23	178.5887	-2.55	9-	7	P9	-178.9910	-3.29	8- 6 R55	
177.5293	-2.18	4-	0	Q 2	177.7877	-2.80	12-12	Q 6	178.2350	-1.51	4-	0	P24	178.5917	-2.65	7-	4	P5	178.9926	-1.78	7- 4 R28	
177.5328	-4.00	6-	3	P27	177.7933	-3.43	12-12	P 4	-178.2412	-1.37	7-	5	P58	178.5943	-2.15	9-	7	R18	178.9950	-2.31	11-10 R10	
177.5337	-3.66	16.-20	P19	177.7940	-1.80	4-	0	P13	-178.2548	-3.11	8-	6	Q43	178.5995	-1.97	7-	4	O9	178.9951	-2.48	12-12 P28	
-177.5337	-3.21	8-	6	Q34	177.8010	-2.80	12-12	R11	178.2615	-2.71	12-12	P17	178.6016	-2.02	9-	7	Q13	-178.9963	-1.98	9- 7 R28		
177.5341	-2.03	4-	0	Q 3	177.8015	-3.72	10-	9	P27	178.2637	-2.30	12-12	Q20	178.6050	-2.00	7-	4	R16	178.9975	-2.35	11-10 Q 5	
177.5355	-4.11	15.-18	Q27	177.8027	-2.74	12-12	Q 7	-178.2686	-3.47	8-	6	P39	178.6127	-2.55	7-	4	P6	179.0028	-3.09	11-10 P 3		
177.5357	-3.79	10-	9	P23	177.8086	-3.31	13.-14	P23	-178.2722	-3.63	10-	9	P33	178.6184	-1.93	7-	4	Q10	179.0071	-2.02	7- 4 P18	
177.5364	-4.27	14.-16	P25	177.8090	-1.43	4-	0	R26	178.2837	-2.50	12-12	R24	178.6184	-2.50	9-	7	P10	179.0115	-2.28	11-10 Q 6		
177.5389	-4.47	15-	18	P25	177.8142	-3.31	12-12	P 5	178.2856	-1.49	4-	0	P25	178.6240	-2.57	12-12	P23	179.0121	-2.28	11-10 R11		
177.5401	-3.66	16.-20	P19	177.8166	-1.28	4-	0	Q19	-178.2894	-3.35	8-	6	R48	178.6249	-2.13	9-	7	R19	179.0211	-2.91	11-10 P 4	
177.5403	-1.67	4-	0	R14	177.8192	-2.77	12-12	R12	178.2919	-3.21	13-14	P29	178.6266	-2.19	12-12	Q26	179.0277	-2.21	11-10 Q 7			
177.5407	-1.92	4-	0	Q 4	177.8240	-3.16	13.-14	R29	178.3156	-2.68	12-12	P18	178.6269	-1.97	7-	4	R17	179.0294	-1.58	7- 4 Q23		
-177.5436	-3.58	8-	6	P30	177.8255	-2.62	12-12	Q 8	178.3180	-2.28	12-12	Q21	178.6306	-1.99	7-	4	Q14	179.0317	-2.24	11-10 R12		
-177.5477	-3.43	8-	6	R39	177.8273	-4.42	15.-18	P28	178.3379	-1.48	4-	0	P26	-178.6328	-3.07	8-	6	Q47	179.0334	-2.18	9- 7 P20	
177.5489	-1.83	4-	0	Q 5	177.8280	-1.76	4-	0	P14	178.3404	-2.48	12-12	R25	178.6354	-2.47	7-	4	P7	179.0374	-1.76	7- 4 R29	
177.5494	-2.87	4-	0	P 2	177.8316	-2.93	13-14	Q26	-178.3467	-3.10	8-	6	O44	178.6388	-1.89	7-	4	O11	179.0386	-1.77	9- 7 Q24	
177.5498	-1.62	4-	0	R16	-177.8323	-3.16	8-	6	Q38	-178.3594	-3.45	8-	6	P40	-178.6395	-1.35	7-	5	P61	179.0413	-2.79	11-10 P 5
-177.5547	-3.22	13.-14	R25	-177.8344	-1.05	7-	5	Q59	-178.3595	-3.62	10-	9	P34	178.6484	-3.42	8-	6	P43	179.0465	-2.16	11-10 Q 8	
-177.5584	-3.62	10-	9	R31	-177.8350	-3.34	10-	9	Q31	178.3716	-2.66	12-12	P19	178.6506	-2.46	9-	7	P11	-179.0484	-3.03	8- 6 Q51	
177.5585	-1.76	4-	0	Q 6	177.8356	-1.41	4-	0	R27	-178.3731	-1.36	7-	5	P59	178.6507	-1.95	7-	4	R18	-179.0487	-1.96	9- 7 R29
177.5611	-1.64	4-	0	R15	177.8377	-3.21	12-12	P 6	178.3739	-2.26	12-12	R22	178.6576	-2.11	9-	7	R20	179.0519	-2.00	7- 4 P19		
177.5638	-3.00	13.-14	Q22	-177.8442	-3.53	8-	6	P34	-178.3815	-3.34	8-	6	R49	178.6598	-2.41	7-	4	P8	179.0539	-2.21	11-10 R13	
177.5642	-2.57	4-	0	P 3	177.8474	-2.74	12-12	R13	178.3829	-3.19	13-14	P30	178.6604	-1.85	7-	4	O12	179.0640	-2.69	11-10 P 6		
177.5665	-3.40	10-	9	Q27	177.8480	-2.63	12-12	Q 9	178.3879	-2.64	9-	7	R4	178.6619	-1.96	9-	7	Q15	-179.0667	-3.38	8- 6 P47	
177.5705	-1.70	4-	0	Q 7	177.8490	-1.26	4-	0	Q20	178.3885	-2.76	9-	7	R3	-178.6745	-3.31	8-	6	R52	179.0676	-2.11	11-10 Q 9
177.5719	-1.60	4-	0	R17	-177.8559	-3.39	8-	6	R43	178.3890	-2.61	9-	7	R5	178.6764	-1.93	7-	4	R19	179.0734	-1.56	7- 4 Q24
177.5809	-2.40	4-	0	P 4	177.8635	-3.13	12-12	P 7	178.3914	-2.85	9-	7	R2	178.6846	-2.41	9-	7	P12	179.0798	-2.98	15-17 K 2	
177.5841	-1.64	4-	0	Q 8	177.8637	-1.73	4-	0	P15	178.3922	-2.55	9-	7	R6	178.6852	-1.82	7-	4	Q13	179.0801	-2.46	12-12 P29
177.5927	-1.57	4-	0	R18	-177.8648	-1.39	4-	0	P27	178.3924	-1.67	4-	0	P27	178.6864	-2.35	7-	4	P9	179.0802	-2.19	11-10 R14
177.5932	-3.98	6-	3	P28	177.8731	-2.59	12-12	O10	178.3965	-2.98	9-	7	R1	178.6875	-2.17	12-12	Q27	179.0820	-2.89	15-17 R 3		
-177.5953	-1.06	7-	5	Q57	177.8732	-1.40	4-	0	R28	178.3968	-2.46	9-	7	R26	178.6892	-2.09						

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
-179.2180	-1.92	9-	7	R32	179.4409	-2.76	14-15	O 2	179.6915	-2.02	14-15	Q13	-1.58	-1.58	7-	4	R45	-180.3216	-1.93	11-10	P30			
179.2191	-1.51	7-	4	Q27	179.4414	-1.23	5-	1	R21	-179.6935	-1.40	7-	4	Q35	-180.0127	-1.80	9-	7	R43	-180.3220	-2.08	13-13	R14	
179.2230	-2.31	15-	17	O 9	179.4454	-1.69	5-	1	P 9	179.6972	-2.38	15-	17	P17	180.0144	-1.99	11-10	P26	-180.3235	-1.89	9-	7	P38	
179.2235	-2.81	15-	17	P 7	179.4470	-1.98	11-10	R24	179.6978	-1.10	5-	1	R29	180.0174	-2.44	17-21	O 7	180.3306	-2.36	17-21	R16			
179.2257	-2.07	11-10	R19	179.4478	-2.50	14-15	R 7	179.7016	-0.94	5-	1	Q22	180.0178	-2.57	17-21	R 9	-180.3308	-1.53	9-	7	Q42			
179.2270	-2.44	15-	17	R12	179.4501	-2.61	14-15	R 3	179.7081	-2.45	14-15	P11	180.0233	-1.23	5-	1	P24	180.3316	-2.13	14-15	P22			
179.2248	-1.75	5-	1	R 5	179.4512	-1.78	11-10	Q20	179.7082	-2.21	15-	17	R22	180.0297	-1.91	17-21	P 6	180.3324	-2.44	13-13	P 8			
179.2241	-1.69	5-	1	R 6	-179.4517	-1.66	9-	7	Q31	179.7083	-1.39	5-	1	P17	180.0306	-1.90	15-17	Q24	180.3446	-1.92	13-13	O11		
179.2247	-1.82	5-	1	R 4	179.4546	-2.04	9-	7	P27	-179.7232	-1.90	11-10	R29	180.0315	-2.06	14-15	R23	180.3494	-1.13	5-	1	P30		
179.2240	-1.90	11-10	Q15	179.4558	-1.13	5-	1	P14	179.7248	-1.68	11-10	Q25	180.0320	-1.84	14-15	Q20	180.3509	-2.53	17-21	P13				
179.2249	-1.66	5-	1	R 7	179.4564	-3.45	14-15	P 2	179.7249	-2.18	14-15	R17	180.0472	-1.72	7-	4	P35	180.3515	-1.55	7-	4	R49		
179.2244	-1.90	5-	1	R 3	179.4611	-2.50	14-15	O 4	-179.7279	-1.62	7-	4	R41	180.0485	-2.38	17-21	O 8	180.3534	-2.05	13-13	R15			
179.2248	-1.60	5-	1	R 8	179.4631	-2.45	14-15	R 8	179.7316	-1.99	14-15	Q14	180.0488	-2.26	15-17	P22	180.3539	-1.67	7-	4	P39			
179.2245	-1.99	5-	1	R 2	179.4653	-2.09	15-17	O15	-179.7372	-1.98	9-	7	P31	180.0487	-1.56	9-	7	Q39	180.3660	-1.75	14-15	Q25		
179.2250	-2.35	11-10	P12	179.4653	-2.19	11-10	P17	179.7377	-1.60	9-	7	Q35	180.0507	-2.53	17-21	R10	180.3645	-2.38	13-13	P 9				
179.2255	-1.91	11-10	Q15	179.4657	-1.66	7-	4	R37	179.7396	-1.78	7-	4	P31	180.0519	-0.81	5-	1	Q30	-180.3727	-1.55	11-10	Q34		
179.2252	-1.71	7-	4	P23	-179.4657	-1.66	7-	4	R37	179.7396	-1.78	7-	4	P31	180.0519	-0.81	5-	1	Q30	-180.3727	-1.55	11-10	Q34	
179.2250	-1.55	5-	1	R 9	179.4726	-1.64	5-	1	P10	179.7471	-1.97	15-17	Q20	-180.0589	-1.61	11-10	Q30	-180.3771	-1.30	7-	4	Q44		
179.2251	-2.12	5-	1	R 1	179.4733	-3.15	14-15	P 3	179.7483	-1.37	5-	1	P18	180.0598	-1.92	9-	7	P35	180.3794	-2.12	17-21	Q15		
179.2259	-2.09	9-	7	P24	179.4740	-2.51	15-17	P13	179.7516	-2.07	11-10	P22	180.0631	-2.22	14-15	P18	180.3874	-2.03	13-13	R16				
179.2267	-1.52	5-	1	R10	-179.4750	-1.88	9-	7	R36	179.7518	-2.41	14-15	P2	180.0637	-2.84	17-21	P7	180.3883	-2.19	15-17	P26			
179.2268	-2.26	15-	17	O10	179.4755	-2.41	14-15	O 5	-179.7563	-3.33	8-	6	P53	180.0754	-1.22	5-	1	P25	180.3916	-2.33	17-21	R17		
179.2260	-1.70	9-	7	Q28	179.4796	-1.84	7-	4	P27	179.7608	-2.35	15-17	P18	180.0835	-2.33	17-21	O 9	180.3995	-2.33	13-13	P10			
179.2261	-2.29	5-	1	R 0	179.4808	-1.10	5-	1	Q15	-179.7625	-1.39	7-	4	Q36	180.0872	-2.50	17-21	R11	-180.4031	-1.91	11-10	P31		
179.2265	-2.74	15-	17	P 8	179.4811	-2.41	14-15	R 9	179.7686	-2.15	14-15	R18	180.0877	-1.98	11-10	P27	180.4058	-2.11	14-15	P23				
179.2268	-3.02	8-	6	Q53	179.4823	-2.28	15-17	R18	-179.7691	-1.83	9-	7	K40	180.0927	-1.82	14-15	Q21	180.4106	-1.85	13-13	Q13			
179.2262	-1.48	5-	1	R 11	179.4933	-2.98	14-15	P 4	179.7738	-1.96	14-15	Q15	180.0928	-2.04	14-15	R42	180.4126	-2.50	17-21	P14				
179.2270	-2.41	15-	17	R13	179.4934	-2.34	14-15	O 6	179.7738	-2.19	15-17	R23	180.0996	-1.79	9-	7	R44	180.4140	-1.52	9-	7	Q43		
179.2273	-1.13	1-50	7-	Q24	179.4964	-1.20	5-	1	R23	179.7780	-0.91	5-	1	Q24	180.1016	-1.57	7-	4	R46	-180.4183	-1.88	9-	7	P39
179.2277	-2.05	11-10	R20	179.4979	-1.96	11-10	R25	179.7868	-1.67	11-10	Q26	180.1017	-2.77	17-21	P8	180.4191	-1.12	5-	1	P31				
179.2279	-2.12	5-	1	O 1	-179.4996	-1.44	7-	4	Q32	-179.7887	-1.89	11-10	R30	180.1075	-1.71	7-	4	P36	180.4242	-2.01	13-13	R17		
179.2287	-1.90	5-	1	Q 2	179.5017	-1.76	11-10	Q21	179.7899	-1.34	5-	1	P19	180.1092	-1.88	15-17	Q25	180.4368	-2.29	13-13	P11			
179.2279	-1.45	5-	1	R12	179.5018	-1.60	5-	1	P11	179.7929	-2.38	14-15	P13	180.1231	-2.29	17-21	Q10	-180.4399	-1.54	7-	4	R50		
179.2280	-1.90	9-	7	R33	-179.5026	-3.00	8-	6	O55	-179.7985	-1.61	7-	4	R42	180.1258	-2.20	14-15	P19	-180.4400	-1.66	7-	4	P40	
179.2282	-1.87	11-10	Q16	179.5031	-2.38	14-15	R10	179.8096	-2.05	11-10	P23	180.1278	-2.47	17-21	R12	180.4426	-2.09	17-21	R16					
179.2284	-3.36	8-	6	P49	179.5075	-1.08	5-	1	O16	-179.8097	-1.76	7-	4	P32	180.1285	-2.24	15-17	P23	180.4473	-1.82	13-13	Q14		
179.2284	-1.75	5-	1	Q 3	179.5134	-2.28	14-15	O 7	179.8129	-1.95	15-17	Q21	180.1299	-2.20	5-	1	P26	180.4567	-2.31	17-21	R18			
179.2289	-1.70	7-	4	R34	-179.5144	-3.35	8-	6	P51	-179.8133	-1.59	9-	7	Q36	180.1313	-1.33	7-	4	Q41	180.4634	-1.98	13-13	R18	
179.2294	-2.31	11-10	P13	179.5152	-2.85	14-15	P 5	-179.8148	-1.96	9-	7	P32	180.1341	-1.59	11-10	Q31	-180.4650	-1.29	7-	4	Q45			
179.2297	-1.42	5-	1	R13	179.5155	-2.07	15-17	O16	179.8154	-2.14	14-15	P15	180.1341	-1.59	11-10	Q31	-180.4650	-1.29	7-	4	Q45			
179.2296	-1.64	5-	1	Q 4	179.5190	-2.02	9-	7	P28	-179.8192	-1.38	7-	4	Q37	180.1432	-1.55	9-	7	R40	180.4744	-2.07	8-	5	R5
179.2297	-2.22	15-	17	Q11	179.5191	-2.16	11-10	R18	179.8197	-1.94	14-15	Q16	180.1433	-2.71	17-21	P9	180.4761	-2.01	8-	5	R6			
179.2298	-2.60	5-	1	P 2	-179.5204	-1.64	9-	7	Q32	179.8208	-0.89	5-	1	Q25	180.1481	-1.91	9-	7	P36	180.4764	-2.21	13-13	P 3	
179.3012	-2.68	15-17	P 9	179.5225	-2.34	14-15	R11	179.8283	-2.33	15-17	P19	180.1527	-2.59	13-13	R3	180.4769	-2.24	13-13	P12					
179.3016	-1.55	5-	1	Q 5	179.5251	-2.47	15-17	P14	179.8332	-1.32	5-	1	P20	180.1531	-2.68	13-13	R2	180.4784	-2.47	17-21	P15			
179.3039	-1.39	5-	1	R14	179.5272	-1.18	5-	1	R24	179.8416	-2.17	15-17	R24	180.1549	-2.51	13-13	R4	180.4799	-1.96	8-	5	R7		
179.3052	-2.38	15-17	R14	-179.5285	-1.65	7-	4	R38	179.8421	-2.34	14-15	P14	180.1559	-2.81	13-13	R1	180.4802	-2.31	8-	5	R2			
179.3056	-1.89	7-	4	P24	179.5321	-1.55	5-	1	P12	179.8518	-1.65	11-10	Q27	180.1560	-1.80	14-15	Q22	180.4820	-2.17	15-17	P27			
179.3067	-2.03	11-10	R21	179.5334	-2.26	15-17	R19	-179.8526	-1.87	11-10	R31	180.1597	-2.44	13-13	R5	180.4833	-2.09	14-15	P24					
179.3125	-1.48	5-	1	Q 6	179.5356	-1.05	5-	1	O17	-179.8526	-1.82	9-	7	R41	180.1619	-2.98	13-13	R0	180.4858	-1.91	8-	5	R8	
179.3141	-2.29	5-	1	P 3	179.5384	-2.22	14-15	O 8	179.8615	-0.87	5-	1	Q26	180.1639	-1.96	11-10	P28	180.4862	-2.43	8-	5	R1		
179.3188	-1.37	5-	1	R15	179.5413	-2.76	14-15	P 6	179.8652	-2.11	14-15	R20	180.1665	-2.25	17-21	Q11	180.4873	-1.79	13-13	Q15				
179.3208	-2.06	9-	7	P25	179.5418	-1.82	7-	4																

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
180.5968	-1.92	13-13	R21	180.9211	-1.95	10- 8	P14	181.2758	-1.21	6- 2	Q13	181.5620	-2.79	18-23	R 5	-181.9391	-1.59	10- 8	P31
180.6011	-1.66	8- 5	R16	180.9223	-1.46	8- 5	P26	181.2761	-2.67	12-11	R 1	181.5626	-1.15	6- 2	R29	181.9403	-2.90	16-18	K 1
180.6022	-2.21	8- 5	P 6	180.9290	-1.25	7- 4	Q50	181.2811	-2.25	12-11	R 6	181.5630	-1.48	8- 5	P28	-181.9466	-1.21	10- 8	Q35
180.6035	-2.76	10- 8	P 3	180.9354	-1.49	10- 8	Q18	181.2824	-2.85	12-11	R 0	181.5679	-3.34	18-23	P 3	181.9469	-2.68	16-18	Q 2
180.6086	-1.95	10- 8	O 6	180.9355	-1.66	10- 8	R23	181.2893	-1.74	6- 2	P 9	181.5695	-1.66	10- 8	P26	-181.9494	-1.03	8- 5	Q38
-180.6086	-1.85	9- 7	P41	180.9499	-1.28	8- 5	Q21	181.2894	-2.20	12-11	R 7	-181.5746	-1.31	8- 5	R38	181.9514	-2.48	16-18	R 6
-180.6091	-1.50	9- 7	Q45	180.9583	-1.98	13-13	P21	181.2917	-1.16	8- 5	Q28	181.5752	-2.68	18-23	Q 4	181.9557	-2.43	18-23	R14
180.6095	-1.59	8- 5	Q10	180.9602	-2.31	17-21	P21	181.2923	-1.28	6- 2	R21	181.5798	-1.83	12-11	R19	181.9573	-2.54	16-18	Q 3
180.6127	-2.14	13-13	P15	180.9631	-1.92	10- 8	P15	181.2937	-2.67	12-11	Q 1	181.5853	-2.13	12-11	P12	181.9621	-3.38	16-18	P 2
180.6131	-1.92	10- 8	R12	180.9636	-1.71	8- 5	P17	-181.2942	-1.56	10- 8	R30	-181.5855	-1.28	10- 8	Q30	181.9652	-2.43	16-18	Q 4
-180.6164	-1.64	7- 4	P42	180.9660	-1.45	8- 5	R27	181.2986	-2.45	12-11	O 2	181.5860	-2.74	18-23	R 6	181.9671	-2.43	16-18	R 7
-180.6187	-1.52	7- 4	R52	180.9663	-1.60	13-13	Q24	181.2998	-1.18	6- 2	Q14	181.5866	-1.66	12-11	Q15	181.9689	-1.48	12-11	Q23
180.6214	-2.59	10- 8	P 4	180.9773	-1.47	8- 8	O19	181.3000	-2.15	12-11	R 8	181.5901	-2.60	18-23	K 5	181.9696	-0.84	6- 2	Q31
180.6223	-2.41	17-21	P17	180.9864	-1.65	10- 8	R24	181.3059	-2.30	12-11	Q 3	181.5941	-0.97	6- 2	Q23	181.9698	-2.21	18-23	Q13
180.6226	-1.72	13-13	Q18	180.9926	-2.26	8- 5	P22	181.3065	-1.57	7- 4	P24	-181.5943	-1.09	8- 5	Q33	181.9738	-2.60	18-23	P12
180.6239	-1.89	10- 8	Q 7	180.9977	-1.60	7- 4	P46	181.3133	-2.11	12-11	R 9	181.5948	-3.16	18-23	P 4	181.9796	-3.08	16-18	P 3
180.6244	-1.63	8- 5	R17	181.0075	-1.89	10- 8	P16	181.3157	-2.20	12-11	Q 4	181.5971	-1.41	6- 2	P18	-181.9804	-1.52	7- 4	P55
180.6254	-2.13	8- 5	P 7	181.0081	-1.68	8- 5	P18	181.3162	-3.15	12-11	P 2	181.5996	-1.13	6- 2	R30	181.9815	-1.87	12-11	P20
180.6308	-1.55	8- 5	Q11	181.0103	-1.43	8- 5	R28	181.3165	-1.69	6- 2	P10	181.6147	-2.68	18-23	R 7	181.9840	-2.34	16-18	Q 5
180.6323	-1.89	10- 8	R13	181.0204	-1.45	8- 5	R20	181.3170	-1.55	8- 5	P24	-181.6168	-1.49	8- 8	R35	181.9853	-2.38	16-18	K 8
180.6412	-1.83	10- 8	Q 8	181.0225	-1.81	9- 7	P45	181.3185	-1.74	10- 8	P22	181.6202	-1.81	12-11	R20	-181.9946	-1.39	8- 5	P34
180.6417	-2.46	10- 8	P 5	181.0254	-1.96	13-13	P22	181.3206	-1.26	6- 2	R22	181.6256	-2.53	18-23	Q 6	181.9999	-1.24	6- 2	P26
-180.6439	-1.28	7- 4	P47	181.0311	-1.24	7- 4	Q51	181.3218	-1.89	13-13	P26	181.6282	-3.04	18-23	P 5	182.0008	-2.90	16-18	P 4
180.6449	-2.06	14-15	P26	181.0337	-1.63	10- 8	R25	-181.3234	-1.36	8- 5	R34	181.6284	-2.07	12-11	P13	182.0043	-2.27	16-18	Q 6
180.6479	-1.91	13-13	R22	181.0339	-1.58	13-13	O25	181.3256	-1.15	6- 2	O15	181.6296	-1.63	12-11	O16	182.0075	-2.34	16-18	K 9
180.6496	-1.61	8- 5	R18	181.0373	-1.24	8- 5	Q23	181.3262	-2.07	12-11	R10	181.6302	-1.46	8- 5	P29	-182.0126	-1.25	8- 5	R44
180.6504	-2.07	8- 5	P 8	181.0543	-1.81	10- 8	P17	181.3279	-2.11	12-11	Q 5	-181.6333	-1.55	7- 4	P52	-182.0157	-1.57	10- 8	P32
180.6538	-1.86	10- 8	R14	181.0547	-1.66	8- 5	P19	-181.3305	-1.34	10- 8	Q26	181.6356	-0.95	6- 2	Q24	182.0196	-2.78	16-18	P 5
180.6539	-1.51	8- 5	Q12	181.0593	-1.42	8- 5	R29	181.3324	-2.85	12-11	P 3	-181.6398	-1.65	10- 8	P27	182.0244	-2.41	18-23	R15
180.6575	-2.02	17-21	Q19	181.0669	-1.43	10- 8	O21	-181.3404	-1.22	7- 4	Q54	181.6400	-1.38	6- 2	P19	182.0259	-0.83	6- 2	Q32
180.6610	-1.78	10- 8	Q 9	181.0841	-1.22	8- 5	P24	181.3427	-2.04	12-11	O 6	-181.6408	-1.30	8- 5	R39	-182.0275	-1.01	8- 5	Q39
180.6638	-2.11	13-13	R22	181.0846	-1.79	6- 2	R5	181.3456	-1.64	6- 2	P11	181.6439	-1.12	6- 2	R31	182.0275	-2.20	16-18	Q 7
180.6639	-2.36	10- 8	P 6	181.0850	-1.74	6- 2	R6	181.3466	-2.04	12-11	R11	181.6473	-2.64	18-23	R 8	-182.0278	-1.20	8- 8	Q36
-180.6705	-1.87	11-10	P34	181.0854	-1.62	10- 8	R26	181.3478	-1.14	8- 5	Q29	-181.6488	-1.26	10- 8	Q31	182.0283	-1.46	16-18	Q24
180.6729	-1.69	13-13	Q19	181.0864	-1.86	6- 2	R4	181.3510	-2.67	12-11	P 4	181.6537	-2.94	18-23	P 6	182.0329	-2.30	16-18	R10
180.6768	-1.59	8- 5	R19	181.0864	-1.59	7- 4	P47	181.3516	-1.24	6- 2	R23	181.6602	-2.46	18-23	Q 7	182.0394	-2.18	18-23	Q14
180.6774	-2.01	8- 5	P 9	181.0866	-1.69	6- 2	R7	181.3528	-1.12	6- 2	Q16	181.6613	-1.61	12-11	Q17	182.0403	-1.22	6- 2	P27
180.6777	-1.83	10- 8	R15	181.0891	-1.94	6- 2	R3	-181.3536	-1.54	10- 8	R31	181.6626	-1.07	8- 5	Q34	182.0426	-1.85	12-11	P21
180.6789	-1.48	8- 5	Q13	181.0899	-1.64	6- 2	R8	-181.3564	-1.78	9- 7	P48	181.6635	-1.79	12-11	R21	182.0437	-2.56	18-23	P13
180.6827	-1.74	10- 8	Q10	181.0939	-1.94	13-13	P23	181.3599	-1.97	12-11	Q 7	181.6725	-2.04	18-23	R 2	182.0473	-1.68	16-18	P 6
180.6884	-2.28	10- 8	P 7	181.0948	-2.04	6- 2	R2	181.3681	-2.00	12-11	R12	181.6794	-0.93	6- 2	Q25	182.0541	-2.15	16-18	Q 8
180.7005	-2.38	17-21	P18	181.0951	-1.60	6- 2	R9	181.3720	-2.55	12-11	P 5	181.6847	-1.36	6- 2	P20	182.0613	-2.27	16-18	R11
180.7013	-1.89	13-13	R23	181.1011	-1.56	13-13	Q26	181.3756	-1.53	8- 5	P25	181.6861	-2.60	18-23	R 9	-182.0666	-1.38	8- 5	P35
180.7042	-1.81	10- 8	R16	181.1016	-2.16	6- 2	R1	181.3763	-1.60	6- 2	P12	-181.6883	-1.48	10- 8	R36	182.0605	-2.60	16-18	P 7
180.7058	-1.57	8- 5	R20	181.1020	-1.56	6- 2	R10	181.3787	-1.72	10- 8	P23	181.6900	-1.45	8- 5	P30	182.0832	-2.10	16-18	Q 9
180.7059	-1.45	8- 5	Q14	181.1033	-1.63	8- 5	P20	181.3795	-1.92	12-11	Q 8	181.6995	-2.41	18-23	Q 8	182.0879	-2.72	15-16	K 2
180.7065	-1.96	8- 5	P10	181.1037	-1.83	10- 8	P19	181.3795	-1.34	8- 5	R35	181.6998	-2.86	18-23	P 7	182.0887	-2.62	15-16	R 3
180.7067	-1.70	10- 8	Q11	181.1079	-1.41	8- 5	R30	181.3821	-1.10	6- 2	Q17	181.7080	-1.58	12-11	Q18	182.0895	-2.84	15-16	R 1
-180.7096	-1.84	9- 7	P42	181.1102	-2.34	6- 2	R34	181.3906	-1.22	6- 2	R24	181.7094	-1.77	12-11	R22	182.0906	-1.44	12-11	Q25
180.7096	-1.63	7- 4	P43	181.1104	-1.53	6- 2	R11	181.3912	-1.97	12-11	R13	181.7111	-1.29	8- 5	R40	182.0926	-2.54	15-16	K 4
180.7112	-1.49	9- 7	Q46	181.1156	-1.41	10- 8	P22	-181.3934	-1.32	10- 8	Q27	181.7146	-1.63	10- 8	P28	-182.0932	-1.24	8- 5	R45
180.7151	-2.22	10- 8	P 8	181.1208	-1.49	6- 2	R12	181.3955	-2.45	12-11	P 6	181.7181	-2.00	12-11	P15	182.0939	-2.23	16-18	R12
180.7173	-2.08	13-13	P17	181.1222	-1.60	10- 8	R27	181.4014	-1.87	12-11	Q 9	181.7253	-0.92	6- 2	Q26	-182.0983	-1.56	10- 8	P33
180.7262	-1.67	13-13	Q20	181.1254	-1.94	6- 2	O2	181.4071	-1.21	6- 2	R25	181.7294	-2.56	18-23	R 10	182.0997	-2.38	18-23	R16
180.7329	-1.66	10- 8	Q12	181.1306	-1.23	7- 4	P52	181.4084	-1.13	8- 5</									

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ																																			
182,2430	-2.54	15-16	P 7	182,5636	-1.79	16-18	O19	182,7902	-2.15	17-20	R18	183,0129	-1.87	7-3	R11	183,2727	-1.89	14-14	R23	182,2561	-2,13	16-18	R16	182,5637	-1.77	15-16	O17	182,7925	-2.15	11-9	R 8	183,0174	-1.67	16-18	Q25	183,2732	-1.54	11-9	Q20																				
-182,2631	-1,22	8- 5	R47	182,5640	-2.51	17-20	P10	182,7940	-1.95	17-20	Q16	183,0202	-2.51	7- 3	O 1	183,2745	-2.09	14-14	P17	182,2643	-2,14	15-16	R13	182,5678	-2.54	9- 6	O 1	182,7963	-2.67	11-9	O 1	183,0205	-1.99	14-14	R18	183,2810	-1.94	7- 3	P12																				
182,2680	-2.00	15-16	O10	182,5682	-1.98	15-16	R20	182,7989	-1.52	9- 6	O15	183,0232	-9.1	8- 5	Q50	183,2869	-1.69	9- 6	P22	-182,2732	-0.98	8- 5	P42	182,5703	-2.18	16-18	P17	182,8002	-1.69	15-16	O21	183,0234	-2.25	14-14	P12	183,2889	-1.94	15-16	P25																				
-182,2733	-1.53	10- 8	P35	182,5719	-2.28	17-20	R14	182,8010	-2.45	11- 9	Q 2	183,0240	-1.84	7- 3	R12	183,2906	-1.68	14-14	Q20	182,2751	-2,47	15-16	P 8	182,5720	-2.32	9- 6	Q 2	182,8035	-2.11	11- 9	R 9	183,0241	-2.29	7- 3	O 2	183,2906	-1.24	8- 5	P48																				
182,2791	-2.99	17-20	P 1	182,5728	-1.94	9- 6	R10	182,8057	-2.06	14-14	Q 8	183,0266	-1.16	8- 5	R55	183,2917	-1.44	7- 3	Q17	182,2793	-2.86	17-20	R 2	182,5780	-2.17	9- 6	O 3	182,8078	-2.02	9- 6	P11	183,0269	-2.04	16-18	P23	183,2960	-1.72	11- 9	R25																				
182,2807	-2.09	18-23	O17	182,5781	-2.07	17-20	Q12	182,8080	-2.31	11- 9	O 3	183,0273	-1.38	9- 6	Q21	183,2991	-1.57	7- 3	R24	182,2818	-1.92	16-18	O14	182,5789	-2.38	18-23	P19	182,8127	-2.15	14-14	R12	183,0291	-2.14	7- 3	Q3	182,2827	-3.16	17-20	R 0	182,5843	-2.17	15-16	P15	182,8130	-1.65	9- 6	R21	183,0312	-1.81	9- 6	P17	183,3010	-1.95	11- 9	P17				
182,2829	-2.77	17-20	R 3	182,5861	-2.06	9- 6	Q 4	182,8151	-2.59	14-14	P 6	183,0333	-1.69	11- 9	Q 5	183,3025	-1.98	16-18	P26	182,2834	-2.34	16-18	P12	182,5877	-1.31	8- 5	P41	182,8169	-2.20	11- 9	Q 4	183,0366	-2.03	7- 3	O 4	183,3143	-1.48	9- 6	R32																				
182,2858	-2.46	18-23	P16	182,5883	-1.90	9- 6	R11	182,8172	-2.07	11- 9	R10	183,0371	-1.81	7- 3	R13	183,3145	-1.91	7- 3	P13	182,2910	-2.69	17-20	R 4	182,5913	-3.02	9- 6	P 2	182,8195	-1.35	11- 9	P 2	183,0390	-1.80	14-14	Q15	183,3213	-1.52	11- 9	Q21																				
182,2919	-1.16	6- 2	P31	182,5921	-1.84	9- 6	R13	182,8196	-0.92	8- 5	Q48	183,0417	-1.83	11- 9	R19	183,3237	-1.42	7- 3	Q18	182,2935	-2.99	17-20	I 1	182,5973	-1.97	9- 6	O 5	182,8201	-1.95	16-18	R25	183,0437	-2.00	15-16	P22	183,3282	-1.28	9- 6	Q27																				
182,2984	-2.11	15-16	R14	182,5997	-2.00	16-18	R22	182,8230	-1.17	8- 5	R53	183,0443	-2.98	7- 3	P2	183,3319	-1.88	14-14	R24	182,3007	-2.77	17-20	R 2	182,6073	-2.72	9- 6	P 3	182,8243	-1.50	9- 6	Q16	183,0454	-1.94	7- 3	Q5	183,3332	-2.06	14-14	P18																				
182,3022	-2.62	17-20	R 5	182,6116	-2.47	17-20	P11	182,8284	-2.11	11- 9	P 5	183,0517	-1.78	7- 3	R14	183,3435	-1.88	8- 5	P53	182,3048	-2.10	16-18	R17	182,6122	-1.84	9- 6	Q 7	182,8307	-2.01	14-14	P 9	183,0527	-2.24	17-20	P18	183,3436	-1.67	9- 6	P23																				
182,3103	-2.42	15-16	P 9	182,6182	-1.75	15-16	O18	182,8329	-2.04	11- 9	R11	183,0548	-1.55	9- 6	R27	183,3468	-1.70	11- 9	R26	182,3112	-1.77	12-11	P 11	182,6191	-1.81	9- 6	R14	182,8357	-2.85	11- 9	P 3	183,0560	-1.87	7- 3	Q 6	183,3491	-1.66	14-14	Q21																				
182,3117	-2.62	17-20	O 3	182,6208	-2.24	17-20	R15	182,8404	-2.12	14-14	R13	183,0602	-2.68	7- 3	P 3	183,3498	-1.87	7- 3	P14	182,3131	-3.47	17-20	P 2	182,6246	-1.96	15-16	R21	182,8410	-2.32	17-20	P15	183,0661	-1.97	14-14	R19	183,3514	-1.92	11- 9	P18																				
182,3173	-2.56	17-20	R 6	182,6250	-2.54	9- 6	P 4	182,8419	-2.04	11- 9	Q 6	183,0675	-2.15	11- 9	P11	183,3337	-1.55	7- 3	K25	182,3180	-1.34	8- 5	P38	182,6263	-2.03	17-20	O13	182,8429	-2.51	14-14	P 7	183,0684	-1.75	7- 3	R15	183,3579	-1.39	7- 3	O19																				
182,3261	-0.51	17-20	Q 4	182,6270	-1.19	8- 5	R51	182,8436	-1.97	9- 6	P12	183,0684	-2.21	14-14	P13	183,3710	-1.54	7- 3	R26	182,3315	-1.89	16-18	O15	182,6310	-1.77	16-18	Q20	182,8483	-1.64	9- 6	R22	183,0685	-1.81	7- 3	Q18	182,3331	-3.16	17-20	P 3	182,6317	-1.94	8- 5	Q46	182,8509	-2.01	11- 9	R12	183,0716	-1.85	17-20	Q20	183,3724	-1.47	9- 6	R33				
182,3337	-2.30	16-18	P13	182,6369	-1.79	9- 6	Q 8	182,8510	-1.71	16-18	O23	183,0721	-1.36	9- 6	Q22	183,3853	-1.26	9- 6	P28	182,3357	-2.09	15-16	R15	182,6380	-2.15	16-18	P18	182,8542	-2.67	11- 9	P 4	183,0774	-2.51	7- 3	P15	182,3360	-2.51	17-20	R 7	182,6405	-2.14	15-16	R21	182,8572	-1.92	14-14	R19	183,0782	-1.81	11- 9	R20	183,3937	-1.37	7- 3	Q20				
182,3371	-1.92	15-16	O12	182,6426	-1.79	9- 6	R15	182,8574	-1.92	17-20	Q17	183,0783	-1.26	8- 5	P46	183,3940	-1.86	14-14	R25	182,3450	-2.42	17-20	R 5	182,6450	-2.41	9- 6	P 5	182,8579	-1.98	11- 9	Q 7	183,0791	-1.79	9- 6	P18	183,3944	-2.04	14-14	P19	182,3485	-2.36	15-16	P10	182,6667	-1.68	10- 8	P39	182,8586	-1.97	14-14	P10	183,0827	-1.75	7- 3	Q 8	183,4001	-1.69	11- 9	R27
182,3506	-1.21	8- 5	R48	182,6571	-1.74	9- 6	O 9	182,8606	-2.08	16-18	P21	183,0833	-2.11	11- 9	P12	183,4004	-1.23	8- 5	P49	182,3529	-1.15	6- 2	P32	182,6634	-2.42	17-20	P12	182,8640	-1.47	11- 9	P 17	183,0853	-1.36	9- 6	Q28	182,3550	-0.99	17-20	P 4	182,6668	-1.76	11- 9	R16	182,8677	-1.67	15-16	Q22	183,0867	-1.73	7- 3	R16	183,4026	-1.65	9- 6	P24				
182,3563	-2.08	16-18	R18	182,6680	-2.32	9- 6	P 6	182,8708	-2.09	14-14	R14	183,0969	-2.38	7- 3	P 5	183,4042	-1.90	11- 9	P19	182,3563	-0.97	8- 5	P43	182,6732	-2.21	17-20	R16	182,8732	-2.45	14-14	P 8	183,0979	-1.97	11- 9	Q 7	183,4094	-1.52	7- 3	R27	182,3613	-1.52	10- 8	P36	182,6755	-1.73	15-16	Q19	182,8747	-2.55	11- 9	P 5	183,1039	-1.63	11- 9	Q 16	183,4247	-1.48	11- 9	Q23
182,3670	-2.35	17-20	G 6	182,6784	-2.00	17-20	R14	182,8752	-1.28	8- 5	P44	183,1046	-1.66	16-18	O26	183,4258	-1.81	7- 3	P16	182,3759	-2.43	18-23	P17	182,6879	-1.69	9- 6	Q 17	182,8871	-1.92	11- 9	R21	183,0876	-1.87	17-20	P20	183,4374	-1.26	9- 6	P27																				
182,3760	-0.99	17-20	P 4	182,6868	-1.76	9- 6	R16	182,8866	-1.87	11- 9	R14	183,0887	-1.75	14-14	R16	183,4375	-1.35	7- 3	Q21	182,3760	-2.07	18-23	Q18	182,6881	-1.30	8- 5	P42	182,8878	-1.87	11- 9	R16	183,0967	-1.71	7- 3	R17	183,4377	-1.35	7- 3	Q21																				
182,3761	-2.06	15-16	R16	182,6919	-2.51	14-14	R4	182,8896	-2.04	15-16	P20	183,1192	-1.34	9- 6	Q23	183,4376	-1.86	11- 9	P19	182,3761	-1.68	15-16	R16	182,6936	-2.17	14-14	P 4	182,8978	-2.45	11- 9	P 6	183,1222	-2.07	11- 9	P11	183,4377	-1.87	11- 9	P20																				
182,3764	-2.27	16-18	P14	182,7087	-2.13	16-18	P12	182,9025	-1.80	9- 6	P12	183,1355	-1.87	9- 6	P15	183,4453	-1.25	8- 5	R56	182,3765	-2.35	17-20	R11	182,7151	-1.59	9- 6	R18	182,9020	-1.82	14-14	P18	183,4455	-1.51	9- 6	R35																								
182,3773	-2.47	17-20	R20	182,7151	-2.59	14-14	Q 2	182,9228	-2.37	11- 9	P 7	183,1427	-1.61	11- 9	Q 17	183,5038	-1.95	16-18	P28	182,3773	-2.29	17-20	R17	182,9078	-1.39	11- 9	Q21	182,4127	-2.06	16-18	R19	182,7051	-2.39	14-14	R6	182,9078	-2.29	17-20	P16	183,1309	-1.75	14-14	Q23																
182,4146	-1.88	16-18	Q17	182,7196	-1.72	9- 6	R18	182,9251	-1.90	11- 9	R18	183,1314	-2.21	11- 9	R15	183,4746	-1.62	14-14	Q23	182,4187	-1.88	15-16	O14	182,7064	-2.17	9- 6	R17	182,9192	-1.83	11- 9	O10	183,1335</																											

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	
183.6662	-2.52	13-12 R 5	184.1463	-2.34	5-0 R 10	-184.5142	-1.32	9-6 R 48	184.9510	-2.10	10-7 Q 15	185.1606	-2.64	1-12 S 5 P 6	183.6698	-1.24	7-3 Q27	184.1477	-2.57	5-0 R 5
183.6675	-1.66	7-3 P22	184.1482	-2.51	5-0 R 6	184.5384	-2.27	5-0 P15	184.9535	-3.09	8-4 R 6	185.1628	-2.65	8-4 R 20	-183.7011	-1.11	8-5 R 61	184.1501	-2.64	5-0 R 4
-183.7023	-3.07	13-12 R 0	184.1505	-1.80	13-12 Q18	184.5454	-1.78	5-0 Q21	184.9561	-3.30	8-4 R 3	185.1640	-3.09	8-4 R 9	183.7027	-2.46	13-12 R 6	184.1520	-2.46	5-0 R 7
-183.7030	-1.62	11-9 R32	184.1527	-2.22	13-12 P15	184.5593	-2.05	13-12 P22	184.9605	-3.40	8-4 R 2	185.1771	-2.14	10-7 R 26	183.7033	-1.19	9-6 Q33	184.1540	-2.72	5-0 R 3
-183.7034	-1.79	11-9 P24	184.1555	-2.30	5-0 R 11	184.5805	-1.76	5-0 Q22	184.9623	-2.69	16-17 R 9	185.1830	-2.53	8-4 Q14	183.7119	-2.41	13-12 R 7	184.1573	-1.12	9-6 Q39
183.7137	-2.89	13-12 Q 1	184.1598	-1.99	13-12 R22	-184.6071	-1.31	9-6 R 49	184.9670	-3.52	8-4 R 1	185.1862	-1.96	10-7 Q 21	183.7187	-2.67	13-12 O 2	184.1598	-2.81	5-0 R 2
183.7234	-2.37	13-12 R 8	184.1605	-1.35	9-6 R 44	184.6216	-1.15	8-5 P59	184.9680	-2.04	5-0 P25	185.1882	-1.97	5-0 P29	183.7248	-1.40	11-9 Q28	184.1623	-2.42	5-0 R 8
183.7264	-2.52	13-12 Q 3	184.1638	-1.52	7-3 P30	184.6239	-2.21	5-0 P17	184.9705	-2.23	10-7 R 21	185.1920	-2.64	8-4 R 21	-183.7278	-1.57	9-6 P29	184.1655	-2.27	5-0 R 12
183.7366	-3.37	13-12 P 2	184.1672	-2.94	5-0 R 1	184.6317	-1.43	9-6 P40	184.9761	-2.92	8-4 R 10	185.1932	-3.15	12-10 P 5	183.7367	-2.41	13-12 Q 4	184.1676	-1.85	14-14 P29
183.7377	-2.33	13-12 R 9	184.1708	-0.83	8-5 G60	184.6560	-1.73	5-0 Q24	184.9849	-2.07	10-7 Q16	185.1974	-2.48	16-17 R 16	-183.7408	-1.20	8-5 P52	184.1766	-3.11	5-0 R 0
183.7449	-1.93	14-14 P24	184.1771	-2.24	5-0 R13	184.6711	-2.75	10-7 R 5	184.9872	-2.65	16-17 R10	185.1985	-2.73	16-17 Q13	183.7491	-1.64	7-3 P23	184.1883	-1.48	9-6 P35
183.7496	-2.33	13-12 Q 5	184.1889	-2.94	5-0 O 1	184.6738	-2.69	10-7 R 6	184.9890	-3.13	16-17 P 5	185.2115	-2.51	8-4 Q15	183.7523	-1.23	7-3 Q28	184.1920	-2.21	5-0 R14
183.7530	-3.07	13-12 P 3	184.1923	-2.72	5-0 O 2	184.6787	-2.64	10-7 R 7	184.9899	-2.55	16-17 Q 7	185.2177	-2.47	12-10 Q 9	183.7544	-2.29	13-12 R10	184.1971	-2.57	5-0 O 3
183.7626	-1.55	14-14 Q27	184.1986	-2.16	5-0 R16	184.6812	-2.16	5-0 P19	184.9971	-3.15	8-4 Q 3	185.2237	-2.62	8-4 R 22	183.7648	-2.25	13-12 Q 6	184.2001	-1.78	13-12 Q19
-183.7667	-1.40	9-6 R39	184.2024	-2.19	13-12 P16	184.6855	-2.59	10-7 R 8	185.0049	-3.04	8-4 O 4	185.2240	-3.00	8-4 P 11	183.7703	-1.77	11-9 P25	184.2036	-2.46	5-0 O 4
183.7722	-2.89	13-12 P 4	184.2095	-1.97	13-12 R23	-184.6899	-1.06	9-6 Q45	185.0090	-1.94	13-12 P28	185.2331	-1.94	10-7 Q22	-183.7736	-1.18	9-6 O34	184.2120	-2.37	5-0 Q 5
183.7737	-2.25	13-12 R11	184.2127	-2.18	5-0 R15	184.6966	-1.71	5-0 Q25	185.0116	-4.00	8-4 P 2	185.2221	-1.26	9-6 R 55	183.7737	-2.25	13-12 R11	184.2127	-2.18	5-0 R15
183.7828	-2.19	13-12 Q 7	184.2139	-2.42	5-0 P 2	184.6996	-2.01	13-12 P24	185.0123	-2.82	8-4 R 13	185.2406	-1.36	9-6 P46	183.7897	-1.38	11-9 Q29	184.2203	-2.14	5-0 R17
183.7907	-1.38	11-9 Q29	184.2203	-2.14	5-0 R17	184.7002	-3.11	10-7 Q 0	185.0143	-2.62	16-17 R 11	185.2413	-2.48	8-4 Q16	183.7939	-2.77	13-12 P 5	184.2216	-2.30	5-0 O 6
183.7958	-2.22	13-12 R12	184.2218	-1.67	11-9 P31	184.7046	-2.89	10-7 Q 2	185.0176	-2.50	16-17 Q 8	185.2423	-2.52	12-10 R15	183.7979	-1.21	7-3 Q29	184.2285	-1.51	7-3 P31
-183.7996	-1.55	9-6 P30	184.2293	-1.17	8-5 P56	184.7109	-2.75	10-7 Q 3	185.0176	-1.28	9-6 R 53	185.2349	-2.27	16-17 Q14	183.8023	-0.85	8-5 Q57	184.2295	-3.11	5-0 P 3
183.8027	-1.62	7-3 P24	184.2337	-2.24	5-0 Q 7	184.7193	-2.64	10-7 Q 4	185.0212	-2.02	5-0 P26	185.2504	-1.95	5-0 P30	183.8035	-2.14	13-12 Q 8	184.2406	-2.11	5-0 R18
183.8183	-2.67	13-12 P 6	184.2407	-1.11	9-6 O40	184.7264	-1.41	9-6 P41	185.0280	-3.70	8-4 P 3	185.2559	-2.60	8-4 R 23	183.8204	-2.19	13-12 R13	184.2461	-1.34	9-6 R 45
183.8242	-1.91	14-14 P25	184.2470	-2.94	5-0 P 4	184.7301	-2.55	10-7 Q 5	185.0288	-1.38	9-6 P44	185.2711	-2.91	12-10 P 8	183.8264	-2.09	13-12 O 9	184.2474	-2.18	5-0 Q 8
183.8396	-1.75	11-9 P26	184.2511	-1.75	13-12 Q20	184.7394	-2.69	5-0 Q26	185.0388	-2.82	8-4 Q 7	185.2741	-2.50	12-10 R16	183.8402	-1.54	14-14 Q28	184.2555	-2.16	13-12 P17
-183.8418	-1.39	9-6 R40	184.2611	-1.83	14-14 P30	184.7426	-2.48	10-7 Q 6	185.0446	-2.58	16-17 R 7	185.2821	-1.92	10-7 Q23	183.8450	-2.59	13-12 P 7	184.2611	-2.09	5-0 R19
-183.8463	-1.17	9-6 Q35	184.2617	-1.95	13-12 R24	-184.7539	-1.14	8-5 P60	185.0461	-2.77	8-4 R 15	185.2859	-2.34	10-7 P19	183.8475	-2.16	13-12 R14	184.2631	-2.14	5-0 Q 9
183.8521	-2.05	13-12 Q10	184.2661	-2.81	5-0 P 5	184.7586	-3.11	10-7 P 4	185.0468	-2.95	16-17 P 7	185.2959	-2.45	16-17 R17	183.8530	-2.01	13-12 Q11	184.3065	-1.73	13-12 Q21
183.8581	-1.60	7-3 P25	184.2811	-2.09	5-0 O 10	184.7721	-2.39	10-7 P 3	185.0517	-2.48	16-17 P 14	185.2956	-2.65	16-17 P13	-183.8602	-2.01	13-12 O 20	184.2830	-2.07	5-0 R20
183.8608	-1.37	11-9 Q30	184.2871	-2.72	5-0 P 6	184.7724	-1.99	13-12 P25	185.0567	-2.74	8-4 R 16	185.3020	-2.85	12-10 P 9	-183.8620	-2.01	13-12 R15	184.3061	-2.05	5-0 R21
183.8728	-1.54	9-6 P31	184.2995	-0.82	8-5 P61	184.7741	-2.36	10-7 Q 8	185.0569	-3.40	8-4 P 5	185.3063	-2.47	12-10 R17	183.8744	-2.52	13-12 P 8	184.3041	-2.05	5-0 Q11
183.8772	-2.14	13-12 R15	184.3061	-2.05	5-0 R21	-184.7885	-1.05	9-6 Q46	185.0747	-2.41	16-17 Q 10	185.3093	-1.00	9-6 O51	183.8803	-2.01	13-12 O 21	184.3277	-2.14	5-0 P27
183.8851	-1.38	11-9 P26	184.3251	-1.75	13-12 Q20	184.7917	-1.68	5-0 Q27	185.0766	-2.00	5-0 P27	185.3275	-2.57	8-4 R 25	183.8915	-1.59	7-3 P26	184.3308	-2.04	5-0 R22
183.8906	-1.89	14-14 Q28	184.3281	-2.09	5-0 O 10	184.7928	-2.31	10-7 Q 9	185.0783	-2.55	16-17 R13	185.3277	-2.40	10-7 R29	183.8905	-2.46	13-12 P 9	184.3070	-1.66	11-9 P32
183.8907	-2.11	13-12 R16	184.3096	-2.64	5-0 P 7	184.8016	-2.89	10-7 P 6	185.0781	-2.72	8-4 R 17	185.3282	-2.88	8-4 P14	183.8911	-1.97	13-12 Q12	184.3110	-2.14	13-12 P18
183.8927	-2.37	13-12 P11	184.3637	-1.71	13-12 Q22	184.8670	-2.07	5-0 P23	185.0782	-3.05	12-10 R 3	185.3331	-1.90	10-7 Q24	183.8943	-1.55	8-5 P54	184.3631	-2.57	5-0 P 9
183.89807	-1.91	13-12 Q14	184.3687	-2.11	13-12 P19	184.8755	-1.64	5-0 Q29	185.0796	-2.99	10-7 P 5	185.3067	-2.43	8-4 Q18	183.89823	-2.07	13-12 R18	184.3765	-1.92	13-12 R24
183.89853	-1.72	11-9 P28	184.3854	-2.00	5-0 R24	184.8819	-2.09	5-0 P22	185.0882	-2.18	10-7 R24	185.3344	-2.21	16-17 Q16	183.89910	-1.88	14-14 P27	184.3908	-1.90	5-0 Q16
-183.89970	-1.37	9-6 R42	184.3931	-1.65	11-9 P33	184.8878	-0.93	16-17 R 3	185.0900	-3.15	12-10 R 2	185.3353	-3.38	15-15 R 1	183.89972	-1.14	9-6 O37	184.3973	-2.42	5-0 P11
183.90064	-1.51	14-14 Q30	184.3990	-2.46	5-0 P57	184.8935	-1.60	13-12 Q29	185.0950	-2.85	12-10 R 6	185.3404	-3.55	15-15 R 0	-184.0078	-1.34	11-9 Q32	184.4142	-1.09	9-6 Q42
184.0178	-2.33	13-12 P12	184.4158	-1.98	5-0 R25	184.8925	-2.95	16-17 R 4	185.1069	-1.27	9-6 R54	185.3676	-3.01	15-15 Q 3	184.0193	-1.88	13-12 O15	184.4190	-1.87	5-0 Q17
184.0218	-2.05	13-12 R19	184.4211	-1.33	9-6 R47	184.9007	-2.89	16-17 R 5	185.1071	-2.71	12-10 R 8	185.3691	-2.45	12-10 R18	-184.0261	-1.51	9-6 P33	184.4236	-1.70	13-12 Q23
184.0358	-1.55	7-3 P28	184.4298	-2.09	13-12 P20	184.9030	-2.27	10-7 R 19	185.1023	-2.80	12-10 R 7	185.3697	-2.95	15-15 R 6	184.0445	-0.84	8-5 Q59	184.4303	-0.81	8-5 Q62
-184.0445	-2.37	13-12 P13	184.4327	-2.37	5-0 P12	184.9111	-3.03	16-17 Q 2	185.1345	-2.80	12-10 O 4	-185.3827	-2.09	10-7 R 30	184.0604	-1.85	13-12 Q16	184.4405	-1.01	13-12 R27
184.0621	-1.70	11-9 P29	184.4479	-1.45	9-6 P38	184.9122	-2.64	10-7 P 10	185.1359	-2.67	8-4 R 19	185.38								

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
185.4184	-2.41	12-10	R20	-185.4913	-1.33	9- 6	P50	185.9855	-2.25	6- 1	Q 2	186.2523	-3.42	14-13	Q 4	186.6029	-1.64	6- 1	P21
185.4191	-2.36	8- 4	Q21	185.6959	-2.26	8- 4	Q27	185.9878	-1.77	6- 1	R13	186.2540	-1.51	6- 1	R25	186.6060	-3.03	14-13	R20
-185.4220	-1.00	9- 6	Q52	185.6981	-2.19	10- 7	P26	185.9918	-2.10	6- 1	Q 3	186.2542	-2.35	8- 4	R42	-186.6147	-2.45	8- 4	P36
185.4325	-2.68	15-15	Q 7	185.6987	-2.31	12-10	R26	185.9953	-3.00	18-21	P12	186.2574	-3.33	14-13	R 9	-186.6165	-2.08	8- 4	Q41
185.4359	-3.25	15-15	P 5	185.6992	-2.36	15-15	D15	185.9996	-1.99	6- 1	Q 4	186.2600	-2.87	18-21	P16	186.6166	-1.21	6- 1	Q27
185.4364	-2.23	12-10	O16	185.7063	-3.00	18-21	R 9	186.0002	-1.74	6- 1	R14	186.2658	-3.33	14-13	O 5	186.6342	-3.26	14-13	P14
-185.4415	-2.07	10- 7	R31	-185.7091	-2.45	8- 4	R33	-186.0031	-2.23	12-10	R31	186.2689	-2.34	12-10	P27	-186.6404	-2.31	8- 4	R47
185.4420	-1.87	10- 7	Q22	185.7110	-2.08	16-17	Q22	186.0068	-2.95	6- 1	P 2	186.2736	-1.38	6- 1	Q18	186.6446	-1.66	10- 7	O42
185.4470	-2.16	16-17	Q18	185.7136	-2.10	12-10	O22	186.0087	-1.90	6- 1	O 5	186.2755	-3.30	14-13	R10	186.6505	-1.62	6- 1	P22
185.4491	-2.79	8- 4	P17	185.7219	-3.34	18-21	P 6	186.0144	-1.72	6- 1	R15	186.2771	-1.50	6- 1	R26	186.6528	-3.01	14-13	R21
185.4493	-2.52	8- 4	R28	185.7232	-2.77	15-15	P13	186.0165	-2.01	12-10	Q27	186.2783	-2.53	15-15	P22	186.6565	-2.02	10- 7	P38
185.4494	-2.27	10- 7	P22	185.7342	-2.45	16-17	P20	186.0179	-2.44	15-15	R24	186.2820	-3.26	14-13	O 6	186.6638	-1.19	6- 1	Q28
185.4495	-2.67	12-10	P13	185.7352	-2.53	15-15	R19	186.0197	-1.83	6- 1	Q 6	186.2822	-1.87	6- 1	P13	186.6822	-2.26	12-10	P32
185.4512	-2.39	12-10	R21	185.7359	-2.30	16-17	R25	186.0206	-2.58	18-21	Q14	186.2881	-3.90	14-13	P 4	186.6834	-3.23	14-13	P15
185.4583	-2.62	15-15	O 8	185.7400	-2.81	18-21	O 8	186.0232	-2.64	6- 1	P 3	186.2890	-1.70	10- 7	Q38	186.6867	-2.74	18-21	P21
-185.4601	-1.34	9- 6	P48	185.7400	-2.96	18-21	R10	186.0261	-2.22	15-15	Q21	186.2911	-2.47	18-21	O18	186.6877	-2.81	14-13	Q18
185.4605	-2.34	8- 4	Q22	185.7414	-2.50	12-10	P19	186.0282	-2.79	18-21	R16	186.2961	-3.26	14-13	R11	186.6967	-2.44	8- 4	P37
185.4630	-2.37	16-17	R21	185.7419	-2.65	8- 4	P23	186.0296	-2.01	16-17	Q26	186.2986	-1.94	10- 7	R43	186.6976	-2.07	8- 4	Q42
185.4631	-2.55	16-17	P16	-185.7449	-2.44	8- 4	R34	186.0301	-1.69	6- 1	R16	186.3007	-2.12	8- 4	O37	186.6995	-1.60	6- 1	P23
185.4631	-3.15	15-15	P 6	185.7463	-2.33	15-15	O16	186.0319	-1.77	6- 1	Q 7	186.3007	-2.07	10- 7	P34	186.7028	-1.18	6- 1	Q29
185.4655	-2.71	15-15	R12	185.7485	-2.24	8- 4	Q28	186.0389	-2.57	6- 4	P28	186.3010	-3.20	14-13	O 7	186.7047	-2.99	14-13	R22
185.4763	-2.57	15-15	O 9	-185.7522	-1.79	10- 7	O31	186.0421	-2.47	6- 1	P 4	186.3042	-2.14	15-15	Q25	-186.7229	-2.30	8- 4	R48
185.4788	-2.21	12-10	Q17	-185.7565	-2.01	10- 7	R36	-186.0423	-1.74	10- 7	Q35	186.3043	-1.95	12-10	Q31	-186.7284	-1.65	10- 7	Q43
185.4926	-2.64	12-10	P14	185.7572	-3.26	18-21	P 7	-186.0426	-2.17	8- 4	O33	186.3051	-1.35	6- 1	Q19	186.7360	-3.20	14-13	P16
185.4931	-2.77	8- 4	P18	-185.7660	-2.29	12-10	R27	186.0466	-1.72	6- 1	Q 8	186.3088	-1.28	9- 6	P55	186.7391	-2.78	14-13	Q19
185.4940	-2.51	8- 4	R29	185.7671	-2.08	12-10	O23	186.0473	-1.67	6- 1	R17	186.3105	-3.77	14-13	P 5	186.7507	-1.58	6- 1	P24
185.4941	-3.07	15-15	P 7	185.7694	-2.18	10- 7	P27	186.0507	-2.39	12-10	P24	186.3117	-1.48	6- 1	R27	-186.7533	-2.01	10- 7	P39
185.4953	-2.68	15-15	R13	-185.7700	-0.97	9- 6	O55	-186.0514	-2.38	8- 4	R39	186.3118	-2.51	8- 4	P32	186.7590	-2.98	14-13	R23
185.4962	-2.18	12-10	Q18	185.7740	-2.74	15-15	P14	-186.0530	-1.97	10- 7	R40	186.3167	-1.83	6- 1	P14	186.7614	-1.16	6- 1	Q30
185.4973	-2.37	12-10	R22	185.7762	-2.76	18-21	O 9	-186.0549	-1.30	9- 6	P53	186.3196	-3.23	14-13	R12	-186.7707	-2.25	12-10	P33
185.4978	-2.06	10- 7	R32	185.7776	-2.93	18-21	R11	186.0552	-2.96	18-21	P13	186.3225	-3.14	14-13	Q 8	-186.7801	-2.43	8- 4	P38
185.4996	-1.85	10- 7	Q27	185.7851	-2.06	16-17	O23	186.0565	-2.37	16-17	P24	186.3280	-2.34	8- 4	R43	-186.7819	-2.06	8- 4	Q43
185.5044	-2.33	8- 4	Q23	185.7859	-2.51	15-15	R20	-186.0580	-2.11	10- 7	P31	186.3354	-2.32	16-17	P27	186.7911	-3.17	14-13	P17
185.5074	-2.53	15-15	Q10	185.7957	-2.31	15-15	Q17	186.0601	-1.67	6- 1	Q 9	186.3357	-3.68	14-13	P 6	186.7936	-2.76	14-13	Q20
185.5083	-2.25	10- 7	P23	185.7966	-3.20	18-21	P 8	186.0625	-2.34	6- 1	P 5	186.3366	-2.84	18-21	P17	186.8037	-1.57	6- 1	P25
185.5088	-2.14	16-17	Q19	185.7982	-2.64	8- 4	P24	186.0663	-1.64	6- 1	R18	186.3382	-1.47	6- 1	R28	-186.8083	-2.29	8- 4	R49
185.5209	-3.01	15-15	P 8	185.7997	-2.47	12-10	P20	186.0664	-2.60	15-15	P19	186.3383	-1.33	6- 1	Q20	186.8164	-2.96	14-13	R24
185.5257	-2.35	16-17	R22	-185.8022	-2.43	8- 4	R35	-186.0744	-2.22	12-10	R32	186.3454	-3.20	14-13	R13	-186.8266	-1.64	10- 7	Q44
185.5260	-2.53	16-17	P17	185.8035	-2.23	8- 4	Q29	186.0756	-2.37	16-17	P24	186.3478	-2.34	8- 4	R43	-186.8289	-3.14	14-13	P18
185.5279	-2.65	15-15	R14	-185.8085	-1.32	9- 6	P51	186.0821	-2.55	18-21	Q15	186.3471	-2.32	12-10	P28	186.8489	-3.14	14-13	Q21
185.5319	-0.99	9- 6	Q53	185.8095	-0.43	16-17	P21	186.0842	-2.25	6- 1	P 6	186.3526	-1.80	6- 1	P15	186.8509	-2.74	14-13	R21
185.5384	-2.61	12-10	P19	-185.8125	-2.28	12-10	R28	186.0869	-1.62	6- 1	R19	186.3548	-2.51	15-15	P23	186.8592	-1.55	6- 1	P26
185.5391	-2.74	8- 4	P19	185.8171	-2.72	18-21	O10	-186.0909	-2.00	12-10	P28	-186.3574	-1.69	10- 7	Q39	-186.8446	-2.05	8- 4	Q44
185.5405	-2.49	15-15	Q11	185.8193	-2.90	18-21	R12	186.0910	-2.76	18-21	R17	186.3635	-3.60	14-13	P 7	-186.8653	-2.42	8- 4	P39
185.5406	-2.49	8- 4	R30	-185.8218	-1.78	10- 7	O32	186.0910	-2.20	15-15	Q22	186.3695	-2.45	18-21	Q19	-186.8659	-2.23	12-10	P34
185.5438	-2.35	12-10	R23	185.8264	-2.06	12-10	Q24	186.0981	-1.58	6- 1	Q11	186.3728	-3.31	6- 1	Q21	-186.8732	-2.94	14-13	R25
185.5489	-2.31	8- 4	Q24	185.8488	-2.28	15-15	O18	186.0981	-1.55	6- 1	Q12	186.3738	-3.05	14-13	P10	186.8860	-4.34	11- 8	R 4
185.5566	-2.95	15-15	P 9	-185.8520	-2.00	10- 7	R37	-186.1077	-2.16	8- 4	Q34	186.3746	-3.17	14-13	R14	186.8871	-4.42	11- 8	R 3
185.5603	-2.05	10- 7	R33	185.8393	-2.49	15-15	R21	186.1092	-1.60	6- 1	R20	186.3841	-1.45	6- 1	R29	186.8902	-4.52	11- 8	R 2
185.5608	-1.84	10- 7	Q28	185.8398	-3.14	18-21	P 9	-186.1137	-2.37	8- 4	R40	186.3842	-2.11	8- 4	Q38	186.8907	-4.22	11- 8	R 6
185.5636	-2.62	15-15	R15	185.8488	-2.28	8- 4	Q28	186.1185	-1.55	6- 1	Q12	186.3853	-2.49	8- 4	P33	186.8957	-4.64	11- 8	R 1
185.5693	-2.23	16-17	P24	185.8549	-2.62	8- 4	P25	-186.1190	-1.73	10- 7	Q36	186.3863	-1.93	10- 7	R44	186.8962	-4.17	11- 8	R 7
185.5724	-2.12	16-17	Q20	185.8604	-2.21	8- 4	Q30	186.1192	-2.93	18-21	P14	186.3875	-2.06	10- 7	P35	-186.8971	-2.28	8- 4	R50
185.5739	-1.34	9- 6	P49	-185.8608	-2.42	8- 4	R36	186.1209	-2.37	12-10	P25	186.3903	-1.77	6- 1	P16	186.9035	-4.82	11- 8	R 0
185.5762	-2.45	15-15	Q12	185.8620	-2.66	18-21	O11	186.1326</td											

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
187.0391	-2.68	14-13	Q24	187.3572	-0.50	9- 5	R24	187.6958	-4.01	19-23	P12	187.9448	-2.13	9- 5	Q30	188.1650	-3.63	13-11	P19	187.0422	-3.07	9- 5	Q 3	187.3623
187.0422	-3.07	9- 5	Q 3	187.3623	-0.35	19-23	C 6	187.6959	-3.60	11-	R31	187.9488	-0.72	11-	S P26	188.1650	-2.29	8- 4	P52	187.0430	-2.03	8- 4	Q46	187.3638
187.0444	-4.34	11-	S P7	187.3683	-3.88	19-23	Q 7	187.7004	-2.61	9- 5	O18	187.9519	-3.34	11-	S Q30	188.1673	-5.00	17-18	R16	187.0451	-2.40	8- 4	P41	187.3694
187.0472	-2.76	9- 5	R12	187.3731	-0.95	11-	S P16	187.7099	-1.92	10- 7	P45	187.9548	-3.74	13-11	P15	188.1700	-1.20	7- 2	Q18	187.0482	-3.87	11-	S R16	187.3779
187.0501	-2.96	9- 5	Q 4	187.3780	-3.69	11-	S R25	187.7230	-3.60	13-11	R17	187.9610	-5.55	17-18	P 6	188.1754	-4.51	16-16	P 4	187.0504	-1.98	10-	T P42	187.3808
187.0575	-3.91	9- 5	P 2	187.3937	-4.01	19-23	R 9	187.7256	-2.33	8- 4	P14	187.9615	-1.47	7-	S P26	188.1760	-5.47	18-20	P 3	187.0594	-3.76	11-	S Q11	187.3961
187.0598	-2.87	9- 5	Q 5	187.4011	-2.32	9- 5	O19	187.7407	-3.45	13-11	Q13	187.9683	-5.14	17-18	R11	188.1854	-3.91	16-16	R10	187.0621	-2.73	9- 5	R13	187.4092
187.0714	-2.80	9- 5	O 6	187.4105	-4.27	19-23	P 7	187.7446	-3.93	13-11	P10	187.9776	-3.48	13-11	R23	188.1876	-4.73	18-20	O 5	187.0721	-4.28	11-	S P8	187.4127
187.0735	-3.61	9- 5	P 3	187.4205	-2.76	9- 5	P15	187.7538	-2.59	9- 5	P22	187.9833	-1.44	7-	S P6	188.1966	-3.81	16-16	Q 7	187.0764	-2.26	8- 4	R52	187.4210
187.0789	-2.71	9- 5	R14	187.4212	-3.92	11-	S P17	187.7595	-3.58	13-11	R18	187.9884	-2.51	9-	S P26	188.1988	-5.30	18-20	P 4	187.0813	-3.84	11-	S R8	187.4219
187.0814	-1.48	6- 1	P30	187.4251	-0.49	11-	S O21	187.7623	-3.59	19-23	O14	187.9934	-5.47	17-18	P 7	188.2015	-2.07	9- 5	Q34	187.0850	-2.73	9- 5	Q 7	187.4302
187.0860	-3.72	11-	S Q12	187.4370	-2.46	9- 5	R26	187.7708	-2.17	9-	S Q27	188.0012	-1.99	7-	S P7	188.2036	-5.21	17-18	P12	187.0916	-3.43	9- 5	P 4	187.4436
187.0978	-2.68	9- 5	R15	187.4403	-2.30	9- 5	Q20	187.7757	-3.42	13-11	Q14	188.0053	-3.71	13-11	P16	188.2103	-4.66	18-20	G 6	187.1005	-2.68	9- 5	Q 8	187.4541
187.1017	-3.82	11-	S R8	187.4577	-0.21	19-23	P 8	187.7982	-3.56	13-11	R19	188.0087	-2.11	9-	S Q31	188.2110	-3.87	16-16	R11	187.1018	-4.22	11-	S P9	187.4620
187.1080	-3.05	14-13	P22	187.4663	-3.66	11-	R27	187.8095	-2.57	9- 5	P23	188.0131	-3.51	19-23	Q17	188.2171	-6.97	17-18	R17	187.1083	-2.67	14-13	Q25	187.4719
187.1119	-3.31	9- 5	P 5	187.4746	-3.47	11-	S O22	187.8180	-3.84	13-11	P12	188.0205	-3.88	19-23	P16	188.2213	-3.76	16-16	O 8	187.1148	-3.69	11-	S Q13	187.4806
187.1182	-2.63	9- 5	Q 9	187.4814	-2.28	9- 5	Q21	187.8226	-3.80	19-23	R16	188.0209	-3.71	11-	S P27	188.2255	-3.60	13-11	P20	187.1186	-2.66	9- 5	R16	187.4816
187.1301	-1.61	10-	T Q7	187.4890	-3.94	19-23	R11	187.8269	-5.55	17-18	R 3	188.0283	-4.93	17-18	Q10	188.2260	-6.29	16-16	F 6	187.1321	-2.38	8- 4	P42	187.4902
187.1339	-3.21	9- 5	P 6	187.4907	-4.18	13-11	R 3	187.8294	-3.58	11-	R 33	188.0288	-5.41	17-18	P 8	188.2261	-6.73	18-20	R 9	187.1340	-4.17	11-	S P10	187.4922
187.1340	-2.02	8- 4	O47	187.4931	-2.96	14-13	P27	187.8331	-2.32	8- 4	P49	188.0328	-1.40	7-	S P21	188.2375	-3.28	11- 8	Q34	187.1359	-3.80	11-	S R9	187.4939
187.1375	-2.59	9- 5	Q10	187.4967	-4.40	13-11	R 1	187.8357	-1.86	7-	R 6	188.0372	-3.54	11-	S R36	188.2412	-3.66	11- 8	P30	187.1415	-2.63	9- 5	R17	187.4995
187.1459	-3.64	11-	S Q14	187.5036	-4.58	13-11	R 0	187.8359	-5.95	17-18	R 0	188.0377	-5.08	17-18	R13	188.2473	-1.62	7-	P 2	187.1527	-1.47	6- 1	P31	187.5034
187.1579	-3.13	9- 5	P 7	187.5057	-2.71	9- 5	P17	187.8374	-2.35	9- 5	R34	188.0526	-1.86	7-	S P9	188.2555	-5.17	17-18	P13	187.1590	-2.55	9- 5	O11	187.5076
187.1594	-1.97	10-	T P43	187.5097	-0.45	19-23	P 9	187.8386	-1.99	7- 2	R 4	188.0605	-1.39	7-	S P22	188.2559	-5.08	18-20	P 6	187.1664	-2.61	9- 5	R18	187.5155
187.1681	-4.12	9- 5	R18	187.5180	-3.88	13-11	R 6	187.8391	-3.54	13-11	R20	188.0614	-3.68	13-11	P17	188.2564	-4.21	16-16	P 7	187.1710	-3.78	11-	S R20	187.5175
187.1741	-2.26	8- 4	R53	187.5205	-4.18	13-11	O 2	187.8412	-3.56	19-23	Q15	188.0677	-5.35	17-18	P 9	188.2573	-1.29	7-	R 2	187.1768	-2.65	14-13	Q26	187.5245
187.1784	-3.03	13-	S P23	187.5248	-2.43	9- 5	R28	187.8442	-5.41	17-18	R 4	188.0730	-3.27	13-11	Q20	188.2597	-3.84	16-16	R12	187.1799	-3.63	11-	S O15	187.5250
187.1824	-2.61	9- 5	Q12	187.5252	-3.64	11-	R 8	187.8468	-3.94	19-23	P14	188.0823	-2.07	12- 7	R 26	188.2732	-2.06	9-	P 7	187.1838	-3.07	9- 5	P 8	187.5270
187.1871	-4.12	11-	S P11	187.5315	-3.88	13-11	R 6	187.8481	-5.78	17-18	Q1	188.0829	-3.45	13-11	R25	188.2736	-1.13	7-	S P21	187.1933	-2.59	9- 5	R19	187.5315
187.1973	-4.58	11-	S P12	187.5320	-3.24	8- 4	P46	187.8485	-2.16	7-	R 2	188.0885	-3.31	11-	S Q32	188.2737	-1.29	7-	R 26	187.1984	-3.08	11-	S P12	187.5324
187.2046	-4.08	11-	S P12	187.5294	-3.87	11-	S P19	187.8542	-5.55	17-18	Q2	188.0973	-3.47	13-11	P20	188.2740	-3.13	11- 8	Q24	187.2065	-3.60	11-	S Q16	187.5311
187.2077	-2.47	9- 5	P13	187.5311	-3.84	13-11	R 7	187.8574	-2.35	9- 5	P17	188.0973	-1.96	8- 4	P54	188.2748	-4.54	17-18	R18	187.2083	-3.76	11-	S P2	187.5310
187.2124	-2.63	11-	S O15	187.5320	-3.64	11-	R 8	187.8468	-3.94	19-23	P14	188.0823	-1.27	7-	R 25	188.2754	-3.81	16-16	R13	187.2141	-2.51	9- 5	R12	187.5319
187.2188	-2.51	9- 5	Q12	187.5322	-1.98	8- 4	O51	187.8474	-5.78	17-18	Q1	188.0829	-3.45	13-11	R25	188.2756	-4.69	18-20	R10	187.2204	-4.08	11-	S P11	187.5320
187.2220	-2.57	9-	R 50	187.5513	-2.68	9- 5	P18	187.8482	-3.56	19-23	Q15	188.0677	-5.35	17-18	P 9	188.2757	-1.29	7-	R 2	187.2229	-4.45	9- 5	O11	187.5576
187.2268	-2.37	9-	P43	187.5615	-3.63	19- 5	P29	187.8486	-5.35	17-18	R 6	188.0605	-1.39	7-	S P22	188.2764	-4.08	18-20	P 6	187.2289	-2.01	8- 4	O48	187.5615
187.2294	-4.58	19-23	O 1	187.5654	-3.77	13-11	O 6	187.8582	-3.36	13-11	Q16	188.0959	-4.51	16-16	R 1	188.2901	-5.00	18-20	P 7	187.2350	-2.45	9- 5	Q14	187.5659
187.2355	-4.35	19-23	R 3	187.5693	-3.43	11-	S Q24	187.8624	-3.80	13-11	R 0	188.0975	-3.69	11-	S P28	188.2913	-4.66	18-20	R11	187.2395	-4.35	19-23	R 2	187.5693
187.2418	-2.96	9- 5	P10	187.5741	-3.84	11-	P 2	187.8786	-1.59	7-	R 2	188.0944	-4.29	16-16	R 3	188.2897	-4.14	16-16	P 8	187.2429	-3.58	11-	S Q17	187.5757
187.2433	-4.04	11-	S P13	187.5803	-2.94	14-13	P28	187.8828	-3.52	13-11	R21	188.1097	-1.25	7-	S P2	188.2913	-5.14	17-18	P14	187.2486	-3.74	11-	S P17	187.5830
187.2517	-5.05	19-23	P 2	187.5857	-3.74	13-11	R12	187.8867	-1.92	7-	S P3	188.1106	-1.77	7-	S P11	188.3133	-3.62	16-16	Q11	187.2522	-4.75	19-23	R 0	187.5853
187.2522	-2.63	14-13	P27	187.5861	-3.63	11-	R 29	187.8878	-5.95	17-18	P 3	188.1191	-5.17	17-18	R 2	188.3282	-4.93	18-20	P 8	187.2528	-2.55	9- 5	R21	187.5855
187.2538	-3.01	14-13	P24	187.5976	-4.28	13-11	P 5	187.8910	-5.25	17-18	R 8	188.1205	-5.02	17-18	R15	188.3296	-4.63	18-20	R12	187.2563	-4.21	19-23	O 3	187.5990
187.2563	-4.21	19-23	R 3	187.6029	-3.65	13-11	Q 8	187.8922	-5.21	17-18	R 5	188.1226	-5.08	18-20	R 3	188.3343	-1.26							

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
188.4181	-4.57	18-20	R14		188.8359	-3.81	15-14	R 0		189.1966	-2.90	10- 6	P 3		189.5132	-2.46	12- 9	P12		189.9227	-1.48	3	R18	
188.4209	-3.54	13-11	P23		188.8410	-3.21	15-14	R 6		189.1969	-2.00	10- 6	R14		189.5280	-1.98	12- 9	Q16		189.9237	-1.46	10- 6	Q27	
188.4241	-4.68	17-18	Q18		188.8452	-4.57	18-20	P17		189.1970	-2.09	10- 6	Q 6		189.5302	-2.14	12- 9	R21		189.9247	-1.46	8- 3	O10	
188.4280	-4.38	18-20	O12		188.8477	-3.63	15-14	O 1		189.1983	-2.55	12- 9	R 7		189.5325	-2.06	10- 6	P15		189.9260	-2.37	15-14	Q27	
188.4293	-3.71	16-16	R17		188.8518	-3.16	15-14	R 7		189.1991	-2.03	10- 6	Q 7		189.5342	-1.61	10- 6	Q19		189.9285	-2.01	12- 9	R29	
188.4338	-5.08	17-18	P16		188.8532	-3.57	11- 8	P37		189.2031	-3.20	12- 9	R 0		189.5389	-2.68	15-14	R25		189.9297	-2.09	8- 3	P 6	
188.4343	-3.52	16-16	O14		188.8540	-3.41	15-14	O 2		189.2055	-2.79	15-14	R19		189.5415	-1.77	10- 6	R25		189.9439	-1.42	8- 3	O11	
188.4376	-1.06	7- 2	Q25		188.8595	-4.18	18-20	O19		189.2062	-1.26	7- 2	P33		189.5469	-2.16	9- 5	R55		189.9458	-1.46	8- 3	R19	
-188.4500	-2.26	9- 5	R43		188.8608	-3.73	16-16	P19		189.2069	-2.50	12- 9	R 8		189.5532	-2.42	12- 9	P13		189.9479	-1.66	10- 6	R33	
188.4526	-4.89	17-18	R21		188.8625	-3.27	15-14	O 3		189.2151	-2.73	10- 6	P 4		189.5562	-2.86	15-14	P19		189.9530	-1.80	10- 6	P23	
188.4531	-3.94	16-16	P12		188.8656	-3.11	15-14	R 8		189.2153	-3.02	12- 9	Q 1		189.5565	-2.27	9- 5	P45		189.9532	-2.01	8- 3	P 7	
188.4575	-1.49	7- 2	P20		188.8674	-2.21	9- 5	R48		189.2176	-2.46	12- 9	R 9		189.5663	-2.46	15-14	O22		189.9584	-2.20	12- 9	P21	
188.4626	-3.14	13-11	Q27		188.8676	-4.56	17-18	Q24		189.2201	-2.80	12- 9	Q 2		189.5673	-1.96	12- 9	Q17		189.9653	-1.39	8- 3	O12	
188.4654	-4.77	18-20	P11		188.8714	-4.11	15-14	P 2		189.2202	-1.97	10- 6	R15		189.5716	-2.12	12- 9	R22		189.9687	-1.79	12- 9	Q25	
188.4683	-4.54	18-20	R15		188.8734	-3.16	15-14	O 4		189.2204	-3.03	15-14	P13		189.5757	-1.59	10- 6	O20		189.9709	-1.44	8- 3	R20	
188.4764	-3.68	16-16	R18		188.8820	-1.33	7- 2	P28		189.2246	-1.97	10- 6	O 8		189.5767	-1.91	9- 5	O50		189.9787	-1.94	8- 3	P 8	
188.4778	-4.34	18-20	Q13		188.8823	-3.07	15-14	R 9		189.2272	-2.65	12- 9	Q 3		189.5849	-2.03	10- 6	P16		189.9814	-1.45	10- 6	Q28	
188.4806	-3.49	16-16	O15		188.8839	-4.93	17-18	P22		189.2309	-2.42	12- 9	R10		189.5850	-1.76	10- 6	R26		189.9876	-2.23	9- 5	P 9	
188.4837	-1.04	7- 2	Q26		188.8868	-2.34	9- 5	P38		189.2309	-2.59	15-14	Q16		189.5956	-2.39	12- 9	P14		189.9882	-2.85	14-12	R3	
-188.4846	-2.41	9- 5	P33		188.8875	-3.07	15-14	O 5		189.2359	-2.60	10- 6	P 5		189.6049	-2.66	15-14	R26		189.9887	-1.35	8- 3	Q13	
-188.4866	-3.25	11- 8	Q37		188.8895	-3.81	15-14	P 3		189.2362	-2.55	12- 9	Q 4		189.6093	-1.93	12- 9	Q18		189.9890	-2.13	9- 5	K59	
188.4883	-4.66	17-18	O19		188.8950	-3.33	16-16	O22		189.2399	-3.50	12- 9	P 2		189.6153	-2.10	12- 9	R23		189.9893	-2.77	14-12	R 4	
-188.4895	-3.62	11- 8	P33		188.9013	-3.03	15-14	R10		189.2413	-2.18	9- 5	R52		189.6192	-1.57	10- 6	O21		189.9898	-2.95	14-12	R 2	
-188.4912	-2.02	9- 5	Q38		188.9044	-3.00	15-14	O 6		189.2442	-1.95	10- 6	R16		189.6222	-2.83	15-14	P20		189.9908	-1.99	12- 9	R30	
188.4913	-3.52	13-11	P24		188.9057	-1.97	9- 5	Q43		189.2452	-1.93	10- 6	Q 9		189.6303	-1.74	10- 6	R27		189.9927	-2.70	14-12	R 5	
188.5001	-5.05	17-18	P17		188.9099	-3.63	15-14	P 4		189.2464	-2.39	12- 9	R11		189.6311	-2.44	15-14	O23		189.9941	-3.07	14-12	R 1	
188.5021	-3.93	16-16	P13		188.9220	-4.54	18-20	P18		189.2478	-3.62	16-16	P24		189.6333	-2.00	10- 6	P17		189.9977	-1.42	8- 3	R21	
-188.5049	-1.47	7- 2	P21		188.9239	-2.94	15-14	Q 7		189.2479	-2.46	9- 5	R 5		189.6405	-2.35	12- 9	P15		189.9984	-2.73	15-14	P25	
-188.5173	-2.26	8- 4	P55		188.9240	-3.00	15-14	R11		189.2534	-2.77	15-14	R20		189.6534	-1.91	12- 9	O19		189.9990	-2.65	14-12	R 6	
188.5189	-4.73	18-20	P12		188.9314	-3.71	16-16	P20		189.2559	-4.85	17-18	P26		189.6545	-2.15	9- 5	R56		190.0011	-3.25	14-12	R 0	
188.5190	-4.87	17-18	R22		188.9326	-3.51	15-14	P 5		189.2569	-3.20	12- 9	P 3		189.6601	-2.26	9- 5	P46		190.0053	-2.36	15-14	Q28	
188.5221	-4.52	18-20	R16		188.9373	-4.16	18-20	O20		189.2569	-2.30	9- 5	P42		189.6615	-2.08	12- 9	R24		190.0059	-1.88	8- 3	P 9	
188.5271	-3.66	16-16	R19		188.9447	-1.32	7- 2	P29		189.2599	-2.51	10- 6	P 6		189.6645	-1.55	10- 6	D22		190.0079	-2.59	14-12	R 7	
-188.5280	-2.25	9- 5	R44		188.9466	-2.88	15-14	Q 8		189.2616	-2.39	12- 9	Q 6		189.6722	-2.65	15-14	R27		190.0087	-1.65	10- 6	R34	
188.5303	-3.47	16-16	O16		188.9489	-2.97	15-14	R12		189.2642	-2.35	12- 9	R12		189.6784	-1.73	10- 6	R28		190.0132	-3.07	14-12	O1	
188.5315	-4.31	18-20	Q14		188.9501	-3.55	11- 8	P38		189.2682	-1.88	10- 6	O10		189.6821	-1.90	9- 5	O51		190.0134	-1.84	10- 6	P24	
188.5332	-1.03	7- 2	Q27		188.9553	-4.54	17-18	O25		189.2691	-3.00	15-14	P14		189.6824	-1.97	10- 6	P18		190.0140	-1.32	8- 3	O14	
188.5541	-3.87	16-16	P16		188.9582	-2.20	9- 5	R49		189.2694	-1.93	10- 6	R17		189.6876	-2.32	12- 9	P16		190.0143	-1.87	9- 5	Q54	
188.5542	-1.44	7- 2	P22		188.9586	-3.41	15-14	P 6		189.2762	-3.02	12- 9	P 4		189.6926	-2.81	15-14	P21		190.0183	-2.85	14-12	Q 2	
188.5577	-4.66	17-18	Q20		188.9670	-3.31	16-16	O23		189.2777	-1.93	9- 5	Q47		189.7000	-1.89	12- 9	Q20		190.0192	-2.55	14-12	R 8	
-188.5578	-2.39	9- 5	P34		188.9715	-4.91	17-18	P23		189.2779	-2.32	12- 9	Q 7		189.7008	-2.42	15-14	Q24		190.0197	-2.18	12- 9	P22	
188.5639	-3.50	13-11	P25		188.9722	-2.83	15-14	Q 9		189.2784	-1.84	10- 6	O11		189.7100	-2.07	12- 9	R25		190.0262	-2.70	14-12	Q 3	
188.5700	-5.00	17-18	P18		188.9767	-2.33	9- 5	P39		189.2794	-2.57	15-14	Q17		189.7122	-1.53	10- 6	D23		190.0265	-1.41	8- 3	R22	
-188.5701	-2.01	9- 5	Q39		188.9768	-2.94	15-14	R13		189.2846	-2.32	12- 9	R13		189.7277	-1.71	10- 6	R29		190.0245	-1.78	12- 9	Q26	
-188.5707	-2.38	9- 5	P35		189.0053	-3.21	15-14	P 9		189.3354	-3.61	16-16	P25		189.7874	-2.14	9- 5	R57		190.0333	-2.51	14-12	R10	
188.6376	-4.66	18-20	P14		189.0063	-4.89	17-18	P24		189.3373	-2.30	10- 6	P 9		189.7884	-2.01	8- 3	R4		190.0350	-1.83	8- 3	P10	
188.6384	-3.62	16-16	R21		189.0061	-2.71	15-14	Q10		189.3405	-4.52	18-20	P19		189.7887	-2.27	12- 9	P18		190.0376	-3.07	14-12	P 4	
188.6390	-3.42	16-16	Q18		189.0700	-2.32	15-14	P40		189.3423	-2.17	9- 5	R53		189.7908	-1.79	8- 3	R8		190.0367	-2.59	14-12	P 3	
188.6396	-3.48	13-11	P26		189.0752	-1.29	7- 2	P31		189.3466	-1.77	10- 6	Q13		189.7911	-1.89	9- 5	O52		190.0375	-3.55	14-12	P26	
188.6424	-4.47	18-20	R18		189.0778	-2.86	15-14	R16		189.3474	-1.74	10- 6	O14		189.7924	-2.09	8- 3	R3		190.0385	-2.16	12- 9	P23	
-188.643																								

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ					
190,2181	-2,12	12-	9	P25	190,8170	-2,25	14-12	P21	191,3188	-3,76	6-	0	P 3	191,5708	-2,63	16-15	R 5	191,7299	-3,02	19-21	P 7			
190,2259	-2,11	9-	5	R61	-190,8252	-1,53	10-	6	R65	191,3189	-2,38	11-	7	R 3	191,5720	-1,62	11-	7	Q14	191,7344	-2,83	6-	0	P18
190,2261	-1,73	12-	9	Q29	-190,8300	-2,17	9-	5	P56	191,3193	-2,18	11-	7	R 6	191,5729	-3,10	19-21	O 2	191,7353	-1,90	13-10	Q10		
190,2346	-1,39	10-	6	O32	-190,8468	-1,30	10-	6	Q40	191,3205	-2,89	6-	0	O 7	191,5743	-2,57	16-15	R 6	191,7384	-2,15	16-15	Q10		
190,2389	-1,31	8-	3	R28	-190,8554	-1,99	12-	9	P33	191,3230	-2,48	11-	7	R 2	191,5748	-2,59	6-	0	R28	191,7400	-2,45	13-10	P 7	
190,2406	-1,15	8-	3	Q21	-190,8677	-1,82	9-	5	O61	191,3237	-2,12	11-	7	R 7	191,5754	-2,30	17-17	R21	191,7410	-2,37	6-	0	Q24	
190,2407	-2,27	14-12	R17	190,8684	-1,35	8-	3	P28	191,3294	-2,60	11-	7	R 1	191,5761	-1,74	11-	7	R20	191,7468	-2,69	19-21	R11		
190,2443	-1,86	9-	5	Q56	-190,8688	-1,84	14-12	Q25	191,3295	-2,74	6-	0	R19	191,5761	-2,45	13-10	R 4	191,7480	-2,52	19-21	Q 9			
190,2466	-1,61	8-	3	P16	-190,8859	-2,23	14-12	P22	191,3300	-2,08	11-	7	R 8	191,5765	-2,53	13-10	R 3	191,7530	-2,27	16-15	R14			
190,2489	-2,12	14-12	O13	-190,9008	-1,66	10-	6	P36	191,3342	-2,83	6-	0	G 8	191,5781	-2,95	19-21	R 5	191,7542	-1,49	11-	7	Q19		
190,2495	-2,59	14-12	P10	-190,9111	-1,52	10-	6	R46	191,3371	-3,59	6-	0	P 4	191,5781	-2,38	13-10	R 5	191,7552	-2,63	16-15	P 8			
190,2600	-2,68	15-14	P28	-190,9321	-1,34	8-	3	P29	191,3376	-2,78	11-	7	R 0	191,5791	-3,00	16-15	Q 1	191,7596	-1,97	13-10	R16			
190,2725	-1,60	10-	6	R38	-190,9337	-1,29	10-	6	O41	191,3388	-2,04	11-	7	R 9	191,5795	-2,62	13-10	R 2	191,7620	-1,86	13-10	Q11		
190,2748	-1,77	10-	6	P28	-190,9403	-1,82	14-12	Q26	191,3474	-2,12	14-12	P28	191,5825	-2,32	13-10	R 6	191,7623	-1,93	11-	7	P15			
190,2787	-1,29	8-	3	R29	-190,9467	-1,98	12-	9	P34	191,3481	-2,20	17-17	O14	191,5844	-2,75	13-10	R 1	191,7643	-2,03	17-17	G21			
190,2791	-2,25	14-12	R18	190,9565	-2,21	14-12	P23	191,3495	-2,00	11-	7	R10	191,5854	-2,95	19-21	Q 3	191,7693	-2,38	13-10	P 8				
190,2803	-1,13	8-	3	Q22	-190,9589	-2,16	9-	5	P57	191,3500	-2,78	6-	0	Q 9	191,5856	-2,77	16-15	G 2	191,7709	-2,95	19-21	P 8		
190,2857	-2,09	14-12	O14	190,9887	-3,06	17-	17	R 2	191,3503	-2,60	11-	7	Q 1	191,5871	-2,52	16-15	R 7	191,7723	-2,11	16-15	Q11			
190,2879	-2,55	14-12	P11	-190,9888	-1,65	10-	6	P37	191,3504	-2,72	6-	0	R20	191,5873	-3,80	19-21	P 2	191,7758	-1,65	11-	R25			
190,2884	-1,58	8-	3	P17	190,9905	-2,96	17-17	R 3	191,3521	-2,38	17-17	R17	191,5876	-2,49	17-17	P16	191,7771	-1,56	10-	P45				
190,2890	-2,10	12-	9	P26	190,9919	-3,18	17-	17	R 1	191,3547	-2,38	11-	7	Q 2	191,5895	-2,27	13-10	R 7	191,7791	-2,25	17-17	R24		
190,2974	-1,71	12-	9	Q30	190,9949	-2,88	17-	17	R 4	191,3571	-3,46	6-	0	P 5	191,5922	-2,92	13-10	R 0	191,7815	-2,36	6-	0	Q25	
190,3031	-1,38	10-	6	Q33	190,9967	-3,36	17-	17	R 0	191,3610	-2,23	11-	7	G 3	191,5936	-1,46	10-	6	R53	191,7823	-2,81	6-	0	P19
190,3189	-2,23	14-12	R19	190,9986	-1,32	8-	3	P30	191,3624	-1,96	11-	7	R11	191,5953	-2,63	16-15	G 3	191,7897	-2,65	19-21	R12			
190,3320	-1,11	8-	3	Q23	-191,0000	-1,81	9-	5	Q62	191,3627	-1,60	10-	6	P41	191,5957	-2,90	19-21	R 6	191,7900	-2,24	16-15	R15		
190,3251	-2,06	14-12	O15	-191,0011	-1,51	10-	6	R47	191,3629	-2,14	9-	5	P60	191,5970	-2,45	6-	0	Q20	191,7903	-2,48	19-21	Q10		
190,3289	-2,51	14-12	P12	191,0030	-2,82	17-17	R 5	191,3633	-2,62	17-17	P12	191,5989	-2,23	13-10	R 8	191,7913	-1,83	13-10	G12					
190,3318	-1,56	8-	3	P18	191,0031	-1,81	14-12	Q27	191,3687	-2,74	6-	0	Q10	191,5997	-2,95	6-	0	P14	191,7919	-1,95	13-10	R17		
190,3338	-2,20	9-	5	P52	191,0086	-3,18	17-	17	Q 1	191,3696	-2,12	11-	7	Q 4	191,6022	-2,85	19-21	P 4	191,7922	-2,57	16-15	P 9		
190,3343	-1,45	10-	6	R39	191,0135	-2,76	17-17	R 6	191,3726	-2,70	6-	0	R21	191,6024	-2,47	16-15	R 8	191,7923	-2,41	17-17	P19			
190,3453	-1,76	10-	6	P29	191,0156	-2,96	17-17	Q 2	191,3756	-3,08	11-	7	P 2	191,6032	-3,47	16-15	P 2	-191,7923	-2,12	9-	5	P63		
190,3514	-2,66	15-14	P29	-191,0224	-1,28	10-	6	O42	191,3776	-1,93	11-	7	R12	191,6042	-1,59	11-	7	G15	191,7972	-1,47	11-	7	Q20	
190,3623	-2,08	12-	9	P27	191,0243	-2,82	17-17	O 3	191,3789	-3,36	6-	0	P 6	191,6046	-1,22	10-	6	O48	191,8012	-2,32	13-10	P 9		
190,3634	-2,21	14-12	R20	191,0281	-2,71	17-17	R 7	191,3805	-2,04	11-	7	P 5	191,6047	-2,75	13-10	R 0	191,8073	-1,90	11-	7	P16			
190,3647	-1,85	9-	5	O57	191,0300	-2,19	14-12	P24	191,3872	-1,48	10-	6	R51	191,6050	-2,08	11-	7	P11	191,8073	-1,45	10-	6	R55	
190,3655	-1,10	8-	3	Q24	191,0323	-3,66	17-17	P 2	191,3912	-2,63	6-	0	Q13	191,6068	-2,52	16-15	G 5	191,8095	-2,08	16-15	Q12			
190,3671	-2,03	14-12	Q16	191,0379	-2,71	17-17	Q 4	191,3915	-2,70	6-	0	Q11	191,6080	-3,50	19-21	P 3	191,8095	-2,15	9-	4	R 5			
190,3708	-1,70	12-	9	Q31	191,0455	-2,66	17-17	R 8	191,3928	-2,78	11-	7	P 3	191,6093	-2,53	13-10	R 2	191,8096	-2,09	9-	4	R 6		
190,3724	-2,47	14-12	P13	191,0512	-3,36	17-17	P 3	191,3932	-1,96	11-	7	P 6	191,6108	-1,72	11-	7	R21	191,8111	-2,21	9-	4	R 4		
190,3742	-1,37	10-	6	O34	191,0542	-2,62	17-17	R 5	191,3946	-1,90	11-	7	R13	191,6109	-2,18	13-10	R 9	191,8120	-2,04	9-	4	R 7		
190,3769	-1,53	8-	3	P19	191,0643	-1,31	8-	3	P31	191,3964	-2,68	6-	0	P 2	191,6168	-2,38	13-10	Q 3	191,8144	-2,29	9-	4	R 3	
190,4095	-2,19	14-12	R21	191,0649	-2,62	17-17	R 9	191,3973	-2,17	17-17	Q15	191,6172	-2,85	19-21	R 7	191,8157	-1,99	9-	4	R 8				
190,4108	-1,08	8-	3	Q25	191,0717	-3,18	17-17	P 4	191,4012	-1,24	10-	6	Q46	191,6206	-2,43	16-15	R 9	191,8158	-2,90	19-21	P 9			
190,4120	-2,00	14-12	Q17	191,0741	-2,55	17-17	Q 6	191,4023	-3,28	6-	0	P 7	191,6218	-3,17	16-15	P 3	191,8171	-1,63	11-	R26				
190,4186	-1,74	10-	6	P30	191,0972	-3,06	17-17	P 5	191,4121	-2,66	6-	0	R23	191,6322	-3,32	19-21	P 4	191,8285	-2,22	16-15	R16			
190,4478	-1,84	9-	5	P58	191,11572	-2,88	17-17	P 7	191,4485	-2,57	6-	0	R15	191,6372	-2,92	6-	0	P15	191,8286	-2,78	6-	0	P20	
190,4493	-1,73	10-	6	P31	191,11624	-1,78	14-12	Q29	191,4492	-2,65	6-	0	R24	191,6429	-2,80	19-21	R 8	191,8372	-2,01	17-17	Q22			
190,4559	-1,57	10-	6	R41	-191,1172	-1,62	10-	6	P39	191,4503	-2,14	17-17	O16	191,6431	-2,39	16-15	R10	191,8385	-1,88	9-	4	R11		
190,4585	-2,17	14-12	R22	191,1230	-2,43	17-17	Q 8	191,4566	-2,38	11-	7	P 6	191,6438	-1,56	11-	7	Q16	191,8387	-2,52	16-15	P10			
190,4590	-1,98	14-12	Q18	191,1254	-2,96	17-17	P 6	191,4537	-1,85	11-	7	R15	191,6395	-2,28	17-17	R22	191,8355	-2,27	13-10	P10				
190,4678	-2,40	14-12	P15	191,1484	-2,52	17-17	R12	191,4571	-2,71	14-12	P29	191,6408	-2,36	16-15	Q 6	191,8355	-2,69	9-	4	R 0				
190,4731	-1,48	8-	3	P21	191,1523	-2,38	17-17	Q 9	191,4440	-1,80	11-	7	Q 9	191,6411	-2,04	11-	7	P12	191,8367	-2,44	19-21	Q11		
190,4808	-1,84	9-	5	P58	191,1572	-2,88																		

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ					
191.9326	-1.71	9-	4	Q 9	192.2125	-2.48	19-1	R 19	-192.6314	-1.24	11-	7	O 34	193.0867	-1.94	15-13	R 22	-193.3969	-1.31	9-	4	R 46		
191.9335	-1.71	13-	10	Q 16	192.2153	-1.57	13-10	P 22	192.6341	-3.32	15-	13	P 2	193.0887	-2.31	7-	1	R 11	193.3979	-3.00	20-	23	P 7	
191.9349	-1.98	16-	15	Q 15	192.2217	-1.32	11-	7	O 28	192.6344	-2.37	15-	13	Q 4	193.0892	-2.95	7-	1	R 1	193.4043	-1.14	11-	7	Q 43
191.9364	-1.71	9-	4	R 17	192.2254	-1.52	10-	6	P 49	192.6353	-2.28	15-	13	R 9	-193.0939	-1.35	9-	4	R 42	193.4047	-1.86	7-	1	Q 18
191.9371	-1.86	13-	10	R 21	192.2409	-1.85	9-	4	P 15	-192.6372	-1.68	13-	10	R 33	193.0972	-2.28	7-	1	R 12	-193.4053	-1.71	13-	10	P 34
191.9394	-1.41	11-	7	O 23	192.2439	-1.38	9-	4	G 20	192.6424	-1.85	13-	10	P 25	193.0988	-3.12	7-	1	R 0	-193.4095	-1.08	9-	4	Q 60
191.9417	-2.37	19-	21	Q 13	192.2446	-1.72	11-	7	P 24	-192.6435	-1.42	9-	4	R 35	-193.1061	-1.66	10-	6	P 56	193.4187	-1.96	7-	1	R 27
191.9444	-2.57	19-	21	R 15	192.2468	-2.63	6-	0	P 28	192.6482	-2.28	15-	13	Q 5	193.1071	-2.25	7-	1	R 13	193.4244	-2.70	20-	23	R 10
191.9451	-2.36	17-	17	P 21	192.2508	-1.53	9-	4	R 27	192.6517	-3.02	15-	13	P 3	193.1122	-2.95	7-	1	O 1	193.4244	-2.35	7-	1	P 13
191.9518	-1.67	9-	4	Q 10	192.2516	-2.24	16-	15	P 18	192.6553	-2.24	15-	13	R 10	-193.1142	-1.13	9-	4	Q 36	193.4363	-1.83	7-	1	Q 19
191.9533	-2.15	13-	10	P 13	192.2517	-2.62	19-	21	P 16	-192.6636	-1.46	13-	10	Q 29	193.1160	-2.73	7-	1	O 2	193.4382	-1.63	15-	13	G 24
191.9540	-2.29	9-	4	P 6	192.2521	-2.06	16-	15	R 24	192.6647	-2.15	13-	10	Q 6	193.1187	-2.22	7-	1	R 14	193.4422	-2.50	20-	23	O 9
191.9546	-1.82	11-	7	P 19	192.2533	-1.97	13-	10	P 19	-192.6653	-1.62	11-	7	P 30	-193.1215	-1.41	11-	7	R 45	193.4436	-1.95	7-	1	R 28
191.9592	-1.69	9-	4	R 18	192.2554	-1.76	13-	10	R 27	192.6703	-1.22	9-	4	Q 29	193.1225	-2.58	7-	1	O 3	193.4471	-2.93	20-	23	P 8
191.9603	-2.29	6-	0	Q 29	-192.2675	-1.52	11-	7	R 34	192.6726	-2.84	15-	13	P 4	-193.1247	-1.75	13-	10	P 31	193.4471	-2.02	15-	13	P 21
191.9642	-2.39	16-	15	P 13	192.2697	-1.55	13-10	Q 23	192.6739	-2.21	15-	13	R 11	-193.1260	-1.17	11-	7	Q 40	-193.4522	-1.46	9-	4	P 35	
191.9643	-2.15	16-	15	R 15	192.2698	-1.85	16-	15	O 21	192.6821	-1.63	9-	4	P 24	193.1304	-2.47	7-	1	O 4	-193.4527	-1.50	11-	7	P 39
-191.9678	-1.59	11-	7	R 29	-192.2747	-1.17	10-	6	O 54	192.6841	-2.14	15-	13	O 7	193.1317	-1.73	15-	13	C 19	193.4599	-2.31	7-	1	P 14
191.9715	-2.72	6-	0	P 23	192.2803	-2.23	19-	21	Q 18	192.6940	-2.50	19-	21	P 21	193.1320	-2.19	7-	1	R 15	193.4694	-1.81	7-	1	Q 20
191.9725	-1.63	9-	4	Q 11	192.2827	-1.82	9-	4	P 16	192.6960	-2.72	15-	13	P 5	193.1322	-1.52	9-	4	P 31	193.4765	-2.66	20-	23	R 11
191.9767	-1.68	13-	10	Q 17	192.2833	-1.36	9-	4	O 21	-192.6961	-1.46	11-	7	R 40	193.1354	-2.14	15-	13	P 16	193.4795	-1.30	9-	4	R 47
191.9771	-2.76	19-	21	P 12	192.2927	-2.28	17-	17	P 25	192.6972	-2.11	16-	15	P 24	193.1391	-3.43	7-	1	P 2	-193.4888	-1.07	9-	4	O 41
191.9784	-2.21	9-	4	P 7	192.2932	-1.52	9-	4	R 28	192.6976	-2.17	15-	13	R 12	193.1396	-2.38	7-	1	Q 5	193.4892	-1.93	7-	1	R 29
191.9832	-1.95	16-	15	O 16	-192.2934	-1.31	11-	7	Q 29	-192.7019	-1.41	9-	4	R 36	193.1418	-1.92	15-	13	R 23	193.4955	-2.46	20-	23	Q 10
191.9837	-1.85	13-	10	R 22	192.2973	-2.62	6-	0	P 29	192.7060	-2.09	15-	13	O 8	193.1468	-2.17	7-	1	R 16	193.4966	-2.28	7-	1	P 15
191.9840	-1.67	9-	4	R 19	192.3016	-1.75	13-10	R 29	-192.7094	-1.23	11-	7	Q 35	193.1507	-2.31	7-	1	O 6	193.5013	-2.87	20-	23	P 9	
191.9911	-1.39	11-	7	Q 24	192.3091	-1.70	11-	7	P 25	-192.7147	-1.49	10-	6	P 53	193.1563	-3.12	7-	1	P 3	-193.5016	-1.69	13-	10	P 35
191.9931	-1.66	13-	10	Q 18	192.3132	-1.95	13-	10	P 20	192.7171	-1.83	13-	10	P 26	193.1629	-2.25	7-	1	Q 7	193.5039	-1.79	7-	1	Q 21
191.9941	-1.97	17-	17	Q 24	192.3182	-2.22	16-	15	P 19	192.7221	-2.62	15-	13	P 6	193.1631	-2.15	7-	1	R 17	-193.5039	-1.13	11-	7	Q 44
191.9944	-1.60	9-	4	D 12	192.3250	-1.34	9-	4	Q 22	192.7234	-2.14	15-	13	R 13	-193.1675	-1.34	9-	4	R 43	193.5089	-1.61	15-	13	Q 25
-191.9977	-2.11	13-	10	P 14	192.3257	-1.79	9-	4	P 17	192.7276	-2.21	15-	13	R 4	193.1699	-1.12	9-	4	Q 37	193.5124	-1.45	9-	4	P 36
191.9981	-1.54	10-	6	P 47	192.3261	-1.51	11-	7	R 35	192.7310	-2.04	15-	13	Q 9	-193.1718	-1.53	11-	7	P 36	193.5181	-2.00	15-	13	P 22
192.0007	-2.34	19-	21	Q 14	192.3302	-1.54	13-10	Q 24	-192.7385	-1.44	13-	10	Q 30	193.1762	-2.95	7-	1	P 4	193.5342	-2.63	20-	23	R 12	
192.0046	-2.15	9-	4	P 8	192.3310	-2.60	19-	21	P 17	192.7398	-1.61	9-	4	P 25	193.1777	-2.19	7-	1	O 8	193.5351	-2.25	7-	1	P 16
192.0047	-2.54	19-	21	R 16	192.3363	-1.82	16-	15	P 22	-192.7437	-1.60	11-	7	P 31	193.1813	-2.12	7-	1	R 18	193.5380	-1.49	11-	7	P 40
192.0104	-1.65	9-	4	R 20	192.3448	-1.51	10-	6	P 50	192.7529	-2.12	15-	13	R 14	193.1921	-2.12	15-	13	P 17	193.5538	-2.42	20-	23	Q 1
192.0160	-2.13	16-	15	R 20	192.3475	-1.29	11-	7	Q 30	192.7585	-2.00	15-	13	R 10	193.1932	-2.15	7-	1	Q 9	193.5599	-2.82	20-	23	P 10
192.0167	-2.36	16-	15	P 14	192.3605	-2.60	6-	0	P 30	-192.7621	-1.40	9-	4	R 37	193.1955	-3.30	20-	23	R 1	-193.5619	-1.29	9-	4	R 48
192.0197	-1.56	9-	4	Q 13	192.3614	-2.21	19-	21	Q 19	-192.7815	-1.45	11-	7	R 41	193.1968	-3.48	20-	23	R 3	-193.5705	-1.06	9-	4	Q 42
192.0219	-2.70	6-	0	P 24	-192.3616	-1.73	13-10	R 29	192.7823	-2.09	15-	13	P 25	193.1975	-2.82	7-	1	P 5	193.5754	-2.22	7-	1	P 17	
-192.0231	-1.57	11-	7	R 30	192.3693	-1.32	9-	4	Q 23	192.7827	-2.47	15-	13	P 8	193.2000	-1.90	15-	13	R 24	193.5788	-1.60	15-	13	Q 26
192.0266	-2.34	17-	17	P 22	192.3707	-1.76	9-	4	P 18	192.7848	-2.09	15-	13	R 15	-193.2014	-3.18	20-	23	R 2	193.5903	-1.98	15-	13	P 23
192.0305	-1.83	13-	10	R 23	192.3762	-1.68	11-	7	P 22	-192.7870	-1.22	11-	7	Q 36	193.2014	-2.03	20-	23	R 4	193.6050	-2.67	12-	8	R 2
192.0330	-2.09	9-	4	P 9	192.3778	-1.92	9-	4	R 30	192.7889	-1.96	15-	13	Q 11	-193.2086	-3.30	20-	23	Q 1	193.5975	-2.60	20-	23	R 13
192.0388	-1.93	16-	15	Q 18	192.3837	-1.49	9-	4	P 24	192.7889	-1.96	15-	13	Q 11	-193.2086	-3.30	20-	23	Q 1	193.5975	-2.60	20-	23	R 13
192.0391	-1.63	9-	4	R 21	192.3877	-2.26	17-	17	P 26	192.7941	-1.81	15-	13	O 13	-193.2140	-1.33	9-	4	R 44	193.6250	-2.78	20-	23	P 11
192.0393	-2.72	19-	21	P 13	192.3877	-2.19	16-	15	P 20	192.8003	-1.60	9-	4	P 26	-193.2118	-1.60	11-	7	R 46	193.6002	-2.42	12-	8	R 5
-192.0426	-1.18	10-	6	O 52	192.3919	-1.52	13-10	Q 25	-192.8166	-1.43	11-	7	P 31	-193.2144	-3.08	20-	23	R 3	193.6012	-2.57	12-	8	R 3	
192.0449	-1.47	9-	4	Q 16	192.4073	-2.25	17-	17	P 27	-192.9110	-1.17	9-	4	O 33	193.2183	-3.00	20-	23	R 4	193.6050	-2.67	12-	8	R 2
192.0457	-1.53	9-	4	Q 14	192.4061	-1.80	16-	15</td																

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ					
193.7904	-1.99	8	R17	194.0793	-2.17	10-	5	Q11	194.2946	-1.58	12-	8	Q24	194.5247	-2.85	17-16	P 5	-194.8567	-1.95	10-	5	R36		
193.7945	-1.67	7-	1	O28	194.0799	-3.49	18-18	P 2	-194.2949	-1.78	12-	8	R29	194.5256	-1.97	18-18	Q16	194.8574	-2.42	19-20	P15			
193.7958	-2.42	12-	8	P 8	194.0803	-1.44	11-	7	P45	194.3000	-2.10	10-	5	R25	194.5270	-2.34	17-16	R11	-194.8577	-1.30	9-	4	P50	
193.8003	-2.10	7-	1	P22	194.0812	-2.34	14-11	R 8	-194.3000	-0.99	9-	4	Q50	-194.5335	-1.51	12-	8	Q28	194.8606	-1.86	18-18	Q21		
193.8052	-1.87	12-	8	Q12	194.0817	-2.54	18-18	Q 4	194.3018	-2.61	19-20	0	4	194.5360	-2.28	10-	5	P19	194.8625	-1.93	17-16	Q16		
193.8099	-1.97	12-	8	R18	194.0831	-2.75	10-	5	P 7	194.3083	-2.61	19-20	R	7	194.5377	-2.38	18-18	P14	194.8673	-2.03	19-20	Q17		
-193.8112	-1.10	11-	7	O47	194.0831	-2.86	14-11	O 1	194.3096	-1.95	7-	1	P31	194.5381	-2.19	14-11	P15	194.8706	-2.15	10-	5	P25		
193.8226	-2.52	20-	23	R16	194.0861	-1.84	12-	8	R25	194.3106	-1.42	11-	7	P47	-194.5391	-1.73	12-	8	R33	194.8713	-1.75	10-	5	Q30
193.8265	-2.37	12-	8	P 9	194.0882	-2.66	14-11	O 2	194.3107	-3.27	19-20	P 3	-194.5408	-1.84	10-	5	Q24	194.8799	-2.24	18-18	P19			
-193.8269	-1.27	9-	4	R51	194.0940	-2.30	14-11	R 9	194.3116	-1.99	12-	8	P20	194.5419	-1.94	14-11	R23	194.8805	-2.04	14-11	P21			
-193.8281	-1.03	9-	4	O45	194.0958	-2.50	14-11	Q 3	194.3125	-1.91	14-11	Q13	194.5432	-2.17	18-18	R19	194.8908	-2.08	18-18	R24				
193.8311	-1.92	15-	13	P26	194.0977	-2.49	18-18	R 8	194.3126	-2.42	10-	5	P14	194.5457	-2.22	17-16	Q 8	194.8921	-2.34	17-16	P14			
193.8328	-1.65	7-	1	Q29	194.0990	-3.19	18-18	P 3	194.3124	-2.39	14-11	P10	194.5527	-2.75	17-16	P 6	-194.8986	-1.44	12-	8	Q33			
193.8345	-1.84	12-	8	Q13	194.0998	-2.21	10-	5	R19	194.3127	-2.09	18-18	P 12	194.5558	-2.36	19-20	R14	194.9068	-2.11	17-16	R20			
193.8441	-1.95	12-	8	R19	194.1011	-1.66	12-	8	Q20	194.3219	-2.53	19-20	O 5	194.5557	-2.31	17-16	R12	-194.9084	-1.82	12-	P29			
193.8445	-2.29	20-	23	Q15	194.1017	-2.45	18-18	O 5	194.3221	-2.04	14-11	R18	194.5601	-2.61	19-20	P10	194.9106	-1.63	14-11	Q25				
193.8501	-2.08	7-	1	P23	194.1028	-2.13	10-	5	Q12	194.3232	-1.94	10-	5	P19	194.5619	-1.91	12-	8	P24	194.9167	-1.91	17-16	Q17	
193.8524	-2.66	20-	23	P14	194.1057	-1.01	9-	4	O48	194.3279	-2.54	18-18	P10	194.5625	-1.75	14-11	O19	-194.9214	-1.94	10-	R37			
-193.8558	-1.40	9-	4	P40	194.1057	-2.09	12-	8	P16	194.3307	-1.35	9-	4	P45	194.5700	-2.17	19-20	D12	194.9290	-2.39	19-20	P16		
193.8597	-2.32	12-	8	P10	194.1060	-2.39	14-11	Q 4	194.3315	-2.26	18-18	R15	194.5743	-2.17	17-16	O 9	194.9334	-2.13	10-	P26				
193.8659	-1.81	12-	8	O14	194.1061	-2.26	14-11	R10	194.3318	-2.57	19-20	R 8	-194.5813	-2.01	10-	5	R31	-194.9359	-1.73	10-	5	Q31		
-193.8666	-1.46	11-	7	P43	194.1084	-3.34	14-11	P 2	194.3345	-3.09	19-20	P 4	194.5842	-2.67	17-16	P 7	194.9387	-1.84	18-18	Q22				
193.8791	-1.93	12-	8	R20	194.1099	-2.69	10-	5	P 8	194.3405	-2.09	10-	5	R26	194.5856	-1.95	18-18	Q17	194.9395	-2.00	19-20	Q18		
193.8819	-1.64	7-	1	Q30	194.1118	-2.30	14-11	O 5	194.3454	-2.46	19-20	Q 6	194.5868	-2.25	10-	5	P20	194.9471	-2.02	14-11	P22			
193.8850	-2.27	12-	7	P11	194.1206	-2.45	18-18	R 9	194.3481	-1.88	14-11	O14	194.5901	-2.16	14-11	P16	194.9489	-2.31	17-16	P15				
193.9005	-1.78	12-	8	Q15	194.1221	-3.01	18-18	P 4	194.3485	-1.76	12-	8	R30	194.5903	-1.83	10-	5	O25	194.9582	-2.21	18-18	P20		
193.9022	-2.06	7-	1	P24	194.1232	-2.38	18-18	Q 6	194.3513	-2.52	20-23	P19	194.5919	-2.28	17-16	R13	194.9654	-2.09	17-16	R21				
193.9121	-2.69	10-	5	R 5	194.1244	-1.99	7-	1	P28	194.3533	-2.39	10-	5	P15	194.5939	-1.93	14-11	R24	-194.9696	-1.29	9-	P51		
193.9126	-2.63	10-	5	R 6	194.1262	-3.04	14-11	P 3	194.3590	-2.53	19-20	R 9	194.5950	-2.34	18-18	P15	194.9707	-2.06	18-18	R25				
193.9136	-1.90	15-	13	P27	194.1265	-2.21	20-23	Q18	194.3596	-2.34	14-11	P11	-194.6036	-0.96	9-	4	Q53	-194.9725	-1.43	12-	8	Q34		
193.9136	-2.75	10-	5	R 4	194.1267	-2.23	14-11	R11	194.3597	-1.56	12-	8	P25	194.6046	-1.71	12-	8	R34	194.9740	-1.88	17-16	Q18		
193.9138	-2.50	20-	23	R17	194.1279	-2.19	10-	5	R20	194.3611	-2.02	14-11	R19	194.6054	-2.15	18-18	R20	194.9776	-1.62	14-11	Q26			
-193.9151	-1.26	9-	4	R52	194.1283	-2.10	10-	5	Q13	194.3618	-2.97	19-20	P 5	194.6056	-2.13	17-16	R10	-194.9896	-1.93	10-	R38			
193.9151	-2.58	10-	5	R 7	194.1311	-2.57	20-23	P17	194.3627	-2.97	10-	5	R20	194.6064	-1.50	12-	8	O29	194.9937	-1.81	12-	P30		
193.9164	-1.91	12-	8	R21	194.1337	-1.37	9-	4	P43	194.3678	-2.06	18-18	P13	194.6073	-2.34	14-11	R24	-194.9984	-2.12	10-	P27			
193.9169	-2.83	10-	5	R 3	194.1340	-2.23	14-11	Q 6	194.3716	-1.97	12-	8	P21	194.6115	-2.57	19-20	P11	-195.0008	-1.72	10-	5	Q32		
-193.9184	-1.02	9-	4	O46	194.1386	-1.82	10-	8	R26	194.3729	-2.39	19-20	Q 7	194.6142	-1.73	14-11	Q20	195.0048	-2.36	19-20	P17			
193.9198	-2.53	10-	5	R 8	194.1387	-2.63	10-	5	P 9	194.3752	-2.49	18-18	P11	194.6170	-1.89	12-	8	P25	-195.0088	-2.28	17-16	P16		
193.9221	-2.93	10-	5	R 2	194.1422	-2.89	18-18	P 5	194.3793	-2.24	18-18	R16	194.6187	-2.61	17-16	P 8	195.0101	-2.11	8-	R 7				
193.9261	-2.49	10-	5	R 9	194.1464	-2.86	14-11	P 4	194.3838	-2.07	10-	5	R27	194.6213	-2.14	19-20	Q13	195.0101	-2.16	8-	R 6			
193.9270	-1.75	12-	8	Q16	194.1468	-0.41	18-18	R10	194.3874	-1.65	14-11	P15	194.6260	-1.50	12-	8	O29	194.9937	-1.81	12-	P30			
193.9294	-3.06	10-	5	R 1	194.1478	-2.31	18-18	Q 7	194.3904	-2.49	19-20	R 9	194.6273	-2.34	18-18	P15	194.9984	-2.12	10-	P27				
193.9303	-2.26	20-	23	Q16	194.1481	-2.19	14-11	R12	194.3940	-2.87	19-20	P 6	194.6396	-2.23	10-	5	P21	195.0147	-2.29	8-	R 4			
193.9325	-2.27	12-	8	P12	194.1490	-1.64	12-	8	Q21	194.3958	-2.36	10-	5	P16	194.6396	-1.32	9-	4	P48	195.0152	-1.98	19-20	Q19	
193.9347	-2.45	10-	5	R10	194.1519	-2.16	14-11	O 7	194.3970	-2.30	14-11	P12	194.6400	-2.09	17-16	Q11	195.0154	-2.02	8-	R 9				
193.9389	-3.23	10-	5	R 5	194.1521	-0.07	12-	8	P17	194.4021	-2.00	14-11	R20	194.6420	-1.81	10-	5	O26	195.0166	-2.00	14-11	P23		
193.9451	-2.42	10-	5	R11	194.1583	-2.17	10-	5	R21	194.4041	-0.70	14-11	P21	194.6481	-1.91	11-	11	R25	195.0190	-1.82	18-18	Q23		
-193.9495	-1.39	9-	4	P41	194.1692	-2.74	14-11	P 5	194.4044	-2.34	19-20	Q 8	194.6488	-1.92	18-18	Q18	195.0207	-1.99	8-	R 10				
193.9521	-3.06	10-	5	Q 1	194.1697	-2.58	10-	5	P10	194.4086	-1.75	12-	8	R31	194.6564	-2.55	17-16	P 9	195.0263	-2.46	8-	R 2		
193.9557	-2.83	10-	5	Q 2	194.1711	-2.16	14-11	R13	194.4141	-2.85	17-16	R 2	194.6626	-2.31	19-20	R16	195.0268	-2.07	17-16	R22				
193.9560	-2.04	7-	1	P25	194.1722	-2.11	14-11	O 8	194.4141	-2.75	17-16	R 1	194.6656	-2.22	17-16	R15	195.0343	-1.86	17-16	Q19				
193.9568	-1.89	12-	8	R22	194.1730	-0.81	12-	8	R27	194.4163	-2.98	17-16	R 1	194.6659	-2.53	19-20	P12	195.0347	-2.59	8-	R 1			
193.9574	-2.39	10-	5	R 12	194.1744	-2.79	18-18	P 6	194.4168	-2.03	18-18	R18												

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
195.1952	-1.78	18-18	Q25		195.5325	-1.39	8-2	Q23		196.1003	-0.03	11-6	R 3	196.4645	-5.61	11-6	P 14	196.9017	-2.57	15-12	R 13			
-195.1981	-1.90	10- 5	R 41		195.5396	-2.13	16-14	Q12		196.1050	-5.58	11-6	R 12	196.4670	-5.31	11-6	R 24	196.9027	-2.47	13- 9	R 32			
-195.2024	-1.68	10- 5	Q35		195.5443	-2.27	16-14	R 16		196.1060	-6.12	11-6	R 2	196.4748	-5.65	11-6	P 13	196.9073	-3.04	15-12	P10			
-195.2026	-1.28	9- 4	P53		195.5640	-1.83	8- 2	P18		196.1064	-2.72	13- 9	Q 9	196.4779	-5.16	11-6	Q 18	196.9112	-4.99	11- 6	Q27			
195.2055	-2.07	10- 5	P30		195.5690	-2.58	16-14	P10		196.1065	-5.73	11-6	K 8	196.4900	-2.57	13- 9	R 25	196.9125	-5.18	11-6	R33			
195.2085	-2.20	17-16	P19		195.5742	-1.38	8- 2	Q24		196.1118	-2.77	13- 9	R 15	196.4915	-2.82	13- 9	P16	196.9232	-2.70	15-12	R18			
195.2127	-1.63	8- 2	Q13		195.5772	-2.10	16-14	Q13		196.1132	-6.25	11-6	R 1	196.4948	-2.38	13- 9	Q20	196.9392	-2.53	15-12	Q14			
195.2136	-2.22	8- 2	P 8		195.5828	-1.62	10- 5	Q40		196.1142	-3.30	13- 9	P 6	196.5000	-1.77	16-14	Q28	196.9469	-3.00	15-12	P11			
195.2190	-2.15	18-18	P23		195.5839	-2.25	16-14	R17		196.1154	-5.68	11-6	R 9	196.5036	-2.15	16-14	P25	196.9566	-5.38	11- 6	P23			
195.2214	-1.69	8- 2	R22		195.5867	-2.00	10- 5	P35		196.1169	-2.25	16-14	P20	196.5076	-5.29	11-6	R25	196.9585	-1.50	10- 5	Q54			
-195.2253	-1.39	12- 8	Q37		195.5936	-1.85	10- 5	R46		196.1173	-1.86	16-14	Q23	196.5167	-1.53	10- 5	Q50	196.9608	-2.24	13- 9	Q28			
195.2366	-1.80	17-16	O22		195.6072	-0.09	17-16	P24		196.1176	-1.56	10- 5	Q46	196.5179	-5.13	11-6	Q19	196.9633	-2.68	15-12	R19			
195.2368	-1.60	8- 2	Q14		195.6087	-1.81	8- 2	P19		196.1223	-6.42	11-6	R 0	196.5256	-5.58	11-6	P15	196.9650	-2.07	16-14	P30			
195.2407	-2.16	8- 2	P 9		195.6107	-2.53	16-14	P11		196.1261	-1.93	10- 5	P 41	196.5279	-1.89	11-6	P 45	196.9651	-2.64	13- 9	P24			
195.2410	-1.94	14-11	P26		195.6172	-2.08	18-18	P27		196.1269	-5.65	11-6	R 10	196.5414	-2.55	13- 9	R26	196.9652	-1.85	10- 5	P49			
-195.2473	-1.76	12- 8	P33		195.6179	-2.07	16-14	Q14		196.1296	-2.68	13- 9	O 10	196.5421	-2.79	13- 9	P17	196.9695	-4.97	11- 6	Q28			
195.2513	-1.67	8- 2	R23		195.6182	-1.36	8- 2	O25		196.1356	-6.25	11-6	O 1	196.5445	-2.36	13- 9	Q21	196.9731	-5.17	11- 6	R34			
195.2566	-2.29	19-20	P20		195.6187	-1.71	12- 8	P37		196.1387	-2.74	13- 9	R 16	196.5508	-5.28	11-6	R26	196.9794	-2.51	15-12	Q15			
195.2627	-1.57	8- 2	O15		195.6267	-2.23	16-14	R18		196.1394	-5.55	11-6	R13	196.5570	-1.77	10- 5	R56	196.9891	-2.96	15-12	P12			
195.2696	-2.11	8- 2	P10		195.6549	-2.49	16-14	P12		196.1398	-6.03	11-6	O 2	196.5599	-5.11	11-6	Q20	197.0082	-2.65	15-12	R20			
-195.2713	-1.67	10- 5	Q36		195.6551	-1.79	8- 2	P20		196.1411	-3.22	13- 9	P 7	196.5798	-5.55	11-6	P16	197.0102	-1.74	10- 5	R60			
-195.2721	-1.89	10- 5	R42		195.6615	-2.04	16-14	Q15		196.1418	-5.61	11-6	R 11	196.5859	-1.76	16-14	P29	197.0121	-1.97	9- 3	R 6			
195.2808	-2.06	10- 5	P31		195.6645	-1.34	8- 2	Q26		196.1426	-1.80	10- 5	R 52	196.5902	-2.13	16-14	P26	197.0127	-1.92	9- 3	R 7			
195.2812	-2.17	17-16	P20		195.6662	-1.61	10- 5	O41		196.1460	-5.88	11- 6	O 3	196.5952	-2.77	13- 9	P18	197.0132	-2.03	9- 3	R 5			
195.2874	-1.77	18-18	O26		195.6737	-2.21	16-14	R19		196.1475	-2.07	16-14	R27	196.5953	-2.53	13- 9	R27	197.0153	-1.88	9- 3	R 8			
195.2901	-1.65	8- 2	R24		195.6759	-1.99	10- 5	P36		196.1500	-1.62	8- 2	P29	196.5958	-5.26	11-6	R 27	197.0162	-2.10	9- 3	R 4			
195.2901	-1.55	8- 2	Q16		195.6800	-1.84	10- 5	R47		196.1543	-5.77	11-6	O 4	196.5966	-2.34	13- 9	Q22	197.0182	-5.36	11- 6	P24			
195.2923	-2.83	16-14	R 3		195.6975	-2.07	17-16	P25		196.1556	-2.64	13- 9	O 11	196.6038	-5.09	11-6	Q 21	197.0199	-1.84	9- 3	R 9			
195.2938	-2.93	16-14	R 2		195.7028	-2.45	16-14	P13		196.1622	-6.73	11-6	P 2	196.6231	-1.52	10- 5	P51	197.0211	-2.18	9- 3	R 3			
195.2942	-2.75	16-14	R 4		195.7033	-1.76	8- 2	P21		196.1659	-5.68	11-6	O 5	196.6295	-5.52	11-6	P17	197.0222	-2.48	15-12	Q16			
195.2976	-3.05	16-14	R 1		195.7081	-2.01	16-14	O16		196.1668	-5.52	11-6	R 14	196.6327	-1.88	10- 5	P46	197.0254	-1.80	9- 3	R10			
195.2990	-2.68	16-14	R 5		195.7141	-1.32	8- 2	Q27		196.1682	-2.72	13- 9	R 17	196.6340	-3.30	15-12	R 3	197.0273	-2.27	9- 3	R 2			
195.3004	-2.07	8- 2	P11		195.7175	-1.70	12- 8	P38		196.1707	-3.15	13- 9	P 8	196.6346	-3.22	15-12	R 4	197.0287	-2.23	13- 9	Q29			
195.3026	-1.63	8- 2	R25		195.7223	-2.19	16-14	R20		196.1782	-5.61	11-6	O 6	196.6361	-3.40	15-12	R 2	197.0308	-4.96	11- 6	Q29			
195.3037	-3.23	16-14	R 0		195.7269	-2.06	18-18	P28		196.1796	-5.55	11-6	O 7	196.6376	-3.15	15-12	R 5	197.0332	-1.76	9- 3	R11			
195.3064	-2.63	16-14	R 6		195.7520	-1.60	10- 5	O42		196.1798	-6.42	11-6	P 3	196.6409	-3.52	15-12	R 1	197.0340	-2.92	15-12	P13			
195.3105	-1.78	17-16	O23		195.7530	-2.42	16-14	P14		196.1838	-2.60	13- 9	O 12	196.6435	-3.09	15-12	R 6	197.0351	-2.62	13- 9	P25			
195.3116	-2.13	18-18	P24		195.7535	-1.74	8- 2	P22		196.1885	-1.84	16-14	Q24	196.6437	-5.25	11-6	R28	197.0356	-5.16	11-6	R35			
-195.3138	-1.38	12- 8	Q38		195.7576	-1.91	16-14	Q17		196.1891	-2.23	16-14	P21	196.6486	-3.70	15-12	R 0	197.0359	-2.40	9- 3	R 1			
195.3162	-3.05	16-14	Q 1		195.7579	-1.98	10- 5	P37		196.1898	-5.50	11-6	R 15	196.6495	-5.07	11-6	Q22	197.0429	-1.73	9- 3	R 12			
195.3170	-2.58	16-14	R 7		195.7680	-1.83	10- 5	R48		196.1902	-6.25	11-6	P 4	196.6501	-2.52	13- 9	R28	197.0457	-2.58	9- 3	R 0			
-195.3175	-1.27	9- 4	P54		195.7728	-1.31	8- 2	Q28		196.1969	-2.70	13- 9	R 18	196.6509	-2.74	13- 9	P19	197.0546	-1.70	9- 3	R13			
195.3195	-1.52	8- 2	O17		195.7753	-2.17	16-14	R21		196.2026	-3.09	13- 9	P 9	196.6512	-2.33	13- 9	Q23	197.0548	-2.64	15-12	R21			
195.3207	-1.93	14-11	P27		195.7928	-1.29	8- 2	O29		196.2059	-5.50	11-6	R 16	196.6615	-3.52	15-12	R 1	197.0633	-2.18	9- 3	Q2			
195.3227	-2.83	16-14	Q 2		195.8056	-1.72	8- 2	P23		196.2135	-5.47	11-6	R 16	196.6615	-3.52	15-12	R 1	197.0659	-2.05	16-14	P31			
195.3307	-2.53	16-14	R 8		195.8063	-2.38	16-14	P15		196.2143	-2.57	13- 9	O 13	196.6631	-3.00	15-12	R 8	197.0659	-2.05	16-14	P25			
195.3314	-2.68	16-14	Q 3		195.8098	-1.96	16-14	Q18		196.2148	-1.60	8- 2	P30	196.6666	-3.30	15-12	O 2	197.0676	-1.67	9- 3	R14			
195.3328	-2.02	8- 2	P12		195.8191	-1.69	12- 8	P39		196.2154	-1.55	10- 5	O47	196.6683	-1.76	10- 5	R57	197.0680	-2.45	15-12	Q17			
-195.3358	-1.75	12- 8	P34		195.8283	-2.15	16-14	R22		196.2207	-2.05	16-14	R28	196.6740	-1.74	16-14	O30	197.0684	-2.03	9- 3	O3			
195.3391	-1.62	8- 2	R26		195.8400	-1.59	10- 5	P43		196.2209	-6.12	11-6	P 5	196.6746	-3.15	15-12	R 3	197.0735	-1.49	10- 5	O55			
195.3413	-3.53	16-14	P 2		195.8472	-1.96	10- 5	R30		196.2247	-5.33	11- 6	Q 2	196.6797	-5.05	11-6	Q23	197.0887	-4.99	11- 6	R30			
195.3425	-2.58	16-14	O 4		195.8519	-1.28	8- 2	Q30		196.2501	-5.45	11-6	O 9	196.6798	-2.96	15-12	O 5	197.0954	-1.76	9- 3	O 6			

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
197.2758	-1.92	9-	3	P10	197.6911	-1.80	10-	5	P55	198.1447	-3.65	17-	15	R 7	198.4621	-4.02	14-	10	Q 1
197.2783	-2.36	15-	12	Q21	197.6936	-2.63	18-	17	Q12	198.1466	-3.91	17-	15	Q 2	198.4677	-3.46	14-	10	R 9
-197.2848	-5.29	11-	6	P28	197.7041	-5.06	11-	6	R44	198.1543	-5.02	11-	6	R 49	198.4711	-2.37	12-	7	R 15
-197.2941	-4.90	11-	6	Q33	197.7043	-3.07	18-	17	P10	198.1565	-3.76	17-	15	Q 3	198.4712	-2.37	12-	7	Q 8
197.2998	-2.77	15-	12	P18	197.7099	-2.64	15-	12	P24	198.1599	-2.91	20-	21	R 14	198.4718	-3.80	14-	10	Q 2
197.3013	-1.46	9-	3	R24	197.7240	-1.58	9-	3	P21	198.1600	-3.61	17-	15	R 8	198.4769	-3.31	17-	15	R 18
197.3021	-1.36	9-	3	Q16	197.7285	-2.77	18-	17	R16	198.1619	-2.71	20-	21	Q12	198.4794	-3.66	14-	10	Q 3
-197.3076	-5.11	11-	6	R39	197.7318	-2.60	18-	17	Q13	198.1654	-4.61	17-	15	P 2	198.4816	-3.42	14-	10	R 10
197.3079	-1.88	9-	3	P11	197.7408	-1.14	9-	3	Q27	198.1683	-3.65	17-	15	Q 4	198.4826	-3.00	12-	7	P 5
-197.3121	-1.47	10-	5	Q57	197.7489	-3.03	18-	17	P11	198.1685	-2.80	18-	17	P18	198.4844	-2.70	18-	17	P22
-197.3162	-1.83	10-	5	P52	197.7498	-5.21	11-	6	P34	198.1782	-3.57	17-	15	R 9	198.4890	-3.55	14-	10	Q 4
197.3258	-2.55	15-	12	R26	197.7526	-2.24	15-	12	Q28	198.1838	-3.57	17-	15	P 5	198.4894	-2.57	20-	21	Q17
197.3327	-1.33	9-	3	Q17	197.7579	-4.83	11-	6	Q39	198.1848	-4.31	17-	15	P 3	198.4904	-2.32	12-	7	Q 9
-197.3340	-2.17	13-	9	Q33	197.7758	-2.55	9-	3	P22	198.1906	-1.43	9-	3	P29	198.4936	-4.50	14-	10	P 2
197.3346	-1.45	9-	3	R25	197.7774	-2.75	18-	17	R17	198.1975	-3.11	20-	21	P11	198.4936	-2.79	20-	21	R19
197.3378	-2.34	15-	12	Q22	197.7798	-2.56	18-	17	Q14	198.1983	-5.15	11-	6	P39	198.4944	-4.94	20-	21	Q20
197.3407	-2.55	13-	9	P29	197.7801	-2.48	13-	9	P34	198.2009	-3.53	17-	15	R10	198.4947	-5.11	11-	6	P42
197.3408	-1.84	9-	3	P12	197.7865	-2.62	15-	12	P25	198.2031	-3.49	17-	15	Q 6	198.4957	-3.57	17-	15	P12
-197.3457	-5.28	11-	6	P29	197.7905	-5.05	11-	6	R45	198.2071	-2.39	18-	17	P21	198.4981	-3.39	14-	10	R11
197.3607	-2.74	15-	12	P19	197.7975	-1.12	9-	3	Q28	198.2076	-4.13	17-	15	P 4	198.5013	-3.46	14-	10	O 5
197.3649	-1.31	9-	3	Q18	197.7996	-2.99	18-	17	P12	198.2083	-4.78	11-	6	O44	198.5033	-1.75	10-	5	P61
-197.3660	-4.89	11-	6	Q34	197.8125	-3.63	20-	21	R1	198.2134	-2.61	18-	17	R24	198.5042	-3.12	17-	15	Q15
197.3707	-1.43	9-	3	R26	197.8131	-3.51	20-	21	R2	198.2172	-2.88	20-	21	R15	198.5046	-4.75	11-	6	O47
197.3761	-1.80	9-	3	P13	197.8155	-3.81	20-	21	R 0	198.2184	-2.68	20-	21	Q13	198.5072	-2.90	12-	7	P 6
-197.3832	-5.10	11-	6	R40	197.8181	-3.41	20-	21	R 3	198.2201	-3.49	17-	15	R11	198.5115	-4.20	14-	10	P 3
197.3918	-2.53	15-	12	R27	197.8199	-1.79	10-	5	P56	198.2214	-2.53	15-	12	P30	198.5121	-2.28	12-	7	T 0
197.3994	-1.29	9-	3	Q19	197.8199	-1.44	10-	5	O61	198.2243	-1.77	10-	5	P59	198.5160	-3.39	14-	10	Q 6
197.4002	-2.33	15-	12	Q23	197.8274	-3.33	20-	21	R 4	198.2247	-3.43	17-	15	Q 7	198.5173	-3.35	14-	10	R12
197.4078	-1.41	9-	3	R27	197.8278	-3.63	20-	21	O 1	198.2291	-4.01	17-	15	P 5	198.5197	-2.32	12-	7	R17
197.4097	-3.43	18-	17	R 2	197.8293	-1.53	9-	3	P23	198.2427	-2.77	18-	17	P19	198.5260	-3.29	17-	15	R19
197.4112	-3.33	18-	17	R 3	197.8300	-2.73	18-	17	R18	198.2486	-3.46	17-	15	R12	198.5283	-2.32	18-	17	O25
197.4132	-1.76	9-	3	P14	197.8302	-2.54	18-	17	O15	198.2519	-3.38	17-	15	Q 8	198.5323	-4.02	14-	10	P 4
197.4134	-3.55	18-	17	R 1	197.8333	-2.23	15-	12	Q29	198.2524	-5.01	11-	6	R50	198.5331	-3.32	14-	10	Q 7
197.4154	-3.25	18-	17	R 4	197.8347	-5.19	11-	6	P35	198.2579	-3.07	20-	21	P12	198.5334	-2.82	12-	7	P 7
197.4187	-3.73	16-	17	R 0	197.8371	-3.41	20-	21	Q 2	198.2581	-1.41	9-	3	P30	198.5357	-2.24	12-	7	Q 2
197.4218	-2.53	13-	9	P30	197.8410	-3.27	20-	21	R 5	198.2615	-3.91	17-	15	P 6	198.5392	-3.32	14-	10	R13
197.4233	-3.18	18-	17	R 5	197.8423	-1.11	9-	3	Q29	198.2701	-3.33	17-	15	R 5	198.5395	-3.53	17-	15	P13
197.4253	-2.72	15-	12	P20	197.8432	-4.82	11-	6	O40	198.2791	-3.43	17-	15	R13	198.5428	-2.93	20-	21	P16
197.4312	-3.55	18-	17	O 1	197.8501	-3.27	20-	21	O 3	198.2793	-2.65	20-	21	Q14	198.5476	-2.30	12-	7	R 18
-197.4314	-5.26	11-	6	P30	197.8524	-4.11	20-	21	P 2	198.2794	-2.86	20-	21	R16	198.5528	-3.27	14-	10	Q 8
197.4337	-3.12	18-	17	R 6	197.8527	-0.95	18-	17	P13	198.2820	-2.37	18-	17	Q22	198.5536	-3.09	17-	15	Q16
197.4355	-1.26	9-	3	Q20	197.8589	-3.21	20-	21	R 6	198.2906	-2.60	18-	17	R25	198.5551	-3.90	14-	10	P 5
-197.4369	-1.46	10-	5	Q58	197.8658	-2.60	15-	12	P26	198.2941	-5.13	11-	6	P40	198.5615	-4.99	11-	6	R53
197.4385	-3.33	18-	17	O 2	197.8674	-3.16	20-	21	O 4	198.2951	-3.83	17-	15	P 7	198.5615	-2.20	12-	7	Q 12
-197.4394	-1.82	10-	5	P53	197.8741	-3.81	20-	21	P 3	198.3021	-4.77	11-	6	G45	198.5619	-2.75	12-	7	P 8
-197.4403	-4.87	11-	6	Q35	197.8764	-0.94	11-	6	R46	198.3029	-3.29	17-	15	Q10	198.5656	-3.30	14-	10	R14
197.4473	-3.18	18-	17	O 3	197.8809	-3.16	20-	21	R 7	198.3125	-3.40	17-	15	R14	198.5685	-2.54	20-	21	Q18
197.4477	-1.40	9-	3	R28	197.8843	-2.70	18-	17	R19	198.3206	-2.75	18-	17	P22	198.5720	-2.68	17-	15	Q16
197.4484	-3.07	18-	17	R 7	197.8847	-2.51	18-	17	O16	198.3224	-3.03	20-	21	P13	198.5750	-3.22	14-	10	Q 9
197.4523	-1.73	9-	3	P15	197.8848	-1.52	9-	3	P24	198.3235	-3.76	17-	15	P 8	198.5775	-2.28	12-	7	R19
197.4563	-4.03	18-	17	P 2	197.8890	-3.07	20-	21	Q 5	198.3246	-1.40	9-	3	P31	198.5784	-3.27	17-	15	R20
197.4595	-2.52	15-	12	R22	197.8980	-1.09	9-	3	Q30	198.3377	-3.25	17-	15	Q11	198.5808	-3.80	14-	10	P 6
-197.4605	-5.09	11-	6	R41	197.8993	-3.63	20-	21	P 4	198.3450	-2.62	20-	21	Q15	198.5827	-3.27	14-	10	R15
197.4613	-3.07	18-	17	R 9	197.9386	-3.07	20-	21	R 9	198.3602	-2.36	18-	17	Q23	198.6085	-4.74	11-	6	O48
197.4666	-1.39	9-	3	R29	197.9420	-2.48	18-	17	Q17	198.3604	-1.76	10-	5	P60	198.6085	-3.72	14-	10	P 7
-197.4692	-2.70	15-	12	P21	197.9422	-1.50	9-	3	P25	198.3613	-2.90	12-	7	R 7	198.6096	-2.26	12-	7	R20
197.4698	-1.70	9-	3	P16	197.9431	-2.68	18-	17	R20	198.3618	-3.71	17-	15	P 9	198.6147	-3.25	14-	10	R16
197.4795	-3.55	18-	17	P 4	197.9451	-2.93	20-	21	Q 7	198.3634	-2.65	12-	7	R 7	198.6181	-2.30	18-	17	Q26
197.4805	-2.91	18-	17	Q 6	197.9506	-1.78	10-	5	P57	198.3661	-3.00	12-	7	R 2	198.6197	-2.14	12-	7	Q 14
-197.5074	-5.25	13-	9	P31	197.9510	-2.58	15-	12	P27	198.3691	-2.60	12-	7	R 8	198.6251	-2.91	20-	21	P17
197.5076	-2.52	13-	9	P31	197.9536	-1.44	10-	5	O62	198.3732	-3.12	12-	7	R 7	198.6253	-2.65	12-	7	P10
197.5110	-2.95	18-	17	R10	197.9629	-3.41	20-	21	P 6	198.3752	-3.21	17-	15	Q1					

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
-199.0547	-2.09	12-	7	R30	199.3474	-3.47	7-	0	P19	199.6141	-3.94	12-	7	R8	199.9939	-3.47	21-23	Q14	200.6165	-3.49	8-	1	R1	
199.0560	-3.77	7-	0	P10	199.3482	-3.96	16-13	D 2	-199.6191	-1.77	12-	7	Q33	-200.0003	-1.94	12-	7	R44	200.6169	-3.61	19-18	Q 7		
199.0578	-3.26	7-	0	R27	-199.3494	-1.83	12-	7	D 29	-199.6192	-2.72	14-10	Q30	200.0050	-3.86	21-23	P13	200.6220	-3.25	16-13	P27			
199.0611	-2.92	17-15	Q24	199.3424	-3.66	16-13	R 8	199.6275	-3.36	16-13	R18	200.0063	-3.41	16-13	P19	200.6232	-2.79	8-	1	R13				
199.0741	-2.32	12-	7	P20	-199.3527	-2.98	14-10	R31	199.6281	-4.24	21-23	P 6	-200.0123	-2.08	12-	7	P34	200.6271	-3.67	8-	1	R 0		
199.0780	-3.27	14-10	P18	199.3570	-3.82	16-13	D 3	199.6286	-1.63	10-	4	P17	-200.0128	-1.03	10-	4	O31	200.6290	-4.54	20-20	R 2			
199.0815	-3.16	7-	0	Q18	-199.3574	-2.03	12-	7	R35	199.6330	-3.76	21-23	Q 7	-200.0190	-1.23	10-	4	R38	200.6296	-4.67	20-20	R 1		
199.0875	-2.85	14-10	Q22	199.3588	-1.88	10-4	P10	199.6353	-3.20	16-13	Q14	-200.0258	-1.70	12-	7	Q39	200.6321	-4.45	20-20	R 3				
199.0889	-3.68	7-	0	P12	199.3625	-1.34	10-	4	O15	-199.6365	-5.02	11-	6	P52	200.0474	-1.43	10-	4	P26	200.6337	-2.76	8-	1	R14
199.0910	-1.93	10-	4	R 6	199.3644	-3.62	16-13	R 9	199.6382	-3.66	16-13	P11	200.0537	-3.68	21-23	R16	200.6344	-4.84	20-20	R 0				
199.0917	-1.99	10-	4	R 5	199.3682	-3.71	16-13	D 4	199.6439	-3.35	7-	0	P25	200.0550	-2.99	16-13	O23	-200.6376	-0.92	10-	4	Q40		
199.0926	-1.88	10-	4	R 7	199.3689	-3.66	16-13	P 2	-199.6476	-1.33	10-	4	R30	-200.0592	-3.01	14-10	P32	200.6402	-4.37	20-20	R 4			
199.0932	-3.25	7-	0	R28	199.3704	-3.00	7-	0	Q26	-199.6490	-1.99	12-	7	R39	-200.0727	-1.02	10-	4	Q32	200.6414	-3.49	8-	1	Q 1
199.0941	-2.05	10-	4	R 4	199.3706	-1.43	10-	4	R23	199.6571	-3.89	21-23	R 9	200.0731	-3.38	16-13	P20	200.6419	-3.67	19-18	R 11			
199.0954	-1.83	10-	4	R 8	199.3815	-2.22	12-	7	P25	199.6584	-1.16	10-	4	Q23	200.0793	-3.44	21-23	Q15	200.6450	-2.35	13-	8	R 5	
199.0981	-1.89	12-	7	Q25	199.3821	-3.23	17-15	P25	199.6693	-2.15	12-	7	P29	-200.0860	-1.23	10-	4	R39	200.6450	-2.41	13-	8	R 4	
199.0982	-2.13	10-	4	R 3	199.3823	-3.58	16-13	R10	199.6712	-3.34	16-13	R19	200.0898	-3.82	21-23	P14	200.6452	-3.27	8-	1	Q 2			
199.1009	-1.79	10-	4	R 9	199.3824	-3.62	16-13	O 5	199.6746	-1.60	10-	4	P18	-200.0906	-1.93	12-	7	R45	200.6458	-3.56	19-18	O 8		
199.1042	-2.23	10-	4	R 2	199.3874	-4.36	16-13	P 3	199.6771	-3.71	21-23	Q 8	200.0985	-4.99	11-	6	P56	200.6460	-2.74	8-	1	R15		
199.1078	-1.75	10-	4	R10	199.3883	-3.16	14-10	P23	199.6780	-3.17	16-13	Q15	-200.1025	-2.07	12-	7	P35	200.6462	-4.09	19-18	P 6			
199.1121	-3.13	7-	0	Q19	-199.3901	-5.04	11-	6	P50	199.6808	-4.16	21-23	P 7	200.1109	-1.42	10-	4	P27	200.6470	-4.67	20-20	Q 1		
199.1123	-2.35	10-	4	R 1	199.3920	-1.83	10-	4	P11	199.6829	-3.62	16-13	P12	200.1240	-2.97	16-13	Q24	200.6473	-2.29	13-	8	R 6		
199.1131	-3.04	14-	10	R27	199.3926	-1.31	10-	4	O16	-199.6903	-1.76	12-	7	Q34	-200.1255	-1.69	12-	7	Q40	200.6474	-2.49	13-	8	R 3
199.1138	-2.08	12-	7	R31	199.3946	-3.45	7-	0	P20	199.6909	-3.09	14-	10	R27	-200.1372	-1.01	10-	4	O33	200.6517	-2.24	13-	8	R 7
199.1159	-1.72	10-	4	R11	199.3992	-3.55	16-13	O 6	-199.6956	-1.31	10-	4	R31	-200.1431	-3.36	16-13	P21	200.6517	-4.30	20-20	R 5			
199.1218	-2.53	10-	4	R 0	199.4009	-2.76	14-10	Q27	199.6986	-3.33	7-	0	P26	-200.1469	-1.21	10-	4	R40	200.6518	-3.12	8-	1	Q 3	
199.1251	-3.65	7-	0	P13	199.4029	-3.55	16-13	R11	-199.6987	-2.70	14-10	Q31	200.1486	-3.66	21-23	R17	200.6519	-2.59	13-	8	R 2			
199.1275	-1.69	10-	4	R12	-199.4034	-1.81	12-	7	Q30	199.7032	-1.14	10-	4	Q24	-200.1516	-3.00	14-10	P33	200.6549	-4.45	20-20	R 2		
199.1292	-3.29	17-	15	P22	199.4042	-1.42	10-	4	R24	199.7053	-3.86	21-23	R10	200.1684	-3.42	21-23	O16	200.6566	-2.19	13-	8	R 8		
199.1312	-2.30	12-	7	P21	-199.4071	-4.68	11-	6	O55	199.7178	-3.32	16-13	R20	200.1764	-1.40	10-	4	P28	200.6588	-2.71	13-	8	R 1	
199.1357	-2.35	10-	4	P1	199.4092	-0.19	16-13	P 4	199.7225	-1.58	10-	4	P19	-200.1805	-3.79	21-23	P15	200.6597	-3.01	8-	1	O 4		
199.1369	-3.25	14-	10	P19	199.4190	-3.49	16-13	O 7	199.7232	-3.14	16-13	Q16	-200.1811	-1.92	12-	7	R46	200.6597	-2.71	8-	1	R16		
199.1388	-2.90	17-	15	P25	199.4238	-2.99	7-	0	Q27	199.7256	-3.66	21-23	Q 9	-200.1962	-2.96	16-13	Q25	200.6670	-4.30	20-20	Q 3			
199.1397	-1.66	10-	4	R13	199.4247	-1.29	10-	4	O17	-199.7285	-1.98	12-	7	R40	-200.1964	-2.06	12-	7	P36	200.6675	-4.24	20-20	R 6	
199.1400	-2.22	13-	10	R 2	-199.4256	-2.97	14-10	R32	199.7296	-3.58	16-13	P13	-200.2030	-0.99	10-	4	Q34	200.6676	-2.15	13-	8	R 9		
199.1426	-2.83	14-	10	Q23	199.4265	-3.52	16-13	R12	199.7321	-4.09	21-23	P 8	-200.2161	-3.34	16-13	P22	200.6680	-2.89	13-	8	R 0			
199.1444	-3.11	7-	0	Q20	199.4267	-1.79	10-	4	P12	-199.7469	-2.14	12-	7	P30	-200.2162	-1.20	10-	4	R41	200.6689	-2.93	8-	1	O 5
199.1457	-1.99	10-	4	Q 3	-199.4298	-2.02	12-	7	R36	-199.7458	-1.30	10-	4	R32	-200.2198	-1.68	12-	7	Q41	-200.6695	-1.14	10-	4	R47
199.1511	-5.05	11-	6	P48	199.4335	-4.06	16-13	P 5	199.7507	-1.12	10-	4	Q25	-200.2327	-4.98	11-	6	P57	200.6701	-3.97	8-	1	P 2	
199.1536	-1.88	10-	4	O 4	199.4398	-1.40	10-	4	R25	199.7556	-3.31	7-	0	P27	-200.2434	-1.38	10-	4	P29	200.6724	-5.14	20-20	P 2	
199.1547	-1.88	12-	7	Q26	199.4414	-3.43	16-13	O 8	199.7593	-3.82	21-23	R11	-200.2515	-2.98	14-10	P34	200.6750	-2.69	8-	1	R17			
199.1547	-1.63	10-	4	R14	199.4420	-3.42	7-	0	P21	199.7656	-3.30	16-13	R21	-200.2652	-3.39	21-23	Q17	200.6765	-3.64	19-18	R12			
199.1587	-2.03	14-	10	R28	199.4500	-2.20	12-	7	P26	-199.7659	-5.01	11-	6	P53	-200.2674	-2.94	16-13	Q26	200.6774	-3.51	19-18	O 9		
199.1619	-3.61	7-	0	P14	199.4524	-3.49	16-13	R13	-199.7693	-1.75	12-	7	Q35	-200.2708	-0.98	10-	4	Q35	200.6789	-2.11	13-	8	R10	
199.1631	-4.70	11-	6	O53	199.4558	-2.97	7-	0	Q28	199.7712	-3.12	16-13	Q17	-200.2784	-3.76	21-23	P16	200.6801	-2.86	8-	1	P 6		
199.1634	-1.79	10-	4	Q 5	199.4586	-1.26	10-	4	Q18	199.7724	-1.55	10-	4	P20	-200.2817	-2.04	12-	7	P37	200.6812	-4.01	19-18	P 7	
199.1634	-2.83	10-	4	P 2	199.4607	-3.96	16-13	P 6	199.7730	-3.07	14-10	P28	-200.2862	-1.19	10-	4	R42	200.6817	-2.71	13-	8	Q 1		
199.1669	-2.07	12-	7	R32	199.4619	-3.14	14-10	P24	-199.7752	-2.69	14-10	Q32	-200.2902	-3.32	16-13	P23	200.6828	-4.19	20-20	Q 4				
199.1709	-1.60	10-	4	R15	199.4625	-1.75	10-	4	P13	199.7794	-3.55	16-13	P14	-200.3131	-1.37	10-	4	P30	-200.6830	-2.00	12-	7	P41	
199.1748	-1.72	10-	4	O 6	199.4669	-3.38	16-13	Q 9	199.7811	-3.61	21-23	Q10	-200.3223	-1.67	12-	7	Q42	200.6861	-2.49	13-	8	Q 2		
199.1777	-3.09	7-	0	Q21	199.4688	-4.46	21-23	R 1	199.7887	-4.03	21-23	P 9	-200.3413	-0.97	10-	4	G36	200.6872	-4.19	20-20	R 7			
199.1816	-2.53	10-	4	P 3	199.4704	-4.63	21-23	O 1	199.8243	-														

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
200.7965	-1.93	13-	8	R16	201.0226	-3.67	19-	18	P14	201.2279	-2.24	8-	1	Q26	201.4599	-1.98	11-	5	P10
-200.7992	-9.10	10-	4	Q42	201.0228	-1.79	13-	8	R23	201.2281	-1.79	11-	5	R12	201.4649	-2.07	15-	11	R24
200.8002	-3.56	19-	18	R15	201.0256	-3.20	18-	16	R 6	201.2289	-2.02	15-	11	Q14	201.4673	-2.58	18-	16	Q16
200.8009	-2.54	8-	1	Q13	201.0260	-3.01	15-	11	P 4	201.2308	-2.16	15-	11	R19	201.4673	-1.44	11-	5	Q15
200.8025	-2.57	8-	1	R23	201.0281	-1.25	10-	4	P39	201.2333	-2.46	11-	5	Q 1	201.4729	-1.92	12-	7	P48
200.8042	-1.87	13-	8	Q10	201.0289	-3.62	18-	16	Q 1	201.2368	-1.95	12-	7	P46	201.4788	-1.47	13-	8	P26
200.8055	-3.83	19-	18	P10	201.0293	-2.31	15-	11	Q 7	201.2389	-2.24	11-	5	Q 2	201.4841	-2.31	15-	11	P16
200.8072	-4.03	20-	20	R11	201.0319	-2.34	8-	1	Q21	201.2393	-2.74	18-	16	Q11	201.4882	-1.54	11-	5	R23
200.8073	-3.12	8-	1	P 8	201.0343	-2.11	13-	8	P13	-201.2404	-0.85	10-	4	Q47	201.4936	-1.94	11-	5	P11
200.8165	-4.37	20-	20	P 7	201.0352	-3.40	18-	16	Q 2	201.2417	-1.76	11-	5	R13	201.4953	-3.91	20-	20	P18
-200.8183	-1.62	12-	7	Q47	201.0386	-3.15	15-	16	R 7	201.2427	-2.09	11-	5	Q 3	-201.4976	-1.20	10-	4	P44
200.8226	-2.41	13-	8	P 7	201.0397	-2.82	8-	1	P15	201.2468	-2.48	15-	11	P11	201.4990	-1.42	11-	5	Q16
200.8241	-2.51	8-	1	Q14	201.0410	-2.31	15-	11	R13	201.2472	-3.82	20-	20	R19	201.4994	-1.87	15-	11	Q20
200.8252	-3.87	20-	20	Q 9	201.0455	-3.25	18-	16	Q 3	201.2507	-1.98	11-	5	Q 4	201.5016	-3.53	20-	20	P20
200.8292	-1.83	13-	8	Q11	201.0497	-2.88	15-	11	P 5	201.2524	-2.69	8-	1	P20	201.5033	-2.99	18-	16	P14
200.8299	-1.91	13-	8	R17	201.0500	-2.25	15-	11	Q 8	201.2551	-1.54	13-	8	Q22	201.5041	-2.76	18-	16	R20
200.8309	-2.55	8-	1	R24	201.0502	-3.89	20-	20	R16	201.2571	-1.73	11-	5	R14	201.5058	-1.87	13-	8	P22
-200.8364	-1.12	10-	4	R49	201.0549	-4.10	18-	16	P 2	201.2590	-2.87	18-	16	R15	201.5068	-2.59	8-	1	P25
200.8365	-3.07	8-	1	P 9	201.0549	-3.10	18-	16	R 8	201.2598	-3.20	18-	16	P 9	-201.5081	-1.66	13-	8	R32
200.8430	-3.35	19-	18	Q13	201.0579	-0.87	10-	4	Q45	201.2603	-4.00	20-	20	P15	201.5124	-3.11	19-	18	Q23
200.8474	-4.00	20-	20	R12	201.0581	-3.15	15-	16	Q 4	201.2606	-1.89	11-	5	Q 5	201.5159	-2.05	15-	11	R25
200.8484	-1.89	13-	8	R18	201.0629	-4.10	20-	20	P12	201.2613	-2.94	11-	5	P 2	201.5228	-2.56	18-	16	Q17
200.8490	-3.53	19-	18	R16	201.0670	-3.24	19-	18	Q17	201.2662	-3.60	20-	20	Q17	201.5240	-1.52	11-	5	R24
200.8490	-2.48	8-	1	Q15	201.0673	-1.62	13-	8	Q18	201.2689	-1.99	15-	11	Q15	201.5294	-1.89	11-	5	P12
200.8523	-2.35	13-	8	P 8	201.0676	-2.28	15-	11	R14	-201.2699	-1.71	13-	8	R28	-201.5316	-0.83	10-	4	Q50
200.8544	-3.79	19-	18	P11	201.0692	-2.32	8-	1	Q22	201.2720	-2.14	15-	11	R20	201.5326	-1.39	11-	5	Q17
-200.8546	-1.28	10-	4	P37	201.0696	-3.68	20-	20	Q14	201.2723	-1.82	11-	5	Q 6	201.5409	-3.34	19-	18	R26
200.8564	-1.79	13-	8	Q12	201.0731	-2.20	15-	11	Q 9	201.2731	-3.17	19-	18	Q20	201.5433	-3.48	19-	18	P21
200.8577	-4.30	20-	20	P 8	201.0740	-3.06	18-	16	R 9	201.2739	-2.23	8-	1	Q27	201.5437	-2.28	15-	11	P17
200.8658	-3.82	20-	20	Q10	201.0742	-3.06	18-	16	Q 5	201.2748	-1.71	11-	5	R15	-201.5450	-1.45	13-	8	Q27
200.8663	-3.01	8-	1	P10	201.0742	-3.80	18-	16	P 3	201.2753	-1.96	13-	8	P18	201.5541	-1.85	15-	11	Q21
200.8670	-2.54	8-	1	R25	201.0755	-1.78	13-	8	R24	201.2785	-2.70	18-	16	O12	201.5619	-1.50	11-	5	R25
200.8756	-2.45	8-	1	Q16	201.0780	-2.78	15-	11	P 6	201.2790	-2.64	11-	5	P 3	201.5619	-2.95	18-	16	P15
200.8825	-1.87	13-	8	R19	201.0776	-2.08	13-	8	P14	201.2852	-2.44	15-	11	P12	201.5638	-2.74	18-	16	R21
-200.8846	-2.29	13-	8	P 9	201.0791	-2.79	8-	1	P16	201.2860	-1.76	11-	5	Q 7	201.5640	-2.57	8-	1	P26
200.8846	-0.89	10-	4	Q43	201.0800	-3.44	19-	18	R20	201.2923	-3.39	19-	18	R23	201.5671	-1.80	11-	5	P13
200.8861	-1.76	13-	8	Q13	201.0858	-3.64	19-	18	P15	201.2943	-1.68	11-	5	R16	201.5683	-1.37	11-	5	Q18
200.8865	-2.52	8-	1	R26	201.0938	-2.99	18-	16	O 6	201.2982	-3.56	19-	18	P18	201.5703	-1.85	13-	8	P23
200.8919	-3.97	20-	20	R13	201.0962	-3.02	18-	16	R10	201.2988	-2.46	11-	5	P 4	-201.5766	-1.65	13-	8	R33
200.8934	-3.32	19-	18	Q14	201.0975	-3.62	18-	16	P 4	201.2997	-2.67	8-	1	P21	201.5774	-2.04	15-	11	R26
200.8982	-2.97	8-	1	P11	201.0990	-2.16	15-	11	Q10	201.3014	-2.84	18-	16	P12	201.5816	-2.53	18-	16	Q18
200.9010	-3.51	19-	18	R17	201.1003	-2.25	15-	11	R15	201.3017	-1.71	11-	5	Q 8	201.5827	-3.89	20-	20	P19
200.9028	-4.24	20-	20	P 9	201.1030	-1.10	10-	4	R52	-201.3021	-1.22	10-	4	P42	201.5889	-2.25	15-	11	P18
-200.9035	-1.98	12-	7	P43	201.1051	-2.71	15-	11	P 7	201.3021	-3.15	18-	16	P10	-201.5925	-1.43	13-	8	Q28
200.9037	-2.42	8-	1	Q17	201.1086	-2.30	8-	1	Q23	201.3090	-1.52	13-	8	Q23	-201.5990	-1.19	10-	4	P45
200.9067	-3.74	19-	18	P12	201.1109	-1.60	13-	8	Q19	201.3150	-1.97	15-	11	Q16	201.6009	-3.10	19-	18	Q24
200.9105	-3.78	20-	20	Q11	201.1118	-3.87	20-	20	R17	201.3160	-1.66	11-	5	R17	201.6019	-1.49	11-	5	R26
200.9173	-1.85	13-	8	R20	201.1166	-2.92	18-	16	O 7	201.3163	-2.12	15-	11	R21	201.6061	-1.35	11-	5	Q29
200.9179	-1.73	13-	8	Q14	201.1181	-1.24	10-	4	P40	201.3196	-1.66	11-	5	Q 9	201.6068	-1.82	11-	5	P14
200.9183	-2.24	13-	8	P10	201.1185	-2.23	15-	11	R16	201.3208	-2.67	18-	16	Q13	201.6119	-1.83	15-	11	Q22
200.9191	-2.51	8-	1	R27	201.1201	-2.76	8-	1	P17	201.3208	-2.33	11-	5	P 5	201.6237	-2.92	18-	16	P16
-200.9249	-1.12	10-	4	R50	201.1204	-1.96	12-	7	P45	201.3209	-2.21	8-	1	Q28	201.6264	-2.72	18-	16	R22
200.9284	-2.71	15-	11	R 4	201.1224	-2.99	18-	16	R11	-201.3321	-1.70	13-	8	R29	201.6290	-2.55	8-	1	P27
200.9290	-2.78	15-	11	R 3	201.1231	-3.50	18-	16	P 5	201.3326	-2.40	15-	11	P13	201.6328	-3.46	19-	18	P22
200.9307	-2.64	15-	11	R 5	201.1232	-2.04	13-	8	P15	201.3345	-3.97	20-	20	P16	-201.6368	-0.82	10-	4	Q51
200.9311	-2.93	8-	1	P12	201.1233	-1.76	13-	8	R25	201.3361	-1.93	13-	8	P19	201.6381	-1.83	13-	8	P24
200.9321	-2.88	15-	11	R 2	201.1240	-2.12	15-	11	Q13	-201.3367	-0.84	10-	4	Q48	201.6421	-1.63	13-	8	R34
200.9333	-2.40	8-	1	Q18	201.1246	-0.07	20-	20	P13	201.3392	-1.61	11-	5	R10	201.6433	-2.51	18-	16	P18
200.9474	-3.29	19-	18	Q15	201.1517	-2.95	18-	16	R12	201.3496	-3.15	19-	18	Q21	201.6671	-2.54	8-	1	P28
200.9522	-4.19	20-	20	P10	201.1522	-3.40	18-	16	P 6	201.3510	-1.50	13-	8	Q24	201.6874	-1.30	11-	5	Q21
200.9524	-2.48	15-	11	R 8	201.1528	-3.61	19-	18	P16	-201.3547	-1.94	15-	11	Q17	201.6878	-1.46	11-	5	R28
200.9529	-1.70	13-	8	Q15	201.1548	-2.20	15-	11	R17	201.3581	-2.20	8-	1	Q29	201.6890	-2			

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
202.3630	-2.26	17-14	R18	-202.9037	-1.40	11-	5	P35	203.4210	-1.79	14-	9	R21	203.7133	-2.67	16-12	P 5	204.1448	-2.55	19-17	R 7			
202.3630	-2.10	17-14	Q14	202.9110	-2.10	17-14	R27	-203.4233	-2.35	12-	6	R 6	203.7146	-1.76	12- 6	Q15	204.1468	-2.66	19-17	Q 3				
-202.4169	-1.10	11-	5	Q34	-202.9202	-1.61	13-	B P39	203.4270	-1.70	13-	9	R30	203.7159	-2.04	16-12	Q 8	-204.1474	-1.54	12- 6	Q25			
202.4261	-2.52	17-14	P12	202.9225	-2.45	9-	2	P12	203.4351	-2.10	12-	6	R12	203.7180	-1.87	12- 6	R22	204.1478	-1.97	12- 6	P20			
202.4276	-1.67	13-	8	P34	202.9282	-1.92	9-	2	Q18	203.4363	-2.30	12-	6	R 7	203.7260	-1.50	14- 9	Q22	204.1568	-3.51	19-17	P 2		
-202.4276	-1.67	13-	8	P34	202.9282	-1.92	9-	2	Q18	203.4371	-2.41	12-	6	R 5	203.7364	-1.92	14- 9	P18	204.1612	-2.55	19-17	Q 4		
202.4306	-2.24	17-14	R19	-202.9323	-1.25	11-	5	R47	203.4389	-2.47	12-	6	R 4	203.7392	-1.73	12- 6	Q16	204.1623	-2.51	19-17	R 8			
202.4455	-1.49	11-	5	P29	-202.9559	-1.02	11-	5	Q41	203.4413	-2.55	12-	6	R 3	203.7400	-2.07	16-12	R14	204.1631	-2.10	16-12	P16		
-202.4521	-1.30	11-	5	R41	-202.9573	-2.41	9-	2	P13	203.4427	-2.25	12-	6	R 8	203.7402	-2.00	16-12	Q 9	204.1637	-1.86	16-12	R24		
202.4752	-2.05	17-14	Q16	202.9609	-1.90	9-	2	Q19	203.4457	-2.11	14-	9	P12	203.7407	-2.58	16-12	P 6	204.1637	-1.38	14- 9	Q29			
202.4760	-2.49	17-14	P13	202.9619	-2.01	9-	2	R28	203.4460	-1.63	14-	9	O16	203.7492	-2.25	12- 6	P11	-204.1765	-1.72	12- 6	R32			
202.4798	-2.22	17-14	R20	202.9660	-1.87	17-14	Q24	-203.4471	-2.65	12-	6	R 2	203.7519	-1.30	11-	5	P44	204.1776	-3.21	19-17	P 3			
-202.4810	-1.12	10-	4	P53	202.9767	-2.26	17-14	P21	-203.4510	-1.33	11-	5	P41	203.7531	-2.04	9	P29	204.1783	-2.47	19-17	Q 5			
-202.4898	-1.08	11-	5	Q35	202.9853	-2.09	17-14	R28	203.4511	-2.21	12-	6	R 9	203.7561	-1.85	12- 6	R23	204.1818	-2.47	19-17	R 9			
202.5169	-1.47	11-	5	P30	202.9943	-2.37	9-	2	P14	203.4551	-2.77	12-	6	R 1	203.7612	-1.68	14-	9	R28	-204.1865	-1.26	11- 5	P48	
-202.5238	-1.66	13-	8	P35	-202.9945	-1.39	11-	5	P36	203.4593	-2.12	9-	2	P24	203.7674	-1.95	16-12	Q10	204.1866	-1.77	14- 9	P25		
-202.5257	-1.29	11-	5	R62	202.9953	-1.87	9-	2	O20	203.4620	-2.17	12-	6	R10	203.7699	-2.04	16-12	R15	204.1900	-1.86	16-12	Q20		
202.5258	-2.02	17-14	Q17	203.0012	-2.00	9-	2	R29	203.4620	-1.78	14- 9	Q30	203.7704	-2.50	16-12	P 7	204.1994	-2.39	19-17	Q 6				
202.5278	-2.45	17-14	P14	-203.0200	-1.24	11-	5	R48	203.4624	-1.77	14-	9	R22	203.7737	-2.10	17-14	P30	204.1998	-3.03	19-17	P 4			
202.5336	-2.20	17-14	R21	203.0314	-1.85	9-	2	Q21	203.4650	-2.95	12-	6	R 0	203.7813	-1.48	14-	9	Q23	-204.2021	-1.53	12- 6	Q26		
-202.5589	-1.07	11-	5	O36	203.0328	-2.34	9-	2	P15	203.4702	-2.07	12-	6	R13	203.7832	-1.71	12- 6	Q17	204.2044	-1.95	12- 6	P21		
202.5591	-2.00	17-14	Q18	203.0345	-1.98	9-	2	R30	203.4764	-2.14	12-	6	R11	203.7884	-2.21	12- 6	P12	204.2078	-2.43	19-17	R10			
202.5813	-2.53	9-	2	R 7	203.0415	-1.86	17-14	Q25	203.4791	-2.77	12-	6	Q 1	203.7926	-1.84	12-	R 4	204.2204	-2.07	16-12	P17			
202.5820	-2.49	9-	2	R 8	-203.0422	-1.01	11-	5	P42	203.4810	-2.15	17-14	P27	203.7934	-1.90	14-	P19	204.2229	-2.33	19-17	Q 7			
202.5823	-2.58	9-	2	R 6	203.0527	-2.24	17-14	P22	203.4835	-2.55	12-	6	2	203.7973	-1.91	16-12	Q11	204.2235	-1.84	16-12	R25			
202.5827	-2.42	17-14	P15	203.0617	-2.07	17-14	R29	203.4838	-1.69	9-	2	P31	203.8029	-2.02	16-12	R16	204.2275	-2.90	19-17	P 5				
202.5843	-2.64	9-	2	R 5	203.0695	-1.83	9-	2	Q22	203.4865	-1.61	14-	9	O17	203.8031	-2.43	16-12	P 8	-204.2341	-1.71	12- 6	R33		
202.5846	-2.45	9-	2	R 9	203.0731	-2.31	9-	2	P16	203.4881	-2.07	14-	9	P13	203.8080	-1.17	11-	M 56	204.2360	-2.39	19-17	R11		
202.5871	-2.18	17-14	R22	203.0765	-1.97	9-	2	R31	203.4896	-2.41	12-	6	3	203.8114	-0.93	11-	5	P50	-204.2372	-1.37	14-	9	Q30	
202.5888	-2.71	9-	2	R 4	-203.0774	-1.38	11-	5	P37	203.4951	-1.20	11-	5	R53	203.8182	-2.14	12- 6	P14	204.2489	-1.64	16-12	Q21		
202.5889	-2.41	9-	2	R10	203.0888	-2.37	14-	9	R 4	203.4978	-2.05	12-	6	R14	203.8187	-2.02	9-	2	P30	204.2509	-2.28	19-17	Q 8	
202.5936	-1.46	11-	5	P31	203.0891	-2.31	14-	9	R 5	203.4980	-2.30	12-	6	O 4	203.8208	-1.66	14-	9	R29	-204.2561	-0.90	11- 5	Q54	
202.5940	-2.79	9-	2	R 3	203.0907	-2.45	14-	9	R 3	203.5061	-1.75	14-	9	R23	203.8231	-1.68	12-	6	Q18	204.2579	-2.81	19-17	P 6	
202.5947	-2.37	9-	2	R11	203.0920	-2.25	14-	9	R 6	203.5075	-3.25	12-	6	P 2	203.8299	-1.88	16-12	Q12	204.2594	-1.51	12- 6	Q27		
202.5968	-1.11	10-	4	P54	203.0952	-2.55	14-	9	R 2	203.5084	-0.96	11-	5	Q47	203.8313	-2.17	12-	6	P13	204.2608	-1.75	14- 9	P26	
202.6024	-2.88	9-	2	R 2	-203.0972	-2.20	14-	9	R 7	203.5098	-2.21	12-	6	Q 5	-203.8327	-1.82	12- 6	R25	-204.2617	-1.14	11- 5	R60		
202.6026	-2.34	9-	2	R12	203.1018	-2.68	14-	9	R 1	203.5173	-2.11	9-	2	P25	203.8380	-2.80	0.00	16-12	R17	204.2629	-1.93	12- 6	P22	
-202.6036	-1.28	11-	5	R43	203.1047	-2.15	14-	9	R 8	203.5203	-2.02	12-	6	R 5	203.8387	-2.37	16-12	P 9	204.2676	-2.36	19-17	R12		
202.6117	-3.01	9-	2	R 1	203.1095	-1.81	9-	2	Q23	203.5222	-2.14	12-	6	O 6	203.8389	-1.46	9-	2	P30	204.2808	-2.04	16-12	P18	
202.6121	-2.31	9-	2	R13	203.1107	-2.85	14-	9	R 0	203.5226	-2.07	12-	6	7	203.8527	-1.87	14-	9	P20	204.2817	-2.23	19-17	Q 9	
-202.6170	-1.65	13-	8	P36	-203.1109	-1.23	11-	5	R49	203.5260	-2.95	12-	6	P 3	203.8583	-1.29	11-	5	P45	204.2824	-1.83	16-12	R26	
202.6229	-3.19	9-	2	R 0	203.1144	-2.11	14-	9	R 9	203.5296	-1.58	14-	9	Q18	203.8634	-1.66	12-	6	Q19	204.2923	-2.73	19-17	P 7	
202.6234	-2.28	9-	2	R14	-203.1149	-2.28	9-	2	P17	203.5329	-2.04	14-	9	P14	203.8654	-1.84	16-12	Q13	-204.2944	-1.69	12- 6	R34		
-202.6307	-1.06	11-	5	P37	203.1201	-1.84	17-14	Q26	203.5403	-1.67	9-	2	Q32	-203.8754	-1.80	12- 6	R26	-204.3013	-1.25	11- 5	P49			
202.6357	-1.97	17-14	Q19	203.1246	-2.68	14-	9	O 1	203.5435	-2.00	12-	6	R 6	203.8766	-2.32	16-12	P10	204.3031	-2.33	19-17	R13			
202.6362	-2.26	9-	2	R15	203.1269	-2.07	14-	9	R 10	203.5464	-2.77	12-	6	P 4	203.8769	-1.97	16-12	R18	204.3096	-1.62	16-12	Q22		
202.6374	-3.01	9-	2	O 1	203.1295	-2.45	14-	9	O 2	-203.5496	-1.32	11-	5	P42	203.8772	-2.09	12-	6	P16	204.3291	-2.66	19-17	P 8	
202.6406	-2.39	17-14	P16	-203.1307	-1.00	11-	5	Q43	203.5498	-2.02	12-	6	Q 8	203.8818	-2.10	12-	6	P15	204.3145	-1.35	14- 9	Q31		
202.6407	-3.49	2-17	14	R23	203.1416	-2.04	14-	9	R11	203.5560	-2.65	12-	6	P 5	203.8891	-1.45	14-	9	Q25	204.3288	-3.27	21-21	R 1	
202.6466	-1.44	11-	5	P32	-203.1587	-2.26	9-	2	P18	203.5596	-2.58	16-12	R 3	-203.9184	-0.92	11-	5	P51	204.3405	-2.30	19-17	R14		
202.6713	-2.37	9-	2	O 6	-203.1681	-1.37	11-	5	P38	203.5907	-2.50	16-12	R 4	-203.9194	-1.17	11-	5	R57	204.3433	-2.02	16-12	P19		
202.6812	-2.17	11-	5	R44	203.1710	-2.85	14-	9	P 3	203.5932	-2.43	16-12	R 5	-203.9199	-1.79	12- 6</								

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
-204.5063	-1.45	12 - 6	Q31	204.8532	-1.89	19 - 17	Q20	205.2006	-2.15	18 - 15	R15	-205.7616	-1.28	12 - 6	D46	206.0748	-2.03	15 - 10	R23
204.5093	-1.57	16 - 12	Q25	204.8559	-2.32	10 - 3	P8	205.2166	-2.72	12 - 6	P35	205.7626	-3.22	13 - 7	R5	206.0800	-2.73	22 - 23	O 5
204.5131	-2.47	19 - 17	P12	-204.8587	-1.61	12 - 6	R42	205.2198	-2.18	19 - 17	P22	205.7633	-3.16	13 - 7	R6	-206.0803	-1.26	12 - 6	Q49
-204.5177	-1.85	12 - 6	P26	204.8599	-2.66	21 - 21	P13	205.2252	-2.47	18 - 15	P9	205.7640	-3.29	13 - 7	R4	206.0805	-3.06	13 - 7	P11
204.5262	-2.97	21 - 21	P7	204.8606	-0.86	11 - 5	Q59	205.2260	-1.81	16 - 12	P30	205.7663	-3.11	13 - 7	R7	206.0878	-2.32	15 - 10	P14
204.5320	-2.21	19 - 17	R18	204.8614	-1.88	16 - 12	P26	205.2269	-1.94	10 - 3	P18	205.7673	-3.37	13 - 7	R3	206.0890	-3.29	22 - 23	P 4
204.5343	-2.63	21 - 21	R11	-204.8684	-1.39	12 - 6	Q36	205.2280	-1.48	10 - 3	Q24	205.7710	-1.52	12 - 6	R52	-206.0946	-1.49	12 - 6	R55
-204.5372	-1.24	11 - 5	P51	204.8761	-2.46	21 - 21	R17	205.2347	-1.98	18 - 15	Q12	205.7712	-3.06	13 - 7	R8	206.0985	-2.55	13 - 7	Q16
204.5397	-2.02	19 - 17	Q15	204.8766	-1.77	10 - 3	R23	205.2400	-2.12	18 - 15	R16	205.7721	-2.20	15 - 10	R15	206.0996	-2.04	18 - 15	P23
204.5418	-2.46	21 - 21	Q9	204.8766	-1.70	10 - 3	Q14	205.2561	-1.80	19 - 17	Q25	205.7729	-3.46	13 - 7	R2	-206.1004	-1.62	12 - 6	P44
204.5500	-1.95	16 - 12	P22	204.8798	-2.25	21 - 21	O15	-205.2579	-0.84	11 - 5	Q62	205.7749	-2.15	15 - 10	Q9	206.1039	-2.82	22 - 23	R 7
-204.5568	-1.65	12 - 6	R38	-204.8840	-1.77	12 - 6	P31	205.2642	-2.51	21 - 21	P18	205.7787	-3.02	13 - 7	R9	206.1127	-2.67	13 - 7	R23
204.5680	-2.43	19 - 17	P13	204.8846	-2.26	10 - 3	P9	205.2674	-2.42	18 - 15	P10	205.7809	-3.59	13 - 7	R1	206.1187	-3.02	13 - 7	P12
204.5705	-2.90	21 - 21	P8	204.8893	-2.28	19 - 17	P18	205.2734	-1.46	10 - 3	Q25	205.7815	-1.74	10 - 3	P28	206.1221	-2.66	22 - 23	Q 6
204.5753	-1.44	12 - 6	Q32	204.9033	-1.68	10 - 3	G15	205.2737	-1.91	10 - 3	P19	205.7824	-1.65	12 - 6	P41	206.1247	-2.02	15 - 10	R24
204.5796	-2.60	21 - 21	R12	-204.9063	-1.21	11 - 5	P54	205.2763	-1.95	18 - 15	Q13	205.7845	-2.73	15 - 10	P 6	206.1291	-3.17	22 - 23	P 5
204.5816	-1.69	14 - 9	P30	204.9073	-1.75	10 - 3	R24	205.2834	-2.10	18 - 15	R17	205.7849	-2.12	18 - 15	P19	206.1299	-1.84	15 - 10	Q19
204.5838	-1.55	16 - 12	Q26	204.9157	-2.21	10 - 3	P10	-205.2853	-1.56	12 - 6	R47	205.7870	-1.72	18 - 15	Q22	206.1355	-2.52	13 - 7	Q17
-204.5863	-1.84	12 - 6	P27	204.9231	-2.09	19 - 17	R24	-205.2861	-1.33	12 - 6	Q41	205.7882	-2.99	13 - 7	R10	206.1376	-2.28	15 - 10	P15
204.5870	-2.42	21 - 21	Q10	204.9265	-1.87	19 - 17	Q21	205.2893	-2.13	21 - 21	Q20	205.7906	-3.76	13 - 7	R0	206.1413	-2.77	22 - 23	R 8
204.5873	-2.18	19 - 17	R19	204.9314	-2.63	21 - 21	P14	-205.2989	-1.19	11 - 5	P57	205.7998	-2.95	13 - 7	R11	206.1536	-2.65	13 - 7	R24
204.5956	-1.99	19 - 17	Q16	204.9322	-1.65	10 - 3	O16	-205.3056	-1.71	12 - 6	P36	205.8001	-2.11	15 - 10	Q10	-206.1544	-1.14	11 - 5	P63
-204.6119	-0.88	11 - 5	Q57	-204.9394	-1.60	12 - 6	R43	205.3101	-2.16	19 - 17	P23	205.8041	-2.18	15 - 10	R16	206.1584	-3.07	22 - 23	P 6
204.6190	-2.84	21 - 21	P9	204.9395	-1.74	10 - 3	R25	205.3128	-2.38	18 - 15	P11	205.8050	-3.59	13 - 7	Q1	206.1591	-2.99	13 - 7	P13
204.6244	-1.93	16 - 12	P23	-204.9472	-1.38	12 - 6	D37	205.3202	-1.64	10 - 3	G26	205.8096	-3.37	13 - 7	P2	206.1626	-2.59	22 - 23	Q 7
204.6263	-2.39	19 - 17	P14	-204.9474	-1.63	14 - 9	P34	205.3204	-1.92	18 - 15	Q14	205.8135	-2.65	15 - 10	P 7	206.1746	-2.50	13 - 7	Q18
-204.6273	-1.64	12 - 6	R39	204.9487	-2.17	10 - 3	P11	205.3229	-1.09	10 - 3	P20	205.8138	-2.92	13 - 7	R12	206.1770	-2.00	15 - 10	R25
204.6295	-2.57	21 - 21	R13	204.9488	-1.86	16 - 12	P27	205.3299	-2.04	18 - 15	R18	205.8160	-3.22	13 - 7	O3	206.1838	-1.82	15 - 10	Q20
204.6357	-2.21	10 - 3	R7	204.9496	-2.44	21 - 21	R18	205.3484	-1.78	19 - 17	O26	205.8247	-3.11	13 - 7	O4	206.1858	-2.73	22 - 23	R 9
204.6361	-2.26	10 - 3	R6	204.9519	-2.22	21 - 21	G16	205.3593	-2.49	21 - 21	P19	205.8277	-2.07	15 - 10	Q11	206.1864	-2.02	18 - 15	P24
204.6366	-2.38	21 - 21	Q11	204.9627	-1.62	10 - 3	O17	205.3627	-2.34	18 - 15	P12	205.8290	-2.89	13 - 7	R13	-206.1869	-1.25	12 - 6	Q50
204.6373	-2.17	10 - 3	R8	-204.9637	-1.76	12 - 6	P32	205.3666	-1.89	18 - 15	O15	205.8338	-4.06	13 - 7	P2	206.1922	-2.25	15 - 10	P16
204.6381	-2.32	10 - 3	R5	204.9691	-1.68	18 - 15	R3	205.3700	-1.43	10 - 3	Q27	205.8359	-3.02	13 - 7	D5	206.2012	-2.63	13 - 7	R25
204.6410	-2.13	10 - 3	R9	204.9705	-2.25	19 - 17	P19	205.3736	-1.87	10 - 3	P21	205.8364	-2.15	15 - 10	R17	206.2019	-2.95	13 - 7	P14
204.6421	-2.39	10 - 3	R4	204.9706	-2.78	18 - 15	R2	205.3763	-1.32	12 - 6	O42	205.8449	-2.59	15 - 10	P 8	206.2085	-2.54	22 - 23	O 8
-204.6449	-1.42	12 - 6	Q33	204.9726	-2.60	18 - 15	R4	-205.3794	-1.55	12 - 6	R48	205.8470	-1.72	10 - 3	P29	-206.2100	-1.61	12 - 6	P45
204.6455	-2.09	10 - 3	R10	204.9738	-2.90	18 - 15	R1	205.3796	-2.06	18 - 15	R19	205.8481	-2.86	13 - 7	R14	206.2137	-2.99	22 - 23	P 7
204.6472	-2.16	19 - 17	R20	204.9746	-1.72	10 - 3	R26	205.3965	-1.69	12 - 6	P37	205.8487	-2.95	13 - 7	Q6	206.2163	-2.47	13 - 7	Q19
204.6480	-2.47	10 - 3	R3	204.9805	-2.53	18 - 15	R5	205.4038	-2.14	19 - 17	P24	205.8527	-3.76	13 - 7	P3	206.2325	-1.98	15 - 10	R26
204.6480	-1.53	16 - 12	Q27	204.9805	-3.08	18 - 15	R0	205.4087	-2.30	18 - 15	P13	205.8578	-2.03	15 - 10	D12	206.2358	-2.69	22 - 23	R10
204.6523	-2.05	10 - 3	R11	204.9825	-2.13	10 - 3	P12	205.4172	-1.86	18 - 15	Q16	-205.8584	-1.16	11 - 5	P61	206.2363	-2.23	15 - 10	P17
204.6544	-1.96	19 - 17	Q17	204.9826	-2.47	18 - 15	R6	205.4262	-1.84	10 - 3	P22	205.8586	-2.10	18 - 15	P20	206.2380	-1.80	15 - 10	Q21
204.6551	-2.56	10 - 3	R2	-204.9907	-0.85	11 - 5	M60	205.4270	-1.41	10 - 3	Q28	205.8601	-1.71	18 - 15	Q23	206.2412	-2.62	13 - 7	R26
-204.6567	-1.23	11 - 5	P52	204.9944	-2.90	18 - 15	R1	205.4328	-2.04	18 - 15	R20	205.8630	-2.89	13 - 7	Q13	206.2466	-2.92	13 - 7	P15
-204.6575	-1.82	12 - 6	P28	204.9949	-1.60	10 - 3	W18	-205.4358	-1.18	11 - 5	P58	-205.8639	-1.27	12 - 6	H47	206.2509	-2.49	22 - 23	Q 9
204.6610	-2.02	10 - 3	R12	204.9952	-2.42	18 - 15	R7	205.4592	-2.66	21 - 21	P20	205.8686	-2.83	13 - 7	R15	206.2601	-2.45	13 - 7	Q20
204.6647	-2.69	10 - 3	R1	205.0009	-2.68	18 - 15	Q2	205.4647	-2.26	20 - 21	P14	205.8712	-2.13	15 - 10	R18	206.2672	-2.93	22 - 23	P 8
-204.6692	-1.68	14 - 9	P31	205.0019	-2.08	19 - 17	R25	-205.4694	-1.31	12 - 6	Q43	205.8735	-3.59	13 - 7	P4	206.2764	-2.00	18 - 15	P25
204.6716	-1.99	19 - 17	Q17	205.0034	-1.85	19 - 17	Q22	205.4701	-1.83	18 - 15	Q17	205.8798	-2.53	15 - 10	P 9	206.2902	-2.60	13 - 7	R27
204.6720	-2.05	10 - 3	Q6	205.0510	-2.23	19 - 17	P20	205.6034	-2.11	19 - 17	R26	205.9005	-2.79	13 - 7	Q9	206.3060	-2.43	13 - 7	Q21
204.6720	-2.74	21 - 21	P12	205.0515	-2.30	18 - 15	R10	205.6109	-1.98	18 - 15	R23	205.9594	-2.43	15 - 10	P11	206.3166	-2.45	22 - 23	Q10
204.6730	-1.94	10 - 3	R17	205.0528	-2.42	18 - 15	R4	205.6130	-2.59	15 - 10	R5	205.9594	-1.70	18 - 15	Q24	206.3326	-1.60	12 - 6	P46
-204.6730	-1.80	12 - 6	P29	205.0567	-2.05	10 - 3	P14	205.6229	-2.65	15 - 10	R4	205.9636	-1.94	15 - 10	Q15	206.3378	-2.49	17 - 13	R1
204.6731	-1.89	10 - 3	R17	205.0588	-2.26	18 - 15	R6	205.6308	-2.59	15 - 10	R5								

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ			
206.4884	-2.13	15.-10	P21	206.8230	-4.77	8-	0	Q2	207.0885	-1.97	4	P11	207.4604	-2.51	20-18	R9	-207.8591	-1.35	11- 4	R40		
206.4905	-2.22	17.-13	Q8	206.8259	-2.27	11-	4	Q2	207.0925	-4.43	8-	0	P12	-207.4612	-1.93	15-10	P33	207.8612	-2.14	21-20	Q14	
206.4941	-2.27	17.-13	R13	206.8261	-4.15	8-	0	R19	207.1008	-3.88	8-	0	Q19	207.4622	-2.65	21-20	Q4	207.8694	-2.02	17-13	P28	
206.4976	-2.57	22.-23	R14	206.8265	-1.77	11-	4	R14	207.1012	-1.54	11-	4	R25	207.4642	-2.65	21-20	R7	207.8838	-4.03	8-	0	P29
206.5043	-2.79	13.- 7	P20	206.8268	-1.90	17-13	Q17	207.1038	-2.00	17-13	R26	207.4706	-2.44	20-18	Q6	207.8872	-1.55	11- 4	P27			
-206.5044	-2.55	13.- 7	R31	206.8277	-4.63	8-	0	Q3	-207.1076	-1.98	15-10	P29	-207.4713	-1.43	11- 4	R33	-207.8879	-1.14	11- 4	Q33		
206.5130	-2.36	13.- 7	Q25	206.8317	-2.12	11-	4	Q3	-207.1100	-2.23	13-	7	Q34	207.4727	-3.08	20-18	P4	207.8958	-2.04	20-18	Q16	
206.5135	-2.75	17.-13	P6	206.8341	-1.65	15-10	Q30	207.1107	-1.43	11-	4	O17	207.4736	-3.30	21-20	P3	-207.8979	-2.13	13- 7	Q43		
206.5164	-2.17	17.-13	Q9	206.8343	-4.52	8-	0	O4	207.1113	-2.62	13-	7	P29	207.4773	-1.69	11-	4	P20	207.8991	-2.32	21-20	R17
206.5238	-2.24	17.-13	R14	206.8396	-2.02	11-	4	R4	207.1144	-1.80	17-13	Q22	207.4791	-1.71	17-13	Q27	207.8996	-2.23	20-18	R19		
206.5241	-2.34	22.-23	Q13	206.8418	-1.74	11-	4	R15	-207.1173	-2.43	13-	7	R40	207.4836	-2.56	21-20	Q5	-207.9017	-2.50	13- 7	P38	
-206.5273	-1.22	12.- 6	Q53	206.8424	-4.43	8-	0	Q5	207.1242	-1.93	11-	4	P12	207.4861	-1.25	11- 4	Q26	207.9190	-2.44	20-18	P14	
206.5369	-2.73	22.-23	Pj2	206.8427	-2.33	17-13	P14	207.1245	-2.54	22-23	P18	207.4873	-2.47	20-18	R10	207.9221	-2.52	21-20	P13			
206.5429	-1.71	15.-10	Q26	206.8436	-2.03	15-10	P26	207.1297	-0.39	8-	0	P13	207.4885	-2.60	21-20	R8	207.9246	-2.11	21-20	Q15		
-206.5433	-1.91	15.-10	R31	206.8444	-4.13	8-	0	R20	207.1328	-3.86	8-	0	Q20	207.4897	-3.70	8-	0	Q29	-207.9277	-1.34	11- 4	R41
206.5445	-2.67	17.-13	7	206.8494	-1.93	11-	4	O5	207.1379	-1.52	11-	4	R26	207.4941	-2.95	20-18	P5	207.9488	-4.01	8-	0	P30
206.5451	-2.13	17.-13	O10	206.8503	-5.47	8-	0	P2	207.1428	-2.19	17-13	P19	207.4966	-2.38	20-18	Q7	207.9536	-1.54	11- 4	P28		
-206.5526	-1.58	12- 6	P48	206.8512	-2.97	11-	4	P2	207.1446	-1.40	11-	4	O18	207.4995	-3.12	21-20	P4	-207.9537	-1.13	11- 4	Q34	
206.5550	-2.11	15.-10	P22	206.8518	-4.36	8-	0	Q6	207.1608	-1.89	11-	4	P13	207.5006	-4.15	8-	0	P22	207.9592	-2.01	20-18	Q17
206.5560	-2.22	17.-13	R15	206.8519	-1.71	11-	4	R16	207.1656	-3.84	8-	0	Q21	-207.5007	-1.41	11- 4	R34	207.9646	-2.21	20-18	R20	
-206.5600	-2.53	13.- 7	R32	206.8608	-1.86	11-	4	O6	207.1675	-0.36	8-	0	P14	207.5086	-2.49	21-20	Q6	207.9662	-2.30	21-20	R18	
206.5626	-2.76	13.- 7	P21	206.8629	-2.07	17-13	R22	-207.1703	-1.59	15-10	Q34	-207.5129	-2.17	13-	7	Q39	207.9844	-2.41	20-18	P15		
206.5700	-2.34	13.- 7	Q26	206.8640	-4.30	8-	0	Q7	-207.1759	-1.53	12-	6	P53	207.5163	-2.09	17-13	P24	207.9902	-2.49	21-20	P14	
206.5767	-2.09	17-13	Q11	206.8641	-4.11	8-	0	R21	207.1761	-1.51	11-	4	R27	207.5169	-2.56	21-20	R9	207.9923	-2.08	21-20	Q16	
206.5772	-2.54	22.-23	R15	206.8686	-5.17	8-	0	P3	207.1805	-1.38	11-	4	O19	207.5177	-2.44	20-18	R11	-207.9968	-1.33	11- 4	R42	
206.5786	-2.60	17.-13	P8	206.8704	-2.67	11-	4	P3	-207.1805	-1.97	10-10	P30	-207.5262	-2.55	13-	7	P34	-207.9997	-2.12	13- 7	Q44	
206.5911	-2.19	17.-13	R16	206.8740	-1.79	11-	4	Q7	207.1822	-1.78	17-13	C23	207.5263	-2.32	20-18	Q8	-208.0041	-2.48	13-	P39		
206.6055	-2.31	22.-23	Q14	206.8776	-4.24	8-	0	Q8	-207.1882	-2.60	13-	7	P30	207.5291	-2.86	20-18	P6	-208.0215	-1.12	11- 4	Q35	
206.6110	-2.05	17.-13	Q12	206.8782	-1.69	11-	4	R17	-207.1897	-0.21	21	13-	7	Q35	207.5292	-3.00	21-20	P5	208.0216	-1.52	11- 4	P29
206.6126	-1.69	15.-10	Q27	206.8788	-1.88	17-13	Q18	-207.2001	-3.82	8-	0	Q22	207.5301	-1.67	11-	4	P21	208.0248	-2.96	19-16	R3	
206.6143	-2.09	15-10	P23	206.8853	-4.09	8-	0	R22	207.2012	-1.86	11-	4	P14	207.5376	-1.23	11-	4	Q27	208.0257	-3.05	19-16	R2
206.6153	-2.55	17.-13	Q9	206.8878	-2.23	22-23	Q17	-207.2036	-2.43	13-	7	R41	207.5379	-2.42	21-20	Q7	208.0260	-1.99	20-18	Q18		
-206.6168	-1.90	15.-10	R32	206.8879	-2.67	11-	4	P3	207.2069	-4.33	8-	0	P15	-207.5442	-2.39	13-	7	R45	208.0275	-2.88	19-16	R4
206.6193	-2.69	22-23	P13	206.8888	-5.00	8-	0	P4	207.2115	-2.17	17-13	P20	-207.5497	-2.52	21-20	R10	208.0289	-3.18	19-16	R1		
-206.6227	-2.52	13.- 7	R33	206.8895	-1.74	11-	4	O8	207.2165	-1.49	11-	4	R28	207.5508	-4.13	8-	0	P23	208.0335	-2.19	20-18	R21
206.6230	-2.74	13.- 7	P22	-206.8899	-2.27	13-	7	Q31	207.2185	-1.36	11-	4	P20	207.5528	-2.41	20-18	R12	208.0339	-2.81	19-16	R5	
206.6292	-2.17	17-13	R17	206.8910	-2.49	11-	4	P4	207.2363	-3.80	8-	0	Q23	-207.5564	-1.40	11-	4	R35	208.0362	-3.35	19-16	R0
206.6294	-2.32	13- 7	Q27	206.8923	-2.47	13-	7	R37	207.2421	-1.82	11-	4	P15	207.5588	-2.28	20-18	O9	208.0381	-2.28	21-20	R19	
206.6484	-2.02	17-13	Q13	206.8934	-4.19	8-	0	Q9	207.2499	-4.30	8-	0	P16	-207.5634	-1.91	15-10	P34	208.0434	-2.75	19-16	R6	
-206.6510	-1.21	12- 6	Q54	206.8945	-1.20	12-	6	M56	207.2499	-2.52	22-23	P19	207.5640	-2.90	21-20	P6	208.0500	-3.18	19-16	Q1		
206.6553	-2.49	17-13	P10	206.8964	-2.30	17-13	P15	207.2525	-1.76	17-13	Q24	207.5654	-2.78	20-18	P7	208.0536	-2.38	20-18	P16			
206.6646	-2.52	22-23	R16	206.8993	-1.67	11-	4	R18	207.2580	-1.34	11-	4	Q21	207.5714	-2.37	21-20	Q8	208.0563	-2.70	19-16	R7	
206.6699	-2.15	17-13	R18	206.9044	-2.59	22-23	P16	207.2596	-1.48	11-	4	R29	-207.5787	-1.51	12-	P56	208.0564	-2.96	19-16	Q2		
206.6718	-1.57	12- 6	P49	206.9061	-1.69	11-	4	Q9	-207.2687	-0.20	21-20	R23	207.5845	-1.65	11-	4	P22	208.0628	-2.45	21-20	P15	
206.6859	-2.72	13- 7	P23	206.9083	-4.08	8-	0	R23	-207.2696	-2.59	13-	7	P31	207.5867	-2.49	21-20	R11	208.0640	-2.06	21-20	Q17	
206.6882	-1.99	17-13	Q14	206.9107	-4.87	8-	0	P5	-207.2699	-1.95	15-10	P31	207.5907	-1.21	11-	4	Q28	208.0670	-2.81	19-16	Q3	
-206.6887	-1.89	15-10	R33	206.9123	-4.15	8-	0	D10	207.2740	-3.78	8-	0	Q24	207.5910	-2.38	20-18	R13	-208.0693	-1.32	11- 4	R43	
206.6893	-2.51	13- 7	R34	206.9137	-2.37	11-	4	P5	-207.2775	-2.42	13-	7	R42	207.5958	-2.23	20-18	O10	208.0726	-2.65	19-16	R8	
206.6988	-2.07	15-10	P24	206.9148	-1.63	15-10	Q31	207.2834	-2.15	17-13	P21	-207.6007	-2.07	17-13	P25	208.0775	-3.65	19-16	P2			
206.6919	-4.30	8-	0	R12	206.9174	-1.55	12- 6	P51	-207.2854	-1.79	11-	4	P16	207.6024	-2.82	21-20	R12	208.0799	-2.70	19-16	Q3	
-206.7564	-1.66	15-10	Q29	206.9193	-2.27	17-13	R23	207.2998	-4.27	8-	0	P17	207.6330	-2.35	20-18	R14	-208.1031	-2.11	13- 7	Q45		
206.7593	-4.57	8-	0	R6	206.9198	-4.01	8-	0	Q14	207.3044	-1.30	11-	4	Q22	207.6509	-2.28	21-20	Q10	208.1398	-2.58	19-16	Q7
206.7609	-2.11	17-13	R20	206.9197	-4.69	8-	0	P7	-207.3060	-2.41	7	R43	-207.6561	-1.09	8-	0	P25	208.1403	-2.54	19-16	R11	
206.76																						

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
208.2580	-3.40	14-	8	Q 5	208.5258	-2.92	14-	8	Q 16	208.8378	-4.01	9-	1	P 5	-209.1449	-2.68	14-	8	Q 28
208.2609	-3.26	14-	8	R 13	208.5272	-2.31	19-	16	R 20	208.8392	-3.21	14-	8	P 18	209.1498	-1.56	12-	5	Q 10
208.2634	-2.14	20-	18	R 24	208.5276	-3.11	16-	11	R 18	208.8410	-3.29	9-	1	Q 10	209.1527	-3.11	16-	11	P 21
208.2655	-2.29	19-	16	Q 11	208.5355	-2.43	13-	7	P 44	208.8470	-3.24	16-	11	P 16	209.1553	-3.47	9-	1	P 15
208.2692	-3.63	16-	11	R 4	208.5408	-2.98	16-	11	O 13	208.8490	-2.17	20-	18	P 25	209.1575	-1.56	12-	5	R 19
208.2704	-3.71	16-	11	R 3	208.5412	-1.26	11-	4	R 49	208.8504	-3.23	9-	1	R 22	209.1580	-2.71	16-	11	O 25
208.2708	-3.57	16-	11	R 5	208.5423	-2.54	19-	16	P 14	208.8522	-2.80	16-	11	O 20	209.1610	-2.18	12-	5	P 6
208.2718	-3.33	14-	8	Q 6	208.5426	-2.23	20-	18	P 22	208.8562	-2.98	16-	11	R 25	209.1669	-2.96	9-	1	Q 22
208.2742	-3.81	16-	11	R 2	208.5498	-3.40	14-	8	P 12	208.8593	-3.25	9-	1	Q 11	209.1693	-2.88	14-	8	R 34
208.2742	-4.14	14-	8	P 3	208.5502	-1.04	11-	4	O 42	208.8596	-2.77	14-	8	Q 23	209.1717	-1.52	12-	5	O 11
208.2750	-3.51	16-	11	R 6	208.5516	-3.04	14-	8	R 23	208.8601	-2.95	14-	8	R 29	209.1841	-1.54	12-	5	R 20
208.2784	-2.42	19-	16	R 15	208.5548	-1.43	11-	4	P 36	208.8624	-3.92	9-	1	P 6	209.1865	-2.12	20-	18	P 28
208.2806	-3.94	16-	11	R 1	208.5559	-2.11	19-	16	Q 17	208.8748	-3.22	9-	1	R 23	209.1877	-2.11	12-	5	P 7
208.2809	-3.24	14-	8	R 14	208.5621	-3.46	16-	11	P 10	208.8789	-2.40	19-	16	P 19	209.1890	-0.97	11-	4	Q 49
208.2818	-3.46	16-	11	R 7	208.5631	-2.90	14-	8	O 17	208.8796	-3.22	9-	1	O 12	209.1912	-1.35	11-	4	P 43
208.2843	-2.30	20-	18	P 19	208.5667	-3.09	16-	11	R 19	208.8890	-3.84	9-	1	P 7	209.1954	-1.49	12-	5	O 12
208.2879	-3.26	14-	8	Q 7	208.5776	-2.95	16-	11	O 14	208.8904	-2.60	13-	7	P 47	209.1954	-3.44	9-	1	P 16
208.2896	-4.11	16-	11	R 8	208.5880	-2.29	19-	16	R 21	208.8919	-2.00	19-	16	Q 22	209.2059	-2.94	9-	1	O 23
208.2906	-2.75	19-	16	P 1	208.5900	-3.30	21-	20	P 21	208.8998	-1.00	11-	4	Q 46	209.2101	-5.08	14-	8	P 24
208.2910	-3.41	16-	11	R 8	208.5920	-3.33	14-	8	P 13	208.9011	-2.75	14-	8	Q 24	209.2104	-2.31	19-	16	P 23
-208.2945	-1.29	11-	4	R 46	208.6027	-3.41	16-	11	P 11	208.9013	-3.18	9-	1	O 13	209.2130	-1.52	12-	5	R 21
208.2955	-3.96	14-	8	P 4	208.6029	-2.51	19-	16	P 15	208.9018	-3.20	9-	1	R 24	209.2165	-2.04	12-	5	P 8
208.3030	-3.37	16-	11	R 9	208.6036	-1.85	20-	18	Q 25	208.9019	-3.18	14-	8	P 19	-209.2203	-2.67	14-	8	Q 29
208.3037	-3.21	14-	8	R 15	208.6046	-3.02	14-	8	R 24	208.9028	-1.23	11-	4	R 53	209.2210	-1.45	12-	5	Q 13
208.3038	-3.94	16-	11	Q 1	208.6079	-3.07	16-	11	R 20	208.9069	-1.38	11-	4	P 40	209.2227	-3.09	16-	11	P 22
208.3056	-2.26	19-	16	O 12	208.6154	-2.87	14-	8	P 18	208.9077	-2.78	16-	11	Q 21	209.2272	-2.69	16-	11	O 26
208.3061	-3.21	14-	8	O 8	208.6161	-2.09	19-	16	O 18	208.9084	-3.21	16-	11	P 17	209.2373	-3.41	9-	1	P 17
208.3062	-2.37	21-	20	P 18	208.6183	-2.92	16-	11	O 15	-208.9130	-2.93	14-	8	R 30	-209.2405	-2.87	14-	8	R 35
208.3070	-1.99	21-	20	Q 20	208.6290	-1.21	11-	4	R 50	208.9145	-2.97	16-	11	R 26	209.2415	-2.92	9-	1	Q 24
208.3091	-3.71	16-	11	O 2	208.6357	-1.03	14-	8	O 43	208.9166	-3.77	9-	1	P 8	209.2437	-1.50	12-	5	R 22
-208.3097	-1.07	11-	4	Q 39	208.6365	-3.33	14-	8	P 14	208.9242	-3.15	9-	1	Q 14	209.2472	-1.98	12-	5	P 9
208.3131	-2.09	13-	7	P 47	208.6404	-1.41	11-	4	P 37	208.9371	-3.18	9-	1	R 25	209.2486	-1.42	12-	5	Q 14
208.3139	-3.33	16-	11	R 10	208.6422	-3.37	16-	11	P 12	208.9468	-3.71	9-	1	P 9	209.2517	-3.56	18-	14	R 3
-208.3161	-1.46	11-	4	P 33	208.6457	-2.21	20-	18	P 23	208.9482	-3.16	14-	8	P 20	209.2526	-3.48	18-	14	R 4
-208.3168	-2.45	13-	7	P 42	208.6517	-2.27	19-	16	R 22	208.9489	-3.12	9-	1	O 15	209.2543	-3.66	18-	14	R 2
208.3170	-3.57	16-	11	Q 3	208.6522	-3.01	14-	8	P 25	208.9541	-3.17	9-	1	R 24	209.2564	-3.42	18-	14	R 5
208.3194	-3.84	14-	8	P 5	208.6523	-3.05	16-	11	R 21	208.9542	-3.18	16-	11	P 18	209.2592	-3.78	18-	14	R 1
208.3214	-2.40	19-	16	R 16	208.6524	-2.42	13-	7	P 45	208.9561	-2.38	19-	16	P 20	209.2632	-3.36	18-	14	R 6
208.3269	-3.18	14-	8	Q 9	208.6595	-2.85	14-	8	P 19	208.9583	-2.16	20-	18	P 26	209.2662	-3.06	14-	8	P 25
208.3274	-3.46	16-	11	R 4	208.6654	-2.89	16-	11	O 16	208.9664	-2.76	16-	11	Q 22	209.2665	-3.96	18-	14	R 0
208.3292	-3.18	14-	8	R 16	208.6666	-2.48	19-	16	P 16	208.9687	-2.73	14-	8	Q 25	209.2733	-3.31	18-	14	R 7
208.3323	-4.41	16-	11	P 2	208.6794	-2.06	19-	16	O 19	208.9695	-1.98	19-	16	Q 23	209.2768	-1.49	12-	5	R 23
208.3324	-1.90	20-	18	Q 22	208.6833	-3.29	14-	8	P 15	-208.9730	-2.92	14-	8	R 31	209.2781	-1.39	12-	5	Q 15
208.3343	-3.30	16-	11	R 11	208.6851	-3.61	9-	1	R 8	208.9753	-3.10	9-	1	Q 16	209.2801	-1.93	12-	5	P 10
208.3345	-2.70	19-	16	P 10	208.6851	-3.66	9-	1	R 7	208.9776	-3.66	9-	1	P 10	209.2804	-3.38	9-	1	P 18
208.3405	-3.37	16-	11	Q 5	208.6857	-3.71	9-	1	R 6	208.9853	-3.15	9-	1	R 27	209.2806	-3.78	18-	14	O 1
208.3453	-3.74	14-	8	P 6	208.6872	-3.57	9-	1	R 9	-208.9917	-0.99	11-	4	D 47	-209.2834	-0.97	11-	4	P 50
208.3472	-2.12	20-	18	R 25	208.6889	-3.77	9-	1	R 5	208.9918	-1.98	12-	5	R 6	-209.2843	-2.91	9-	1	Q 25
208.3490	-2.22	19-	16	Q 13	208.6901	-3.54	9-	1	R 10	208.9925	-1.93	12-	5	R 7	209.2866	-3.26	18-	14	R 5
208.3498	-3.12	14-	8	P 10	208.6911	-3.33	16-	11	P 13	208.9930	-2.04	12-	5	R 5	-209.2874	-3.56	18-	14	P 24
208.3519	-4.11	16-	11	P 3	208.6931	-3.84	9-	1	R 4	-209.0054	-1.81	12-	5	R 11	-209.2903	-1.34	11-	4	P 44
208.3554	-3.27	16-	11	R 12	208.6950	-3.50	9-	1	R 11	208.9962	-2.11	12-	5	R 4	-209.2958	-3.07	16-	11	P 23
208.3564	-3.30	16-	11	Q 6	208.6969	-2.87	16-	11	Q 17	209.0001	-1.84	12-	5	R 9	209.2965	-3.42	18-	14	Q 3
208.3626	-3.16	14-	8	R 17	208.6993	-3.92	9-	1	R 3	209.0013	-2.18	12-	5	R 3	-209.3001	-2.65	14-	8	Q 30
208.3677	-2.28	20-	18	P 20	208.6994	-3.03	16-	11	R 22	209.0030	-3.07	9-	1	Q 17	209.3004	-2.67	16-	11	Q 27
208.3678	-2.38	19-	16	R 17	208.7011	-1.83	20-	18	P 26	-209.0032	-1.37	11-	4	P 41	209.3020	-2.29	19-	14	P 24
208.3737	-3.66	14-	8	P 7	208.7013	-3.47	9-	1	R 12	209.0058	-3.14	9-	1	R 28	209.3029	-3.22	18-	14	R 9
208.3740	-3.94	16-	11	P 4	208.7047	-2.83	14-	8	P 20	209.0070	-1.80	12-	5	R 10	209.3080	-3.31	18-	14	Q 4
208.3749	-3.08	14-	8	O 11	208.7067	-4.01	9-	1	R 2	-209.0101	-2.39	13-	7	P 48	209.3099	-1.37	12-	5	P 24
-208.3760	-1.28	11-	4	R 47	208.7089	-3.44	9-	1	R 13	209.0104	-3.61	9-	1	P 11	209.3116	-1.47	12-	5	R 24
208.3779	-3.24	16-	11	R 13	208.7154	-4.14	9-	1	R 1	209.0112	-3.14	14-	8	P 21	-209.3134	-2.86	18-	14	P 36
208.3797	-3.14	14-																	

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ					
210.1437	-1.47	12-	5	P27	-210.8415	-1.34	12-	5	P36	211.1933	-2.95	17-12	R15	211.3860	-2.84	17-12	R20	211.6685	-2.75	17-12	R25			
-210.1552	-1.26	12-	5	R40	-210.8477	-2.80	10-	2	Q8	211.1977	-2.88	10-	2	P15	211.3870	-2.31	10-	2	Q26	211.6563	-1.72	15-	9	Q27
-210.1590	-1.06	12-	5	Q33	-210.8498	-2.18	15-	9	Q9	211.1992	-1.87	15-	9	Q19	211.3940	-3.24	22-21	Q7	211.6578	-1.37	13-	6	Q17	
-210.1631	-1.24	11-	4	P52	-210.8533	-2.69	10-	2	R20	211.2008	-2.86	17-12	O10	211.3951	-4.52	20-17	P6	211.6595	-4.18	20-17	P12			
210.1905	-2.57	18-	14	Q24	-210.8561	-1.95	12-	5	Q42	211.2062	-2.03	15-	9	R25	211.3963	-1.74	13-	6	O7	211.6652	-3.92	20-17	R18	
210.1948	-2.78	18-	14	R28	-210.8589	-2.21	15-	9	R16	211.2082	-3.41	17-12	P7	211.3965	-4.07	20-17	R12	211.6701	-3.41	22-21	P11			
-210.2075	-2.90	14-	8	P36	-210.8590	-3.55	10-	2	P4	-211.2088	-1.29	12-	5	P40	211.3969	-1.80	13-	6	O6	211.6721	-2.98	17-12	P17	
210.2126	-2.96	18-	14	P21	-210.8627	-2.75	10-	2	Q9	211.2159	-2.32	15-	9	P15	211.4019	-1.66	13-	6	R16	211.6752	-1.87	13-	6	P12
210.2129	-1.45	12-	5	P28	-210.8663	-2.76	15-	9	P6	211.2166	-2.38	10-	2	O22	-211.4033	-1.27	12-	5	P42	211.6757	-3.18	22-21	R15	
-210.2263	-1.25	12-	5	R41	-210.8736	-2.14	15-	9	O10	-211.2250	-0.92	12-	5	Q46	211.4034	-2.61	13-	6	P3	211.6814	-3.73	20-17	Q15	
-210.2295	-1.04	12-	5	Q34	-210.8758	-2.67	10-	2	R21	211.2263	-2.93	17-12	R16	211.4052	-3.14	17-12	P12	211.6829	-2.22	10-	2	Q32		
210.2276	-2.55	18-	14	Q25	-210.8797	-2.71	10-	2	O10	211.2312	-2.82	17-12	O11	211.4079	-1.79	15-	9	Q23	211.6843	-1.48	13-	6	R25	
210.2272	-2.77	18-	14	R29	-210.8800	-1.18	12-	5	R49	211.2326	-4.61	20-17	R7	211.4164	-3.72	22-21	P6	211.6844	-1.11	12-	5	R57		
-210.2281	-1.25	11-	4	P53	-210.8805	-3.43	10-	2	P5	211.2370	-4.52	20-17	R3	211.4168	-3.94	20-17	O9	211.6861	-2.98	22-21	Q13			
210.2851	-1.44	12-	5	P29	-210.8877	-2.18	15-	9	R17	211.2388	-2.85	10-	2	P16	-211.4170	-0.90	12-	5	Q48	211.6899	-2.65	10-	2	P25
210.2907	-2.94	18-	14	P22	-210.8953	-2.68	15-	9	R7	211.2405	-4.44	20-17	R4	211.4187	-3.34	22-21	R10	211.6905	-2.55	17-12	Q21			
-210.2992	-1.24	12-	5	R42	-210.8983	-2.67	10-	2	O11	211.2411	-4.74	20-17	R1	211.4202	-2.75	10-	2	P20	211.6924	-2.12	15-	9	P23	
-210.3027	-1.03	12-	5	Q35	-210.9003	-2.10	15-	9	O11	211.2421	-3.34	17-12	P8	211.4244	-1.68	13-	6	O8	211.6980	-1.35	13-	6	G18	
-210.3083	-2.88	14-	8	P37	-210.9003	-2.65	10-	2	R22	211.2474	-4.92	20-17	R0	211.4247	-2.44	13-	6	P4	211.7031	-1.80	13-	6	P14	
210.3478	-2.54	18-	14	Q26	-210.9053	-3.33	10-	2	P6	211.2476	-1.85	15-	9	Q20	211.4252	-2.67	17-12	Q16	211.7076	-2.74	17-12	R26		
210.3574	-1.42	12-	5	P30	-210.9184	-2.63	10-	2	O12	211.2481	-4.37	20-17	R5	211.4254	-1.64	13-	6	R17	211.7156	-1.24	12-	5	P45	
-210.3716	-1.02	12-	5	Q30	-210.9188	-2.16	15-	9	R8	211.2510	-3.94	22-21	R1	211.4256	-1.97	15-	9	R29	211.7163	-4.14	20-17	P13		
210.3736	-2.92	18-	14	P23	-210.9252	-1.33	12-	5	P37	211.2511	-3.81	22-21	R2	211.4308	-3.18	22-21	O8	211.7195	-1.84	13-	6	P13		
-210.3765	-1.23	12-	5	R43	-210.9270	-2.81	18-	14	P29	211.2548	-4.11	22-21	R0	211.4308	-4.44	20-17	P7	211.7214	-3.89	20-17	R19			
-210.3996	-1.25	11-	4	P54	-210.9270	-2.62	15-	9	P8	211.2559	-3.72	22-21	R3	211.4326	-4.04	20-17	R13	211.7251	-1.71	15-	9	Q28		
-210.4108	-2.87	14-	8	P38	-210.9280	-2.63	10-	2	R23	211.2563	-2.36	10-	2	G23	211.4331	-2.82	17-12	R21	211.7263	-1.47	13-	6	R26	
210.4311	-2.52	18-	14	Q27	-210.9291	-2.06	15-	9	O12	211.2574	-2.02	15-	9	R26	211.4344	-2.21	15-	9	P19	211.7341	-2.95	17-12	P18	
210.4434	-1.01	12-	5	Q37	-210.9406	-2.60	10-	2	O13	211.2613	-2.91	17-12	R17	211.4458	-1.64	13-	6	O9	211.7352	-3.37	22-21	P12		
-210.4532	-1.22	12-	5	R44	-210.9448	-0.94	12-	5	Q43	211.2615	-4.74	20-17	O1	211.4483	-2.31	13-	6	P5	211.7386	-1.32	13-	6	O19	
210.4561	-2.90	18-	14	P24	-210.9524	-2.14	15-	9	R19	211.2620	-1.14	12-	5	R53	211.4504	-3.89	20-17	O10	211.7388	-3.70	20-17	G16		
-210.5121	-1.39	12-	5	P32	-210.9587	-3.19	10-	2	P8	211.2643	-2.79	17-12	O12	211.4508	-1.61	13-	6	R18	211.7416	-3.16	22-21	R16		
210.5154	-2.51	18-	14	Q28	-210.9604	-2.03	15-	9	O13	211.2652	-3.64	22-21	R4	211.4529	-3.11	17-12	P13	211.7512	-2.95	22-21	Q14			
-210.5162	-2.86	14-	8	P39	-210.9611	-2.56	15-	9	P9	211.2669	-2.29	15-	9	P16	211.4578	-3.64	22-21	P7	211.7522	-2.53	17-12	Q22		
-210.5232	-1.00	12-	5	Q38	-210.9643	-2.57	10-	2	O14	211.2685	-3.94	22-21	O1	211.4606	-3.30	22-21	R11	211.7588	-2.63	10-	2	P26		
-210.5274	-1.24	11-	4	P55	-210.9658	-2.62	10-	2	R24	211.2692	-4.52	20-17	O2	-211.4657	-1.13	12-	5	R55	211.7632	-2.10	15-	9	P24	
-210.5331	-1.21	12-	5	R45	-210.9701	-1.17	12-	5	R50	211.2728	-4.26	20-17	R7	211.4661	-1.77	15-	9	Q24	211.7694	-1.77	13-	6	P15	
210.5547	-2.88	18-	14	P25	-210.9726	-2.60	10-	2	R25	211.2784	-4.37	20-17	O3	211.4689	-3.37	20-17	P8	211.7701	-1.45	13-	6	R27		
-210.5587	-1.38	12-	5	P33	-210.9876	-3.13	10-	2	P8	211.2785	-3.72	22-21	O2	211.4698	-1.59	13-	6	D10	211.7752	-2.72	17-12	R27		
-210.6036	-0.99	12-	5	Q39	-210.9885	-2.12	15-	9	R20	211.2789	-3.28	17-12	P9	211.4699	-2.73	10-	2	P21	211.7765	-4.10	20-17	P14		
210.6051	-2.49	18-	14	Q29	-210.9899	-2.54	10-	2	O15	211.2792	-3.57	22-21	R5	211.4705	-4.01	20-17	R14	211.7810	-1.30	13-	6	G20		
-210.6170	-1.20	12-	5	R46	-210.9942	-2.00	15-	9	O14	211.2814	-2.83	10-	2	P17	211.4719	-3.14	22-21	O9	211.7824	-3.87	20-17	R20		
-210.6744	-1.37	12-	5	P34	-211.0072	-2.58	10-	2	R26	211.2903	-2.01	13-	6	R6	211.4754	-2.22	13-	6	P6	211.7945	-1.69	15-	9	O29
-210.6855	-0.98	12-	5	Q40	-211.0169	-2.51	10-	2	O16	211.2903	-4.22	20-17	R8	211.4774	-1.55	13-	6	Q11	211.7966	-2.62	10-	2	P27	
210.6969	-2.48	18-	14	Q30	-211.0171	-1.32	11-	4	P38	211.2923	-3.57	22-21	O3	211.4781	-1.59	13-	6	R19	211.7983	-2.93	17-12	P19		
-210.7026	-1.19	12-	5	R47	-211.0180	-3.41	17-12	R4	211.2932	-4.26	20-17	O4	211.4832	-2.80	17-12	R22	211.7990	-3.67	20-17	Q17				
210.7035	-2.62	15-	9	R5	-211.0182	-3.08	10-	2	P10	211.2941	-1.77	13-	6	R12	-211.4887	-1.96	15-	9	R30	211.8047	-3.34	22-21	P13	
210.7040	-2.68	15-	9	R4	-211.0185	-3.49	17-12	R3	211.2960	-4.61	22-21	P2	211.4906	-3.86	20-17	O11	211.8123	-3.14	22-21	R17				
210.7057	-2.57	15-	9	R6	-211.0199	-3.34	17-12	R5	211.2975	-2.34	10-	2	O24	211.4950	-2.18	15-	9	P20	211.8169	-1.64	13-	6	R28	
210.7066	-2.76	15-	9	R3	-211.0219	-3.58	17-12	R2	211.2978	-3.51	22-21	R3	211.4963	-2.27	10-	2	Q28	211.8215	-2.51	17-12	Q23			
210.7102	-2.51	15-	9	R7	-211.0248	-3.28	17-12	R6	211.2985	-1.83	15-	9	Q21	211.5030	-2.14	13-	6	P7	211.8215	-2.92	22-21	Q15		
210.7120	-2.86	15-	9	R2	-211.0272	-2.10	15-	9	R21	211.3003	-2.88	17-12	R18	211.5030	-3.07	17-12	R14	211.8228	-1.23	12-	5	P46		
210.7171	-2.46	15-	9	R8	-211.0280	-3.71	17-12	R1	211.3004	-2.75	17-12	R13	211.5040	-3.57	22-21	P8	211.825							

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
212,0714	-2.03	15- 9	P28	212,5845	-3.42	19-15	P10	-213,0379	-1.14	12- 5	P5	213,4618	-2.60	16-10	P 5	213,8800	-2.68	18-13	R 4
-212,0737	-8.5	12- 5	Q54	212,5861	-3.09	19-15	R17	213,0387	-2.83	11- 3	P 7	213,4709	-4.13	23-23	Q13	213,8800	-2.76	18-13	R 3
212,0782	-3.58	20-17	Q21	212,5883	-2.94	19-15	Q13	213,0392	-2.74	19-15	Q21	213,4726	-1.90	11- 3	025	213,8815	-2.21	11- 7	P26
-212,0786	-1.19	13- 6	Q26	-212,5957	-1.08	13- 6	034	-213,0413	-1.40	13- 6	P34	213,4752	-1.92	11- 6	010	213,8827	-2.61	18-13	R 5
-212,0800	-1.37	13- 6	R33	212,6046	-2.74	17-12	P29	213,0454	-3.14	19-15	P18	213,4867	-4.52	23-23	P12	213,8830	-2.86	18-13	R 2
212,0868	-2.84	17-12	P23	-212,6127	-1.94	15- 9	P34	213,0512	-2.21	11- 3	R23	213,4893	-2.50	16-10	P 6	-213,8853	-1.10	12- 5	P62
212,0961	-2.44	17-12	Q27	-212,6212	-1.28	13- 6	R61	213,0525	-4.45	23-23	Q 6	213,4921	-1.94	16-10	R16	213,8886	-2.98	18-13	R 1
212,1000	-1.61	13- 6	P21	212,6314	-3.37	19-15	P11	213,0533	-2.17	11- 3	Q13	213,4945	-2.35	11- 3	P19	213,8886	-2.56	18-13	R 6
-212,1078	-1.64	15- 9	Q33	212,6331	-3.07	19-15	R18	213,0610	-4.96	23-23	P 5	213,5007	-1.88	16-10	O10	213,8888	-1.73	14- 7	Q11
212,1255	-2.54	10- 2	P32	212,6334	-2.91	19-15	Q14	213,0670	-2.76	11- 3	P 8	-213,5032	-1.33	13- 6	P39	213,8889	-1.59	16-10	Q20
212,1307	-3.21	22-21	P17	-212,6355	-1.47	13- 6	P29	213,0706	-4.56	23-23	R 8	-213,5098	-1.19	13- 6	R51	213,8971	-2.51	18-13	R 7
212,1319	-3.96	20-17	P19	-212,6487	-1.17	12- 5	P53	-213,0782	-1.01	13- 6	O40	213,5191	-1.88	11- 3	Q26	213,8977	-1.77	14- 7	R19
-212,1362	-1.17	13- 6	Q27	-212,6709	-1.06	13- 6	Q35	213,0785	-2.14	11- 3	O14	213,5194	-2.42	16-10	P 7	213,8978	-3.16	18-13	R 0
-212,1397	-1.36	13- 6	R34	-212,6804	-0.81	12- 5	Q59	-213,0794	-0.79	12- 5	Q62	213,5230	-4.33	23-23	R15	213,8984	-2.31	14- 7	P 7
212,1443	-3.79	20-17	R25	212,6808	-3.84	20-17	P25	213,0807	-2.19	11- 3	R24	213,5241	-1.92	16-10	R17	213,9089	-2.46	18-13	R 8
-212,1454	-1.08	12- 5	R61	212,6806	-2.88	19-15	Q15	213,0913	-4.86	23-23	P 6	213,5286	-1.84	16-10	Q11	213,9098	-2.02	16-10	P16
212,1501	-2.82	22-21	Q19	212,6831	-3.33	19-15	P12	213,0947	-4.39	23-23	Q 7	213,5312	-3.01	19-15	P24	213,9125	-2.98	18-13	Q 1
212,1551	-0.02	15- 9	P29	212,6835	-3.05	19-15	R19	213,0969	-2.70	11- 3	P 9	-213,5422	-0.96	13- 6	Q45	213,9149	-1.69	14- 7	Q12
212,1571	-3.56	20-17	Q22	-212,6995	-1.27	13- 6	R42	213,1050	-2.11	11- 3	Q15	213,5445	-2.33	11- 3	P20	213,9153	-1.29	13- 6	P43
212,1596	-1.59	13- 6	P22	212,7032	-2.72	17-12	P30	213,1104	-2.72	19-15	Q22	213,5519	-2.35	16-10	P 8	213,9180	-2.76	18-13	Q 2
-212,1635	-1.20	12- 5	P49	-212,7128	-1.45	13- 6	P30	213,1115	-2.17	11- 3	R25	213,5556	-4.10	23-23	Q14	213,9187	-1.75	16-10	R26
212,1661	-2.82	17-12	P24	212,7303	-3.29	19-15	P13	213,1168	-4.52	23-23	R 9	213,5587	-1.90	16-10	R18	213,9233	-2.42	18-13	R 9
212,1819	-2.43	17-12	Q28	212,7323	-2.86	19-15	O16	213,1181	-3.12	19-15	P19	213,5591	-1.80	16-10	Q12	213,9272	-2.61	18-13	Q 3
-212,1899	-0.84	12- 5	O55	212,7374	-3.03	19-15	R20	-213,1236	-1.22	13- 6	R47	213,5687	-1.86	11- 3	Q27	213,9285	-1.75	14- 7	R20
-212,1950	-0.16	13- 6	O28	-212,7475	-1.05	13- 6	O36	213,1287	-2.65	11- 3	P10	213,5726	-4.48	23-23	P13	213,9289	-2.25	14- 7	P 8
212,1972	-2.52	10- 2	P33	-212,7748	-1.16	12- 5	P54	-213,1288	-1.38	13- 6	P35	213,5872	-2.30	16-10	P 9	-213,9300	-0.16	13- 6	R55
-212,2012	-1.35	13- 6	R35	212,7797	-1.26	13- 6	R43	213,1337	-2.09	11- 3	O16	-213,5903	-1.11	12- 5	P60	213,9387	-2.51	18-13	D 4
212,2149	-3.94	20-17	P20	212,7844	-3.82	20-17	P26	213,1425	-6.33	23-23	O 8	213,5920	-1.77	16-10	Q13	213,9407	-2.38	18-13	R10
212,2210	-1.57	13- 6	P23	212,7864	-2.83	19-15	Q17	213,1454	-2.16	11- 3	R26	213,5959	-2.30	11- 3	P21	213,9419	-3.46	18-13	P 2
212,2244	-0.18	22-21	P18	212,7882	-3.26	19-15	P14	213,1492	-4.79	23-23	P 7	213,5986	-1.88	16-10	R19	213,9435	-1.66	14- 7	Q21
212,2394	-3.54	20-17	Q23	-212,7913	-1.44	13- 6	P31	213,1627	-2.60	11- 3	P11	-213,6016	-1.32	13- 6	P40	213,9438	-1.57	16-10	R21
212,2395	-2.00	15- 9	P30	212,7941	-3.01	19-15	R21	213,1640	-2.06	11- 3	O17	-213,6072	-1.18	13- 6	R52	213,9438	-2.19	11- 3	P27
212,2450	-2.80	22-21	O20	-212,8111	-0.80	12- 5	P60	-213,1669	-1.00	13- 6	O41	213,6138	-4.31	23-23	R16	213,9536	-2.42	18-13	Q 5
212,2465	-2.80	17-12	P25	-212,8265	-1.04	13- 6	O37	213,1686	-4.48	23-23	R10	213,6238	-2.99	19-15	P25	213,9545	-2.00	16-10	P17
-212,2571	-1.14	13- 6	O29	212,8301	-2.65	11- 3	R7	213,1714	-1.14	12- 5	P57	213,6250	-2.25	16-10	P10	213,9608	-2.35	18-13	R11
212,2652	-1.33	13- 6	R36	212,8306	-2.60	11- 3	R8	213,1801	-2.14	11- 3	R27	213,6258	-1.85	11- 3	Q28	213,9617	-2.19	14- 7	P 9
212,2657	-2.41	17-12	Q29	212,8316	-2.70	11- 3	R6	213,1851	-2.70	19-15	Q23	213,6279	-1.74	16-10	O14	213,9618	-1.73	14- 7	R21
212,2722	-3.67	19-15	R3	212,8331	-2.56	11- 3	R9	213,1940	-3.09	19-15	P20	213,6367	-1.86	16-10	R20	213,9622	-3.16	18-13	P 3
212,2743	-3.77	19-15	R2	212,8347	-2.76	11- 3	R5	213,1949	-4.28	23-23	O 9	-213,6466	-0.95	13- 6	O46	-213,9650	-1.92	13- 6	Q49
212,2754	-3.60	19-15	R4	212,8364	-2.52	11- 3	R10	213,1959	-2.04	11- 3	Q18	213,6481	-4.07	23-23	Q15	213,9664	-4.00	23-23	Q18
212,2781	-3.90	19-15	R1	212,8399	-2.83	11- 3	R 4	213,1973	-2.56	11- 3	P 3	213,6494	-2.26	11- 3	P22	213,9710	-2.35	18-13	Q 6
212,2830	-3.53	19-15	R5	212,8447	-2.81	19-15	Q18	-213,2174	-1.22	13- 6	R48	213,6555	-2.20	16-10	P11	213,9807	-4.36	23-23	P17
212,2844	-3.47	19-15	R6	212,8469	-2.91	11- 3	R 3	213,2178	-2.13	11- 3	R28	213,6662	-1.71	16-10	Q15	213,9842	-2.31	18-13	R12
212,2850	-1.55	13- 6	P24	212,8478	-3.23	19-15	P15	-213,2190	-1.37	13- 6	P36	213,6667	-1.84	16-10	R21	213,9861	-2.98	18-13	P 4
212,2854	-4.07	19-15	R0	212,8495	-2.46	11- 3	R12	-213,2267	-0.45	23-23	R11	213,6689	-1.83	11- 3	Q29	-213,9907	-1.74	16-10	R27
212,2968	-3.42	19-15	R7	212,8554	-2.99	19-15	R22	213,2301	-2.01	11- 3	Q19	213,6698	-2.19	14- 7	R 6	213,9916	-2.28	18-13	Q 7
212,2995	-3.92	20-17	P21	212,8550	-3.00	11- 3	R2	213,2343	-2.52	11- 3	P 3	213,6990	-2.25	14- 7	R 5	213,9966	-2.14	14- 7	P10
212,2998	-3.90	19-15	Q1	212,8590	-2.43	11- 3	R13	213,2539	-2.11	11- 3	R29	213,7009	-2.14	14- 7	R 7	213,9973	-1.71	14- 7	R22
212,3068	-3.67	19-15	Q2	-212,8629	-1.25	19-15	R24	213,2550	-4.24	23-23	R10	213,7014	-2.31	14- 7	R 4	214,0012	-1.55	16-10	Q22
-212,3079	-0.83	12- 5	Q56	-212,8657	-1.33	11- 3	R 1	-213,2575	-0.98	13- 6	O42	-213,7021	-1.31	13- 6	P41	214,0048	-1.60	14- 7	Q15
212,3118	-3.37	19-15	R8	212,8698	-2.40	11- 3	R13	213,2631	-2.68	19-15	Q24	213,7045	-2.26	11- 3	P23	214,0092	-2.17	11- 3	P28
212,3148	-1.13	13- 6	Q30	-212,8721	-1.42	13- 6	P32	213,2658	-1.99	11- 3	Q20	213,7050	-2.09	14- 7	R 8	214,0099	-2.28	18-13	R13
212,3173	-5.53	19-15	Q3	212,8775	-3.37	20-11	R 3	213,2669	-4.66	23-23	P 9	213,7055	-2.39	14- 7	R 3	214,0125	-2.86	18-13	P 5
212,3230	-3.16	22-21	P19	212,8828	-2.37	21-11	R15	213,2732	-2.49	11- 3	P14	213,7078	-1.68	16-10	Q16	214,0149	-2.23	18-13	Q 8
212,3269																			

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	
-214,2494	-1.26	13-	6	P6	214,7079	-2.91	21-18	R 9	215,1084	-2.25	12-	4	Q 5	215,4400	-3.07	20-16	R 1	215,7121	-4.71	9- 0 Q19
214,2506	-1.46	14-	7	Q21	214,7132	-3.07	22-20	Q 8	215,1108	-1.71	16-10	P32	215,4410	-5.60	9- 0	Q 2	215,7135	-2.64	20-16 P 9	
214,2526	-1.92	14-	7	P16	214,7149	-1.32	14-	7 Q29	215,1123	-3.29	12-	4	P 2	215,4425	-1.82	12-	4 R28	215,7184	-1.74	12- 4 R34
214,2527	-1.48	16-10	Q26	214,7192	-1.79	18-13	Q23	215,1129	-1.20	13-	6	P53	215,4425	-2.34	21-18	Q20	215,7213	-5.26	9- 0 P12	
214,2571	-1.61	14-	7	R28	214,7193	-1.73	14-	7 P24	215,1136	-3.00	22-20	R18	215,4431	-2.70	20-16	R 5	215,7243	-2.15	20-16 Q12	
214,2605	-1.97	18-13	Q15	214,7226	-2.84	21-18	Q 6	215,1167	-1.46	14-	7 R41	215,4431	-2.55	21-18	R23	215,7317	-2.29	20-16 R16		
214,2774	-2.12	18-13	R20	214,7248	-3.18	22-20	R11	215,1173	-2.02	12-	4 R17	215,4457	-5.45	9- 0	Q 3	215,7424	-1.57	12- 4 Q26		
214,2796	-2.42	18-13	P12	214,7267	-3.47	21-18	P 4	215,1199	-2.18	12-	4 Q 6	215,4480	-3.25	20-16	R 0	215,7434	-4.68	9- 0 Q20		
214,2814	-1.88	16-10	P22	214,7275	-1.22	13-	6 P50	215,1249	-2.87	21-18	P13	215,4486	-4.94	9- 0	R21	215,7452	-2.65	21-18 P21		
214,2992	-1.44	16-10	Q22	214,7337	-1.51	14-	7 R36	215,1326	-2.99	12-	4 P 3	215,4522	-5.34	9- 0	Q 4	215,7558	-2.02	12- 4 P20		
214,3010	-0.89	13-	6 Q25	214,7351	-2.87	21-18	R10	215,1329	-2.12	12-	4 Q 7	215,4523	-2.64	20-16	R 6	215,7589	-2.59	20-16 P10		
214,3031	-1.89	14-	7 P17	214,7444	-1.77	16-10	P28	215,1372	-1.99	12-	4 R18	215,4556	-1.42	14-	R45	215,7595	-5.22	9- 0 P13		
214,3038	-1.67	16-10	R32	214,7477	-3.52	22-20	P 7	215,1391	-1.24	14-	7 Q35	215,4601	-5.26	9- 0	Q 5	215,7672	-1.16	14- 7 Q42		
214,3074	-1.94	18-13	Q16	214,7489	-3.35	21-18	P 5	215,1475	-2.78	22-20	Q16	215,4626	-3.07	20-16	R 0	215,7687	-2.12	20-16 Q13		
214,3089	-1.60	14-	7 R29	214,7494	-2.77	21-18	Q 7	215,1484	-2.06	12-	4 Q 8	215,4632	-1.19	14-	7 Q39	215,7717	-3.00	22-20 P21		
214,3233	-1.46	16-10	Q27	214,7522	-3.02	22-20	Q 9	215,1503	-3.18	22-20	P14	215,4650	-2.59	20-16	R 7	215,7729	-1.73	12- 4 R35		
214,3257	-2.10	18-13	R21	214,7614	-2.18	18-13	P20	215,1542	-2.82	12-	4 P 4	215,4680	-4.92	9- 0	R22	215,7757	-4.66	9- 0 Q21		
214,3292	-2.38	18-13	P13	214,7658	-2.84	21-18	R11	215,1549	-2.63	21-18	R19	215,4692	-2.85	20-16	O 2	215,7787	-2.27	20-16 R17		
214,3416	-1.86	16-10	P23	214,7669	-3.15	22-20	R12	215,1592	-1.97	12-	4 R19	215,4694	-5.18	9- 0	Q 6	215,7853	-1.54	14- 7 P37		
214,3501	-1.42	14-	7 Q23	214,7678	-1.31	14-	7 Q30	215,1595	-2.43	12-	4 R16	215,4707	-6.30	9- 0	P 2	215,7888	-2.26	21-18 Q24		
214,3557	-1.86	14-	7 P18	214,7800	-2.72	21-18	Q 8	215,1608	-2.08	18-13	P25	215,4723	-2.68	22-20	Q20	215,7937	-1.55	12- 4 Q27		
214,3573	-1.92	18-13	Q17	214,7829	-0.86	13-	6 Q56	215,1643	-1.63	14-	7 P30	215,4743	-2.18	12-	P14	215,7982	-5.18	9- 0 P14		
214,3633	-1.59	14-	7 R30	214,7853	-3.25	21-18	P 6	215,1649	-2.02	12-	4 Q 9	215,4760	-1.68	12- 4 Q20	215,8072	-2.55	20-16 P11			
214,3662	-1.25	13-	6 P47	214,7877	-1.71	14-	7 P25	215,1780	-2.69	12-	4 P 5	215,4777	-3.07	22-20	P18	215,8095	-4.64	9- 0 Q22		
214,3758	-1.66	16-10	R33	214,7909	-1.77	18-13	Q24	215,1826	-1.95	12-	4 R20	215,4800	-2.70	20-16	O 3	215,8095	-1.99	12- 4 P21		
214,3800	-2.08	18-13	R22	214,7922	-3.45	22-20	P 8	215,1842	-1.97	12-	4 Q10	215,4811	-2.55	20-16	R 8	215,8165	-2.09	20-16 Q14		
214,3821	-2.35	18-13	P14	214,7953	-2.97	22-20	Q10	215,1878	-2.97	22-20	R19	215,4815	-5.12	9- 0	Q 7	215,8285	-1.71	12- 4 R36		
214,4030	-1.40	14-	7 Q24	214,7959	-1.37	16-10	Q33	215,1894	-2.84	21-18	P14	215,4839	-1.80	12-	R29	215,8288	-2.25	20-16 R18		
214,4042	-1.44	16-10	Q28	214,8016	-2.80	21-18	R12	215,1895	-1.45	14-	7 R42	215,4839	-2.72	21-18	P18	215,8385	-5.15	9- 0 P15		
214,4102	-1.89	18-13	Q18	214,8067	-1.50	14-	T R37	215,2036	-2.59	12-	4 P 6	215,4892	-4.90	9- 0	R23	215,8406	-2.63	21-18 P22		
214,4105	-1.84	14-	7 P19	214,8132	-2.67	21-18	Q 9	215,2050	-1.93	12-	4 Q11	215,4900	-6.00	9- 0	P 3	215,8450	-4.63	9- 0 Q23		
214,4138	-1.88	13-	6 Q53	214,8136	-3.12	22-20	R13	215,2070	-1.69	12-	4 P12	215,4920	-2.55	20-16	P 2	215,8465	-1.54	12- 4 Q28		
214,4189	-1.84	16-10	P24	214,8190	-1.77	18-13	Q24	215,2182	-1.95	12-	4 R20	215,4931	-2.77	20-16	R 8	215,8829	-2.23	20-16 R19		
214,4219	-1.57	14-	7 R31	214,8193	-2.17	18-13	P21	215,2184	-1.23	14-	7 Q36	215,4950	-5.07	9- 0	Q 8	215,8860	-1.71	12- 4 P12		
214,4369	-2.06	18-13	R23	214,8376	-1.29	14-	7 Q31	215,2213	-2.61	12-	4 R20	215,5001	-2.51	20-16	R 9	215,8864	-1.97	12- 4 P22		
214,4374	-2.31	18-13	P15	214,8404	-2.77	21-18	R13	215,2215	-2.75	22-20	O17	215,5077	-1.57	14-	T P34	215,8875	-2.06	20-16 Q15		
214,4587	-1.38	14-	7 Q25	214,8409	-3.39	22-20	P 9	215,2247	-2.41	21-18	Q17	215,5101	-2.51	20-16	O 5	215,8880	-4.61	9- 0 Q24		
214,4659	-1.87	18-13	Q19	214,8429	-2.93	22-20	O11	215,2255	-3.15	22-20	P15	215,5106	-5.02	9- 0	Q 9	215,8826	-5.12	9- 0 P16		
214,4678	-1.81	14-	7 P20	214,8466	-1.75	16-10	P29	215,2266	-1.90	12-	4 Q12	215,5113	-5.82	9- 0	P 4	215,8829	-2.23	20-16 R19		
214,4693	-1.43	16-10	Q29	214,8513	-1.22	13-	6 P51	215,2309	-2.52	12-	4 P 7	215,5121	-4.88	9- 0	R24	215,8860	-1.70	12- 4 R37		
214,4767	-1.56	14-	7 R32	214,8513	-2.63	21-18	Q10	215,2371	-1.91	12-	4 R22	215,5130	-3.25	20-16	P 3	215,8870	-2.24	21-18 Q25		
214,4821	-1.24	13-	6 P48	214,8588	-1.69	14-	T P26	215,2412	-1.19	13-	6 P54	215,5153	-1.65	12-	4 Q21	215,8887	-1.52	14- 7 P38		
214,4961	-1.82	16-10	P25	214,8624	-1.49	14-	R38	215,2470	-1.61	14-	7 P31	215,5161	-2.15	12-	4 P15	215,9019	-1.52	12- 4 Q29		
214,4965	-2.28	18-13	P16	214,8642	-3.11	21-18	P 8	215,2500	-2.06	18-13	P26	215,5204	-1.17	13-	6 P56	215,9146	-2.47	20-16 P13		
214,4971	-2.04	18-13	R24	214,8647	-3.09	20-22	R14	215,2521	-1.86	12-	4 Q13	215,5224	-2.47	20-16	R10	215,9212	-4.59	9- 0 Q25		
214,5159	-3.17	14-	7 Q26	214,8660	-1.75	18-13	Q25	215,2571	-2.80	21-18	P20	215,5234	-2.32	21-18	R21	215,9223	-2.03	20-16 Q16		
214,5250	-1.85	18-13	Q20	214,8831	-2.75	21-18	R14	215,2598	-2.45	12-	4 P 8	215,5267	-2.54	21-18	R24	215,9224	-1.95	12- 4 P23		
214,5273	-1.79	14-	7 P21	214,8885	-1.36	16-10	Q34	215,2656	-1.90	12-	4 R23	215,5274	-1.79	12-	R30	215,9340	-5.09	9- 0 P17		
214,5384	-0.88	13-	6 Q54	214,8930	-0.59	21-18	Q11	215,2769	-1.44	14-	7 R43	215,5295	-4.98	9- 0	Q10	215,9369	-5.07	9- 0 P18		
214,5390	-1.55	14-	7 R33	214,8941	-3.34	22-20	P10	215,2780	-1.83	12-	4 Q14	215,5307	-2.43	20-16	O 6	215,9401	-2.61	21-18 P23		
214,5414	-3.69	22-20	R 2	214,9370	-1.68	14-	T P27	215,3068	-1.80	12-	4 Q15	215,5546	-2.37	20-16	O 7	215,9828	-1.93	12- 4 P24		
214,5626	-3.82	22-20	Q 1	214,9380	-2.55	21-18	O12	215,3114	-1.68	16-10	P34	215,5570	-1.64	12-	4 Q22	215,9829	-2.40	20-16 P15		
214,5639	-3.45	22-20	R 2	214,9397	-1.74	18-13	Q26	215,3236	-2.34	12-	4 P10	215,5590	-5.60	9- 0	P 6	215,9883	-5.04	9- 0 P19		
214,5709	-3.60	22-20	Q 2	214,9511	-1.48	14-	T R39	215,3288	-2.77	21-18	P16	215,5608	-2.12	12-	P41	215,9929	-1.51	14- 7 P39		
214,5756	-1.35	14-	7 Q27	214,9514	-2.87	22-20	G13	215,3305	-1.86	12-	4 R25	215,5660	-1.18	14-	T P40	216,0022	-2.19	20-16 R21		
214,5762	-1.80	16-10	P26	214,9515	-3.30	22-20	P11	215,3323	-1.60	14-	7 P32	215,5663	-2.95	20-16	P 5</					

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ															
216,1589	-2.06	17-11	Q 7	216,4876	-1.86	20-16	Q24	217,0118	-2.15	19-14	R13	217,4098	-1.80	13- 5	R17	217,7594	-1.60	13- 5	R28	216,1609	-2.76	17-11	P 4	216,4889	-2.16	17-11	P13	217,0125	-1.42	14-	P 8	217,4128	-4.50	10- 1	Q 3	217,7648	-1.97	13- 5	P14
-216,1666	-1.12	14- 7	Q 46	-216,4967	-1.61	12- 4	R46	-217,0202	-1.73	12- 4	P38	217,4151	-2.78	13- 5	P 3	217,7755	-1.47	13- 5	Q20	216,1714	-2.34	20-16	P17	216,4974	-2.56	15- 8	P10	217,0237	-1.52	17-11	Q26	217,4161	-1.90	13- 5	Q 7	217,7843	-3.72	10- 1	Q21
216,1716	-1.88	12- 4	P27	216,4980	-2.52	21-18	P28	-217,0264	-1.99	15- 8	R32	217,4207	-4.40	10- 1	O 4	217,7850	-2.05	19-14	P20	216,1757	-1.94	20-16	Q20	216,5162	-2.03	15- 8	O15	217,0338	-2.63	19-14	P 6	217,4209	-4.03	10- 1	R19	-217,7893	-1.65	15- 8	Q36
216,1780	-2.04	17-11	R14	216,5206	-1.84	17-11	R23	217,0343	-1.92	17-11	P22	217,4256	-1.76	19-14	Q18	217,7913	-0.24	10- 1	P14	216,1802	-2.01	17-11	Q 8	216,5210	-2.14	15- 8	R22	217,0361	-2.05	19-14	O 9	217,4299	-4.31	10- 1	Q 5	217,7935	-1.64	12- 4	P46
216,1862	-4.95	9- 0	P23	216,5214	-4.85	9- 0	P29	217,0432	-2.12	19-14	R14	217,4315	-1.78	13- 5	R18	-217,8032	-2.04	15- 8	P31	216,1867	-2.64	17-11	P 5	-216,5277	-1.80	12- 4	P32	217,0439	-2.22	15- 8	P21	217,4318	-1.85	13- 5	Q 8	217,8062	-1.59	13- 5	R29
216,1931	-2.67	15- 8	R 5	-216,5315	-1.46	14- 7	P44	-217,0507	-1.79	15- 8	Q26	217,4353	-5.35	10- 1	P 2	217,8084	-1.93	13- 5	P15	216,1939	-2.61	15- 8	R 6	216,5359	-2.52	15- 8	P11	-217,0602	-1.33	12- 4	Q45	217,4357	-1.82	17-11	P27	217,8156	-1.85	19-14	R28
216,1948	-2.74	15- 8	R 4	216,5365	-1.67	17-11	G18	217,0671	-2.01	19-14	O10	217,4369	-2.60	13- 5	P 4	217,8170	-1.45	13- 5	Q21	216,1967	-2.56	15- 8	R 7	216,5401	-2.13	17-11	P14	217,0672	-2.55	19-14	P 7	217,4382	-4.01	10- 1	R20	217,8209	-3.70	10- 1	P22
216,1989	-2.82	15- 8	R 3	216,5414	-2.00	15- 8	Q16	217,0777	-2.10	19-14	R15	-217,4394	-1.30	12- 4	O49	217,8286	-1.64	19-14	Q24	-216,1995	-1.49	14- 7	P41	216,5463	-2.12	15- 8	R23	-217,0949	-1.97	15- 8	R33								
216,2021	-2.52	15- 8	R 8	-216,5625	-1.40	12- 4	O39	-217,0961	-1.55	12- 4	R53	217,4465	-2.18	19-14	P15	-217,8361	-1.26	12- 4	Q30	216,2039	-1.96	17-11	Q 9	216,5710	-2.23	20-16	P22	217,0974	-1.50	17-11	O27	217,4497	-1.80	13- 5	Q 9	-217,8516	-1.58	13- 5	R30
216,2043	-1.65	12- 4	R42	216,5733	-1.82	17-11	R24	217,1006	-1.97	19-14	Q11	217,4531	-4.17	10- 1	Q 7	217,8539	-1.90	13- 5	P16	216,2050	-2.91	15- 8	R 2	216,5769	-2.48	15- 8	P12	217,1034	-2.48	19-14	P 8	217,4552	-1.76	13- 5	R19	217,8594	-3.68	10- 1	Q23
216,2081	-1.45	12- 4	O34	-216,5771	-1.60	12- 4	R47	217,1092	-1.90	17-11	P23	217,4556	-5.05	10- 1	P 3	217,8607	-1.43	13- 5	Q22	216,2096	-2.48	15- 8	R 9	216,5789	-1.97	15- 8	Q17	-217,1096	-1.71	12- 4	P39								
216,2108	-2.01	17-11	R15	216,5867	-4.83	9- 0	P30	217,1143	-2.19	15- 8	P22	217,4610	-2.48	13- 5	P 5	217,8713	-4.17	10- 1	P16	216,2137	-3.04	15- 8	R 1	216,5885	-1.65	17-11	O19	-217,1154	-2.07	19-14	R16								
216,2152	-2.54	17-11	P 6	216,5927	-2.09	17-11	P15	-217,1186	-1.78	15- 8	Q27	217,4678	-4.12	10- 1	O 8	-217,8828	-1.63	12- 4	P47	216,2195	-2.44	15- 8	R 10	216,5995	-2.10	15- 8	R24	217,1094	-1.93	19-14	Q12								
216,2248	-3.22	15- 8	R 0	-216,6054	-1.79	12- 4	P33	217,1430	-2.43	19-14	P 9	217,4692	-1.76	13- 5	Q10	217,8940	-1.84	19-14	R29	216,2267	-1.98	17-11	R16	216,6202	-2.44	15- 8	P13	-217,1507	-1.33	12- 4	Q46								
216,2307	-1.92	17-11	Q10	216,6282	-1.81	17-11	R25	217,1558	-2.05	19-14	R17	217,4777	-3.97	10- 1	R22	217,9017	-1.88	13- 5	P23	216,2317	-2.40	15- 8	R 11	216,6323	-1.95	15- 8	Q18	-217,1597	-1.96	15- 8	R34								
216,2384	-4.94	9- 0	P24	-216,6411	-1.39	12- 4	P40	-217,1645	-1.76	15- 8	P28	217,4807	-1.74	13- 5	P20	-217,9072	-1.62	19-14	Q25	216,2389	-1.86	12- 4	P28	216,6427	-1.63	17-11	P10	217,1648	-1.93	19-14	R23								
216,2403	-3.04	15- 8	O 1	-216,6468	-2.09	15- 8	R25	217,1817	-2.17	15- 8	P23	217,4845	-1.74	13- 5	Q19	217,9138	-4.15	10- 1	P17	216,2444	-2.32	20-16	P18	216,6493	-2.06	17-11	P16	217,1860	-2.37	19-14	P10								
216,2448	-2.82	15- 8	O 2	-216,6501	-1.45	14- 7	P45	217,1869	-1.88	17-11	P24	217,4869	-2.38	13- 5	P 6	217,9362	-3.64	10- 1	Q25	216,2463	-2.37	15- 8	R 12	-216,6567	-1.59	15- 8	R48	217,1997	-2.03	19-14	P18								
216,2465	-2.46	17-11	P 7	216,6623	-2.21	20-16	P23	-217,2014	-1.70	12- 4	P40	217,5003	-4.03	10- 1	Q 10	-217,9513	-1.55	13- 5	R32	216,2480	-1.91	20-16	Q21	216,6659	-2.40	15- 8	P14	217,2215	-1.87	19-14	Q14								
216,2510	-2.67	15- 8	O 3	216,6767	-1.93	15- 8	O19	-217,2307	-1.95	15- 8	R35	217,5034	-4.75	10- 1	P 5	217,9542	-1.39	13- 5	Q24	216,2559	-1.88	17-11	O11	-216,6854	-1.78	12- 4	P34	217,2319	-2.33	19-14	P11	217,5080	-4.25	15- 8	R16				
216,2610	-2.56	15- 8	R 4	216,6866	-1.79	17-11	R26	-217,2410	-1.75	15- 8	O29	217,5083	-1.72	13- 5	R21	-217,9706	-1.63	15- 8	Q38	216,2627	-2.55	21-18	P26	216,6991	-2.07	15- 8	R26	-217,2422	-1.32	12- 4	Q47								
216,2631	-1.96	17-11	R17	-216,6995	-2.07	15- 8	R26	217,2482	-2.01	19-14	R19	217,5147	-2.30	13- 5	P 7	-217,9776	-2.01	15- 8	P33	216,2691	-1.11	14- 7	P47	216,7139	-2.37	15- 8	P15	-217,2511	-2.37	19-14	P25								
216,2714	-3.52	15- 8	P 2	-216,7203	-1.37	12- 4	O41	217,2675	-1.84	19-14	O15	217,5257	-3.93	10- 1	R24	218,0030	-4.09	10- 1	P19	216,2724	-2.48	15- 8	R 5	216,7222	-1.90	12- 4	P25	217,2686	-2.29	19-14	P12								
216,2755	-1.64	12- 4	R43	-216,7300	-2.05	15- 8	R27	217,2983	-1.99	19-14	R20	217,5319	-1.91	13- 5	R24	218,0040	-3.73	10- 1	Q25	216,2755	-1.64	12- 4	R43	216,7309	-2.07	15- 8	R24	-217,2987	-1.67	19-14	P48								
216,2808	-2.39	17-11	P 8	216,7566	-2.19	20-16	P24	-217,3033	-1.94	15- 8	R36	217,5379	-3.90	10- 1	M 7	218,0195	-3.61	10- 1	Q27	216,2825	-2.31	15- 8	R14	216,7586	-1.59	17-11	P22	217,3036	-2.13	13- 5	R54								
216,2863	-2.40	15- 8	Q 6	216,7589	-2.01	17-11	P18	217,3039	-2.18	13- 5	R 5	217,5401	-1.65	13- 5	O13	218,0501	-4.07	10- 1	P20	216,2909	-1.48	14- 7	P42	216,8209	-1.57	17-11	Q23	217,3174	-1.81	19-14	P16								
216,2912	-1.84	17-11	Q12	216,7644	-2.34	15- 8	P16	217,3055	-2.08	13- 5	R 8	217,5428	-1.69	13- 5	P 8	218,0560	-1.36	13- 5	Q26	216,2914	-3.22	15- 8	P 3	216,7659	-1.44	17-11	R26	217,3063	-2.24	13- 5	R 5								
216,2994	-4.92	9- 0	P25	216,7716	-1.88	15- 8	Q21	217,3088	-2.14	15- 8	P24	217,5481	-1.72	19-14	Q20	218,0569	-1.80	13- 5	P20	216,2999	-1.94	17-11	R18	-216,7884	-1.76	12- 4	P34	217,3090	-2.14	15- 8	R26								
216,3026	-2.34	15- 8	Q 7	-216,7901	-2.04	15- 8	R28	217,3106	-2.30	13- 5	R 4	217,5568	-4.57	10- 1	P 7	218,0710	-2.00	15- 8	P34	216,3045	-2.29	20-16	Q22	216,8022	-1.36	12- 4	O42	217,3148	-2.00	13- 5	R10								
216,3076	-2.29	15- 8	R15	216,80176	-2.31	15- 8	P17	217,3168	-2.38	13- 5	R 3	217,5597	-3.92	10- 1	R25	218,0987	-4.05	10- 1	P21	216,3099	-1.48	14- 7	P42	216,8209	-1.57	17-11	Q23	217,3174	-1.81	19-14	P12								
216,3138	-3.04	15- 8	P 4	216,8233	-1.86	15- 8	Q 8	-217,3222	-1.73	15- 8	O22	217,5617	-4.65	10- 1	P 6	218,0031	-1.82	13- 5	Q25	216,3169	-2.34	17-11	P 9	216,8258	-1.98	17-11	R19	217,3222	-1.97	15- 8	R21								
216,3169	-2.34	17-11	P 9	216,8258	-1.98	17-11	P19	217,3224	-1.97	13- 5	R 11	217,5626	-2.12	19-14																									

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
-218.5457	-3.90	10-	1	P29	218.9088	-3.31	18-12	R 0	219.2162	-2.15	18-12	Q14	219.5687	-0.03	23-21	Q20	-219.8654	-1.46	13-	5	P43			
-218.5464	-1.24	13-	5	Q34	218.9105	-4.38	16-	9	P 4	219.2195	-1.96	21-17	Q15	219.5710	-3.40	11-	2	Q 9	219.8665	-2.26	14-	6	P 6	
218.5537	-2.86	23-21	R 4	218.9109	-3.63	16-	9	R15	219.2268	-3.78	16-	9	P13	219.5711	-2.17	18-12	R26	219.8690	-1.61	14-	6	R20		
218.5586	-3.16	23-21	O 1	218.9120	-2.44	23-21	R14	219.2311	-3.44	16-	9	R24	219.5728	-4.20	11-	2	P 4	219.8760	-2.34	23-21	P21			
218.5601	-1.65	13-	5	P28	218.9146	-2.69	23-21	P10	-219.2324	-1.36	13-	5	R50	219.5729	-1.98	18-12	Q21	219.8814	-3.56	11-	2	P14		
218.5677	-2.79	23-21	R 5	218.9159	-2.22	21-17	O 8	219.2453	-2.61	18-12	P11	219.5767	-3.30	11-	2	R22	219.8815	-1.76	21-17	Q24				
218.5690	-2.94	23-21	Q 2	-218.9197	-1.18	13-	5	Q39	219.2480	-3.29	16-	9	Q18	219.5877	-3.35	11-	2	O10	219.8823	-3.04	11-	2	Q21	
-218.5702	-1.44	13-	5	R42	218.9201	-3.63	16-	9	D 8	219.2488	-2.27	18-12	R20	219.5953	-4.07	11-	2	P 5	219.8838	-3.50	16-	9	P24	
-218.5809	-1.94	15-	8	P39	218.9211	-2.30	21-17	R12	219.2507	-2.13	21-17	R19	219.5993	-2.03	21-17	R24	219.8947	-3.09	16-	9	Q29			
218.5833	-2.79	23-21	Q 3	218.9214	-2.57	18-12	R 9	219.2584	-2.12	18-12	O15	219.6026	-3.28	11-	2	R23	219.8951	-2.18	14-	6	P 7			
218.5867	-2.74	23-21	R 6	218.9242	-3.14	18-12	O 1	-219.2605	-1.14	13-	5	Q43	219.6060	-3.32	11-	2	Q11	219.8990	-1.60	14-	6	R21		
-218.5872	-1.58	12-	4	P53	218.9280	-2.24	23-21	R12	219.2617	-2.37	21-17	P13	219.6093	-2.22	21-17	P18	219.9001	-1.56	14-	6	G12			
218.5877	-3.64	23-21	P 2	218.9290	-2.75	21-17	P 6	219.2741	-3.74	16-	9	P14	219.6099	-3.58	16-	9	P20	219.9095	-2.11	14-	6	P 8		
218.5963	-3.89	10-	1	P30	218.9296	-2.91	18-12	O 2	219.2767	-2.49	23-21	P15	-219.6211	-1.33	13-	5	R54	219.9134	-2.29	18-12	P22			
218.5971	-1.88	19-14	P29	218.9357	-4.26	16-	9	P 5	219.2767	-3.22	23-21	R19	219.6212	-3.98	11-	2	P 6	219.9194	-1.89	18-12	Q26			
218.6025	-2.69	23-21	Q 4	218.9365	-3.60	16-	9	R16	219.2784	-1.93	21-17	Q16	-219.6234	-3.34	16-	9	R31	219.9196	-3.02	11-	2	Q22		
218.6099	-2.69	23-21	R 7	218.9368	-2.53	18-12	R10	219.2791	-3.43	16-	9	R25	219.6249	-3.15	16-	9	O25	219.9215	-3.53	11-	2	P15		
218.6126	-3.34	23-21	P 3	218.9380	-2.77	18-12	O 3	-219.2802	-1.52	13-	5	P37	219.6258	-3.28	11-	2	Q12	219.9279	-1.49	14-	6	Q14		
-218.6197	-1.23	13-	5	Q35	218.9419	-3.58	16-	9	O 9	219.2902	-2.10	23-21	Q17	219.6264	-1.82	21-17	Q21	219.9315	-1.58	14-	6	R22		
218.6263	-2.60	23-21	Q 5	218.9482	-2.17	21-17	Q 9	219.2917	-2.57	18-12	P12	219.6299	-2.38	18-12	P18	219.9363	-1.53	14-	6	Q13				
218.6332	-1.63	13-	5	P29	218.9493	-2.66	18-12	O 4	219.2942	-3.27	16-	9	Q19	219.6355	-1.96	18-12	Q22	219.9399	-1.31	13-	5	R57		
218.6381	-2.64	23-21	R 8	218.9512	-1.58	13-	P33	219.2959	-2.25	18-12	R21	-219.6391	-1.10	13-	5	Q47	219.9422	-1.08	13-	5	P50			
218.6415	-3.16	23-21	P 4	218.9550	-2.50	18-12	R11	219.3034	-2.09	16-	9	Q16	219.6392	-2.15	18-12	R27	219.9547	-2.05	14-	6	P 9			
-218.6465	-1.43	13-	5	R43	218.9550	-3.61	18-12	P 2	219.3127	-2.11	21-17	R20	219.6397	-3.26	11-	2	R24	219.9559	-2.13	21-17	P22			
218.6549	-2.53	23-21	Q 6	218.9575	-2.27	21-17	R13	219.3240	-2.34	21-17	P14	219.6429	-3.25	11-	2	R25	219.9585	-3.48	16-	9	P25			
218.66719	-2.60	23-21	R 9	218.9635	-2.57	18-12	O 5	219.3240	-3.71	16-	9	P15	219.6477	-3.25	11-	2	Q13	219.9587	-3.00	11-	2	Q23		
218.6728	-3.87	10-	1	P31	218.9637	-3.18	16-	9	P 6	219.3270	-1.36	13-	5	R51	219.6477	-3.90	11-	2	P 7	219.9634	-3.50	11-	2	P16
-218.6881	-1.22	13-	5	Q36	218.9659	-3.54	16-	9	O10	219.3401	-1.91	21-17	Q17	219.6608	-1.81	14-	6	R12	219.9695	-1.45	13-	5	P44	
218.6884	-2.46	23-21	Q 7	218.9661	-2.67	21-17	P 7	219.3402	-2.53	18-12	P13	-219.6624	-1.48	13-	5	P41	219.9698	-3.07	16-	9	Q30			
218.7039	-1.87	19-14	P30	-218.9682	-1.39	13-	M 47	219.3431	-3.21	16-	9	Q20	219.6664	-2.05	14-	6	R 6	219.9725	-1.47	14-	6	Q15		
-218.7041	-1.57	12-	4	P54	218.9745	-2.41	23-21	R15	219.3461	-2.23	18-12	R22	219.6711	-3.21	11-	2	Q14	219.9733	-1.74	21-17	Q25			
218.7064	-1.62	13-	5	P50	218.9758	-3.31	18-12	R 3	219.3516	-2.07	18-12	Q17	219.6746	-3.56	16-	9	P21	219.9844	-1.67	18-12	Q27			
218.7104	-2.56	23-21	R10	218.9762	-2.47	18-12	R12	-219.3537	-1.13	13-	5	P44	219.6760	-3.23	11-	2	R26	219.9916	-2.27	18-12	P23			
218.7136	-2.94	23-21	P 6	218.9776	-2.64	23-21	P11	219.3640	-2.46	23-21	P16	219.6766	-3.83	11-	2	P 8	219.9920	-2.00	14-	6	P10			
-218.7221	-1.42	13-	5	R44	218.9801	-2.50	18-12	O 6	-219.3731	-1.51	13-	5	P38	219.6792	-2.00	14-	6	R 7	219.9934	-2.89	20-15	R 3		
218.7263	-2.41	23-21	Q 8	218.9826	-2.13	21-17	O10	219.3763	-3.68	16-	9	P16	219.6814	-2.02	21-17	R25	219.9957	-1.44	14-	6	O16			
218.7534	-2.53	23-21	R11	218.9905	-2.21	23-21	O13	219.3778	-2.07	23-21	Q18	219.6839	-1.96	14-	6	R 8	219.9961	-2.81	20-15	R 4				
218.7568	-2.86	23-21	P 7	218.9928	-3.50	16-	9	Q11	219.3786	-2.09	21-17	R21	219.6864	-2.11	14-	6	R 5	219.9961	-2.99	20-15	R 2			
-218.7595	-1.21	13-	5	Q37	218.9938	-4.08	16-	9	P 7	219.3838	-3.40	16-	9	R27	219.6882	-2.18	14-	6	R 4	219.9993	-2.99	11-	2	Q24
218.7617	-2.85	21-17	R 2	218.9951	-3.56	16-	9	R18	219.3903	-2.30	21-17	P15	219.6887	-3.13	16-	9	Q26	220.0006	-3.11	20-15	R 1			
218.7620	-2.75	21-17	R 3	218.9958	-2.25	21-17	R14	219.3929	-2.50	18-12	P14	-219.6906	-3.33	16-	9	R32	220.0026	-1.54	14-	6	R24			
218.7651	-2.67	21-17	R 4	218.9997	-3.14	18-12	P 4	219.3944	-3.23	16-	9	Q21	219.6909	-1.92	14-	6	R 9	220.0034	-2.75	20-15	R 5			
218.7672	-2.97	21-17	R 1	218.9998	-2.44	18-12	O 7	219.3973	-2.42	21-17	R23	219.6909	-2.19	21-17	P19	220.0039	-2.69	20-15	R 6					
218.7690	-2.36	23-21	Q 9	219.0003	-2.44	18-12	R13	219.4019	-2.04	18-12	Q18	219.6924	-2.26	14-	6	R 3	220.0067	-3.47	11-	2	P17			
218.7724	-2.60	21-17	R 5	-219.0015	-1.17	13-	5	Q40	219.4067	-1.88	21-17	Q18	219.6957	-2.36	18-12	P19	220.0086	-3.29	20-15	R 0				
218.7742	-3.15	21-17	R 0	219.0057	-2.60	21-17	P 8	219.4120	-3.68	11-	2	R 8	219.6963	-3.19	11-	2	Q15	220.0160	-2.64	20-15	R 7			
218.7821	-2.55	21-17	R 6	219.0219	-3.46	16-	9	O12	219.4210	-3.64	11-	2	R 9	219.6974	-1.78	14-	6	R13	220.0238	-3.11	20-15	Q 1		
218.7855	-1.60	13-	5	P31	219.0224	-2.38	18-12	O 8	-219.4213	-1.35	13-	5	R52	219.6999	-1.88	14-	6	R10	220.0308	-2.59	20-15	R 8		
218.7890	-2.97	21-17	Q 1	219.0240	-2.09	21-17	Q11	219.4227	-3.60	11-	2	R10	219.7001	-2.36	14-	6	R 2	220.0310	-2.89	20-15	Q 2			
218.7895	-4.01	16-	9	R 8	219.0264	-3.01	18-12	P 5	219.4229	-3.72	11-	2	R 7	219.7012	-1.94	18-12	Q23	220.0311	-1.96	14-	6	P11		
218.8003	-4.26	16-	9	R 2	219.0474	-2.33	18-12	O 9	219.4378	-3.50	11-	2	R 13	219.7228	-2.00	14-	6	Q 4	220.0488	-2.55	20-15	R 9		
-218.8008	-1.41	13-	5	R45	219.0501	-2.55	21-17	P 9	-219.4444	-1.12	13-	5	Q45	-219.7229	-1.32	13-								

Table 7. (Cont.)

WAVE	LOGFF	VX	VA	XJ	WAVE	LOGFF	VX	VA	XJ	WAVE	LOGFF	VX	VA	XJ	WAVE	LOGFF	VX	VA	XJ
220,2023	-3.27	24,-23	R 1	-220,6227	-1.03	13 - 5	056	221,5278	-2.93	17-10	R10	221,8675	-2.71	12 - 3	R26	222,1722	-2,-45	15 - 7	R 1
220,2047	-3.45	24,-23	R 0	-220,6227	-2.15	18-12	P30	221,5376	-3.54	17-10	O 1	221,8676	-3.26	12 - 3	P 9	222,1744	-2,-65	23-0	G 6
220,2073	-2.91	11 - 2	Q29	-220,6239	-2.39	24-23	Q11	221,5424	-3.31	17-10	O 2	221,8700	-4.14	19-13	R 8	222,1757	-2,-72	23-0	R 9
220,2084	-3.15	24,-23	R 2	-220,6291	-1.61	14 - 6	P23	221,5427	-2.90	17-10	R11	221,8710	-2.63	17-10	R22	222,1785	-2,-96	12 - 3	P17
220,2092	-1.32	14 - 6	Q21	-220,6392	-2.80	24-23	P10	-221,5455	-1.33	13 - 5	P57	221,8799	-4.66	19-13	O 1	222,1806	-2,-36	17-10	Q22
-220,2110	-3.03	16 - 9	Q33	-220,6410	-1.19	14 - 6	Q29	-221,5496	-1.43	14 - 6	P35	221,8839	-4.10	19-13	R 9	222,1820	-2,-47	12 - 3	Q24
-220,2172	-1.47	14 - 6	R29	-220,6410	-2.19	20-15	R23	221,5503	-3.17	17-10	O 3	221,8845	-2.50	17-10	Q16	222,1840	-2,-63	15 - 7	R 0
220,2193	-3.27	24,-23	Q 1	-220,6429	-2.00	20-15	Q19	-221,5511	-1.04	14 - 6	Q41	221,8855	-4.44	19-13	Q 2	222,1840	-1,-78	15 - 7	R12
220,2215	-2.36	20-15	R15	-220,6484	-1.39	13 - 5	P50	-221,5515	-1.26	14 - 6	R48	221,8919	-2.64	12 - 3	Q16	222,1886	-3,-68	19-13	Q14
220,2235	-3.05	24,-23	3	-220,6505	-3.35	16 - 9	P33	221,5603	-3.06	17-10	O 4	221,8949	-4.30	19-13	Q 3	222,1891	-3,-82	19-13	R19
220,2258	-2.97	24,-23	R 4	-220,6571	-2.41	20-15	P16	221,5604	-2.87	17-10	R12	221,8951	-2.97	17-10	P12	222,1901	-2,-54	17-10	R28
220,2274	-1.78	14 - 6	P16	-220,6595	-3.23	11 - 2	P29	221,5695	-6.01	17-10	P 2	221,9004	-3.21	12 - 3	P10	222,1980	-1,-75	15 - 7	R13
220,2314	-3.05	24,-23	Q 2	-220,6637	-2.57	24-23	R13	221,5729	-2.97	17-10	Q 5	221,9005	-2.70	12 - 3	R27	222,2001	-3,-16	23-0	P 5
220,2325	-2.75	20-15	P 8	-220,6762	-1.37	16 - 6	R37	221,5761	-2.49	24-23	P19	221,9010	-4.06	19-13	R10	222,2004	-2,-45	15 - 7	Q 1
220,2348	-2.23	20-15	Q11	-220,6942	-1.60	14 -	P24	221,5805	-3.16	12 - 3	R 8	221,9067	-4.19	19-13	Q 4	222,2050	-2,-23	15 - 7	Q 2
220,2401	-2.22	18-12	P26	-220,6983	-1.17	14 - 6	Q30	221,5811	-2.84	17-10	R13	221,9112	-5.14	19-13	P 2	222,2056	-2,-58	23-20	Q 7
220,2485	-3.75	24-23	P 2	-220,6989	-2.35	24-23	Q12	221,5814	-3.21	12 - 3	R 7	221,9177	-2.62	17-10	R23	222,2098	-2,-68	23-20	R10
220,2503	-3.35	11 - 2	P22	-220,7086	-2.18	20-15	R24	221,5818	-3.12	12 - 3	R 9	221,9207	-4.03	19-13	R11	222,2113	-2,-78	17-10	P18
220,2523	-2.90	24-23	Q 3	-220,7091	-1.98	20-15	Q20	221,5836	-3.08	12 - 3	R10	221,9217	-4.10	19-13	D 5	222,2115	-2,-08	15 - 7	Q 3
220,2554	-1.30	14 - 6	Q22	-220,7164	-2.75	24-23	P11	221,5842	-3.26	12 - 3	R 6	221,9218	-2.62	12 - 3	Q17	222,2131	-4,-14	19-13	P11
220,2564	-2.07	21-17	P25	-220,7252	-2.39	20-15	P17	221,5878	-3.05	12 - 3	R11	-221,9265	-1.00	14 - 6	Q45	222,2146	-1,-72	15 - 7	R14
220,2572	-2.90	24-23	R 5	-220,7261	-2.31	21 - 11	P30	221,5881	-2.90	17-10	Q 6	-221,9283	-1.38	14 - 6	P39	222,2202	-1,-97	15 - 7	Q 4
220,2614	-2.33	20-15	R16	-220,7429	-1.36	14 - 6	R38	221,5887	-3.32	12 - 3	R 5	221,9305	-2.47	17-10	Q17	222,2253	-2,-93	12 - 3	P18
-220,2665	-1.45	14 - 6	R30	-220,7454	-2.55	24-23	R14	221,5903	-3.71	17-10	P 3	221,9325	-4.84	19-13	P 3	222,2265	-2,-45	12 - 3	Q25
220,2669	-2.89	11 - 2	Q30	-220,7457	-1.02	13 - 5	Q57	221,5938	-3.01	12 - 3	R12	221,9353	-3.16	12 - 3	P11	222,2315	-1,-89	15 - 7	Q 5
-220,2725	-1.05	13 - 5	Q53	-220,7496	-3.34	16 - 9	P34	221,5951	-3.38	12 - 3	R 4	221,9365	-2.68	12 - 3	R28	222,2332	-2,-93	15 - 7	P 2
220,2749	-2.19	20-15	Q12	-220,7609	-1.58	14 - 6	P25	221,6019	-2.98	12 - 3	R13	-221,9376	-1.22	14 - 6	R52	222,2334	-1,-70	15 - 7	R15
220,2752	-2.69	20-15	P 9	-220,7676	-1.16	14 - 6	Q31	221,6033	-3.46	12 - 3	R 3	221,9394	-4.03	19-13	Q 6	222,2338	-3,-65	19-13	Q15
220,2752	-2.45	24-23	P 3	-220,7703	-1.38	13 - 5	P51	221,6059	-2.84	17-10	Q 7	221,9401	-2.45	17-10	Q18	222,2363	-1,-34	14 -	P42
-220,2780	-1.29	13 - 5	R60	-220,7790	-1.96	20-15	Q21	221,6070	-2.81	17-10	R14	221,9420	-2.93	17-10	P13	222,2365	-3,-80	19-13	R20
220,2812	-1.75	14 - 6	P17	-220,7804	-2.32	24-23	R13	221,6112	-2.96	12 - 3	R14	221,9438	-4.00	19-13	R12	222,2373	-0.97	14 - 6	Q48
220,2819	-2.80	24-23	O 4	-220,7858	-2.36	20-15	P18	221,6127	-3.56	12 - 3	R 2	221,9533	-2.59	12 - 3	Q18	222,2374	-2,-34	17-10	Q23
220,2835	-3.41	16 - 9	P29	-220,7958	-3.20	11 - 2	P31	221,6142	-3.54	17-10	P 4	221,9575	-4.66	19-13	P 4	222,2380	-3,-06	23-0	P 6
220,2865	-2.85	24-23	R 6	-220,7995	-2.71	24-23	P12	221,6203	-2.78	17-10	R15	221,9604	-3.97	19-13	O 7	222,2412	-2,-53	23-0	Q 8
-220,2975	-1.42	13 - 5	P47	-220,8117	-1.34	14 - 6	R39	221,6228	-2.93	12 - 3	R15	221,9674	-2.60	17-10	R24	222,2444	-1,-81	15 - 7	O 6
220,2987	-2.71	24-23	R 5	-220,8303	-1.56	14 - 6	P26	221,6246	-3.68	12 - 3	R 1	221,9674	-1.31	13 - 5	P60	222,2484	-2,-65	23-20	R11
220,3042	-1.29	14 - 6	Q23	-220,8312	-2.52	24-23	R15	221,6264	-2.78	17-10	Q 8	221,9692	-3.97	19-13	R13	222,2503	-2,-52	17-10	R29
220,3045	-3.33	11 - 2	P23	-220,8371	-1.14	14 - 6	Q32	221,6359	-2.91	12 - 3	R16	221,9706	-2.67	12 - 3	R29	222,2542	-2,-63	15 - 7	P 3
220,3056	-2.31	20-15	R17	-220,8517	-1.94	20-15	Q22	221,6375	-3.86	12 - 3	R 0	221,9708	-3.02	12 - 3	R12	222,2543	-1,-67	15 - 7	R16
220,3107	-3.27	24-23	P 4	-220,8580	-3.19	11 - 2	P32	221,6401	-3.41	17-10	P 5	221,9840	-3.91	19-13	Q 8	222,2580	-1,-20	14 - 6	R55
-220,3181	-1.44	14 - 6	R31	-220,8686	-2.29	24-23	P14	-221,6409	-1.41	14 - 6	P36	221,9851	-4.54	19-13	P 5	222,2596	-1,-75	15 - 7	Q 7
220,3185	-2.16	20-15	Q13	-220,8707	-2.33	20-15	P19	-221,6418	-1.03	14 - 6	O42	221,9871	-5.57	12 - 3	Q19	222,2616	-4,-10	19-13	P12
220,3205	-2.64	20-15	P10	-220,8723	-1.01	13 - 5	Q58	-221,6433	-1.25	14 - 6	R49	221,9917	-2.90	17-10	P14	222,2647	-1,-29	13 - 5	P62
220,3216	-2.80	24-23	R 7	-220,8859	-1.33	14 - 6	R40	221,6494	-2.73	17-10	Q 7	221,9987	-3.94	19-13	R14	222,2689	-3,-18	22-18	R 3
220,3229	-2.88	11 - 2	Q31	-220,8892	-2.67	24-23	P13	221,6505	-2.88	12 - 3	R17	222,0087	-3.08	12 - 3	P13	222,2725	-2,-64	12 - 3	Q26
220,3320	-2.20	18-12	P27	-220,8917	-1.37	13 - 5	P52	221,6520	-2.76	17-10	R16	222,0110	-3.86	19-13	Q 9	222,2736	-2,-91	12 - 3	P19
220,3352	-1.73	14 - 6	P18	-220,9011	-1.54	14 - 6	P27	221,6544	-3.68	12 - 3	Q 1	222,0157	-4.54	19-13	R15	222,2764	-3,-28	22-18	R 2
220,3448	-2.64	24-23	Q 6	-220,9069	-1.13	14 - 6	Q33	221,6583	-3.46	12 - 3	Q 2	222,0157	-4.44	19-13	P 6	222,2765	-3,-10	22-18	R 4
220,3530	-2.29	20-15	R18	-220,9256	-2.49	24-23	R16	221,6632	-3.32	12 - 3	Q 3	222,0194	-2.58	17-10	R25	222,2771	-2,-45	15 - 7	P 4
220,3546	-1.27	14 - 6	Q24	-220,9280	-1.92	20-15	Q23	221,6675	-2.86	12 - 3	R18	222,0223	-2.55	12 - 3	Q20	222,2771	-1,-37	14 - 6	P40
220,3548	-3.15	24-23	P 5	-220,9302	-3.17	11 - 2	P33	221,6687	-3.31	17-10	P 6	222,0227	-1.37	14 - 6	P40	222,2771	-1,-31	15 - 7	Q 8
-220,3725	-1.43	14 - 6	R32	-220,9952	-1.00	13 - 5	Q59	221,6880	-4.16	12 - 3	P 2	222,0493	-4.36	19-13	P 7	222,2854	-3,-04	22-18	R 5
220,3783	-2.86	11 - 2	Q32	-221,0077	-1.90	20-15	P24	221,6896	-3.05	12 - 3	Q 6	222,0595	-2.53	12 - 3	Q21	222,2866	-3,-58	22-18	R 0
220,3863	-3.05	24-23	P 6	-221,0190	-1.36	13 - 5	P53	221,6959	-3.24	17-10	P 7	222,0627	-3.16	23-20	R 2	222,2915	-2,-61	23-20	P

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
222,3971	-1.50	15-	7	Q13	222,7750	-0.72	15-	7	P17	223,3498	-3.73	19-	13	P27	223,9532	-3.46	13-	4	P3	-224,4910	-1.35	15-	7	P39
222,4041	-2.71	22-	18	Q 7	222,7755	-2.61	23-	20	P15	223,3513	-4.48	21-	16	P 3	-223,9549	-1.25	15-	7	R46	224,4922	-2.07	18-	11	Q10
222,4058	-3.28	22-	18	P 5	222,7835	-2.62	17-	10	P26	223,3528	-3.70	21-	16	R10	223,9570	-3.19	21-	16	Q19	224,5044	-2.05	13-	4	Q25
222,4130	-2.71	17-	10	P21	-222,7859	-1.42	15-	7	R30	-223,3656	-1.12	15-	7	Q32	223,9611	-3.61	21-	16	P16	224,5099	-2.12	18-	11	R17
222,4152	-2.77	22-	18	R11	222,7941	-1.73	12-	3	P28	-223,3656	-1.32	15-	7	R39	223,9651	-2.53	13-	4	Q 8	224,5141	-2.62	18-	11	P 7
-222,4166	-1.29	13-	5	P63	222,7959	-2.80	22-	18	P13	223,3677	-3.67	21-	16	Q 6	-223,9653	-1.22	14-	6	P56	-224,5163	-0.97	15-	7	Q45
222,4202	-2.39	12-	3	Q29	-222,7992	-0.93	14-	6	O53	223,3713	-2.43	22-	18	R26	223,9710	-2.48	22-	18	P26	224,5175	-2.03	18-	11	Q11
222,4241	-4.00	19-	13	P15	-222,8005	-1.29	14-	6	P47	223,3755	-2.21	22-	18	Q23	223,9716	-2.41	13-	4	R20	-224,5371	-2.19	13-	4	R35
222,4248	-2.03	15-	7	P 9	222,8044	-1.26	15-	7	Q23	223,3780	-4.31	21-	16	P 4	223,9730	-3.38	21-	16	R23	224,5384	-3.44	21-	16	P23
222,4273	-1.55	15-	7	R22	222,8110	-1.56	22-	18	R19	223,3793	-3.67	21-	16	R11	223,9759	-3.28	13-	4	P 4	224,5402	-2.50	13-	4	P19
222,4275	-1.47	15-	7	Q14	-222,8158	-0.21	17-	10	Q31	223,3921	-3.61	21-	16	Q 7	223,9814	-2.48	13-	4	Q 9	224,5464	-2.09	18-	11	R18
222,4287	-2.36	23-	20	Q12	222,8253	-2.36	22-	18	O16	223,4070	-4.18	21-	16	P 5	223,9959	-2.40	13-	4	R21	224,5492	-2.55	18-	11	P 8
222,4306	-2.84	12-	3	P22	222,8287	-1.70	15-	7	P18	223,4092	-3.64	21-	16	R12	-223,9994	-1.41	15-	7	P34	224,5533	-2.03	13-	4	Q26
222,4317	-2.81	23-	20	P10	222,8329	-3.84	19-	13	P21	-223,4199	-1.25	14-	6	P52	224,0006	-2.43	13-	4	Q10	224,5535	-2.00	18-	11	Q12
222,4348	-2.29	17-	10	Q26	-222,8438	-1.41	15-	7	R31	223,4200	-3.55	21-	16	Q 8	224,0008	-3.15	13-	4	P 5	224,5563	-6.15	10-	0	R 9
222,4355	-6.55	22-	18	Q 8	222,8474	-0.19	23-	20	Q18	223,4207	-1.51	15-	7	P27	224,0211	-2.40	13-	4	O11	224,5630	-6.12	10-	0	R10
222,4427	-3.55	19-	13	Q19	222,8497	-3.43	19-	13	O25	-223,4268	-2.51	17-	10	P33	-224,0229	-1.02	15-	7	Q40	224,5670	-6.08	10-	0	R11
222,4438	-3.18	22-	18	P 6	222,8574	-1.24	15-	7	D24	223,4369	-2.58	22-	18	P21	224,0231	-2.38	13-	4	R22	224,5693	-5.94	10-	0	R16
222,4485	-2.53	23-	20	R15	222,8581	-2.58	23-	20	P16	223,4397	-4.08	21-	16	P 6	224,0274	-3.17	21-	16	Q20	224,5713	-6.05	10-	0	R12
222,4514	-2.74	22-	18	R12	222,8607	-0.71	12-	3	P29	223,4426	-3.61	21-	16	R13	224,0275	-3.06	13-	4	P 6	224,5771	-6.02	10-	0	R13
-222,4552	-1.32	14-	6	P44	222,8627	-0.77	22-	18	P14	-223,4431	-1.10	15-	7	Q33	224,0328	-3.58	21-	16	P17	-224,5777	-1.34	15-	7	P40
-222,4572	-0.95	14-	6	Q50	222,8676	-2.60	17-	10	P27	-223,4444	-1.31	15-	7	R40	224,0425	-2.36	13-	4	D12	224,5850	-2.07	18-	11	R19
222,4572	-3.73	19-	13	R24	222,8787	-2.54	22-	18	R20	223,4492	-3.71	19-	13	P28	224,0500	-2.36	13-	4	R23	224,5866	-5.92	10-	0	R17
-222,4592	-2.48	17-	10	R32	222,8846	-0.67	15-	7	P19	223,4515	-3.50	21-	16	Q 9	224,0559	-2.98	13-	4	P 7	224,5869	-5.99	10-	0	R14
222,4605	-1.44	15-	7	Q15	222,8923	-0.34	22-	18	O17	223,4716	-2.19	22-	18	Q24	224,0678	-2.33	13-	4	O13	224,5870	-2.49	18-	11	P 9
222,4606	-0.97	15-	7	P10	-222,8945	-0.20	17-	10	Q32	223,4746	-4.00	21-	16	P 7	224,0798	-2.34	13-	4	R24	224,5899	-1.96	18-	11	Q13
222,4639	-1.53	15-	7	R23	-222,8974	-1.40	15-	7	R32	223,4792	-3.58	21-	16	R14	224,0858	-2.91	13-	4	P 8	224,5910	-2.18	13-	4	R36
222,4696	-2.60	22-	18	Q 9	222,9119	-3.82	19-	13	P22	223,4858	-3.46	21-	16	Q10	224,0895	-2.47	22-	18	P27	224,5927	-2.48	13-	4	P20
222,4750	-2.38	12-	3	Q30	222,9132	-1.22	15-	7	O25	223,4913	-1.50	15-	7	P28	224,0934	-2.29	13-	4	Q14	224,5954	-6.24	10-	0	R 7
222,4827	-2.69	17-	10	P22	-222,9173	-1.29	14-	6	P48	-223,5145	-1.09	15-	7	Q34	-224,0940	-1.40	15-	7	P35	224,5959	-6.29	10-	0	R 6
222,4832	-3.10	22-	18	P 7	-222,9244	-0.92	14-	6	O54	223,5163	-3.94	21-	16	P 8	224,1013	-3.15	21-	16	Q21	224,6004	-6.35	10-	0	R 5
222,4850	-3.97	19-	13	P16	222,9244	-3.42	19-	13	O26	223,5196	-3.55	21-	16	R15	-224,1032	-1.21	14-	6	P57	224,6009	-5.89	10-	0	R18
222,4864	-2.82	12-	3	P23	222,9305	-2.70	12-	3	P30	223,5235	-3.42	21-	16	Q11	224,1040	-3.55	21-	16	P18	224,6037	-6.19	10-	0	R 8
222,4868	-2.33	23-	20	Q13	222,9327	-2.74	22-	18	P15	-223,5305	-1.29	15-	7	R41	224,1116	-2.33	13-	4	R25	224,6040	-2.02	13-	4	Q27
222,4908	-2.71	22-	18	R13	222,9332	-0.17	23-	20	Q19	-223,5334	-2.50	17-	10	P34	224,1182	-2.85	13-	4	P 9	224,6044	-5.96	10-	0	R15
222,4912	-2.76	23-	20	P11	222,9431	-1.65	15-	7	P20	-223,5355	-2.56	22-	18	P22	-224,1193	-1.01	15-	7	Q41	224,6084	-6.42	10-	0	R 4
222,4957	-1.41	15-	7	Q16	222,9453	-2.56	23-	20	P17	-223,5542	-1.24	14-	6	P53	224,1220	-2.27	13-	4	O15	224,6150	-5.87	10-	0	R19
222,4991	-1.93	15-	7	P11	222,9505	-2.52	22-	18	R21	223,5598	-3.88	21-	16	P 9	224,1454	-2.31	13-	4	R26	224,6177	-6.50	10-	0	R 3
222,5028	-3.53	19-	13	Q20	222,9552	-2.58	17-	10	P28	223,5635	-3.53	21-	16	R16	224,1515	-2.24	13-	4	Q16	-224,6255	-0.96	15-	7	Q46
222,5032	-1.51	15-	7	R24	-222,9590	-1.38	15-	7	R33	223,5656	-3.38	21-	16	Q12	224,1516	-2.80	13-	4	P10	224,6258	-2.05	18-	11	R20
222,5062	-2.27	17-	10	Q27	222,9627	-0.31	22-	18	O18	223,5720	-1.48	15-	7	P29	224,1796	-3.13	21-	16	Q22	224,6273	-2.44	18-	11	P10
222,5087	-2.56	22-	18	Q10	-222,9706	-1.20	15-	7	O26	223,5726	-2.17	22-	18	O25	224,1807	-2.29	13-	4	R27	224,6276	-1.93	18-	11	Q14
222,5098	-2.51	23-	20	R16	-222,9838	-2.19	17-	10	Q33	-223,5951	-1.08	15-	7	O35	224,1832	-2.21	13-	4	Q17	224,6291	-6.59	10-	0	R 2
222,5162	-3.71	19-	13	R25	222,9918	-3.80	19-	13	P23	-223,6018	-1.28	15-	7	R42	224,1867	-3.53	21-	16	P19	224,6295	-5.85	10-	0	R20
-222,5311	-2.47	17-	10	R33	-223,0037	-1.63	15-	7	P21	223,6110	-3.50	21-	16	R17	-224,1928	-1.38	15-	7	P36	224,6418	-6.72	10-	0	R 1
222,5330	-1.38	15-	7	Q17	223,0067	-0.71	22-	18	P16	223,6111	-3.35	21-	16	Q13	224,2138	-2.45	22-	18	P28	224,6454	-5.83	10-	0	R21
222,5342	-2.68	22-	18	P14	223,0079	-3.40	19-	13	Q27	-223,6376	-2.48	17-	10	P35	224,2166	-2.19	13-	4	O18	-224,6467	-2.17	13-	4	R37
222,5394	-1.89	15-	7	P12	223,0243	-2.15	23-	20	Q20	223,6381	-2.54	22-	18	P23	224,2187	-2.28	13-	4	R28	224,6672	-2.46	13-	4	P21
222,5435	-2.67	17-	10	P23	223,0244	-2.50	22-	18	R22	-223,6511	-1.47	15-	7	P30	224,2253	-2.72	13-	4	P12	224,6693	-2.00	13-	4	Q28
222,5442	-2.80	12-	3	P24	-223,0246	-1.37	15-	7																

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ					
224,7947	-1.81	16-	8	R14	225,0890	-6.05	10-	0	P15	225,5639	-2.37	20-14	O19	-226,216	-1.55	16-	8	P30	226,6787	-5.69	11- 1	Q 1		
224,7997	-1.97	16-	8	O5	225,0894	-1.72	18-11	Q23	-225,5808	-1.29	16-	8	Q26	226,2737	-6.40	24-21	P 2	226,6802	-4.83	11- 1	R20			
224,8002	-5.72	10-	0	R28	-225,0938	-2.09	13-	4	R44	-225,5912	-1.47	16-	8	R33	226,2759	-3.44	14- 5	P 2	226,6802	-5.40	24-21	P11		
224,8007	-3.01	16-	8	P 2	-225,1025	-1.60	16-	8	R24	-225,5954	-2.55	20-14	R24	226,2802	-2.33	14- 5	Q 6	226,6825	-5.47	11- 1	Q 2			
224,8007	-5.73	10-	0	O14	-225,1043	-2.76	20-14	R14	-225,5988	-2.79	20-14	P16	226,2849	-2.14	14- 5	R18	-226,6870	-1.94	14- 5	R30				
224,8015	-1.83	18-11	Q18	-225,1044	-5.50	10-	0	Q24	-225,6006	-1.71	16-	8	P21	226,2883	-5.45	24-21	Q 4	226,6892	-5.32	11- 1	Q 3			
224,8026	-0.50	10-	0	P 6	-225,1064	-1.47	16-	8	Q17	-225,6021	-5.80	10-	0	P26	226,2931	-5.45	24-21	R 7	226,6896	-4.97	24-21	Q13		
-224,8117	-1.32	15-	7	P42	-225,1073	-2.68	20-14	Q 9	-225,6032	-1.83	13-	4	O42	226,2937	-2.27	14- 5	Q 7	226,6916	-1.81	14- 5	Q21			
224,8136	-1.90	16-	8	O 6	-225,1091	-3.26	20-14	P 6	-225,6288	-2.35	20-14	O20	226,2966	-3.14	14- 5	P 3	226,6966	-4.81	11- 1	R21				
224,8158	-1.78	16-	8	R15	-225,1099	-2.14	18-11	P19	-225,6369	-2.23	13-	4	P35	226,2999	-6.10	24-21	P 3	226,6972	-5.21	11- 1	Q 4			
224,8170	-2.28	18-11	P14	-225,1175	-1.97	16-	8	P12	-225,6465	-2.00	18-11	P26	226,3071	-2.12	14- 5	R19	226,7023	-2.30	14- 5	P15				
224,8184	-1.98	18-11	R24	-225,1340	-6.02	10-	0	P16	-225,6494	-1.27	16-	8	O27	226,3093	-2.21	14- 5	Q 8	226,7063	-5.13	11- 1	Q 5			
224,8206	-5.80	10-	0	O12	-225,1388	-2.73	20-14	R15	-225,6498	-2.03	13-	4	R51	226,3130	-5.36	24-21	Q 5	226,7142	-6.17	11- 1	P 2			
224,8218	-2.71	16-	8	P 3	-225,1388	-2.64	20-14	Q10	-225,6551	-1.46	16-	8	R34	226,3147	-2.58	20-14	P25	226,7146	-3.38	22-17	R 3			
224,8227	-2.40	13-	4	P24	-225,1425	-5.49	10-	0	Q25	-225,6604	-5.78	10-	0	P27	226,3195	-2.97	14- 5	P 4	226,7148	-3.48	22-17	R 2		
-224,8242	-2.13	13-	4	R40	-225,1438	-3.19	20-14	P 7	-225,6628	-2.53	20-14	R25	226,3218	-5.40	24-21	R 8	226,7156	-4.79	11- 1	R22				
-224,8269	-1.96	13-	4	O31	-225,1481	-2.08	13-	4	R45	-225,6653	-2.76	20-14	P17	-226,3223	-1.15	16-	8	Q36	226,7170	-2.52	20-14	P29		
224,8285	-5.70	10-	0	O15	-225,1492	-1.58	16-	8	R25	-225,6670	-1.69	16-	8	P22	226,3271	-2.16	14- 5	O 9	226,7172	-3.30	22-17	R 4		
224,8299	-6.42	10-	0	P 7	-225,1508	-2.83	21-	3	P29	-225,6880	-1.82	13-	4	Q43	-226,3280	-1.75	13-	4	P50	226,7172	-5.05	11- 1	O 6	
224,8300	-1.84	16-	8	Q 7	-225,1515	-1.89	13-	4	Q36	-225,6932	-2.21	13-	4	P36	226,3301	-5.92	24-21	P 0	226,7211	-3.60	22-17	R 1		
224,8390	-1.76	16-	8	R16	-225,1548	-1.70	18-11	Q24	-225,6940	-1.26	16-	8	Q28	226,3311	-2.10	14-	5	R20	226,7241	-3.24	22-17	R 5		
224,8452	-2.53	16-	8	P 4	-225,1557	-1.28	15-	7	P45	-225,6951	-2.33	20-14	O21	-226,3381	-2.13	13-	4	P43	226,7287	-3.78	22-17	R 0		
224,8484	-1.78	16-	8	O 8	-225,1609	-1.44	16-	8	Q18	-225,7255	-1.44	16-	8	R35	226,3426	-5.29	24-21	O 6	226,7291	-4.99	11- 1	Q 7		
224,8541	-1.80	18-11	Q19	-225,1620	-1.93	16-	8	P13	-225,7265	-5.76	10-	0	P28	226,3447	-2.84	14-	5	P 5	-226,7331	-2.09	13- 4	P47		
224,8552	-5.68	10-	0	O16	-225,1730	-2.60	20-14	Q11	-225,7322	-2.02	13-	4	R52	-226,3451	-2.19	20-14	Q29	226,7335	-3.18	22-17	R 6			
224,8607	-6.35	10-	0	P 8	-225,1765	-2.71	20-14	R14	-225,7332	-2.52	20-14	R26	226,3464	-2.12	14- 5	P10	226,7350	-1.79	14- 5	Q22				
224,8694	-1.73	16-	8	Q 9	-225,1789	-2.12	18-11	P20	-225,7338	-1.98	18-11	P27	226,3565	-5.36	24-21	R 9	226,7358	-4.77	11- 1	R23				
224,8709	-2.25	18-11	P15	-225,1813	-3.12	20-14	P 8	-225,7350	-2.73	20-14	P18	226,3573	-2.08	14-	5	R21	226,7358	-5.87	11- 1	P 3				
224,8713	-2.41	16-	8	P 5	-225,1831	-5.47	10-	0	P26	-225,7357	-1.67	16-	8	P23	226,3563	-5.80	24-21	P 5	226,7371	-5.15	24-21	R16		
224,8728	-1.73	16-	8	R17	-225,1869	-5.96	10-	0	P18	-225,7666	-2.31	20-14	O22	-226,3678	-1.53	16-	8	P31	-226,7409	-1.48	16- 8	P35		
224,8730	-1.96	18-11	R25	-225,1869	-5.99	10-	0	P17	-225,7695	-1.81	13-	4	O44	-226,3681	-2.08	14-	5	O11	-226,7419	-1.93	14- 5	R31		
224,8821	-5.65	10-	0	Q17	-225,2010	-1.88	13-	4	O37	-225,7715	-1.24	16-	8	P29	226,3717	-2.74	14-	5	P 6	226,7437	-4.94	11- 1	Q 8	
224,8837	-2.38	13-	4	P25	-225,2015	-1.56	16-	8	R26	-225,7755	-5.75	10-	0	P29	226,3772	-5.22	24-21	O 7	226,7446	-3.60	22-17	R 1		
-224,8856	-6.13	13-	4	P32	-225,2055	-1.42	16-	8	P19	-225,7802	-2.20	13-	4	P37	226,3854	-2.06	14-	5	R22	-226,7454	-1.72	13-	4	O54
224,8864	-1.94	13-	4	P32	-225,2081	-1.90	18-11	P20	-225,7976	-1.43	16-	8	R36	226,3965	-5.05	24-21	R 9	226,7479	-3.13	22-17	R 7			
-224,8899	-2.12	13-	4	R41	-225,2114	-2.57	20-14	Q12	-225,8045	-2.50	20-14	R27	226,3959	-5.32	24-21	R10	226,7487	-2.27	14-	5	P16			
224,8925	-1.69	16-	8	Q10	-225,2170	-2.68	20-14	R17	-225,8075	-2.71	20-14	P19	226,4005	-2.67	14-	5	P 7	226,7506	-5.36	24-21	P12			
224,8955	-6.55	10-	0	P 9	-225,2223	-3.04	20-14	P 9	-225,8078	-1.65	16-	8	P24	226,4054	-5.70	24-21	P 6	226,7527	-3.38	22-17	R 2			
224,8989	-2.31	16-	8	P 6	-225,2228	-2.29	13-	4	P30	-225,8249	-1.96	18-11	P28	226,4110	-2.57	20-14	P26	226,7586	-4.89	11- 1	Q 9			
224,9090	-1.78	18-11	O20	-225,2236	-1.69	18-11	Q25	-225,8272	-2.02	13-	4	R53	-226,4129	-1.14	16-	8	Q37	226,7591	-4.75	11- 1	R24			
224,9101	-5.63	10-	0	Q18	-225,2297	-1.55	16-	8	R27	-225,8372	-2.29	20-14	Q23	226,4159	-2.05	14-	5	R23	226,7593	-4.94	24-21	Q14		
224,9180	-1.65	16-	8	Q11	-225,2369	-5.45	10-	0	Q27	-225,8412	-5.73	10-	0	P30	226,4163	-5.15	24-21	Q 8	226,7604	-5.69	11- 1	P 4		
224,9190	-1.69	16-	8	R19	-225,2395	-5.94	10-	0	P19	-225,8538	-1.23	16-	8	Q30	226,4168	-2.01	14-	5	O13	226,7622	-3.24	22-17	R 3	
224,9269	-6.19	10-	0	P11	-225,2409	-2.08	13-	4	R46	-225,8591	-1.80	13-	4	Q45	226,4313	-2.60	24-21	R12	226,7652	-3.08	22-17	R 8		
224,9291	-2.22	18-11	P16	-225,2501	-2.09	18-11	P21	-225,8643	-1.63	16-	8	P25	-226,4330	-1.74	13-	4	O51	226,7755	-4.85	11- 1	Q10			
224,9299	-2.23	16-	8	P 7	-225,2511	-1.40	16-	8	P20	-225,8682	-2.19	13-	4	P38	-226,4383	-2.12	14-	5	P44	226,7762	-4.08	22-17	P 2	
-224,9312	-1.31	15-	7	P43	-225,2521	-2.53	20-14	Q13	-225,8726	-1.42	16-	8	R37	-226,4400	-5.29	24-21	R11	226,7778	-3.13	22-17	Q 4			
224,9314	-1.95	18-11	R26	-225,2581	-1.87	18-	8	P15	-225,8816	-2.49	20-14	R28	226,4404	-2.18	20-14	O30	226,7803	-1.77	14- 5	P23				
224,9339	-3.19	20-14	R 4	-225,2610	-2.66	20-14	R18	-225,8836	-2.68	20-14	P20	226,4442	-2.01	14-	5	Q14	-226,7836	-1.91	14- 5	R32				
224,9342	-3.26	20-14	R 3	-225,2629	-5.44	10-	0	Q28	-225,8944	-2.27	20-14	P24	226,4481	-2.03	14-	5	R24	226,7845	-3.04	22-17	R 9			
224,9367	-3.12	20-14	R 5	-225,2667	-3.01	20-14	P14	-225,9185	-1.21	16-	8	Q31	-226,4504	-5.62	24-21	R 7	226,7861	-5.57	11- 1	P 5				
224,9382	-3.36	20-14	Q 2	-225,2770	-1.28	15-	7	P46	-225,9488	-1.79	13-	4	O46	-226,4521	-1.52	16-	8	P32	226,7916	-4.74	11- 1	R25		
224,9391	-5.60	10-	0																					

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
226,9785	-5.08	24-21	R19		227,3943	-4.87	11- 1	P21		227,7629	-2.12	19-12	P14	-228,2026	-1.74	17- 9	R31		228,6515	-2.73	15- 6	R 1		
226,9824	-1.70	14- 5	O27		227,3957	-2.56	17- 9	R 3		227,7674	-2.80	22-17	P20	228,2069	-1.52	19-12	Q25	-228,6598	-1.46	17- 9	Q31			
226,9852	-2.72	22-17	Q11		227,3971	-2.25	17- 9	R 8		227,7697	-1.86	17- 9	R23	228,2081	-2.74	21-15	Q 2	228,6645	-2.91	15- 6	R 0			
226,9890	-4.58	11- 1	O19		227,3977	-2.00	19-12	R 2		227,7705	-1.74	17- 9	Q16	228,2086	-4.15	25-23	R11	228,6654	-2.36	21-15	P13			
226,9910	-5.25	24-21	P15		227,4014	-1.95	19-12	Q 9		227,7710	-1.95	14- 5	P32	-228,2181	-1.49	14- 5	Q44	228,6686	-1.98	15- 6	R15			
226,9924	-2.85	22-17	R15		227,4031	-2.65	17- 9	R 2		227,7718	-2.41	22-17	Q23	228,2183	-1.93	19-12	P21	228,6716	-3.77	25-23	O15			
226,9934	-1.86	14- 5	R36		227,4044	-2.21	17- 9	R 9		227,7759	-1.75	14- 5	R47	228,2192	-2.59	21-15	Q 3	228,6743	-1.86	17- 9	P26			
226,9996	-4.86	24-21	Q17		227,4067	-2.70	22-17	R22		227,7806	-4.74	11- 1	P28	228,2195	-2.40	21-15	R 9	-228,6773	-1.83	14- 5	P42			
227,0068	-5.13	11- 1	P12		227,4124	-2.78	17- 9	R 1		227,7865	-1.55	14- 5	Q39	-228,2206	-4.71	14- 5	R52	228,6819	-2.73	15- 6	Q 1			
227,0120	-2.14	14- 5	P21		227,4146	-2.18	17- 9	R10		227,7903	-1.81	19-12	R24	228,2319	-2.49	21-15	Q 4	228,6862	-2.51	15- 6	O 2			
227,0170	-3.18	22-17	P 9		227,4150	-2.53	19-12	P 6		227,8017	-2.21	17- 9	P12	228,2331	-3.44	21-15	P 2	228,6879	-2.08	21-15	R21			
227,0202	-4.55	11- 1	O20		227,4159	-1.60	14- 5	O34		227,8120	-1.71	17- 9	Q17	228,2353	-1.55	17- 9	Q25	228,6890	-1.95	15- 6	R16			
227,0354	-2.68	22-17	Q12		227,4178	-4.38	11- 1	O30		227,8146	-1.84	17- 9	R24	228,2400	-1.98	17- 9	P20	228,6924	-2.37	15- 6	O 3			
227,0391	-1.69	14- 5	Q28		227,4241	-2.95	17- 9	R 9		227,8158	-1.64	19-12	Q19	228,2424	-2.36	21-15	R10	228,6963	-4.15	25-23	P14			
227,0397	-2.83	22-17	R16		227,4271	-2.14	17- 9	R11		227,8194	-2.08	14- 5	P15	228,2449	-3.94	25-23	Q10	228,6965	-1.45	14- 5	Q49			
227,0442	-5.09	11- 1	P13		227,4299	-1.91	19-12	R 6		227,8432	-4.72	11- 1	P29	228,2488	-2.40	21-15	Q 5	228,7008	-2.26	15- 6	U 4			
227,0480	-1.44	16- 8	P38		227,4302	-1.97	19-12	R16		227,8478	-2.18	17- 9	P13	228,2567	-3.14	21-15	P 3	228,7074	-1.90	21-15	Q17			
227,0524	-4.53	11- 1	Q21		227,4393	-2.90	22-17	P16		227,8511	-1.80	19-12	R25	228,2598	-2.33	21-15	R11	228,7104	-1.93	15- 6	K17			
227,0545	-1.85	14- 5	R37		227,4409	-2.78	17- 9	Q 1		227,8563	-1.69	17- 9	Q18	228,2620	-2.70	22-17	P25	228,7129	-2.17	15- 6	U 5			
227,0661	-3.13	22-17	P10		227,4411	-2.04	13- 4	P53		227,8573	-2.73	22-17	P21	228,2622	-4.36	25-23	P 9	228,7166	-3.21	15- 6	P 2			
227,0704	-2.12	14- 5	P22		227,4419	-2.11	17- 9	R 9		227,8602	-1.74	14- 5	R48	228,2692	-1.72	17- 9	R32	228,7220	-2.03	15- 6	Q 7			
227,0765	-2.65	22-17	O13		227,4451	-4.85	11- 1	P22		227,8604	-1.94	14- 5	P33	228,2700	-2.33	21-15	O 6	228,7252	-1.81	19-12	P27			
227,0818	-5.22	24-21	P16		227,4460	-2.56	17- 9	Q 2		227,8619	-1.82	17- 9	R25	228,2779	-4.12	25-23	R12	228,7253	-2.10	15- 6	O 6			
227,0829	-5.05	11- 1	P14		227,4483	-2.45	19-12	R 7		227,8638	-2.39	22-17	Q24	228,2840	-2.96	21-15	P 4	228,7271	-2.33	21-15	P14			
227,0854	-2.07	13- 4	P50		227,4496	-2.49	22-17	Q19		227,8678	-1.54	14- 5	Q40	-228,2845	-1.68	14- 5	P38	228,7312	-1.67	14- 5	M57			
227,0884	-4.51	11- 1	Q22		227,4535	-2.61	17- 9	Q 9		227,8720	-1.62	19-12	R20	228,2855	-1.51	19-12	O26	228,7314	-4.34	12- 2	R10			
227,0902	-4.83	24-21	O18		227,4594	-2.08	17- 9	R13		227,8764	-4.79	25-23	R 1	228,2890	-2.29	21-15	R12	228,7314	-4.37	12- 2	R 9			
227,0920	-2.80	22-17	R17		227,4608	-1.79	14- 5	R43		227,8788	-2.05	19-12	P16	228,2938	-2.26	21-15	Q 7	228,7327	-4.30	12- 2	R11			
227,0956	-1.67	14- 5	Q29		227,4611	-1.87	19-12	R12		227,8792	-4.96	25-23	R 9	228,2969	-1.91	19-12	P22	228,7329	-4.42	12- 2	R 8			
227,1170	-3.08	22-17	P11		227,4630	-2.30	17- 9	Q 4		227,8828	-4.66	25-23	R 2	228,2998	-1.53	17- 9	O26	228,7335	-1.91	15- 6	R18			
227,1197	-1.83	14- 5	R38		227,4647	-1.95	19-12	R17		227,8827	-4.71	11- 1	P30	228,3060	-1.95	17- 9	P21	228,7362	-4.27	12- 2	R12			
227,1227	-5.02	11- 1	P15		227,4649	-2.01	14- 5	P28		227,8966	-4.79	25-23	O 1	-228,3081	-1.48	14- 5	Q45	228,7365	-4.46	12- 2	R 7			
227,1261	-4.50	11- 1	O23		227,4746	-3.25	17- 9	P 2		227,8964	-2.14	17- 9	P14	228,3129	-2.84	21-15	P 5	228,7380	-3.99	25-23	R17			
227,1297	-2.62	22-17	Q14		227,4754	-2.21	17- 9	R 9		227,8982	-4.57	25-23	R 3	228,3161	-3.90	25-23	Q11	228,7384	-2.91	15- 6	P 3			
227,1310	-2.10	14- 5	P23		227,4793	-2.05	17- 9	R14		227,8994	-4.49	25-23	R 4	-228,3191	-1.70	14- 5	R53	228,7403	-1.44	17- 9	G32			
227,1484	-2.78	22-17	R18		227,4828	-2.68	22-17	R23		227,9027	-1.66	17- 9	Q19	228,3199	-2.26	21-15	R13	228,7411	-4.24	12- 2	R13			
227,1567	-1.43	16- 8	P39		227,4847	-2.38	19-12	P 8		227,9073	-4.57	25-23	Q 2	228,3239	-2.21	21-15	O 8	228,7416	-4.51	12- 2	R 6			
227,1583	-1.66	14- 5	Q30		227,4889	-1.59	14- 5	O35		227,9102	-1.78	19-12	R26	228,3345	-4.31	25-23	P10	228,7475	-4.57	12- 2	R 5			
227,1594	-4.48	11- 1	Q24		227,4898	-2.14	17- 9	Q 9		227,9121	-1.81	17- 9	R26	228,3414	-2.16	21-15	O 9	228,7479	-4.21	12- 2	R14			
227,1642	-4.99	11- 1	P16		227,4952	-1.83	19-12	Q12		227,9255	-5.27	25-23	P 2	228,3474	-2.74	21-15	P 6	228,7495	-2.06	21-15	R22			
227,1754	-3.04	22-17	P12		227,4960	-5.12	24-21	P20		227,9291	-4.42	25-23	Q 3	228,3506	-1.49	19-12	O27	228,7519	-1.98	15- 6	O 8			
227,1772	-5.20	24-21	P17		227,4965	-2.95	17- 9	P 3		227,9327	-4.42	25-23	R 5	228,3541	-2.24	21-15	R14	228,7554	-1.84	17- 9	P27			
227,1810	-1.83	14- 5	R39		227,4970	-4.83	11- 1	P23		227,9340	-1.60	19-12	Q21	228,3543	-4.09	25-23	R13	228,7559	-4.18	12- 2	R15			
227,1855	-2.59	22-17	Q15		227,5014	-2.02	17- 9	R 5		227,9366	-1.93	14- 5	P34	228,3665	-1.51	17- 9	O27	228,7559	-4.64	12- 2	R 4			
227,1862	-6.81	24-21	Q19		227,5033	-1.93	19-12	R18		227,9409	-2.03	19-12	P17	228,3722	-2.68	22-17	P26	228,7585	-1.89	15- 6	R19			
227,1936	-2.08	14- 5	P24		227,5070	-2.08	17- 9	Q 7		227,9476	-2.11	17- 9	P15	228,3746	-1.93	17- 9	P28	228,7619	-2.73	15- 6	P 4			
227,2006	-2.06	13- 4	P51		227,5157	-2.88	22-17	P17		227,9479	-1.74	14- 5	R49	228,3770	-1.89	19-12	P23	228,7667	-4.72	12- 2	R 3			
227,2007	-4.46	11- 1	Q25		227,5208	-2.78	17- 9	P 4		227,9512	-1.52	14- 5	O41	228,3777	-2.12	21-15	Q10	228,7659	-4.16	12- 2	R16			
227,2063	-2.76	22-17	R19		227,5235	-2.47	22-17	P20		227,9518	-1.64	17- 9	Q20	-228,3803	-1.86	14- 5	P39	228,7682	-1.87	21-15	Q18			
227,2074	-4.96	11- 1	P17		227,5241	-2.33	19-12	P 9		227,9523	-2.76	22-17	P22	228,3870	-2.66	21-15	P 7	228,7738	-1.93	15- 6	Q 9			
227,2237	-1.63	14- 5	Q31		227,5261	-2.00	17- 9	R 6		227,9536	-4.96	25-23	P 3	228,3917	-2.21	21-15	R15	228,7764	-3.75	25-23	O16			
227,2342	-2.45	19-12	R 4		227,5265	-2.02	17- 9	Q 8		227,9580	-2.37	22-17	Q2											

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ				
228,9223	-4.00	12-	2	R24	-229,48003	-1.39	14-	5	Q62	-230,2492	-1.35	14-	5	Q62	230,5109	-2,86	18-10	P10	230,9436	-4,82	13-	3	R 8
228,9262	-4,81	12-	2	P 5	-229,4905	-4,14	12-	2	P20	230,2505	-2,86	18-10	Q 4	230,5142	-2,72	24-20	P12	230,9459	-3,71	13-	3	R 11	
228,9264	-1,81	17-	9	P29	-229,5042	-1,63	15-	6	R36	230,2580	-2,64	18-10	R13	-230,5182	-1,50	15-	6	R49	230,9461	-3,87	13-	3	R 7
228,9275	-2,24	21-	15	P17	-229,5079	-3,66	12-	2	Q28	230,2616	-3,82	18-10	R13	-230,5228	-2,48	24-20	R17	230,9502	-3,67	13-	3	R 12	
228,9286	-0,05	12-	2	O11	-229,5140	-3,64	12-	2	Q29	230,2633	-2,78	18-10	Q 5	230,5248	-2,29	23-18	Q 8	230,9504	-3,92	13-	3	R 6	
228,9361	-1,69	15-	6	O16	-229,5141	-2,08	21-	15	P24	-230,2650	-1,72	15-	6	P32	230,5268	-1,98	20-13	Q11	230,9558	-1,91	20-13	K25	
228,9468	-2,26	15-	6	P10	-229,5179	-1,45	15-	6	O28	230,2721	-2,44	24-20	Q10	-230,5274	-1,68	15-	6	P35	230,9564	-3,97	13-	3	R 5
228,9478	-4,02	12-	2	Q12	-229,5328	-1,89	15-	6	P22	230,2755	-2,92	24-20	P 8	230,5341	-2,38	23-18	R12	230,9565	-3,64	13-	3	R 13	
-228,9489	-1,66	14-	5	R59	-229,5414	-4,11	12-	2	P21	230,2760	-3,91	12-	2	P33	230,5348	-2,33	18-10	Q15	230,9574	-2,17	20-13	P16	
-228,9502	-1,78	15-	6	R25	-229,5676	-1,75	14-	5	P50	230,2786	-2,70	18-10	Q 6	230,5365	-2,82	23-18	P 6	-230,9625	-1,24	15-	6	Q46	
228,9523	-3,97	12-	2	R26	-229,5685	-1,62	15-	6	R37	230,2798	-2,50	24-20	R13	230,5410	-2,44	18-10	R22	230,9628	-1,73	20-13	G20		
228,9533	-4,72	12-	2	P 6	-229,5732	-3,63	12-	2	Q30	230,2834	-2,61	18-10	R14	230,5436	-2,07	20-13	R17	230,9640	-3,62	13-	3	R 14	
228,9692	-3,98	12-	2	Q13	-229,5798	-1,44	15-	6	O29	230,2837	-3,52	18-10	P 3	230,5459	-2,50	20-13	P 8	230,9643	-4,04	13-	3	R 4	
228,9710	-1,81	21-	15	Q21	-229,5943	-4,09	12-	2	P22	230,2894	-2,57	20-13	R 4	230,5511	-2,82	18-10	P11	230,9684	-2,18	23-18	R20		
228,9808	-0,64	12-	2	P 7	-229,5963	-1,87	15-	6	P23	230,2907	-2,50	20-13	R 5	230,5598	-2,24	23-18	Q 9	230,9708	-2,41	23-18	P14		
228,9823	-1,67	15-	6	O17	-229,6029	-1,38	14-	5	Q57	230,2910	-2,65	20-13	R 3	230,5627	-1,95	20-13	Q12	230,9738	-3,59	13-	3	R 15	
228,9826	-3,95	12-	2	R27	-229,6118	-2,06	21-	15	P25	230,2950	-2,59	18-10	R15	230,5725	-2,27	24-20	Q15	230,9740	-4,12	13-	3	S 3	
228,9872	-2,21	15-	6	P11	-229,6284	-3,62	12-	2	Q31	230,2953	-2,44	20-13	R 6	230,5739	-2,35	23-18	R13	230,9847	-4,22	13-	3	R 2	
-228,9898	-1,76	15-	6	R26	-229,6337	-1,81	15-	6	R38	230,2956	-2,74	20-13	R 2	230,5764	-1,28	15-	6	D42	230,9850	-3,56	13-	3	R 16
228,9921	-3,95	12-	2	O14	-229,6363	-1,42	15-	6	Q30	230,2964	-2,64	18-10	Q 7	230,5773	-2,30	18-10	Q16	-230,9855	-2,31	18-10	R30		
-228,9943	-1,80	14-	5	P45	-229,6490	-4,07	12-	2	P23	230,3026	-2,39	20-13	R 7	230,5774	-2,74	23-18	P 7	230,9880	-2,56	18-10	P19		
229,0001	-2,21	21-	15	P18	-229,6623	-1,85	15-	6	P24	230,3027	-2,87	20-13	R 1	230,5844	-2,04	20-13	R18	230,9924	-2,15	24-20	Q20		
229,0107	-0,57	12-	2	P 8	-229,6826	-3,60	12-	2	Q32	230,3088	-3,34	18-10	P 4	230,5856	-2,68	20-13	P13	230,9934	-1,98	23-18	Q17		
229,0135	-3,94	12-	2	R28	-229,6898	-1,74	14-	5	P51	-230,3117	-1,31	15-	6	O39	230,5866	-2,44	20-13	P 9	230,9972	-2,13	18-10	Q24	
229,0136	-1,79	17-	9	P30	-229,7009	-1,60	15-	6	R39	230,3134	-2,34	20-13	R 8	230,5872	-2,42	18-10	R23	230,9978	-3,54	13-	3	R 17	
229,0167	-3,92	12-	2	O15	-229,7056	-1,41	15-	6	Q31	230,3138	-3,04	20-13	R 0	230,5952	-2,46	24-20	R18	230,9981	-4,34	13-	3	R 1	
229,0176	-3,70	25-	23	Q18	-229,7057	-4,05	12-	2	P24	230,3171	-2,59	18-10	Q 8	230,5959	-2,78	18-	10	P12	-231,0097	-1,62	15-	6	P40
-229,0213	-1,42	14-	5	Q52	-229,7129	-2,04	21-	15	P26	230,3228	-2,40	24-20	Q11	230,5999	-2,20	23-18	Q10	231,0122	-4,52	13-	3	R 0	
229,0226	-1,77	19-	12	P30	-229,7291	-1,38	14-	5	O58	230,3262	-2,56	18-10	R16	230,6022	-1,91	20-13	Q13	231,0129	-3,52	13-	3	R 18	
229,0228	-1,64	15-	6	O18	-229,7299	-1,83	15-	6	P25	230,3267	-2,30	20-13	R 9	-230,6084	-1,69	14-	5	P58	231,0134	-2,53	24-20	P18	
229,0302	-2,17	15-	6	P12	-229,7658	-4,04	12-	2	P25	230,3282	-2,82	24-20	P 9	-230,6137	-1,49	15-	6	R50	-231,0211	-1,46	15-	6	R54
-229,0311	-1,75	15-	6	R27	-229,7738	-1,59	15-	6	R40	230,3304	-2,87	20-13	R 1	230,6179	-2,32	23-18	R14	231,0227	-2,14	20-13	P17		
229,0405	-4,06	25-	23	P17	-229,7749	-1,40	15-	6	Q32	230,3333	-2,56	24-20	R14	-230,6196	-1,67	15-	6	P36	231,0239	-1,90	20-13	R26	
229,0415	-1,51	12-	2	P 9	-229,8003	-1,81	15-	6	P26	230,3334	-1,70	14-	5	P56	230,6218	-2,68	23-18	P 8	231,0269	-1,71	20-13	G21	
229,0426	-3,90	12-	2	O16	-229,8117	-1,74	14-	5	P52	230,3358	-3,22	18-10	P 5	230,6238	-2,27	18-	10	Q17	231,0294	-3,50	13-	3	R 19
229,0452	-1,79	21-	15	Q22	-229,8375	-4,02	12-	2	P26	230,3361	-2,65	20-13	O 2	230,6286	-2,02	20-13	R19	231,0304	-4,34	13-	3	Q 1	
229,0476	-3,92	12-	2	R29	-229,8444	-1,38	15-	6	Q33	-230,3363	-1,52	15-	6	R47	230,6307	-2,39	20-13	P10	231,0343	-4,12	13-	3	Q 2
229,0530	-2,10	15-	6	P14	-229,8483	-1,58	15-	6	R41	230,3403	-2,54	18-10	Q 9	230,6308	-2,25	18-10	Q18	231,0399	-3,97	13-	3	Q 3	
229,0633	-1,62	15-	6	O19	-229,8511	-1,37	14-	5	O59	230,3432	-2,27	20-13	R10	230,6363	-2,40	18-10	R24	-231,0399	-1,67	14-	5	P61	
-229,0644	-1,65	15-	6	R60	-229,8719	-1,80	15-	6	P27	230,3457	-2,50	20-13	Q 3	230,6438	-2,16	23-18	Q11	231,0416	-2,16	23-	R18	R21	
229,0705	-3,87	12-	2	Q17	-229,8720	-4,00	12-	2	P27	-230,3502	-1,71	15-	6	P33	230,6438	-1,88	20-13	Q14	231,0431	-2,38	23-18	P15	
229,0734	-3,91	12-	2	R30	-229,9168	-1,37	15-	6	Q34	230,3514	-2,82	23-18	R 3	230,6468	-2,24	24-20	Q10	231,0464	-3,71	13-	3	Q 6	
229,0738	-4,46	12-	2	P10	-229,9243	-1,57	15-	6	R42	230,3571	-2,54	18-10	R17	230,6477	-2,74	18-10	P13	231,0478	-3,48	13-	3	R20	
-229,0756	-1,73	15-	6	R28	-229,9391	-3,98	12-	2	P28	230,3577	-2,39	20-13	O 4	230,6616	-2,65	24-20	P14	-231,0506	-2,30	18-10	R31		
229,0772	-2,18	21-	15	P19	-229,9396	-1,73	14-	5	P53	230,3588	-2,74	23-18	R 4	230,6661	-2,29	23-18	R15	231,0548	-3,78	13-	3	Q 5	
229,0772	-2,13	15-	6	P13	-229,9464	-1,78	15-	6	P28	230,3599	-2,92	23-18	R 2	-230,6698	-1,27	15-	6	Q43	231,0564	-2,54	18-10	P20	
229,1000	-3,85	12-	2	Q18	-229,9815	-1,36	16-	5	Q60	230,3624	-2,23	20-13	R11	230,6703	-2,62	23-18	P 9	231,0629	-2,11	18-10	Q10		
229,1028	-1,79	14-	5	P46	-229,9918	-1,36	15-	6	Q35	230,3634	-3,05	23-18	R 1	230,6731	-2,44	24-20	R19	231,0649	-3,71	13-	3	Q 6	
229,1056	-1,60	15-	6	O20	-229,9995	-3,16	24-20	R 2	230,3638	-3,34	20-13	P 2	230,6759	-2,00	20-13	R20	-231,0650	-1,23	15-	6	Q47		
229,1064	-1,78	17-	9	P31	-230,0013	-3,06	24-20	R 3	230,3656	-3,12	18-10	P 6	230,6775	-2,34	20-13	P11	231,0659	-1,95	23-18	Q18			
229,1082	-4,42	12-	2	P11	-230,0016	-3,28	24-20	P 1	-230,3857	-2,81	24-20	P10	230,7186	-2,27	23-18	R16	231,0666	-4,82	13-	3	P 2		
229,1098	-3,90	12-	2	R31	-230,0020	-1,56	15-	6	R43	230,3867	-3,04	20-13	P 3	230,72									

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
231.2220	-3.97	13-	3	P 8	231.5938	-2.40	18-	10	P27	-232.0990	-1.16	15-	6	O56	-233.2357	-1.12	16-	7	O42
231.2232	-1.91	23-	18	Q20	-231.5946	-2.01	18-	10	Q32	-232.1042	-1.73	16-	7	P22	-233.2370	-5.72	19-	11	P 5
231.2248	-2.21	16-	7	Q 3	231.5978	-2.71	22-	16	Q 2	-232.1058	-1.30	16-	7	Q28	-233.2376	-5.07	19-	11	R16
231.2272	-3.36	13-	3	R27	231.5992	-2.40	22-	16	R 8	-232.1151	-2.12	23-	18	P26	-233.2453	-1.51	16-	7	P36
231.2273	-1.82	16-	7	R15	231.6092	-2.56	22-	16	Q 3	-232.1178	-1.47	16-	7	R36	-233.2457	-5.05	19-	11	Q 9
231.2336	-2.10	16-	7	Q 4	231.6101	-1.97	16-	7	P13	-232.1260	-3.40	13-	3	P27	-233.2472	-3.33	14-	4	R 8
231.2353	-3.33	13-	3	Q15	231.6139	-1.59	16-	7	R27	-232.1279	-2.04	22-	16	R21	-233.2479	-3.29	14-	4	R 9
231.2368	-2.07	20-	13	P20	231.6178	-2.36	22-	16	R 9	-232.1321	-1.86	22-	16	Q17	-233.2495	-3.38	14-	4	R 7
231.2375	-1.65	20-	13	Q24	-231.6182	-1.19	15-	6	O52	-232.1424	-2.29	22-	16	P14	-233.2498	-3.26	14-	4	R10
231.2448	-2.01	16-	7	Q 5	231.6187	-3.59	13-	3	P18	-232.1553	-1.52	15-	6	P50	-233.2525	-3.22	14-	4	R11
231.2469	-1.80	16-	7	R16	231.6230	-2.45	22-	16	Q 4	-232.1632	-2.31	18-	10	P33	-233.2526	-3.43	14-	4	R 6
231.2489	-3.05	16-	7	P 2	231.6239	-3.40	22-	16	P 2	-232.1705	-1.71	16-	7	P23	-233.2581	-3.49	14-	4	R 5
231.2538	-3.92	13-	3	P 9	231.6266	-1.40	16-	7	Q19	-232.1829	-1.28	16-	7	Q29	-233.2593	-3.19	14-	4	R12
231.2577	-1.94	16-	7	Q 6	231.6362	-3.10	13-	3	Q26	-232.1892	-1.46	16-	7	R37	-233.2652	-3.56	14-	4	R 4
231.2611	-3.34	13-	3	R28	231.6398	-2.33	22-	16	R10	-232.1924	-3.39	13-	3	P28	-233.2662	-3.16	14-	4	R13
231.2629	-2.48	18-	10	P23	231.6406	-2.36	22-	16	Q 5	-232.1943	-2.02	22-	16	R22	-233.2678	-5.62	19-	11	P 6
231.2631	-3.30	13-	3	Q16	231.6473	-3.10	22-	16	P 3	-232.1966	-1.84	22-	16	Q18	-233.2730	-5.00	19-	11	Q10
231.2686	-1.77	16-	7	R17	231.6563	-1.94	16-	7	P14	-232.2090	-2.26	22-	16	P15	-233.2735	-5.05	19-	11	R17
231.2711	-2.75	16-	7	P 3	231.6568	-1.96	20-	13	P25	-232.2335	-1.27	16-	7	Q30	-233.2739	-3.64	14-	4	R 3
231.2728	-1.88	16-	7	Q 7	231.6586	-1.58	16-	7	R28	-232.2373	-2.11	23-	18	P27	-233.2761	-3.13	14-	4	R14
-231.2831	-1.21	15-	6	O49	231.6621	-2.29	22-	16	Q 6	-232.2390	-1.69	16-	7	P24	-233.2844	-3.73	14-	4	R 2
231.2854	-2.29	23-	18	P18	231.6657	-2.20	23-	18	P22	-232.2401	-1.45	16-	7	R38	-233.2869	-3.10	14-	4	R15
231.2866	-2.11	23-	18	R24	231.6662	-2.29	22-	16	R12	-232.2401	-1.45	16-	7	R22	-233.2870	-3.86	14-	4	R1
-231.2872	-2.06	18-	10	Q28	231.6677	-3.56	13-	3	P19	-232.2642	-1.81	22-	16	Q19	-233.2982	-4.96	19-	11	Q11
231.2876	-3.87	13-	3	P10	231.6695	-1.55	16-	6	P46	-232.2653	-2.01	22-	16	R23	-233.2998	-3.08	14-	4	R16
231.2902	-1.82	16-	7	Q 8	231.6706	-1.44	16-	7	Q20	-232.2718	-2.30	18-	10	P34	-233.3017	-5.15	19-	11	P 7
231.2924	-3.28	13-	3	Q17	231.6753	-2.93	22-	16	P 4	-232.2789	-2.23	22-	16	P16	-233.3094	-5.02	19-	11	R18
231.2927	-3.33	13-	3	R29	231.6831	-2.39	18-	10	P26	-232.2807	-1.51	15-	6	P51	-233.3109	-4.03	14-	4	R 0
231.2929	-1.75	16-	7	R18	231.6844	-3.08	13-	3	Q27	-232.3034	-1.25	16-	7	Q31	-233.3144	-3.06	14-	4	R17
231.2951	-2.58	16-	7	P 4	231.6849	-1.91	18-	10	O33	-232.3096	-1.67	16-	7	P25	-233.3175	-1.11	16-	7	O43
231.3085	-1.89	23-	18	Q21	231.6871	-2.23	22-	16	Q 7	-232.3288	-1.44	16-	7	R39	-233.3291	-3.86	14-	4	Q 1
231.3095	-1.77	16-	7	Q 9	231.6921	-1.81	23-	18	Q25	-232.3294	-3.36	13-	3	P30	-233.3310	-3.03	14-	4	R18
231.3142	-2.04	20-	13	P21	231.6961	-2.26	22-	16	R12	-232.3362	-1.79	22-	16	Q20	-233.3330	-1.50	16-	7	P37
231.3151	-1.64	20-	13	Q25	231.7041	-1.91	16-	7	P15	-232.3527	-2.20	22-	16	P17	-233.3336	-3.64	14-	4	Q 2
231.3194	-1.73	16-	7	R19	231.7055	-2.80	22-	16	P 5	-232.3655	-2.09	23-	18	P28	-233.3347	-4.93	19-	11	Q12
231.3215	-2.45	16-	7	P 5	231.7083	-1.56	16-	7	R29	-232.3761	-1.24	16-	7	Q32	-233.3381	-5.48	19-	11	P 8
231.3233	-3.25	13-	3	Q18	231.7156	-2.17	22-	16	O 8	-232.3778	-2.29	18-	10	P35	-233.3392	-3.49	14-	4	Q 3
231.3234	-3.82	13-	3	P11	231.7167	-1.42	16-	7	Q21	-232.3830	-1.66	16-	7	P26	-233.3470	-3.38	14-	4	Q 4
231.3288	-2.46	24-	20	P21	231.7190	-3.54	13-	3	P20	-232.3973	-3.34	13-	3	P31	-233.3475	-5.00	19-	11	R19
-231.3294	-1.59	15-	6	P63	231.7296	-2.23	22-	16	R13	-232.4063	-1.43	16-	7	R40	-233.3496	-1.45	16-	7	P41
231.3315	-1.73	16-	7	Q10	231.7300	-1.18	15-	6	Q53	-232.4115	-1.50	15-	6	P52	-233.3565	-3.29	14-	4	P 5
-231.3430	-1.65	14-	5	P63	231.7396	-2.71	22-	16	P 6	-232.4117	-1.77	22-	16	Q21	-233.3657	-4.33	14-	4	P 2
231.3440	-2.46	18-	10	P24	231.7412	-3.06	13-	3	Q28	-232.4302	-2.17	22-	16	P18	-233.3677	-3.22	14-	4	Q 6
231.3479	-1.71	16-	7	R20	231.7478	-2.13	22-	16	Q 9	-232.4538	-1.23	16-	7	Q33	-233.3696	-2.99	14-	4	R20
231.3503	-2.35	16-	7	P 6	231.7514	-1.95	20-	13	P26	-232.4642	-1.64	16-	7	P27	-233.3716	-4.89	19-	11	Q13
231.3521	-2.05	18-	10	Q29	231.7547	-1.88	16-	7	P16	-232.4917	-1.42	16-	7	R41	-233.3772	-5.42	19-	11	P 9
231.3554	-1.69	16-	7	Q11	231.7606	-1.55	16-	7	R30	-232.4918	-1.75	22-	16	G22	-233.3804	-3.16	14-	4	Q 7
231.3564	-3.23	13-	3	Q19	231.7653	-1.40	16-	7	Q22	-232.5113	-2.15	22-	16	P19	-233.3877	-4.98	19-	11	R20
231.3597	-3.78	13-	3	P12	231.7663	-2.20	22-	16	R14	-232.5247	-1.21	16-	7	Q34	-233.3884	-4.03	14-	4	P 3
231.3740	-2.27	23-	18	P19	231.7717	-2.18	23-	18	P23	-232.5352	-1.62	16-	7	P28	-233.3919	-2.97	14-	4	R21
231.3758	-2.09	23-	18	R25	231.7717	-3.52	13-	3	P21	-232.5468	-1.49	16-	7	P53	-233.3956	-3.10	14-	4	R 8
231.3790	-1.69	16-	7	R21	231.7778	-2.63	22-	16	P 7	-232.5608	-1.41	16-	7	R42	-233.4097	-4.86	19-	11	Q14
231.3808	-2.28	16-	7	P 7	231.7798	-1.98	18-	10	Q34	-232.5749	-1.73	22-	16	Q23	-233.4116	-3.06	14-	4	Q 9
231.3814	-1.66	16-	7	Q12	231.7809	-3.05	13-	3	Q29	-232.5956	-2.13	22-	16	P20	-233.4123	-3.86	14-	4	P 4
-231.3893	-1.21	15-	6	O50	231.7828	-2.08	22-	16	Q10	-232.6053	-1.20	16-	7	T35	-233.4172	-2.95	14-	4	R22
281.3908	-1.62	20-	13	Q26	231.7884	-1.55	15-	6	P47	-232.6171	-1.61	16-	7	P29	-233.4188	-5.37	19-	11	P10
231.3910	-3.21	13-	3	Q20	231.7914	-2.37	18-	10	P29	-232.6466	-1.40	16-	7	R43	-233.4205	-1.10	16-	7	Q44
231.3958	-1.87	23-	18	Q22	231.8070	-2.17	22-	16	R15	-232.6763	-1.49	15-	6	P54	-233.4312	-4.96	19-	11	R21
231.3985	-3.74	13-	3	P13	231.8075	-1.85	16-	7	P17	-232.6843	-1.19	16-	7	T36	-233.4384	-3.73	14-	4	P 5
231.4100	-1.62	16-	7	Q13	231.8162	-1.38	16-	7	Q23	-232.6844	-2.10	22-	16	P21	-233.4394	-1.48	16-	7	P38
231.4123	-1.67	16-	7	R22	231.8174	-1.53	16-	7	R31	-232.6971	-1.59	16-	7	P30	-233.4420	-2.94	14-	4	R23
231.4135	-2.71	16-	7	P 8	231.8192	-2.56	22-	16	P 8	-232.7333	-1.39	16-	7	R44	-233.4507	-2.97</td			

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
233.9848	-5.05	19-11	P20	-234.4548	-1.47	17- 8	R30	235.1317	-3.04	23-17	R 4	235.7407	-2.28	23-17	D17	236.1770	-2.28	20-12	Q 4
233.9907	-3.08	14- 4	P19	234.4627	-4.93	19-11	P26	235.1342	-2.08	25-21	Q17	235.7429	-3.09	15- 5	Q 3	236.1776	-2.30	15- 5	Q 21
-233.9909	-1.43	16- 7	P43	-234.4631	-1.39	16- 7	P47	235.1377	-3.34	23-17	R 1	235.7476	-2.64	15- 5	R18	-236.1804	-2.42	15- 5	R31
233.9921	-2.78	21-14	P13	234.4649	-2.58	25-21	R 9	235.1382	-2.98	23-17	R 5	235.7507	-2.98	15- 5	Q 4	-236.1812	-1.41	17- 8	P38
233.9949	-2.28	17- 8	P 6	234.4686	-2.92	14- 4	P27	235.1461	-3.52	23-17	R 0	235.7548	-2.46	23-17	R21	236.1818	-2.64	20-12	R12
234.0064	-1.61	17- 8	Q11	234.4702	-2.58	21-14	P20	235.1472	-2.92	23-17	R 6	235.7604	-2.90	15- 5	Q 5	236.1864	-3.79	20-12	P 2
-234.0081	-2.74	14- 4	R37	234.4728	-1.77	17- 8	P17	235.1483	-2.59	14- 4	R53	235.7673	-1.46	17- 8	P34	236.1883	-2.77	26-23	R 9
234.0111	-4.62	19-11	Q25	234.4802	-3.02	25-21	P 5	235.1510	-2.79	14- 4	P36	235.7682	-2.61	15- 5	R19	-236.1899	-2.67	14- 4	P47
234.0112	-2.31	21-14	Q17	234.4861	-2.16	21-14	Q24	235.1511	-1.56	17- 8	P27	235.7707	-3.94	15- 5	P 2	236.1916	-2.75	20-12	Q 5
234.0157	-1.63	17- 8	R20	-234.4883	-2.66	14- 4	R45	235.1613	-2.87	23-17	R 7	235.7719	-2.82	15- 5	Q 6	236.2047	-2.61	20-12	R13
234.0165	-2.47	21-14	R22	234.4904	-2.45	25-21	O 7	235.1629	-3.34	23-17	O 1	235.7776	-2.32	25-21	P21	236.2085	-2.68	20-12	G 6
234.0240	-2.59	14- 4	Q27	234.4940	-2.48	14- 4	O35	235.1633	-1.15	17- 8	Q33	235.7852	-2.76	15- 5	Q 7	236.2094	-3.49	20-12	P 3
234.0266	-2.70	17- 8	P 7	234.4966	-1.30	17- 8	O23	235.1711	-2.39	14- 4	O44	235.7904	-2.59	15- 5	R20	236.2108	-2.79	15- 5	P15
234.0343	-1.58	17- 8	Q12	234.5053	-2.55	25-21	R10	235.1713	-3.12	23-17	R 2	235.7926	-3.64	15- 5	P 3	236.2144	-2.15	23-17	Q23
234.0439	-3.06	14- 4	P20	234.5100	-2.36	21-14	R29	235.1784	-2.82	23-17	R 8	235.7967	-2.71	14- 4	P43	-236.2195	-2.41	15- 5	R32
234.0499	-1.61	17- 8	R21	-234.5125	-1.46	17- 8	R31	235.1809	-2.98	23-17	O 3	235.8005	-2.71	15- 5	Q 8	236.2203	-2.28	15- 5	Q22
234.0505	-2.74	21-14	P14	234.5220	-2.93	25-21	P 6	235.1965	-3.82	23-17	P 2	235.8105	-2.25	23-17	Q18	236.2226	-2.54	23-17	P20
234.0577	-5.02	19-11	P21	234.5308	-2.40	25-21	O 8	235.1969	-2.87	23-17	O 4	235.8114	-2.67	23-17	P15	236.2251	-2.58	26-23	Q 8
234.0608	-2.13	17- 8	P 8	234.5313	-1.75	17- 8	P18	235.1973	-2.78	23-17	R 9	235.8147	-2.58	15- 5	R21	236.2287	-2.61	20-12	O 7
234.0638	-2.73	14- 4	R38	234.5350	-1.29	17- 8	O24	235.2158	-2.78	23-17	R 5	235.8167	-3.46	15- 5	P 4	236.2305	-2.59	20-12	R14
234.0645	-1.54	17- 8	Q13	234.5369	-2.90	14- 4	P28	235.2186	-2.42	21-14	P24	235.818	-2.66	15- 5	Q 9	236.2356	-3.31	20-12	P 4
234.0686	-2.29	21-14	Q18	234.5500	-2.51	25-21	R11	235.2218	-3.52	23-17	P 3	235.8256	-2.32	14- 4	Q51	236.2381	-3.03	26-23	P 7
234.0754	-2.58	14- 4	Q28	234.5518	-4.91	19-11	P27	235.2240	-2.74	23-17	R10	235.8263	-2.44	23-17	R22	236.2461	-2.73	26-23	R10
234.0780	-2.46	21-14	R23	234.5533	-2.55	21-14	P21	235.2256	-2.45	25-21	P16	235.8372	-2.61	15- 5	Q10	236.2519	-2.56	20-12	U 8
234.0827	-4.60	19-11	Q22	-234.5630	-2.47	14- 4	Q36	235.2279	-2.06	25-21	R18	235.8410	-2.56	15- 5	R22	-236.2568	-2.39	15- 5	R33
234.0877	-1.60	17- 8	R22	234.5676	-2.15	21-14	O25	235.2380	-1.14	17- 8	O34	235.8431	-3.34	15- 5	P 5	236.2580	-2.76	15- 5	P16
-234.0955	-1.42	16- 7	P44	234.5690	-2.85	25-21	P 7	235.2382	-2.78	23-17	R 4	235.8585	-2.58	15- 5	Q11	236.2590	-2.56	20-12	R15
234.0970	-2.07	17- 8	P 9	-234.5726	-1.44	17- 8	R32	235.2386	-1.54	17- 8	P28	235.8695	-2.54	15- 5	R23	236.2647	-3.19	20-12	P 5
234.0970	-1.51	17- 8	Q14	234.5765	-2.35	25-21	O 9	235.2391	-2.71	23-17	Q 6	235.8705	-1.44	17- 8	P35	236.2650	-2.27	15- 5	Q23
234.0990	-3.03	14- 4	P21	234.5801	-2.65	14- 4	R46	235.2483	-3.34	23-17	P 4	235.8712	-3.24	15- 5	P 6	236.2775	-2.51	20-12	Q 9
234.1083	-1.58	17- 8	R23	-234.5862	-1.38	16- 7	P 8	235.2530	-2.71	23-17	R11	235.8816	-2.54	15- 5	Q12	236.2843	-2.53	26-23	G 9
234.1124	-2.71	21-14	P15	234.5995	-1.72	17- 8	P19	235.2596	-2.38	14- 4	O45	235.8841	-2.64	23-17	P16	236.2909	-2.53	20-12	R16
-234.1257	-2.72	14- 4	R39	234.6009	-2.48	25-21	R12	235.2649	-2.64	23-17	O 7	235.8847	-2.23	23-17	Q19	-236.2912	-1.40	17- 8	P39
234.1295	-2.56	14- 4	Q29	234.6058	-2.85	25-21	P 7	235.2811	-3.22	23-17	P 5	235.8869	-2.70	14- 4	P44	236.2969	-3.09	20-12	P 6
234.1296	-2.26	21-14	Q19	234.6066	-2.89	14- 4	P29	235.2857	-2.67	23-17	R12	235.8991	-2.52	15- 5	R24	236.3022	-2.97	26-23	P 8
234.1326	-5.00	19-11	P22	234.6096	-2.46	14- 4	Q37	235.2959	-2.59	23-17	Q 8	235.9011	-3.16	15- 5	P 7	236.3063	-2.47	20-12	Q10
234.1330	-1.46	17- 8	Q15	234.6122	-2.78	25-21	P 8	235.2995	-1.53	17- 8	P29	235.9036	-2.42	23-17	R23	236.3076	-2.73	15- 5	P17
234.1359	-2.02	17- 8	P10	234.6283	-2.30	25-21	P10	235.3168	-3.12	23-17	P 6	235.9066	-2.51	15- 5	Q13	236.3087	-2.13	23-17	Q24
234.1424	-2.44	21-14	R24	234.6379	-2.53	21-14	P22	235.3227	-2.64	23-17	R13	235.9236	-2.31	14- 4	O52	236.3111	-2.70	26-23	R11
234.1556	-3.01	14- 4	P22	234.6399	-1.43	17- 8	R33	235.3236	-1.12	17- 8	P35	235.9323	-2.51	15- 5	R25	236.3120	-2.25	15- 5	Q24
234.1563	-1.46	16- 6	Q16	234.6447	-4.89	19-11	P28	235.3247	-2.41	21-14	P29	235.9329	-3.09	15- 5	P 8	236.3152	-2.52	23-17	P21
234.1581	-4.58	19-11	Q27	234.6463	-1.70	17- 8	P20	235.3247	-2.42	25-21	P17	235.9336	-2.47	15- 5	Q14	236.3156	-2.38	15- 5	R34
234.1613	-1.56	17- 8	R24	234.6525	-2.13	21-14	O26	235.3264	-2.77	14- 4	P38	235.9602	-2.21	23-17	O20	-236.3186	-2.66	14- 4	P48
234.1767	-1.98	17- 8	P11	-234.6563	-2.64	14- 4	R47	235.3272	-2.03	25-21	Q19	235.9623	-2.45	15- 5	Q15	236.3248	-2.51	20-12	K17
234.1775	-2.68	21-14	P16	234.6566	-2.45	25-21	R13	235.3298	-2.54	23-17	O 9	235.9629	-2.62	23-17	P17	236.3314	-3.01	20-12	P 7
-234.1782	-2.71	14- 4	R40	234.6691	-1.25	17- 8	O26	235.3480	-2.37	14- 4	O46	235.9666	-3.03	15- 5	P 9	236.3379	-2.43	20-12	Q11
234.1853	-2.55	14- 4	Q30	234.6780	-2.72	25-21	P 9	235.3570	-3.04	23-17	R 7	235.9666	-2.49	15- 5	R26	236.3522	-2.49	26-23	Q10
234.1937	-1.43	17- 8	Q17	234.6791	-2.87	14- 4	P30	235.3615	-2.62	23-17	R14	235.9675	-3.33	26-23	R 1	236.3589	-2.71	15- 5	P18
234.1956	-2.24	21-14	Q20	234.6851	-2.26	25-21	Q11	235.3656	-2.50	23-17	Q10	235.9690	-1.43	17- 8	P36	236.3607	-2.23	15- 5	Q25
-234.2070	-1.54	17- 8	R25	-234.6982	-2.45	14- 4	Q38	235.3948	-1.51	17- 8	P30	235.9707	-3.51	26-23	R 0	236.3630	-2.49	20-12	R18
234.2102	-2.42	21-14	R25	234.7025	-1.42	17- 8	R34	235.3997	-2.98	23-17	P 8	235.9740	-3.21	23-23	R 2	-236.3631	-2.37	15- 5	R35
234.2110	-4.98	19-11	P23	234.7137	-1.67	17- 8	P21	235.4064	-2.59	23-17	R15	235.9829	-2.41	23-17	R24	236.3692	-2.94	20-12	P 8
234.2145	-2.99	14- 4	P23	234.7179	-2.42	25-21	R14	235.4091	-2.66	23-17	O11	235.9871	-3.33	26-23	Q 1	236.3724	-2.39	20-12	Q12
-234.2169	-1.41	16- 7	P45	234.7279	-2.51	21-14	P23	235.4106	-1.11	17- 8	R36	235.9900	-3.11	26-23	R 3	236.3726	-2.91	26-23	P 9

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
236.5689	-6.28	12-	1	R 4	236.8317	-1.63	18-	9	R21	237.1428	-5.35	12-	1	Q25	-237.8028	-2.19	15-	5	R54
236.5708	-1.91	18-	9	R10	236.8328	-5.57	12-	1	O15	237.1428	-5.05	22-	15	P 9	-237.8062	-2.37	15-	5	P38
236.5747	-5.76	12-	1	R18	236.8331	-5.17	22-	15	R 4	-237.1443	-2.60	14-	4	P55	-237.8084	-4.28	22-	15	Q23
236.5762	-2.17	15-	5	O29	236.8356	-2.33	20-	12	R27	237.1552	-1.51	18-	9	R28	-237.8210	-5.62	12-	1	P29
236.5789	-2.51	18-	9	R 1	236.8359	-5.35	22-	15	R 2	237.1580	-2.24	26-	23	Q18	-237.8314	-1.19	18-	9	Q31
236.5792	-6.36	12-	1	R 3	236.8376	-5.05	22-	15	R 6	237.1720	-2.07	20-	12	Q26	-237.8396	-2.34	20-	12	P29
236.5821	-1.87	18-	9	R11	236.8388	-2.59	20-	12	P17	237.1735	-1.36	18-	9	Q21	-237.8586	-4.67	22-	15	P20
236.5844	-2.61	15-	5	P22	236.8397	-5.10	22-	15	R 5	237.1750	-1.52	22-	15	O13	-237.8681	-1.97	15-	5	O46
236.5856	-5.74	12-	1	R19	236.8408	-6.22	12-	1	P 8	237.1778	-5.34	12-	1	Q26	-237.8690	-5.60	12-	1	P30
236.5893	-2.25	20-	12	Q17	236.8417	-2.54	15-	5	P26	-237.1781	-2.25	15-	5	R47	-237.8757	-1.59	18-	9	P26
236.5905	-6.46	12-	1	R 2	236.8418	-5.47	22-	15	R 1	-237.1791	-2.05	15-	5	P38	-237.8912	-4.26	22-	15	Q24
236.5918	-2.69	18-	9	R 0	236.8455	-2.42	23-	17	P26	237.1836	-4.65	22-	15	R18	-237.9003	-2.18	15-	5	R55
236.5942	-2.39	20-	12	R23	236.8492	-4.99	22-	15	R 7	237.1839	-5.86	12-	1	P17	-237.9023	-2.36	15-	5	P39
236.5958	-1.84	18-	9	R12	236.8515	-5.65	22-	15	R 0	237.1862	-2.61	26-	23	P17	-237.9120	-1.18	18-	9	Q32
236.5964	-2.38	26-	23	Q13	236.8573	-5.54	12-	1	O16	237.1896	-1.81	18-	9	P16	-237.9448	-4.65	22-	15	P21
236.5983	-5.72	12-	1	R20	236.8578	-2.09	18-	9	P 9	237.1914	-4.99	22-	15	P10	-237.9451	-2.33	20-	12	P30
236.6009	-2.71	20-	12	P13	236.8618	-2.53	26-	23	R17	237.2035	-2.47	20-	12	P22	-237.9474	-5.59	12-	1	P31
236.6013	-2.32	15-	5	R39	236.8632	-4.95	22-	15	R 8	237.2122	-2.46	15-	5	P31	-237.9581	-1.57	18-	9	P27
236.6029	-6.59	12-	1	R 1	236.8643	-1.53	18-	9	Q14	-237.2131	-1.50	18-	9	R29	-237.9653	-1.96	15-	5	Q47
236.6098	-2.51	18-	9	Q 1	236.8688	-5.47	22-	15	D 1	237.2205	-5.32	12-	1	Q27	-237.9775	-4.24	22-	15	Q25
236.6120	-5.70	12-	1	R21	236.8705	-1.61	18-	9	R22	237.2229	-4.49	22-	15	O14	-237.9973	-1.16	18-	9	Q33
236.6122	-1.81	18-	9	R13	236.8721	-2.28	15-	5	R43	237.2278	-1.34	18-	9	Q22	-238.0027	-2.35	15-	5	P40
236.6149	-2.29	18-	9	Q 2	236.8743	-6.16	12-	1	P 9	237.2288	-5.83	12-	1	P18	-238.0031	-2.17	15-	5	R56
236.6183	-6.76	12-	1	R 0	236.8764	-5.25	22-	15	O 2	237.2351	-5.63	22-	15	R19	-238.0349	-4.63	22-	15	P22
236.6206	-2.46	23-	17	P24	236.8803	-2.14	20-	12	Q22	237.2370	-2.05	20-	12	P27	-238.0436	-1.56	18-	9	P28
236.6225	-2.14	18-	9	Q 3	236.8805	-4.91	22-	15	R 9	237.2433	-4.95	22-	15	P11	-238.0550	-1.95	15-	5	Q48
236.6233	-2.77	26-	23	P12	236.8830	-5.52	12-	1	O17	237.2468	-1.78	18-	9	P17	-238.0986	-2.34	15-	5	P41
236.6281	-5.68	12-	1	R22	236.8877	-5.10	22-	15	O 3	-237.2581	-2.04	15-	5	R39	-238.1098	-2.17	15-	5	R57
236.6310	-1.78	18-	9	R14	236.8894	-2.10	15-	5	P34	-237.2600	-2.24	15-	5	R48	-238.1185	-2.47	16-	6	R12
236.6320	-2.03	18-	9	Q 4	236.8978	-2.03	18-	9	P10	237.2637	-5.31	12-	1	Q28	-238.1280	-4.61	22-	15	P23
236.6375	-6.59	12-	1	Q 1	236.8986	-2.62	14-	4	P53	237.2727	-4.66	22-	15	Q15	-238.1319	-1.54	18-	9	P29
236.6383	-2.15	15-	5	Q30	236.9006	-4.99	22-	15	O 4	-237.2749	-1.48	18-	9	R30	-238.1476	-2.71	16-	6	R6
236.6407	-2.22	20-	12	Q18	236.9010	-1.50	18-	9	Q15	237.2750	-5.81	12-	1	P19	-238.1563	-2.44	16-	6	R13
236.6413	-6.36	12-	1	O 2	236.9031	-4.87	22-	15	R10	237.2847	-1.32	18-	9	Q23	-238.1571	-1.94	15-	5	Q49
236.6444	-1.95	18-	9	Q 5	236.9056	-2.31	20-	12	R28	-237.2903	-4.61	22-	15	R20	-238.1623	-2.61	16-	6	R8
236.6457	-2.59	15-	5	P23	236.9060	-2.56	20-	12	P18	-237.2909	-2.45	15-	5	P32	-238.1666	-2.57	16-	6	R9
236.6459	-2.99	18-	9	P 2	236.9063	-2.29	26-	23	Q16	237.2925	-5.29	12-	1	Q29	-238.1724	-2.77	16-	6	R5
236.6459	-5.66	12-	1	R23	236.9080	-6.11	12-	1	P10	237.3006	-4.91	22-	15	P12	-238.1735	-2.53	16-	6	R10
236.6475	-2.75	20-	12	R24	236.9100	-5.49	12-	1	O18	237.3065	-1.76	18-	9	P18	-238.1776	-2.84	16-	6	R4
236.6480	-6.22	12-	1	Q 3	236.9112	-2.52	15-	5	P27	237.3127	-2.58	26-	23	P18	-238.1829	-2.41	16-	6	R14
236.6520	-1.76	18-	9	R15	236.9117	-1.59	18-	9	R23	237.3229	-5.78	12-	1	P20	-238.1841	-2.92	16-	6	R3
236.6559	-6.11	12-	1	Q 4	236.9178	-4.91	22-	15	Q 5	237.3276	-4.43	22-	15	Q16	-238.1846	-2.50	16-	6	R11
236.6561	-2.68	20-	12	P14	236.9197	-1.84	22-	15	R11	237.3278	-2.03	20-	12	Q28	-238.1944	-3.01	16-	6	R2
236.6583	-2.84	14-	4	P51	236.9282	-5.65	22-	15	P 3	-237.3367	-1.47	18-	9	R31	-238.2002	-2.32	15-	5	P42
236.6587	-1.87	18-	9	Q 6	236.9387	-5.47	12-	1	Q19	-237.3384	-2.03	15-	5	P40	-238.2019	-2.38	16-	6	R15
236.6648	-6.02	12-	1	O 5	236.9389	-2.67	26-	23	P15	237.3439	-1.30	18-	9	O24	-238.2070	-3.14	16-	6	R1
236.6658	-2.31	15-	5	R40	236.9396	-4.84	22-	15	Q 6	-237.3455	-2.23	15-	5	R49	-238.2117	-2.16	15-	5	R58
236.6666	-5.65	12-	1	R24	236.9400	-1.99	18-	9	P11	237.3485	-4.59	22-	15	R21	-238.2203	-1.53	18-	9	P30
236.6690	-2.69	18-	9	P 3	236.9401	-1.47	18-	9	O16	237.3516	-5.28	12-	1	O30	-238.2209	-2.36	16-	6	R16
236.6756	-1.73	18-	9	R16	236.9435	-2.27	15-	5	R44	237.3518	-4.87	22-	15	P13	-238.2213	-3.31	16-	6	R 0
236.6756	-5.95	12-	1	Q 6	236.9437	-6.06	12-	1	P11	237.3689	-1.73	18-	9	P19	-238.2248	-4.59	22-	15	P24
236.6759	-7.06	12-	1	Q19	236.9477	-2.12	20-	12	Q23	237.3706	-2.43	20-	12	P24	-238.2400	-3.14	16-	6	R15
236.6760	-1.81	18-	9	Q 7	236.9488	-4.80	22-	15	R12	237.3722	-5.76	12-	1	P21	-238.2407	-2.34	16-	6	R17
236.6872	-5.89	12-	1	O 7	236.9556	-1.57	18-	9	R22	-237.3814	-2.43	15-	5	P33	-238.2443	-2.92	16-	6	O 2
236.7019	-1.71	18-	9	R17	236.9800	-6.02	12-	1	P12	237.4232	-5.74	12-	1	P22	-238.2830	-2.50	16-	6	O 7
236.7032	-2.16	15-	5	Q31	236.9816	-1.44	18-	9	Q17	-237.4300	-2.22	15-	5	R50	-238.2856	-2.29	16-	6	R19
236.7082	-2.36	20-	12	R25	236.9852	-1.95	18-	9	P12	237.4335	-1.71	18-	9	P20	-238.3002	-3.31	16-	6	P 3
236.7088	-2.58	15-	5	P24	236.9870	-5.35	22-	15	P 5	237.4665	-4.38	22-	15	Q18	-238.3033	-2.31	20-	12	R2
236.7142	-2.64	20-	12	P15	236.9946	-4.72	22-	15	O 8	-237.4674	-2.42	15-	5	P34	-238.3107	-2.02	16-	6	R20
236.7160	-5.78	12-	1	Q 9	236.9999	-5.43	12-	1	Q21	237.4701	-1.26	18-	9	Q26	-238.3145	-1.51	18-	9	P31
236.7176	-1.71	18-	9	Q 25	237.0018	-1.56	18-	9	R25	237.4714	-2.56	22-	15	P19	-238.3224	-2.15	15-	5	R59
236.7213	-2.73	26-	23	P13	237.0118	-4.67	22-	15	O 9	237.4753	-5.52	12-	1	P23	-238.3250	-3.14	16-	6	P 4
236.7220	-2.3																		

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ				
238,9165	-3.19	25-20	R17	-239,3002	-1.86	15-	5	059	239,5958	-1.84	19-10	Q9	-240,0803	-1.90	16-	6	R50	-240,6922	-1.33	19-10	Q30		
238,9178	-5.24	24-18	R5	239,3026	-4.55	13-	2	024	239,5970	-2.52	19-10	P5	-240,0823	-1.64	19-10	R28	-240,7032	-1.63	16-	6	Q48		
238,9221	-3.42	25-20	P12	239,3068	-2.88	21-13	Q1	239,5998	-5.24	24-18	R21	-240,0884	-1.94	19-10	P16	-240,7041	-2.01	16-	6	P41			
238,9252	-6.34	24-18	R0	239,3079	-5.21	24-18	Q13	239,6068	-4.44	13-	2	Q31	-240,0937	-2.13	21-13	P18	-240,7063	-2.34	23-16	Q13			
238,9274	-4.78	13-	2	R27	239,3097	-2.28	21-13	R10	239,6083	-2.17	16-	6	P29	-240,0962	-4.78	13-	2	P30	-240,7124	-1.74	19-10	P25	
238,9296	-5.74	24-18	R6	239,3125	-2.66	21-13	Q2	239,6112	-1.75	16-	6	Q36	-240,1149	-1.68	16-	6	Q42	-240,7151	-2.15	15-	5	P62	
238,9308	-4.88	13-	2	Q11	239,3127	-2.87	25-20	Q19	239,6185	-4.92	13-	2	P22	-240,1167	-2.08	16-	6	P35	-240,7160	-2.82	23-16	P10	
238,9312	-2.36	16-	6	P19	239,3128	-2.23	16-	6	P25	239,6201	-2.40	21-13	P10	-240,1328	-1.47	19-10	Q22	-240,7302	-5.24	24-18	P26		
-238,9331	-1.88	15-	5	Q56	-239,3209	-1.80	16-	6	Q32	239,6219	-1.80	19-10	Q10	-240,1330	-2.18	15-	5	P58	-240,7325	-2.48	23-16	R18	
238,9385	-5.64	13-	2	P5	239,3222	-2.51	21-13	Q3	239,6237	-5.50	24-18	P15	-240,1344	-1.92	19-10	P17	-240,7573	-2.31	23-16	Q14			
-238,9401	-2.05	16-	6	R35	239,3259	-5.06	13-	2	P16	239,6243	-1.90	21-13	Q14	-240,1409	-1.63	19-10	R29	-240,7671	-2.41	17-	7	R7	
238,9424	-6.16	24-18	R1	239,3283	-5.36	24-18	R17	239,6251	-1.82	19-10	R18	-240,1506	-1.69	21-13	Q23	-240,7674	-2.36	17-	7	K8			
238,9455	-5.69	24-18	R7	239,3283	-2.24	21-13	R11	239,6280	-2.42	19-10	P6	-240,1616	-5.34	24-18	P21	-240,7687	-2.46	17-	7	R6			
238,9494	-4.84	13-	2	Q12	-239,3337	-1.98	16-	6	R41	239,6378	-2.02	21-13	R20	-240,1662	-4.76	13-	2	P31	-240,7694	-2.78	23-16	P11	
238,9506	-5.94	24-18	O2	239,3345	-2.40	21-13	Q4	239,6379	-5.07	24-18	Q18	-240,1670	-2.10	21-13	P19	-240,7702	-1.96	21-13	P26				
-238,9517	-1.89	16-	6	Q26	-239,3361	-2.23	15-	5	P52	239,6440	-1.94	16-	6	R45	-240,1740	-4.95	24-18	Q24	-240,7703	-2.32	17-	7	R9
238,9554	-4.76	13-	2	R28	239,3415	-3.26	25-20	P27	239,6504	-1.76	19-10	Q11	-240,1783	-1.89	16-	6	R51	-240,7725	-2.51	17-	7	R5	
238,9637	-5.80	24-18	Q3	239,3425	-3.36	21-13	P2	239,6526	-3.19	25-20	P20	-240,1899	-1.45	19-10	Q23	-240,7752	-2.28	17-	7	R10			
238,9642	-5.64	24-18	R8	239,3435	-4.53	13-	2	Q25	239,6595	-4.42	13-	2	Q32	-240,2017	-1.89	19-10	P18	-240,7764	-1.32	19-10	Q31		
238,9668	-5.54	13-	2	P6	239,3491	-5.64	24-18	P11	239,6617	-2.34	19-10	P7	-240,2074	-1.67	16-	6	Q43	-240,7786	-2.58	17-	7	R4	
238,9701	-4.81	13-	2	Q13	239,3498	-2.32	21-13	O5	239,6639	-1.80	19-10	R19	-240,2093	-1.61	19-10	R30	-240,7821	-2.25	17-	7	R11		
238,9710	-5.69	24-18	O4	239,3504	-2.21	21-13	R12	239,6684	-2.36	21-13	P11	-240,2095	-2.07	16-	6	P36	-240,7863	-2.66	17-	7	K3		
-238,9725	-2.26	15-	5	P49	239,3654	-5.18	24-18	Q14	239,6707	-1.87	21-13	Q15	-240,2257	-1.67	21-13	Q24	-240,7883	-2.45	23-16	R19			
238,9764	-2.97	25-20	O15	239,3660	-3.06	21-13	P3	239,6735	-4.90	13-	2	P23	-240,2269	-4.75	13-	2	P32	-240,7916	-2.21	17-	7	R12	
238,9768	-6.64	24-18	P2	239,3680	-2.24	21-13	Q3	239,6763	-5.26	24-18	R22	-240,2432	-2.08	21-13	P20	-240,7964	-2.76	17-	7	R2			
238,9868	-4.75	13-	2	R29	239,3703	-5.03	13-	2	P17	239,6816	-1.72	19-10	O12	-240,2552	-1.43	19-10	Q24	-240,7974	-1.72	19-10	P26		
238,9881	-5.60	24-18	R9	239,3747	-2.18	21-13	R13	239,6856	-2.00	21-13	R21	-240,2666	-5.32	24-18	P22	-240,8028	-2.18	17-	7	R13			
238,9900	-2.34	16-	6	P20	-239,3839	-2.22	16-	6	P26	239,6884	-2.15	16-	6	P30	-240,2683	-1.86	19-10	P19	-240,8090	-2.88	17-	7	R1
238,9907	-3.16	25-20	R18	239,3867	-4.51	13-	2	Q26	239,6892	-1.74	16-	6	Q37	-240,2700	-1.88	16-	6	R52	-240,8117	-2.28	23-16	U15	
238,9922	-4.78	13-	2	Q14	239,3882	-5.34	24-18	R18	239,6948	-1.84	15-	5	O62	-240,2735	-1.60	19-10	R31	-240,8128	-2.00	16-	6	P42	
238,9953	-5.46	13-	2	P7	239,3896	-2.18	21-13	Q7	239,6978	-2.27	19-10	P8	-240,2770	-2.17	15-	5	P59	-240,8159	-1.62	16-	6	U49	
238,9954	-5.60	24-18	Q5	-239,3897	-1.79	16-	6	O33	239,6998	-1.74	19-10	R20	-240,2805	-4.93	24-18	Q25	-240,8166	-2.16	17-	7	R14		
238,9963	-3.39	25-20	P13	239,3935	-2.88	21-13	P4	239,7027	-5.47	24-18	P16	-240,2989	-4.73	13-	2	P33	-240,8232	-3.06	17-	7	R0		
-238,9997	-2.03	16-	6	R36	239,4034	-2.15	21-13	R14	239,7151	-5.05	24-18	Q19	-240,3032	-1.66	16-	6	Q44	-240,8263	-2.73	23-16	P12		
239,0021	-6.34	24-18	P18	239,4077	-1.97	16-	6	R42	239,7153	-1.69	19-10	Q13	-240,3040	-2.06	16-	6	P37	-240,8326	-2.13	17-	7	R15	
-239,0086	-1.87	16-	6	Q27	239,4097	-2.85	25-20	Q20	239,7198	-1.84	21-13	O16	-240,3046	-1.65	21-13	Q25	-240,8420	-2.88	17-	7	Q1		
239,0089	-4.73	13-	2	R30	239,4113	-5.60	24-18	P12	239,7199	-2.32	21-13	P12	-240,3121	-1.41	19-10	Q25	-240,8467	-2.66	17-	7	Q2		
239,0160	-5.56	24-18	R10	239,4139	-2.13	21-13	Q8	239,7239	-1.93	16-	6	R46	-240,3230	-2.06	21-13	P21	-240,8477	-2.43	23-16	R20			
239,0160	-4.75	13-	2	Q15	239,4167	-5.01	13-	2	P18	239,7250	-1.70	19-10	R21	-240,3377	-1.84	19-10	P20	-240,8506	-2.10	17-	7	R16	
239,0208	-5.53	24-18	G6	239,4236	-2.76	21-13	P5	239,7250	-2.20	15-	5	P55	-240,3423	-3.08	23-16	R3	-240,8530	-2.51	17-	7	Q3		
239,0263	-5.39	13-	2	P8	239,4240	-2.22	19-10	R6	239,7304	-4.88	13-	2	P24	-240,3426	-3.00	23-16	R4	-240,8553	-1.31	19-10	Q32		
239,0324	-6.16	24-18	P4	239,4244	-2.27	19-10	R5	239,7369	-2.22	19-10	P9	-240,3458	-3.17	23-16	R2	-240,8562	-5.23	24-18	P27				
239,0411	-4.72	13-	2	Q16	239,4266	-2.17	19-10	R7	239,7402	-1.98	21-13	R22	-240,3471	-2.93	23-16	R5	-240,8617	-2.41	17-	7	R4		
239,0423	-4.72	13-	2	R31	239,4271	-5.15	24-18	Q15	239,7520	-1.60	19-10	Q14	-240,3471	-1.59	19-10	R32	-240,8646	-1.91	21-13	P27			
239,0474	-5.53	24-18	R11	239,4273	-2.34	19-10	R4	239,7603	-5.24	24-18	R23	-240,3517	-3.30	23-16	R1	-240,8676	-2.14	15-	5	P63			
239,0498	-5.47	24-18	O7	-239,4294	-1.85	15-	5	O60	239,7667	-3.16	25-20	P21	-240,3550	-2.87	23-16	R6	-240,8701	-2.26	23-16	U16			
239,0507	-2.31	16-	6	P21	239,4316	-2.12	19-10	R8	239,7693	-4.24	16-	6	P31	-240,3623	-3.48	23-16	R0	-240,8707	-2.08	17-	7	R17	
239,0531	-2.95	25-20	Q16	239,4327	-2.42	19-10	R3	239,7699	-1.73	16-	6	Q38	-240,3665	-2.82	23-16	R7	-240,8729	-2.32	17-	7	Q5		
-239,0545	-1.88	15-	5	Q57	239,4340	-4.50	13-	2	P27	239,7712	-1.74	19-10	R22	-240,3759	-5.24	24-18	P23	-240,8798	-3.36	17-	7	P2	
239,0569	-6.04	24-18	P5	239,4346	-2.13	21-13	R15	239,7720	-1.81	21-13	Q17	-240,3760	-1.87	16-	6	R53	-240,8848	-1.70	19-10	P27			
239,0580	-5.33	13-	2	P9	239,4356	-2.08	19-10	R9	239,7742	-2.28	21-13	P13	-240,3799	-1.63	21-13	Q26	-240,8857	-2.25	17-	7	Q6		
-239,0621	-2.02	16-	6	R37	239,4396	-2.53	25-20	P18	239,7784	-2.17	19-10	P10	-240,3809	-1.63	21-13	Q26	-240,8879	-2.70	23-16	P13			
239,0665	-1.86	16-	6	Q28	239,4410	-2.52	19-10	U6	239,7861	-5.44	24-18	P17	-240,3817	-2.78									

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ			
241.0670	-2.19	23.16	Q19	-241.6177	-1.79	17-	7	R35	242.5922	-2.98	22-14	R 0	243.0976	-2.26	20-11	P16	243.5332	-2.00	18- 8	R13		
241.0763	-1.94	17-	7	R24	-241.6240	-1.93	16-	6	P49	242.5932	-2.16	20-11	O 9	243.1015	-1.80	20-11	Q21	243.5377	-3.69	15- 4	Q10	
241.0797	-4.21	14-	3	R21	-241.6247	-1.56	16-	6	Q56	242.6011	-2.16	20-11	R17	243.1030	-2.99	26-21	O 8	-243.5382	-1.75	17- 7	P42	
241.0856	-5.09	14-	3	Q 1	241.6295	-2.08	17-	7	P20	242.6041	-2.24	22-14	R 9	243.1037	-1.73	22-14	Q17	243.5412	-2.87	18- 8	R 0	
-241.0871	-1.67	19-10	P29	241.6302	-3.86	14-	3	Q25	242.6103	-2.80	22-14	O 1	-243.1049	-1.79	17-	P38	243.5491	-1.97	18- 8	R14		
241.0878	-2.46	17-	7	P 9	241.6436	-4.37	14-	3	P17	242.6178	-2.58	22-14	Q 2	243.1180	-3.11	26-21	R11	243.5504	-2.73	26-21	Q15	
241.0894	-4.87	14-	3	Q 2	241.6634	-1.62	17-	7	Q27	242.6207	-2.11	20-11	Q10	-243.1369	-1.40	17-	7	Q45	243.5523	-3.14	26-21	P13
241.0937	-2.60	23-16	P16	241.6739	-3.85	14-	3	Q26	242.6212	-2.20	22-14	R10	243.1457	-3.45	26-21	P 7	243.5546	-4.41	15- 4	P 5		
241.0940	-4.72	14-	3	Q 3	-241.6816	-1.59	19-10	P35	242.6221	-2.74	20-11	P 6	243.1502	-2.94	26-21	Q 9	243.5570	-3.58	15- 4	R25		
241.0962	-4.19	14-	3	R22	-241.6872	-1.78	17-	7	R36	-242.6243	-1.85	17-	P 33	243.1504	-1.88	22-14	R23	243.5575	-3.65	15- 4	Q11	
241.0993	-1.87	17-	7	Q15	241.6916	-4.34	14-	3	P18	242.6276	-2.43	22-14	O 3	243.1561	-2.16	22-14	P14	243.5603	-2.69	18- 8	Q 1	
241.1012	-4.62	14-	3	Q 4	241.6921	-2.06	17-	7	P21	242.6362	-2.14	20-11	R18	243.1619	-1.71	22-14	Q18	243.5647	-2.47	18- 8	Q 2	
241.1093	-4.53	14-	3	Q 5	241.7057	-2.43	23-16	P23	242.6398	-2.32	22-14	Q 4	243.1627	-1.78	20-11	Q22	243.5677	-1.94	18- 8	R15		
241.1192	-4.46	14-	3	S 6	241.7208	-3.83	14-	3	Q27	242.6427	-2.12	22-14	R11	243.1668	-2.23	20-11	P17	243.5715	-2.33	18- 8	Q 3	
241.1205	-4.17	14-	3	R23	241.7273	-1.60	17-	7	Q28	242.6457	-2.07	20-11	Q11	243.1696	-3.08	26-21	R12	243.5777	-3.61	15- 4	Q12	
241.1210	-1.93	17-	7	R25	241.7411	-4.31	14-	3	P19	242.6466	-3.28	22-14	P 2	243.2001	-3.38	26-21	P 8	243.5809	-2.22	18- 8	Q 4	
241.1242	-5.57	14-	3	P 2	-241.7514	-1.92	16-	6	P50	-242.6469	-1.45	17-	7	Q40	243.2038	-2.90	26-21	O10	243.5834	-1.79	22-14	R29
241.1258	-2.41	17-	7	P10	241.7568	-2.04	17-	7	P22	242.6559	-2.24	22-14	O 5	-243.2127	-1.78	17-	P39	243.5837	-4.31	15- 4	P 6	
241.1310	-4.39	14-	3	Q 7	-241.7570	-1.77	17-	7	R37	242.6573	-2.66	20-11	P 7	243.2140	-2.21	20-11	P18	243.5858	-1.59	22-14	Q24	
241.1342	-1.84	17-	7	Q16	241.7769	-3.81	14-	3	Q28	242.6665	-2.13	22-14	R12	243.2150	-1.86	22-14	R24	243.5861	-3.56	15- 4	R26	
241.1405	-2.16	23-16	Q20	241.7929	-4.29	14-	3	P20	242.6722	-2.98	22-14	P 3	243.2197	-2.13	22-14	P15	243.5872	-2.00	22-14	P20		
241.1435	-4.15	14-	3	R24	-241.8045	-1.76	17-	7	R38	242.6735	-2.11	20-11	R19	243.2238	-1.69	22-14	Q19	243.5894	-1.92	18- 8	R16	
241.1443	-4.34	14-	3	S 8	-241.8050	-1.59	17-	7	Q29	242.6752	-2.16	22-14	Q 6	243.2267	-3.05	26-21	R13	243.5897	-2.09	20-11	P23	
-241.1477	-1.97	16-	6	P45	241.8083	-2.41	23-16	P22	242.6827	-2.04	20-11	O12	243.2270	-1.76	20-11	Q23	243.5923	-2.13	18- 8	Q 5		
241.1479	-5.27	14-	3	P 3	241.8142	-3.80	14-	3	Q29	242.6938	-2.10	22-14	R13	-243.2459	-1.39	17-	T 46	243.5962	-2.92	26-21	R18	
241.1482	-1.59	16-	6	Q52	241.8240	-2.02	17-	7	P23	242.6951	-2.59	20-11	P 8	243.2593	-3.32	26-21	P 9	243.5984	-3.17	18- 8	P 2	
241.1544	-1.91	17-	7	R26	241.8459	-2.27	14-	3	P21	-242.6967	-1.87	16-	6	P57	243.2626	-2.86	26-21	Q11	243.6023	-3.58	15- 4	Q13
241.1595	-4.29	14-	3	Q 9	-241.8538	-1.57	17-	7	Q30	242.6973	-2.10	22-14	Q 7	243.2829	-1.85	22-14	R25	243.6062	-2.06	18- 8	Q 6	
-241.1619	-1.66	19-10	P30	241.8667	-3.78	14-	3	O30	242.7001	-2.80	22-14	P 4	243.2865	-2.18	20-11	P19	243.6143	-4.23	15- 4	P 7		
241.1665	-2.36	17-	7	P11	241.8770	-1.92	16-	6	P51	-242.7120	-1.84	17-	T 3	243.2867	-2.10	22-14	P16	243.6165	-3.35	15- 4	R27	
241.1677	-4.14	14-	3	R25	-241.8927	-1.75	17-	7	R39	242.7129	-2.09	20-11	R20	243.2897	-3.02	26-21	R14	243.6209	-1.69	18- 8	R17	
241.1698	-2.57	23-16	P17	241.8935	-2.00	17-	7	P24	242.7200	-2.01	20-11	Q13	243.2909	-1.67	22-14	Q20	243.6219	-2.87	18- 8	P 3		
241.1710	-1.82	17-	7	Q17	241.9095	-2.25	14-	3	P22	242.7232	-2.05	22-14	Q 8	243.2934	-1.75	20-11	Q24	243.6224	-2.00	18- 8	Q 7	
241.1720	-5.09	14-	3	P 4	241.9157	-2.40	23-16	P25	242.7245	-2.07	22-14	R14	-243.2980	-1.77	17-	T 40	243.6267	-3.55	15- 4	G14		
241.1767	-4.25	14-	3	Q10	-241.9232	-1.56	17-	7	Q31	242.7304	-2.68	22-14	P 5	243.3239	-3.27	26-21	P10	243.6294	-1.87	18- 8	R18	
241.1843	-4.21	14-	3	Q11	241.9575	-4.23	14-	3	P23	242.7355	-2.53	20-11	P 9	243.3263	-2.83	26-21	R12	243.6357	-2.70	26-21	Q16	
241.1953	-4.12	14-	3	R26	241.9649	-1.98	17-	7	P25	-242.7432	-1.44	17-	7	Q41	243.3416	-3.97	15- 4	R 9	243.6388	-3.11	26-21	P14
241.1988	-4.97	14-	3	P 5	241.9685	-1.74	17-	7	R40	242.7526	-2.00	22-14	Q 9	243.3411	-3.93	15- 4	R10	243.6407	-1.94	18- 8	Q 8	
241.1996	-1.90	17-	7	R27	-241.9955	-1.55	17-	7	Q32	242.7556	-2.07	20-11	R21	243.3417	-3.90	15- 4	R11	243.6464	-4.17	15- 4	P 8	
241.2091	-2.32	17-	7	P12	-242.0082	-1.81	16-	6	P52	242.7583	-1.97	20-11	Q14	243.3422	-4.01	15- 4	R 8	243.6478	-2.69	18- 8	P 4	
241.2099	-1.79	17-	7	Q18	242.0160	-4.21	14-	3	P24	242.7584	-2.05	22-14	R15	243.3463	-4.06	15- 4	R 7	243.6497	-3.53	15- 4	R28	
241.2142	-4.17	14-	3	O12	-242.0392	-1.96	17-	7	P26	242.7664	-2.58	22-14	P 6	-243.3465	-1.38	17-	T 047	243.6542	-3.52	15- 4	Q15	
241.2176	-2.14	23-16	O21	-242.0524	-1.73	17-	7	R41	242.7784	-2.48	20-11	P10	243.3466	-3.87	15- 4	R12	243.6598	-1.85	18- 8	R19		
241.2232	-4.11	14-	3	R27	-242.0730	-1.53	17-	7	Q33	242.7852	-1.96	22-11	P11	243.3511	-4.11	15- 4	R 6	-243.6605	-1.74	17-	T 43	
241.2264	-4.87	14-	3	P 6	242.0763	-4.19	14-	3	P25	242.7956	-2.02	22-14	R16	243.3514	-3.84	15- 4	R13	243.6617	-1.89	18- 8	Q 9	
241.2361	-4.14	14-	3	Q13	-242.1190	-1.72	17-	7	R42	242.8010	-1.95	20-11	Q15	243.3540	-1.83	22-14	R26	243.6686	-1.57	22-14	Q25	
-241.2423	-1.88	17-	7	R28	242.1218	-1.94	17-	7	P27	242.8013	-2.06	20-11	R22	243.3570	-2.07	22-14	P17	243.6726	-2.07	20-11	P24	
241.2496	-2.55	23-16	P18	242.1383	-4.13	17-	4	P26	242.8021	-2.50	22-14	P 7	243.3577	-2.99	26-21	R15	243.6727	-1.98	22-14	P21		
241.2515	-1.77	17-	7	Q19	-242.1429	-1.52	17-	7	Q34	-242.8087	-1.83	17-	T 3	243.3584	-4.17	15- 4	R 5	243.6764	-2.57	18- 8	P 5	
241.2538	-2.28	17-	7	P13	-242.1440	-1.90	16-	6	P53	242.8204	-1.92	22-14	Q11	243.3588	-3.16	26-21	R20	243.6809	-4.11	15- 4	P 9	
241.2543	-4.09	14-	3	Q15	242.1931	-1.93	17-	7	P28	242.8244	-2.44	20-11	P11	243.3593	-3.81	15- 4	R14	243.6825	-3.49	15- 4	Q16	
241.2558	-4.79	14-	3	P 7	242.2015	-4.15	14-	3	P27	242.8357	-2.00	22-14	R17	243.3593	-1.64	22-14	Q21	243.6846	-3.52	15- 4	R29	
-241.2573	-1.64	19-10	P31	-242.2031	-1.71	17-	7	R43	242.8483	-2.43	22-14</td											

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ		
243.9392	-2.13	18-	8	P12	-244.4386	-1.63	18-	8	Q27	245.0716	-2.79	27-23	Q12	245.8301	-1.6-	5	R 4	246.2236	-2.97	16- 5 Q18	
243.9426	-1.92	22-14	P24	-244.4391	-3.35	15-	4	R44	-245.0765	-3.08	15-	4	Q42	245.8396	-3.31	16-	5 R 15	-246.2305	-3.36	15- 4 P46	
-243.9462	-1.71	18-	8	R27	-244.4428	-1.87	18-	8	P21	245.0867	-2.18	24-17	P19	245.8405	-3.84	16-	5 R 3	-246.2329	-3.03	16- 5 R30	
243.9515	-1.60	18-	8	Q18	-244.4482	-3.19	15-	4	Q33	245.1007	-3.18	27-23	P11	245.8519	-3.28	16-	5 R 16	246.2331	-2.79	23-15 P 6	
243.9696	-3.84	15-	4	P16	-244.4627	-1.83	22-14	P26	-245.1074	-1.31	18-	8	Q36	245.8526	-3.94	16-	5 R 2	246.2424	-2.26	23-15 R15	
243.9760	-3.32	15-	4	Q24	-244.4690	-3.63	15-	4	P25	245.1119	-2.98	27-23	R14	245.8571	-2.79	21-12	Q13	246.2425	-3.04	21-12 P16	
-243.9811	-3.43	15-	4	R36	-244.4793	-1.42	18-	8	Q28	-245.1185	-3.27	15-	4	R53	245.8663	-3.26	16-	5 R 17	246.2537	-2.17	23-15 Q10
243.9861	-2.09	18-	8	P13	-244.4798	-2.13	24-17	R10	-245.1214	-3.49	15-	4	P34	245.8668	-3.32	21-12	P 9	246.2566	-2.76	21-12 R27	
243.9960	-1.58	18-	8	Q19	-244.4843	-3.34	15-	4	P35	-245.1325	-1.71	18-	8	P30	245.8670	-4.06	16-	5 R 1	246.2598	-2.95	16- 5 Q19
-244.0048	-1.69	18-	8	R26	-244.4857	-1.97	24-17	Q14	-245.1580	-1.76	24-17	Q23	245.8724	-2.88	21-12	R20	246.2641	-3.50	16- 5 P12		
-244.0101	-1.71	17-	7	P46	-244.4872	-2.43	24-17	P11	-245.1584	-3.07	15-	4	Q43	-245.8768	-3.00	15-	4 Q51	246.2667	-2.59	21-12 Q21	
244.0174	-3.81	15-	4	P17	-244.4921	-1.59	18-	8	R36	-245.1639	-2.75	27-23	Q13	245.8827	-3.24	16-	5 R 18	246.2760	-2.71	23-15 P 7	
244.0209	-3.30	15-	4	P25	-244.5075	-3.71	27-	R3	1	245.1807	-2.15	24-17	P20	245.8836	-4.24	16-	5 R 0	246.2822	-2.23	23-15 R16	
244.0304	-1.51	22-14	Q29	-244.5108	-3.17	15-	4	Q34	245.1956	-3.14	27-23	P12	245.8979	-2.76	21-12	Q14	-246.2845	-3.02	16- 5 H31		
-244.0314	-3.42	15-	4	R37	-244.5111	-3.88	27-23	R 0	-245.1981	-1.30	18-	8	Q37	245.9009	-3.22	16-	5 R 19	246.2933	-2.13	23-15 Q11	
244.0318	-2.01	20-11	P28	-244.5115	-1.85	18-	8	P22	245.2082	-2.95	27-23	R15	245.9034	-4.06	16-	5 Q 1	246.2979	-2.93	16- 5 Q20		
244.0354	-2.06	18-	8	P14	-244.5140	-3.58	27-23	R 2	-245.2310	-3.48	15-	4	P35	245.9068	-3.84	16-	5 Q 2	246.3066	-3.46	16- 5 P13	
244.0356	-2.61	26-21	R20	-244.5285	-3.71	27-23	Q 1	-245.2322	-1.69	18-	8	P31	245.9115	-3.27	21-12	P10	246.3078	-3.02	21-12 P17		
244.0407	-2.99	26-21	P18	-244.5306	-3.49	27-23	R 3	-245.2361	-3.06	15-	4	Q44	245.9122	-3.69	16-	5 Q 3	246.3096	-2.64	23-15 P 8		
244.0408	-1.90	22-14	P25	-244.5308	-3.41	27-	R3	4	245.2546	-1.74	24-17	Q24	245.9184	-2.86	21-12	R21	-246.3148	-3.35	15- 4 P47		
244.0412	-1.56	18-	8	Q20	-244.5337	-3.61	15-	4	P26	245.2639	-2.72	27-23	Q14	245.9200	-3.59	16-	5 Q 4	-246.3201	-3.01	16- 5 R32	
244.0459	-2.73	24-17	R 3	-244.5390	-2.11	24-17	R19	-245.2760	-2.13	24-17	P21	245.9208	-3.20	16-	5 R 20	246.3264	-2.74	21-12 R28			
244.0473	-2.65	24-17	R 4	-244.5422	-3.49	27-23	Q 3	-245.2824	-3.47	15-	4	P36	245.9258	-3.39	15-	4 P43	246.3267	-2.21	23-15 R17		
244.0474	-2.83	24-17	R 2	-244.5440	-1.95	24-17	O15	-245.2897	-1.28	18-	8	Q38	245.9260	-2.95	27-23	P18	246.3269	-2.15	19- 9 R 6		
244.0532	-2.59	24-17	R 5	-244.5498	-2.39	24-17	P12	-245.2981	-3.11	27-23	P13	245.9271	-1.60	18-	8 P38	246.3271	-2.10	19- 9 R 7			
244.0555	-2.96	24-17	R 1	-244.5580	-1.40	18-	8	Q29	245.3147	-2.93	27-23	R16	245.9294	-3.50	16-	5 Q 5	246.3289	-2.21	19- 9 R 5		
244.0616	-2.53	24-17	R 6	-244.5632	-4.18	27-23	P2	-245.3177	-1.68	18-	8	P32	245.9406	-3.43	16-	5 M 6	246.3297	-2.05	19- 9 R 8		
244.0648	-3.13	24-17	R 0	-244.5645	-1.58	18-	8	R37	-245.3229	-3.05	15-	4 Q45	245.9416	-2.73	21-12	Q15	246.3315	-2.57	21-12 Q22		
-244.0661	-1.68	18-	8	P18	-244.5661	-3.34	27-23	D 3	-245.3531	-1.73	24-17	Q25	245.9429	-3.18	16-	5 R 21	246.3339	-2.27	19- 9 R 4		
244.0677	-3.78	15-	4	P18	-244.5665	-3.34	27-23	R 5	-245.3695	-3.46	15-	4 P37	245.9432	-5.54	16-	5 P 2	246.3344	-2.01	19- 9 R 9		
244.0678	-3.29	15-	4	Q26	-244.5744	-3.33	24-17	R12	-245.3733	-2.69	27-23	Q15	245.9448	-2.02	24-17	P27	246.3360	-2.09	23-15 Q12		
244.0754	-2.48	24-17	R 7	-244.5752	-3.6	16-	4	P35	245.3768	-2.11	24-17	P22	245.9536	-3.36	16-	5 Q 7	246.3375	-2.91	16- 5 Q21		
244.0827	-2.96	24-17	R 17	1	-244.5774	-1.82	22-14	P30	245.4080	-3.07	27-23	P14	245.9593	-3.22	21-12	P11	246.3408	-2.35	19- 9 R 3		
-244.0841	-3.41	15-	4	R38	-244.5825	-1.83	18-	8	P32	-245.4093	-3.04	15-	4 Q46	245.9664	-4.24	16-	5 P 3	246.3422	-1.97	19- 9 R 10	
244.0868	-2.03	18-	8	P15	-244.5843	-3.88	27-23	P 3	-245.4122	-1.67	18-	8	P33	245.9668	-3.16	16-	5 R 22	246.3507	-2.45	19- 9 R 2	
244.0907	-1.54	18-	8	Q21	-244.5898	-3.28	27-23	R 6	-245.4359	-2.91	27-23	R17	245.9675	-2.84	21-12	R22	246.3509	-3.43	16- 5 P14		
244.0913	-2.73	24-17	R 2	-244.6000	-3.23	27-23	D 4	-245.4575	-3.44	21-17	R 5	245.9686	-3.83	16-	5 Q 8	246.3521	-1.94	19- 9 R 11			
244.0921	-2.43	24-17	R 17	-244.6003	-3.60	15-	4	P27	245.4576	-1.71	24-17	Q26	-245.9722	-2.99	15-	4 Q52	-246.3537	-3.00	16- 5 R33		
244.1011	-2.59	24-17	Q 3	-244.6036	-0.9	24-17	R20	-245.4818	-2.09	24-17	P23	245.9858	-3.26	16-	5 Q 9	246.3572	-2.59	23-15 P 9			
244.1107	-2.39	24-17	R 9	-244.6072	-1.91	24-17	O16	-245.4872	-2.67	27-23	Q16	245.9880	-2.70	21-12	Q16	246.3625	-2.57	19- 9 R 1			
-244.1133	-1.67	18-	8	R30	-244.6147	-2.35	24-17	P13	-245.4965	-3.03	15-	4 Q47	245.9918	-3.91	16-	5 P 4	246.3645	-1.91	19- 9 R 12		
244.1165	-3.27	15-	4	Q27	-244.6176	-3.14	27-23	P 5	-245.5091	-1.65	18-	8	P34	245.9929	-3.14	16-	5 R 23	246.3745	-2.19	23-15 R18	
244.1175	-2.48	24-17	R 17	-244.6176	-3.71	27-23	P 4	-245.5256	-3.04	27-23	P15	246.0045	-3.22	16-	5 Q 10	246.3766	-2.99	21-12 P18			
244.1185	-3.43	24-17	P 2	-244.6378	-3.23	27-23	R 7	-245.5414	-3.38	21-12	R 5	246.0100	-3.18	21-12	P12	246.3767	-2.75	19- 9 R 0			
244.1195	-3.76	15-	4	P16	-244.6420	-1.39	18-	8	R30	-245.5429	-3.32	21-12	R 6	246.0173	-2.82	21-12	R23	246.3794	-2.89	16- 5 Q22	
244.1286	-1.49	22-14	Q30	-244.6427	-3.15	15-	4	O36	245.5431	-3.44	21-12	R 4	246.0194	-3.94	16-	5 P 5	246.3795	-1.88	19- 9 R 13		
-244.1345	-1.70	17-	7	P47	-244.6474	-3.32	15-	4 R47	-245.5471	-3.52	21-12	R 3	246.0204	-3.12	16-	5 R 24	246.3822	-2.06	23-15 Q13		
244.1368	-2.39	24-17	Q 5	-244.6572	-1.81	18-	8	P24	-245.5472	-3.43	15-	4 P39	-246.0254	-3.38	15-	4 P44	246.3960	-2.57	19- 9 Q 1		
244.1373	-2.35	24-17	R10	-244.6688	-3.58	15-	4	P28	245.5476	-3.27	21-12	R 7	-246.0254	-3.18	16-	5 Q11	246.3968	-1.85	19- 9 R 14		
244.1409	-2.00	18-	8	P16	-244.6707	-3.07	27-23	P 6	245.5542	-3.62	21-12	R 2	246.0295	-2.79	23-15	R 3	246.3973	-3.39	16- 5 P15		
244.1419	-1.88	22-14	P26	-244.6724	-2.07	24-17	R21	-245.5547	-3.22	21-12	R 8	246.0304	-2.71	23-15	R 4	246.3995	-2.55	21-12 Q23			
244.1425	-1.52	18-	8	Q22	-244.6734	-1.89	24-17	O17	-245.5643	-3.74	21-12	R 1	246.0331	-2.59	23-15	R 6	246.4011	-2.35	19- 9 Q 2		
244.1433	-3.40	15-	4	R39	-244.6832	-3.18	27-23	R 8	-245.5649	-3.18	21-12	R 9	246.0348	-2.89	23-15	R 2	246.4075	-2.53	23-15 P10		
244.1451	-3.13	24-17	P 3	-244.6834	-2.32	24-17	P14	-245.5775	-3.92	21-12	R 0	246.0364	-2.64	23-15	R 5	246.4086	-2.21	19- 9 Q 3			
244.1553	-2.97	15-	4	Q27	-244.6857	-3.14															

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
246,6251	-1.67	19	9	R22	247,2508	-7.07	13-	1	R7	247,6155	-6.46	13-	1	O18	248,2505	-2.34	26-20	P17	248,7967	-1.95	25-18	O19		
-246,6260	-2.94	16-	5	R38	247,2511	-3.09	16-	5	P29	247,6383	-7.07	13-	1	P10	248,2612	-2.70	25-18	P8	248,8041	-2.57	17-	6	O18	
246,6261	-2.50	21-12	Q26	247,2526	-2.94	26-20	R2	-247,6386	-2.61	16-	5	Q42	248,2648	-6.67	13-	1	P24	248,8042	-3.83	22-13	R5			
246,6387	-2.38	23-15	P14	247,2534	-2.84	26-20	R3	247,6428	-6.44	13-	1	O19	248,2737	-2.18	25-18	O11	248,8049	-3.90	22-13	R4				
246,6498	-1.59	19-	9	Q14	247,2542	-1.33	19-	9	Q26	247,6509	-2.81	16-	5	R52	248,2764	-2.31	25-18	R15	-248,8057	-2.65	17-	6	R29	
246,6555	-2.15	19-	9	P9	247,2559	-3.06	26-20	R1	-247,6522	-3.02	16-	5	P34	248,2774	-2.54	16-	5	O49	248,8070	-3.77	22-13	R6		
246,6579	-3.24	16-	5	P20	247,2572	-6.71	13-	1	R19	247,6558	-2.31	26-20	R15	-248,2922	-2.94	16-	5	P41	248,8076	-3.14	17-	6	P11	
246,6585	-1.92	23-15	Q18	247,2576	-7.13	13-	1	R6	247,6582	-2.14	26-20	Q12	248,3116	-1.93	26-20	Q20	248,8084	-3.98	22-13	R3				
246,6669	-1.65	19-	9	R23	247,2606	-2.76	26-20	R4	247,6713	-6.42	13-	1	Q20	248,3135	-2.64	25-18	P9	248,8125	-3.72	22-13	R7			
246,6676	-2.09	23-15	R23	247,2645	-3.24	26-20	R0	247,6749	-7.03	13-	1	P11	248,3207	-6.65	13-	1	P25	-248,8143	-2.50	16-	5	Q54		
-246,6679	-3.32	15-	4	P50	-247,2648	-3.28	15-	4	P55	247,6767	-2.59	26-20	P10	248,3236	-2.14	25-18	O12	248,8151	-4.08	22-13	R2			
246,6735	-2.78	16-	5	Q28	247,2667	-6.69	13-	1	R20	247,6800	-2.09	23-15	P26	248,3265	-2.99	17-	6	R12	-248,8186	-2.89	16-	5	P46	
246,6810	-2.90	21-12	P22	247,2672	-7.18	13-	1	R5	247,6940	-1.65	19-	9	P26	248,3303	-2.29	25-18	R16	248,8216	-3.68	22-13	R8			
-246,6817	-2.93	16-	5	R39	247,2717	-2.70	26-20	R5	-247,6954	-1.24	19-	9	Q32	248,3374	-1.55	19-	9	P33	248,8243	-4.20	22-13	R1		
246,6864	-1.56	19-	9	Q15	247,2757	-2.17	23-15	P22	247,7009	-6.40	13-	1	Q21	248,3393	-2.75	16-	5	R59	248,8267	-2.14	25-18	R23		
246,6907	-2.48	21-12	Q27	247,2772	-6.67	13-	1	R21	247,7120	-6.99	13-	1	P12	248,3524	-2.31	26-20	P18	248,8332	-3.64	22-13	R9			
246,6968	-2.10	19-	9	P10	247,2774	-7.25	13-	1	R4	247,7215	-2.29	26-20	R16	248,3647	-2.96	17-	6	R13	248,8376	-4.38	22-13	R0		
246,7061	-2.34	23-15	P15	247,2825	-3.06	26-20	Q1	247,7219	-2.11	26-20	Q13	248,3685	-2.45	25-18	P10	248,8436	-2.55	17-	6	O19				
246,7074	-1.64	19-	9	R24	247,2879	-2.64	26-20	R6	-247,7241	-2.60	16-	5	Q43	248,3704	-3.24	17-	6	R6	248,8481	-3.60	22-13	R10		
246,7159	-3.24	16-	5	P21	247,2895	-7.33	13-	1	R3	-247,7253	-3.01	16-	5	P35	248,3793	-2.11	25-18	O13	-248,8491	-2.63	17-	6	R30	
246,7248	-1.90	23-15	Q19	247,2901	-6.65	13-	1	R22	247,7340	-6.38	13-	1	Q22	248,3796	-6.63	13-	1	P26	248,8531	-3.10	17-	6	P12	
246,7254	-1.53	19-	9	Q16	247,2919	-2.84	26-20	Q2	-247,7435	-2.54	26-20	P11	248,3813	-2.54	16-	5	M50	248,8566	-4.20	22-13	O1			
246,7278	-2.77	16-	5	Q29	247,3025	-7.43	13-	1	R2	-247,7441	-2.80	16-	5	R53	248,3822	-3.19	17-	6	R7	248,8624	-3.98	22-13	Q2	
246,7368	-2.07	23-15	R24	247,3046	-6.63	13-	1	R23	247,7509	-6.95	13-	1	P13	248,3831	-3.14	17-	6	R8	248,8658	-3.56	22-13	R11		
246,7402	-2.05	19-	9	P11	247,3065	-2.70	26-20	Q3	247,7690	-6.36	13-	1	Q23	248,3859	-3.10	17-	6	R9	248,8683	-3.03	17-	6	P14	
-246,7433	-0.92	16-	5	R40	247,3090	-2.59	26-20	R7	247,7776	-1.64	19-	9	P27	248,3879	-2.26	25-18	R17	248,8722	-3.83	22-13	O3			
246,7521	-1.62	19-	9	R25	-247,3131	-2.84	16-	5	R48	247,7808	-1.23	19-	9	Q33	248,3907	-2.94	17-	6	R14	248,8811	-2.34	25-18	P17	
246,7648	-2.88	21-12	P23	247,3133	-1.75	19-	9	P21	247,7908	-2.08	26-20	Q14	248,3913	-3.06	17-	6	R10	248,8829	-1.92	25-18	Q20			
246,7669	-1.51	19-	9	O17	247,3165	-7.55	13-	1	R1	247,7910	-6.92	13-	1	P14	248,3937	-2.93	16-	5	P42	248,8846	-3.72	22-13	G4	
246,7755	-3.22	16-	5	P22	-247,3182	-2.65	16-	5	Q38	247,7932	-2.26	26-20	R17	248,3973	-3.29	17-	6	R5	248,8850	-2.53	17-	6	O20	
246,7770	-2.31	23-15	P16	247,3184	-3.54	26-20	P2	247,7983	-6.34	13-	1	Q24	248,4010	-3.03	17-	6	R11	248,8871	-3.53	22-13	R12			
-246,7821	-3.31	15-	4	P51	247,3214	-1.31	19-	9	Q27	-247,8147	-2.59	16-	5	Q44	248,4054	-3.36	17-	6	R4	248,8897	-4.68	22-13	P2	
246,7829	-2.46	21-12	Q28	247,3220	-6.61	13-	1	R24	247,8154	-2.50	26-20	P12	248,4081	-2.91	17-	6	R15	-248,8894	-2.62	17-	6	R31		
246,7867	-2.01	19-	9	P12	247,3253	-2.59	26-20	Q4	-247,8220	-3.00	16-	5	P36	248,4133	-3.44	17-	6	R3	248,9001	-3.64	22-13	O5		
246,7890	-2.75	16-	5	Q30	247,3254	-3.08	16-	5	P30	247,8320	-6.88	13-	1	P15	248,4251	-3.54	17-	6	R2	248,9030	-3.06	17-	6	P13
246,7949	-1.88	23-15	Q20	247,3301	-2.77	21-12	P29	-247,8364	-2.79	16-	5	R54	248,4254	-2.88	17-	6	R16	248,9106	-3.50	22-13	R13			
246,7999	-1.60	19-	9	R26	247,3335	-7.73	13-	1	R0	247,8368	-6.32	13-	1	Q25	248,4290	-2.54	25-18	P11	248,9175	-2.13	25-18	H24		
-246,8063	-0.91	16-	5	R41	247,3350	-2.54	26-20	R8	247,8642	-1.62	19-	9	P28	248,4382	-2.08	25-18	O14	248,9185	-3.56	22-13	O6			
246,8111	-1.48	19-	9	Q18	247,3458	-3.24	26-20	P3	-247,8847	-2.05	26-20	Q15	248,4393	-3.66	17-	6	R1	248,9196	-4.38	22-13	P3			
246,8353	-1.97	19-	9	P13	247,3500	-6.60	13-	1	R25	247,8892	-2.24	26-20	R18	248,4408	-1.53	19-	9	P34	-248,9264	-2.49	16-	5	Q55	
246,8373	-3.20	16-	5	P23	247,3504	-2.50	26-20	Q5	247,8894	-6.30	13-	1	Q26	248,4432	-2.86	17-	6	R17	248,9281	-2.51	17-	6	G21	
246,8506	-1.59	19-	9	R27	247,3517	-6.58	13-	1	R26	247,8764	-6.85	13-	1	P16	248,4482	-2.24	25-18	R18	-248,9301	-2.88	16-	5	P47	
246,8513	-2.28	23-15	P15	247,3543	-7.55	13-	1	O1	-247,8924	-2.46	26-20	P13	248,4492	-6.61	13-	1	P27	248,9386	-3.47	22-13	R14			
246,8517	-2.86	21-12	P24	247,3580	-7.33	13-	1	O2	-247,9014	-2.58	16-	5	Q45	248,4492	-2.75	16-	5	R60	248,9404	-3.50	22-13	Q7		
-246,8530	-2.74	16-	5	Q31	247,3647	-7.18	13-	1	O3	-247,9059	-2.98	16-	5	P37	248,4551	-3.84	17-	6	R0	-248,9435	-2.61	17-	6	R32
246,8575	-1.46	19-	9	Q19	247,3658	-2.50	26-20	R9	247,9102	-6.29	13-	1	Q27	248,4605	-2.29	26-20	P19	248,9446	-2.99	17-	6	P15		
246,8687	-1.86	23-15	Q21	247,3712	-2.15	23-15	P23	247,9187	-6.82	13-	1	P17	248,4627	-2.84	17-	6	R18	248,9485	-4.20	22-13	P4			
-246,8709	-2.90	16-	5	R42	247,3723	-6.57	13-	1	R27	-247,9304	-2.78	16-	5	R55	248,4752	-3.66	17-	6	O1	248,9649	-3.43	22-13	Q8	
246,8716	-2.45	21-12	Q29	247,3725	-7.07	13-	1	O4	247,9348	-2.02	26-20	Q16	248,4792	-3.44	17-	6	O2	248,9691	-3.45	22-13	R15			
246,8863	-1.94	19-	9	P14	247,3770	-6.55	13-	1	R28	247,9511	-6.27	13-	1	P28	248,4852	-2.53	16-	5	O51	248,9727	-1.91	25-18	Q21	
246,9006	-3.30	15-	4	P52	247,3795	-2.93	26-20	Q6	247,9537	-1.60	19-	9	P29	248,4854	-3.29	17-	6	O3	248,9728	-2.49	17-	6	Q22	
246,9012	-1.57	19-	9	R28	247,3812	-6.99	13-	1	O5	247,9607	-2.84	25-18	R3	248,4919	-6.60									

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ			
249,2939	-2.01	20-10	R 8	249,6148	-1.63	20-10	P 12	249,9213	-1.86	20-10	P 15	250,5092	-5.78	14- 2	P 24	251,4051	-2.90	18- 7	P 9	249,5912	-5.67	14- 2	R 7	249,5948	-2.23	20-10	R 4
249,3005	-1.97	20-10	R 9	249,6195	-6.02	14- 2	Q 6	249,9362	-5.50	14- 2	Q 1	250,5358	-1.65	20-10	P 12	251,4100	-2.36	18- 7	R 26	249,3016	-2.31	20-10	R 3	249,6220	-2.49	17- 6	R 43
249,3073	-2.84	17- 6	P 21	249,6229	-2.11	20-10	P 9	249,9421	-2.95	22-13	Q 26	250,5367	-3.25	22-13	P 28	251,4438	-2.11	17- 6	Q 53	249,3094	-1.93	20-10	R 10	249,6262	-1.55	20-10	Q 14
249,3112	-2.41	20-10	R 2	249,6307	-5.96	14- 2	Q 7	249,9476	-1.38	20-10	Q 21	250,5670	-2.58	17- 6	P 37	251,4530	-2.34	18- 7	R 27	249,3121	-1.90	20-10	R 11	249,6317	-7.14	14- 2	P 2
249,3224	-2.53	20-10	R 1	249,6359	-3.02	22-13	Q 22	249,9514	-3.01	24-16	R 16	250,5857	-2.39	17- 6	R 54	251,4717	-2.26	18- 7	U 17	249,3226	-3.13	22-13	O 17	249,6400	-5.66	14- 2	R 28
249,3276	-3.28	22-13	R 23	249,6424	-5.91	14- 2	G 8	249,9578	-3.42	24-16	P 8	250,5937	-2.18	17- 6	Q 45	251,4860	-2.80	18- 7	P 11	249,3276	-3.28	22-13	R 23	249,6424	-5.91	14- 2	G 8
249,3358	-1.86	20-10	R 12	249,6435	-2.74	17- 6	P 26	249,9757	-1.52	20-10	R 29	250,6091	-3.03	24-16	P 18	251,5100	-2.23	18- 7	Q 18	249,3374	-2.71	20-10	R 0	249,6532	-2.82	16- 5	P 53
-249,3394	-2.53	17- 6	R 39	249,6554	-6.84	14- 2	P 3	249,9781	-2.25	17- 6	Q 38	250,6635	-5.74	14- 2	P 26	251,5297	-2.76	18- 7	P 12	249,3426	-3.60	22-13	P 13	249,6557	-5.86	14- 2	Q 9
-249,3468	-2.37	17- 6	O 29	249,6582	-2.45	16- 5	M 6	249,9850	-2.13	25-18	P 27	250,6511	-1.21	20-10	Q 31	251,5390	-2.31	18- 7	R 29	249,3505	-1.97	20-10	R 13	249,6589	-1.61	20-10	R 23
249,3535	-2.53	20-10	O 1	249,6655	-3.49	24-16	R 4	249,9919	-2.87	24-16	Q 12	250,6727	-5.72	14- 2	P 27	251,5754	-2.72	18- 7	P 13	249,3569	-2.53	20-10	O 1	249,6655	-3.49	24-16	R 4
249,3617	-2.31	20-10	Q 2	249,6655	-1.52	20-10	Q 15	249,9998	-2.98	24-16	R 17	250,6828	-2.38	17- 6	R 55	251,5874	-2.30	18- 7	R 30	249,3639	-2.16	20-10	Q 3	249,6658	-2.06	20-10	P 10
249,3705	-2.82	17- 6	P 22	249,6659	-3.56	24-16	R 3	250,0063	-3.36	24-16	P 9	250,6950	-3.01	24-16	P 19	251,6020	-1.48	20-10	P 35	249,3764	-1.83	25-18	O 25	249,6679	-5.65	14- 2	R 29
249,3771	-2.22	25-18	P 22	249,6692	-3.42	24-16	R 5	250,0177	-6.02	14- 2	P 14	250,7296	-1.20	20-10	Q 22	251,6237	-2.69	18- 7	O 55	249,3771	-2.22	25-18	P 22	249,6692	-3.42	24-16	R 5
249,3798	-2.06	20-10	O 4	249,6707	-3.45	24-13	P 18	250,0293	-2.94	22-13	Q 27	250,7402	-5.71	14- 2	P 28	251,6468	-2.48	17- 6	P 47	249,3828	-3.11	22-13	O 18	249,6707	-5.81	14- 2	P 10
249,3842	-1.78	20-10	R 15	249,6746	-2.30	17- 6	Q 34	249,7039	-2.66	17- 6	P 31	250,7642	-2.56	17- 6	P 39	251,6868	-2.15	18- 7	Q 22	249,3882	-3.26	22-13	R 24	249,6764	-3.36	24-16	R 6
249,3926	-1.97	20-10	Q 5	249,6772	-3.79	24-16	R 1	250,0421	-5.45	14- 2	Q 24	250,7944	-2.16	17- 6	O 47	251,6879	-2.09	17- 6	O 55	249,3961	-3.01	20-10	P 2	249,6809	-6.66	14- 2	P 4
-249,4004	-2.35	17- 6	Q 30	249,6855	-5.63	14- 2	R 30	250,0451	-2.80	16- 5	P 56	250,8061	-5.69	14- 2	P 29	251,7366	-2.13	18- 7	Q 23	249,4011	-2.46	16- 5	O 59	249,6872	-5.78	14- 2	Q 11
-249,4021	-3.56	22-13	P 14	249,6873	-3.31	24-16	R 7	250,0585	-3.31	24-16	P 10	250,8225	-2.57	24-16	Q 24	251,7638	-2.47	17- 6	P 48	249,4045	-2.84	16- 5	P 51	249,6889	-3.96	24-16	R 0
-249,4045	-2.84	16- 5	P 51	249,6889	-3.96	24-16	R 0	250,0593	-2.24	17- 6	Q 39	250,8648	-2.55	17- 6	P 40	251,7644	-5.26	15- 3	R 12	249,4080	-1.90	20-10	Q 6	249,6982	-2.48	16- 5	R 44
-249,4081	-2.52	17- 6	R 40	249,7020	-3.26	24-16	R 8	250,0636	-1.34	20-10	Q 23	250,8782	-2.96	24-16	P 21	251,7645	-5.29	15- 3	R 11	249,4139	-1.75	20-10	R 16	249,7049	-5.74	14- 2	O 12
249,4205	-2.71	20-10	P 3	249,7061	-1.59	20-10	R 24	250,0813	-5.43	14- 2	Q 25	250,8969	-2.15	17- 6	Q 48	251,7688	-5.20	15- 3	R 14	249,4259	-1.83	20-10	Q 7	249,7067	-6.54	14- 2	P 5
249,4354	-2.80	17- 6	P 23	249,7076	-3.79	24-16	Q 1	250,0993	-1.78	20-10	P 18	250,9171	-1.17	20-10	Q 34	251,7738	-5.17	15- 3	R 15	249,4416	-3.09	22-13	O 19	249,7083	-1.49	20-10	Q 16
249,4427	-1.73	20-10	R 17	249,7094	-3.01	22-13	Q 23	250,1061	-1.49	20-10	R 31	250,9473	-2.54	17- 6	P 41	251,7801	-5.15	15- 3	R 16	249,4460	-3.25	22-13	R 25	249,7115	-5.71	14- 2	P 11
249,4467	-2.34	17- 6	Q 31	249,7147	-3.54	24-16	Q 2	250,1072	-2.94	24-16	R 19	250,9757	-2.94	24-16	P 22	251,7808	-2.60	18- 7	P 17	249,4467	-2.34	17- 6	Q 31	249,7147	-3.54	24-16	Q 2
249,4482	-2.53	20-10	P 4	249,7152	-5.62	14- 2	R 31	250,1138	-3.26	24-16	P 11	251,0011	-5.65	14- 2	P 32	251,7816	-5.45	15- 3	R 10	249,4482	-2.53	20-10	P 4	249,7152	-5.62	14- 2	R 31
249,4532	-5.99	14- 2	R 12	249,7163	-2.72	17- 6	P 27	250,1145	-2.65	17- 6	P 32	250,0085	-2.14	17- 6	Q 49	251,7883	-2.11	18- 7	Q 24	249,4532	-5.99	14- 2	R 12	249,7163	-2.72	17- 6	P 27
249,4534	-5.96	14- 2	R 13	249,7197	-3.22	24-16	R 9	250,1213	-2.11	25-18	P 28	251,0498	-2.75	16- 5	P 62	251,7707	-5.36	15- 3	R 9	249,4543	-6.02	14- 2	R 11	249,7247	-5.71	14- 2	Q 13
249,4554	-5.93	14- 2	R 14	249,7267	-3.42	24-16	Q 3	250,1291	-1.32	20-10	Q 24	251,0599	-2.76	16- 5	P 60	251,7645	-5.29	15- 3	R 11	249,4575	-6.06	14- 2	R 10	249,7272	-2.16	25-18	P 25
249,4584	-5.91	14- 2	R 15	249,7363	-4.44	14- 2	P 6	250,1476	-2.77	24-16	Q 15	251,0629	-2.72	17- 6	R 10	251,7688	-5.20	15- 3	R 14	249,4618	-6.10	14- 2	R 9	249,7409	-3.18	24-16	R 10
249,4633	-5.88	14- 2	R 16	249,7409	-3.31	24-16	Q 4	250,1669	-2.92	24-16	R 20	251,0681	-2.69	18- 7	R 11	251,8113	-5.62	15- 3	R 4	249,4638	-3.53	22-13	P 15	249,7451	-4.26	24-16	P 2
249,4676	-6.14	16- 4	R 8	249,7458	-5.67	14- 2	P 14	250,1685	-5.40	14- 2	Q 27	251,0725	-5.63	14- 2	P 33	251,8245	-5.70	15- 3	R 3	249,4687	-2.34	17- 6	Q 31	249,7458	-3.42	22-13	P 25
-249,4687	-2.34	17- 6	R 41	249,7458	-3.42	22-13	P 19	250,1702	-2.94	24-16	R 19	250,9757	-2.94	24-16	P 22	251,8050	-2.09	17- 6	Q 56	249,4687	-2.34	17- 6	R 41	249,7458	-3.42	22-13	P 25
249,4697	-5.86	14- 2	R 17	249,7478	-2.29	17- 6	Q 35	250,1726	-3.22	24-16	P 12	251,0757	-2.66	18- 7	R 12	251,8174	-2.57	18- 7	P 18	249,4699	-1.73	20-10	Q 9	249,7555	-1.47	20-10	Q 17
249,4743	-1.71	20-10	R 18	249,7555	-1.58	20-10	R 25	250,1791	-2.79	16- 5	P 57	251,0766	-3.02	18- 7	R 4	251,8429	-2.10	18- 7	Q 25	249,4753	-6.18	14- 2	R 7	249,7555	-1.44	20-10	Q 18
249,4753	-6.18	14- 2	R 7	249,7558	-1.44	20-10	Q 18	250,1949	-5.91	14- 2	P 18	251,0781	-2.92	24-16	P 23	251,8516	-2.23	18- 7	R 35	249,4777	-5.84	14- 2	R 18	249,7592	-3.22	24-16	Q 5
249,4777	-5.84	14- 2	R 18	249,7592	-3.22	24-16	Q 5	250,1952	-1.30	20-10	Q 25	251,0850	-2.63	18- 7	R 13	249,4777	-5.84	14- 2	R 18	249,7592	-3.22	24-16	Q 5				
249,4777	-2.41	20-10	P 5	249,7596	-1.97	20-10	P 12	250,1985	-2.42	17- 6	R 50	251,0858	-3.10	18- 7	R 3	249,4777	-2.41	20-10	P 5	249,7596	-1.97	20-10	P 12				
-249,4779	-2.51	17- 6	R 41	249,7659	-6.36	14- 2	P 7	250,2006	-2.63	17- 6	P 33	251,0970	-2.60	18- 7	R 14	251,8050	-2.09	17- 6	Q 23	249,4779	-2.51	17- 6	R 41	249,7659	-6.36	14- 2	P 7
249,4844	-6.23	14- 2	R 6</																								

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
-252,0299	-2.20	18-	7	R38	252,4310	-1.91	21-11	R12	252,8520	-2.02	21-11	P12	-253,6184	-1.83	18-	7	Q47	254,1008	-3.45	25-17	P13			
252,0381	-4.97	15-	3	O13	252,4352	-2.94	23-14	P 6	252,8599	-2.22	23-14	R24	253,6226	-3.42	25-17	R11	254,1019	-2.15	19-	8	R22			
252,0431	-5.70	15-	3	P 6	252,4409	-2.58	21-11	O 1	252,8668	-2.31	18-	7	P32	253,6236	-3.89	28-23	O 3	254,1039	-2.17	18-	7	P44		
252,0450	-3.65	27-21	P 3	252,4432	-2.38	23-14	R16	252,8902	-1.63	21-11	R25	253,6252	-3.29	28-23	R 6	254,1159	-2.13	19-	8	R23				
252,0522	-2.96	27-21	R 8	252,4465	-2.36	21-11	O 2	252,8940	-2.04	23-14	Q19	253,6267	-3.42	25-17	O 6	254,1179	-2.13	19-	8	O12				
252,0608	-4.94	15-	3	O14	252,4499	-2.31	23-14	O10	252,9030	-5.02	15-	3	P25	-253,6350	-2.21	18-	7	P40	254,1314	-2.75	19-	8	P 7	
252,0736	-5.62	15-	3	P 7	252,4547	-2.22	21-11	O 3	252,9052	-2.49	23-14	P15	253,6422	-4.05	25-17	P 4	254,1315	-3.17	25-17	R21				
252,0798	-3.48	27-21	P 4	252,4554	-2.39	18-	7	P27	252,9094	-1.98	21-11	P13	253,6465	-2.25	27-14	P24	254,1477	-2.10	19-	8	O13			
252,0845	-4.91	15-	3	O15	252,4581	-4.68	15-	O 8	252,9152	-2.39	27-21	O18	253,6467	-3.15	28-23	O 5	254,1502	-2.99	25-17	O17				
252,0865	-2.48	18-	7	P22	252,4656	-2.11	21-11	O 4	-252,9275	-1.89	18-	7	Q40	253,6535	-3.35	25-17	O 7	254,1546	-3.19	28-23	P11			
252,0879	-2.84	27-21	O 6	252,4691	-5.20	15-	P 3	252,9278	-2.20	23-14	R25	253,6552	-3.38	25-17	R 7	254,1579	-2.99	28-23	R14					
252,0892	-2.91	27-21	R 9	252,4717	-2.52	27-21	O13	252,9282	-2.78	27-21	P16	253,6654	-3.24	28-23	R 7	254,1675	-2.11	19-	8	R24				
-252,0984	-2.03	18-	7	Q29	252,4727	-1.86	21-11	R14	252,9466	-1.61	21-11	R26	253,6671	-3.71	28-23	P 4	254,1681	-2.68	19-	8	P 8			
252,1060	-5.56	15-	3	P 8	252,4741	-2.86	23-14	P 7	252,9566	-2.39	17-	6	P57	253,6743	-1.70	21-11	P24	254,1718	-3.42	25-17	P14			
252,1105	-4.88	15-	3	O16	252,4768	-2.96	27-21	P11	252,9568	-1.47	21-11	O19	253,6781	-3.93	25-17	P 5	254,1784	-2.19	23-14	P29				
-252,1171	-2.19	18-	7	R39	252,4792	-2.02	21-11	O 5	-252,9608	-2.30	18-	7	P33	253,6854	-3.30	25-17	O 7	254,1787	-0.66	16-	4	R11		
252,1201	-3.35	27-21	P 5	252,4806	-3.06	21-11	P 2	252,9621	-2.02	23-14	Q20	253,6923	-3.35	25-17	R13	254,1797	-2.06	19-	8	O14				
252,1262	-2.78	27-21	O 7	252,4827	-2.36	23-14	R17	252,9649	-5.00	15-	3	P26	253,7024	-3.08	28-23	O 6	254,1805	-4.70	16-	4	R10			
252,1315	-2.88	27-21	R10	252,4855	-2.27	23-14	O11	252,9668	-1.95	21-11	P14	253,7110	-1.87	23-14	O29	254,1813	-4.63	16-	4	K12				
252,1378	-4.86	15-	3	O17	252,4959	-1.95	21-11	O 6	252,9741	-2.46	23-14	P16	253,7112	-3.19	28-23	R 8	254,1827	-4.74	16-	4	R 9			
-252,1391	-2.44	17-	6	P51	-252,4997	-2.14	18-	7	R44	252,9988	-2.19	23-14	R26	253,7170	-3.83	25-17	P 6	254,1836	-0.60	16-	4	R13		
252,1399	-5.50	15-	3	P 9	252,5006	-2.70	27-21	R16	253,0128	-1.45	21-11	Q20	253,7211	-3.59	28-23	P 5	254,1860	-0.78	16-	4	R 8			
-252,1448	-2.02	18-	7	Q30	252,5033	-4.66	15-	3	Q27	253,0215	-2.36	27-21	O19	253,7212	-3.25	25-17	O 7	254,1891	-4.57	16-	4	R14		
252,1544	-2.46	18-	7	P23	252,5041	-1.83	21-11	R15	-253,0229	-1.88	18-	7	O41	253,7312	-3.33	25-17	R14	254,1922	-4.82	16-	4	R 7		
252,1659	-3.26	27-21	P 6	252,5060	-2.76	21-11	P 3	253,0250	-1.91	21-11	P15	253,7470	-2.26	23-14	P25	254,1951	-4.55	16-	4	R15				
252,1664	-4.83	15-	3	O18	-252,5095	-1.95	18-	7	Q35	253,0279	-6.99	15-	P27	253,7543	-3.01	28-23	R 9	254,1991	-4.87	16-	4	R 6		
252,1694	-2.72	27-21	R 8	252,5115	-1.81	21-11	R16	253,0314	-2.00	23-14	Q21	253,7574	-3.49	28-23	P 6	254,2032	-4.52	16-	4	R16				
252,1756	-5.45	15-	3	P10	252,5152	-1.88	21-11	O 7	253,0351	-2.75	27-21	P17	253,7584	-3.21	25-17	O10	254,2046	-3.15	25-17	R22				
252,1788	-2.84	27-21	R11	252,5159	-2.79	23-14	P 8	253,0463	-2.43	23-14	P17	253,7605	-3.75	25-17	P 7	254,2067	-2.62	19-	8	P 9				
-252,1904	-2.18	18-	7	R40	252,5175	-5.17	15-	3	P18	-253,0486	-2.28	18-	7	P34	253,7609	-1.68	21-11	P25	254,2084	-4.93	16-	4	R 5	
252,1974	-4.81	15-	3	Q19	252,5257	-2.24	23-14	Q12	253,0703	-2.17	23-14	R27	-253,7631	-2.20	18-	7	P41	254,2100	-2.10	19-	8	R25		
252,2133	-5.40	15-	3	P11	252,5260	-2.33	23-14	R18	253,0709	-1.43	21-11	Q21	253,7666	-3.15	28-23	R 9	254,2129	-4.50	16-	4	R17			
252,2171	-3.00	18-	7	Q31	252,5268	-2.37	18-	7	P28	253,0879	-1.88	21-11	P16	253,7766	-3.30	25-17	R15	254,2154	-2.04	19-	8	Q15		
252,2171	-3.18	27-21	P 7	252,5340	-2.58	21-11	P 4	253,0942	-4.97	15-	3	P28	253,8040	-3.17	25-17	Q11	254,2170	-2.76	28-23	Q13				
252,2182	-2.68	27-21	Q 9	-252,5342	-2.42	17-	6	P54	253,1065	-1.98	23-14	O22	253,8065	-3.68	25-17	P 8	254,2191	-5.00	16-	4	R 4			
252,2222	-2.86	23-14	R 4	252,5371	-1.83	21-11	O 8	253,1219	-0.41	23-14	P18	253,8105	-0.85	23-14	Q30	254,2233	-2.96	25-17	O18					
252,2222	-2.79	23-14	R 5	252,5460	-1.78	21-11	R17	-253,1302	-0.87	18-	7	O42	253,8131	-2.96	28-23	Q 8	254,2244	-4.48	16-	4	R18			
252,2246	-2.44	18-	7	P24	252,5488	-2.49	27-21	C14	253,1323	-1.41	21-11	O22	253,8250	-3.27	25-17	R16	254,2266	-2.16	18-	7	P45			
252,2253	-2.94	23-14	R 3	252,5561	-2.91	27-21	P12	253,1341	-2.34	23-14	P20	253,8287	-3.11	28-23	R10	254,2312	-5.08	16-	4	R 3				
252,2254	-2.73	23-14	R 6	252,5582	-4.65	15-	3	O28	-253,1459	-2.27	18-	P35	253,8316	-3.41	28-23	P 7	254,2356	-2.01	19-	8	Q16			
252,2295	-4.79	15-	3	Q20	252,5615	-2.73	23-14	P 9	253,1483	-2.16	23-14	R28	253,8505	-2.24	23-14	P26	254,2379	-4.46	16-	4	R19			
252,2318	-2.81	27-21	R12	252,5615	-1.72	21-11	O 9	253,1483	-2.72	27-21	P18	253,8512	-1.66	21-11	P26	254,2450	-5.18	16-	4	R 2				
252,2323	-2.68	23-14	R 7	252,5648	-2.46	21-11	P 5	-253,1592	-1.86	21-11	P27	253,8579	-2.57	19-	R 7	254,2474	-3.38	25-17	P15					
252,2323	-2.79	23-14	R 5	252,5673	-5.15	15-	P 3	253,1607	-4.96	15-	3	P29	253,8580	-3.63	25-17	P 9	254,2480	-2.57	19-	8	P10			
252,2323	-3.03	23-14	R 4	252,5673	-5.15	15-	P 3	253,1607	-4.96	15-	3	P29	253,8582	-2.35	25-17	P 9	254,2480	-2.57	19-	8	P10			
252,2418	-3.16	23-14	R 1	252,5682	-2.20	23-14	Q13	253,1798	-1.96	23-14	Q23	253,8581	-2.53	19-	R 8	254,2526	-4.44	16-	4	R20				
252,2427	-2.64	23-14	R 8	252,5747	-2.31	23-14	R19	253,1968	-1.39	21-11	Q23	253,8587	-3.13	25-17	Q12	254,2539	-3.15	28-23	P12					
252,2511	-5.36	15-	3	P12	252,5801	-1.76	21-11	R18	253,2003	-2.38	23-14	P19	253,8603	-2.62	19-	R 6	254,2581	-2.96	28-23	R15				
252,2535	-3.33	23-14	R 0	-252,5823	-2.64	27-21	R17	-253,2063	-1.83	21-11	P21	253,8603	-2.49	25-17	R17	254,2591	-2.08	19-	8	R26				
252,2563	-2.59	23-14	R 9	-252,5834	-2.13	18-	7	R45	253,2282	-2.14	23-14	R29	253,8649	-2.45	19-	R 10	254,2697	-4.42	16-	4	R21			
252,2635	-4.77	15-	3	Q21	-252,5866	-1.94	18-	7	Q36	253,2305	-4.94	15-	3	P30	253,8714	-2.75	19-	R 4	254,2719	-1.98	19-	8	P17	
252,2700	-2.43	17-	6	P52	252,5891	-1.74	21-11	R10	253,2305	-4.94	15-	3	P29	253,8818	-2.38	25-17	P 9	254,2791	-5.30	16-	4	Q 1		
252,2727	-2.56	23-14	R 10	252,5925	-4.63	15-	3	Q29	-253,2478	-2.76	23-14	P												

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
254,4847	-5.00	16-	4	P 7	-255.3019	-1.69	19-	8	O 35	255.9851	-2.11	24-15	O 8	256.7177	-1.13	17-	5	R 14	256.9899	-3.13	17-	5	R 14	
254,4879	-2.38	19-	8	P 15	-255.3338	-3.94	16-	4	O 34	255.9858	-2.74	24-15	P 5	256.7212	-4.33	17-	5	R 6	256.9913	-1.99	20-	9	Q10	
-254,4925	-2.01	19-	8	R 31	-255.3447	-3.13	25-17	P 26	255.9944	-2.29	22-12	P 10	256.7214	-3.40	27-20	Q 4	-256.9971	-4.13	16-	4	P 45			
254,4953	-3.30	25-17	P 18	255.3498	-4.06	16-	4	P 25	255.9997	-4.26	16-4	P 34	256.7257	-4.01	17-	5	R 15	256.9989	-1.63	24-15	Q25			
254,4954	-2.91	28-23	T 17	-255.3611	-4.09	16-	4	R 67	256.0010	-2.06	24-15	O 9	256.7259	-3.36	27-20	R 8	257.0010	-3.76	17-	5	R 28			
-254,5028	-4.27	16-	4	R 30	-255.3868	-1.68	19-	8	O 35	256.0098	-1.86	22-12	R 22	256.7300	-4.39	17-	5	R 5	257.0037	-3.00	27-20	Q11		
254,5075	-4.29	16-	4	O 15	-255.3888	-2.10	19-	8	P 28	256.0121	-1.75	22-12	O 15	256.7354	-3.98	17-	5	R 16	257.0042	-2.04	24-15	P21		
254,5179	-4.93	16-	4	P 8	-255.3961	-3.93	16-	4	O 35	256.0127	-2.11	24-15	R 15	256.7406	-4.46	17-	5	R 4	257.0089	-4.46	17-	5	P 7	
254,5183	-1.87	19-	8	O 22	255.4144	-4.38	16-	4	P 26	256.0252	-2.64	24-15	P 6	256.7422	-2.11	24-15	P 18	257.0118	-3.78	17-	5	Q14		
254,5347	-4.26	16-	4	O 16	-255.4281	-4.08	16-	4	R 48	256.0311	-2.00	19-	8	P 35	256.7423	-1.69	24-15	Q 22	257.0161	-1.95	20-	9	R21	
-254,5386	-4.26	16-	4	R 31	-255.4473	-2.08	19-	8	P 29	256.0342	-3.83	16-4	O 44	256.7443	-4.06	27-20	P 3	257.0184	-1.95	20-	9	Q11		
254,5430	-2.35	19-	8	P 16	-255.4615	-3.91	16-	4	O 36	256.0397	-2.02	24-15	O 10	256.7472	-3.96	17-	5	R 17	257.0197	-2.61	20-	9	P 6	
-254,5488	-2.00	19-	8	R 32	-255.4710	-3.11	25-17	P 27	256.0437	-2.24	22-12	P 11	256.7472	-3.76	16-	4	Q 52	257.0250	-3.46	27-20	P 9			
254,5528	-2.88	25-17	O 22	-255.4728	-1.66	19-	8	Q 36	256.0520	-2.09	24-15	R 16	256.7473	-3.32	27-20	Q 5	257.0390	-3.75	17-	5	Q15			
254,5536	-4.87	16-	4	P 9	-255.4810	-4.36	16-	4	P 27	256.0585	-1.85	22-12	R 23	256.7529	-4.54	17-	5	R 3	257.0394	-3.75	17-	5	R29	
254,5544	-2.67	28-23	Q 16	-255.4984	-4.07	16-	4	R 49	256.0588	-1.73	22-12	O 16	256.7569	-3.32	27-20	R 9	257.0429	-4.39	17-	5	P 8			
254,5560	-4.23	16-	4	O 17	-255.4999	-3.90	16-	4	Q 37	256.0700	-2.56	24-15	P 7	256.7600	-3.94	17-	5	R 18	257.0461	-1.86	22-12	P25		
254,5573	-1.85	19-	8	Q 23	-255.5460	-2.06	19-	8	P 30	256.0801	-1.98	24-15	Q 11	256.7645	-1.50	22-12	Q 27	257.0472	-1.91	20-	9	Q12		
-254,5576	-4.25	16-	4	R 32	-255.5493	-4.35	16-	4	P 28	256.0959	-2.20	22-12	R 12	256.7668	-4.64	17-	5	R 2	257.0517	-1.93	20-	9	R 22	
254,5587	-3.27	25-17	P 19	-255.5629	-1.65	19-	8	Q 37	256.0962	-2.06	24-15	R 17	256.7764	-3.92	17-	5	R 19	257.0522	-3.13	27-20	R 15			
254,5598	-4.82	16-	4	P 10	-255.5730	-4.06	16-	4	R 50	256.1045	-2.50	24-15	P 8	256.7772	-3.25	27-20	O 6	257.0547	-2.53	20-	9	P 7		
254,5599	-4.21	16-	4	Q 18	-255.5876	-3.89	16-	4	Q 38	256.1090	-1.70	22-12	R 17	256.7785	-3.88	27-20	P 4	257.0644	-2.96	27-20	Q12			
-254,5597	-2.13	18-	7	P 48	-255.6025	-2.60	22-12	R 5	256.1099	-1.83	22-12	R 24	256.7797	-2.36	20-	9	R 7	257.0684	-3.72	17-	5	Q16		
254,5593	-3.04	28-23	P 15	-255.6028	-2.34	22-12	R 6	-256.1113	-4.25	16-4	P 35	256.7808	-2.31	20-	9	R 8	257.0749	-3.73	17-	5	R30			
254,6010	-2.32	19-	8	P 17	-255.6054	-2.47	22-12	R 4	-256.1185	-3.82	16-4	P 45	256.7811	-2.41	20-	9	R 6	257.0786	-1.88	20-	9	Q13		
254,6077	-1.84	19-	8	O 24	-255.6062	-2.62	22-12	R 7	256.1234	-1.94	24-15	O 12	256.7829	-1.92	22-12	R 22	257.0789	-4.33	17-	5	P 9			
254,6131	-1.98	19-	8	R 33	-255.6107	-2.54	22-12	R 3	-256.1306	-1.98	19-	P 36	256.7830	-4.76	17-	5	R 1	257.0899	-3.40	27-20	P10			
254,6276	-4.19	16-	4	Q 19	-255.6121	-2.24	22-12	R 8	256.1438	-2.04	24-15	R 18	256.7838	-2.27	20-	9	R 9	257.0896	-1.91	20-	9	R23		
254,6292	-4.78	16-	4	P 11	-255.6188	-3.33	16-	4	P 29	256.1510	-2.16	22-12	P 13	256.7847	-2.46	20-	9	R 5	257.0926	-2.46	20-	9	P 8	
254,6452	-2.86	25-17	C 23	-255.6191	-2.64	22-12	R 2	256.1540	-2.44	24-15	P 9	256.7900	-2.23	20-	9	R 10	257.0973	-4.12	16-	4	P46			
-254,6455	-4.23	16-	4	R 33	-255.6211	-2.20	22-12	R 9	-256.1590	-4.23	16-4	P 36	256.7913	-2.53	20-	9	R 4	257.0991	-2.02	24-15	P22			
254,6512	-4.22	16-	4	R 34	-255.6305	-2.77	22-12	R 1	256.1610	-1.68	22-12	O 18	256.7932	-3.28	27-20	R 10	257.0995	-3.69	17-	5	Q17			
254,6620	-2.30	19-	8	P 18	-255.6331	-2.16	22-12	R 10	256.1695	-1.81	22-12	R 25	256.7935	-3.90	17-	5	R 20	257.1127	-1.85	20-	9	Q14		
254,6622	-4.17	16-	4	Q 20	-255.6451	-2.94	22-12	R 0	256.1704	-1.91	24-15	Q 13	256.7962	-4.15	16-	4	P 43	257.1171	-4.28	17-	5	P10		
254,6693	-4.74	16-	4	P 12	-255.6473	-2.05	19-	8	P 31	256.1951	-2.02	24-15	R 19	256.7982	-2.20	20-	9	R 11	257.1192	-3.10	27-20	R16		
-254,6714	-1.97	19-	8	R 34	-255.6479	-2.13	22-12	R 11	-256.2021	-3.81	16-4	P 46	256.7997	-2.61	20-	9	R 3	257.1239	-3.72	17-	5	R31		
254,6799	-1.82	19-	8	Q 25	-255.6495	-4.05	16-	4	R 51	256.2061	-2.39	24-15	P 10	256.8012	-4.94	17-	5	R 0	257.1301	-2.93	27-20	Q13		
254,6840	-2.65	28-23	O 17	-255.6538	-1.64	19-	8	Q 38	256.2093	-2.13	22-12	P 14	256.8089	-2.10	20-	9	R 12	257.1302	-1.89	20-	9	R24		
254,6846	-3.25	25-17	P 20	-255.6589	-3.88	16-	4	O 39	256.2177	-1.65	22-12	O 19	256.8112	-2.71	20-	9	R 2	257.1326	-3.67	17-	5	Q18		
-254,6954	-4.21	16-	4	R 35	-255.6652	-2.77	22-12	Q 1	256.2198	-1.88	24-15	Q 14	256.8125	-3.18	27-20	Q 7	257.1328	-2.41	20-	9	P 9			
254,6981	-4.14	16-	4	Q 21	-255.6658	-2.10	22-12	R 12	256.2264	-1.80	22-12	R 26	256.8127	-3.88	17-	5	R 21	257.1379	-1.85	22-12	P26			
254,7100	-4.70	16-	4	P 13	-255.6707	-2.54	22-12	P 2	-256.2377	-1.97	19-	8	P 37	256.8170	-3.76	27-20	P 5	257.1490	-1.82	20-	9	Q15		
254,7323	-3.01	28-23	P 16	-255.6794	-2.40	22-12	Q 3	-256.2456	-4.22	16-	P 46	256.8222	-2.13	20-	9	R 13	257.1554	-3.71	17-	5	R32			
254,7336	-2.27	19-	8	P 19	-255.6867	-2.07	22-12	R 13	256.2504	-2.00	24-15	R 20	256.8222	-4.76	17-	5	Q 1	257.1566	-4.24	17-	5	P11		
254,7363	-4.12	16-	4	O 22	-255.6891	-2.12	22-12	Q 6	256.2615	-1.98	24-15	P 11	256.8243	-1.67	24-15	Q 23	257.1590	-3.36	27-20	P11				
-254,7372	-1.96	19-	8	R 35	-255.6912	-2.29	22-12	Q 4	256.2705	-2.10	22-12	R 15	256.8278	-2.11	20-	9	R 14	257.1678	-3.65	17-	5	Q19		
254,7827	-3.23	25-17	P 21	-255.7319	-3.87	16-	4	O 40	256.3278	-1.82	24-15	Q 16	256.8378	-2.11	20-	9	R 14	257.1970	-2.00	24-15	P23			
-254,7866	-4.19	16-	4	R 37	-255.7329	-3.04	19-	8	P 32	256.3328	-4.21	24-15	P 16	256.8387	-4.28	17-	5	Q 4	257.1983	-4.20	27-20	P12		
254,8000	-4.63	16-	4	P 15	-255.7370	-2.01	22-12	R 15	256.3346	-2.07	22-12	R 16	256.8401	-3.01	20-	9	R 0	257.2010	-2.90	27-20	Q14			
-254,8045	-1.95	19-	8	R 36	-255.7436	-2.07	22-12	Q 7	256.3390	-1.61	22-12	Q 21	256.8478	-4.20	20-	9	Q 5	257.2046	-3.63	27-20	Q20			
-254,8118	-1.79	19-	8	P 27	-255.7599	-2.77	22-12	P 4	-256.3462	-1.96	24-15	P 38	256.8513	-3.41	27-20	Q 8	257.2190	-1.86	20-	9				

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
257,5154	-3.50	17- 5	Q27	258,1278	-2.58	26-18	P12	259,1998	-2.96	23-13	P 6	259,6670	-2.20	26-18	P27	260,0691	-2.02	25-16	R20
257,5289	-1.64	20- 9	Q23	258,1419	-3.06	27-20	P21	259,2018	-2.34	23-13	Q10	259,6707	-2.25	25-16	R11	260,0695	-1.87	25-16	Q15
-257,5292	-4.09	16- 4	P50	258,1506	-1.50	20- 9	Q32	259,2270	-3.23	17- 5	Q50	259,6736	-3.28	18- 6	O15	260,0725	-3.56	18- 6	P17
257,5377	-2.79	27-20	Q18	258,1649	-3.53	17- 5	R49	259,2273	-3.64	17- 5	P41	259,6744	-2.32	25-16	Q 5	260,0729	-2.45	21-10	P 6
257,5406	-3.98	17- 5	P19	258,1902	-1.91	20- 9	P26	259,2350	-2.36	23-13	R18	259,6793	-3.29	18- 6	R28	260,0780	-1.79	21-10	Q11
257,5412	-2.11	20- 9	P17	258,1919	-3.79	17- 5	P29	259,2361	-2.30	23-13	Q11	259,6858	-2.05	23-13	Q20	260,0859	-3.06	18- 6	Q25
-257,5489	-3.61	17- 5	R40	258,1937	-3.35	17- 5	O38	259,2388	-2.88	23-13	P 7	259,6893	-3.06	25-16	P 3	260,0879	-1.79	21-10	R21
-257,5508	-1.78	20- 9	R32	258,1961	-2.10	26-18	Q16	259,2571	-1.88	26-18	Q27	259,6908	-3.25	18- 6	O16	260,0910	-3.56	17- 5	P49
257,5539	-1.78	22-12	P30	258,1985	-2.54	26-18	P13	259,2731	-2.26	23-13	O12	259,6973	-2.25	25-16	O 6	260,1020	-3.18	18- 6	R37
257,5688	-3.48	17- 5	Q28	258,1988	-2.27	26-18	R20	259,2749	-2.26	26-18	P24	259,6998	-2.21	25-16	R12	260,1061	-3.17	17- 5	Q58
257,5696	-2.92	26-18	R 3	258,2356	-1.48	20- 9	Q33	259,2775	-2.34	23-13	R19	259,7171	-3.28	18- 6	R29	260,1064	-2.32	25-16	P12
257,5761	-2.84	26-18	R 8	258,2416	-3.52	17- 5	R50	259,2776	-3.44	17- 5	R61	259,7195	-3.86	18- 6	P 9	260,1091	-1.76	21-10	Q12
257,5824	-3.02	26-18	R 2	258,2660	-3.78	17- 5	P50	259,2788	-3.62	18- 6	R12	259,7216	-2.88	25-16	P 4	260,1092	-2.38	21-10	P 7
257,5834	-2.77	26-18	R 5	258,2691	-3.34	17- 5	O39	259,2813	-2.82	23-13	P 8	259,7237	-2.18	25-16	O 7	260,1158	-2.36	23-13	P21
257,5843	-3.18	27-20	P16	258,2702	-2.07	26-18	O17	259,3138	-2.23	23-13	Q13	259,7313	-2.49	23-13	P16	260,1270	-1.94	23-13	Q26
257,5875	-1.62	20- 9	Q24	258,2748	-1.89	20- 9	P27	259,3175	-3.39	18- 6	R13	259,7326	-2.18	25-16	R13	260,1301	-1.84	25-16	G16
257,5881	-3.14	26-18	R 1	258,2751	-2.50	26-18	P14	259,3232	-2.32	23-13	R20	259,7383	-3.22	18- 6	O17	260,1308	-3.56	18- 6	P18
257,5943	-2.71	26-18	R 6	258,2757	-2.26	26-18	R21	259,3264	-2.76	23-13	P 9	259,7491	-3.58	17- 5	P46	260,1319	-1.77	21-10	R22
257,5973	-3.96	17- 5	P20	258,3252	-3.51	17- 5	R51	259,3279	-3.63	17- 5	P62	259,7519	-2.03	23-13	Q21	260,1339	-2.00	25-16	R21
257,5990	-3.32	26-18	R 0	258,3456	-3.33	17- 5	Q40	259,3281	-3.23	17- 5	Q51	259,7539	-2.13	25-16	O 8	260,1378	-3.04	18- 6	G26
257,6032	-2.08	20- 9	P18	258,3473	-3.76	17- 5	P31	259,3401	-3.86	18- 6	R 6	259,7561	-2.76	25-16	P 5	260,1426	-1.72	21-10	Q13
-257,6080	-3.60	17- 5	R41	258,3479	-2.05	26-18	O18	259,3425	-3.56	18- 6	R14	259,7573	-3.26	18- 6	R30	260,1480	-2.31	21-10	P 8
257,6096	-2.66	26-18	R 8	258,3544	-2.24	26-18	R22	259,3505	-3.77	18- 6	K 8	259,7581	-3.19	17- 5	M55	260,1586	-3.17	18- 6	R38
257,6185	-3.14	26-18	O 1	258,3551	-2.47	26-18	P15	259,3513	-3.81	18- 6	K 7	259,7619	-3.81	18- 6	P10	260,1721	-2.28	25-16	P13
257,6213	-3.47	17- 5	Q29	258,3623	-1.88	20- 9	P28	259,3514	-3.73	18- 6	R 9	259,7689	-2.16	25-16	R14	260,1743	-1.76	21-10	R23
257,6271	-2.92	26-18	O 2	258,4074	-3.51	17- 5	R52	259,3549	-3.69	18- 6	R10	259,7776	-3.20	18- 6	O18	260,1793	-1.69	21-10	Q14
257,6275	-2.62	26-18	R 8	258,4241	-3.32	17- 5	O41	259,3566	-2.20	23-13	Q14	259,7880	-2.08	25-16	O 9	260,1896	-3.51	18-	P19
257,6347	-2.77	27-20	Q19	258,4256	-3.75	17- 5	P32	259,3580	-3.54	18- 6	R15	259,7947	-2.66	25-16	P 6	260,1898	-2.25	21-10	P 9
257,6409	-2.77	26-18	O 3	258,4289	-2.03	26-18	L19	259,3629	-3.65	18- 6	R11	259,8000	-3.25	18- 6	R31	260,1924	-3.03	18- 6	Q27
-257,6418	-4.08	16- 5	P51	258,4396	-2.44	26-18	P16	259,3693	-2.30	23-13	R21	259,8018	-2.46	23-13	P17	260,1945	-1.88	25-16	G17
257,6475	-2.66	26-18	R 8	258,4413	-2.22	26-18	R23	259,3709	-3.92	18- 6	R 5	259,8062	-3.77	18- 6	P11	260,2017	-1.98	25-16	R22
257,6488	-1.60	20- 9	Q25	258,4528	-1.86	20- 9	P29	259,3730	-3.51	18- 6	R 6	259,8075	-2.19	26-18	P28	260,2025	-2.34	23-13	P22
257,6513	-2.58	26-18	R 9	258,4965	-3.50	17- 5	R53	259,3753	-2.71	23-13	P10	259,8094	-3.13	25-16	R15	260,2185	-3.55	17- 5	P50
257,6557	-3.94	17- 5	P21	258,5051	-3.31	17- 5	O42	259,3809	-3.99	18- 6	R 4	259,8162	-3.18	18- 6	O19	260,2151	-1.92	23-13	Q27
257,6675	-3.62	26-18	P 2	258,5173	-2.00	26-18	O20	259,3884	-3.49	18- 6	R17	259,8185	-2.01	23-13	Q22	260,2172	-3.16	18- 6	R39
257,6679	-2.05	20- 9	P19	258,5176	-3.73	17- 5	P33	259,3904	-4.07	18- 6	R 3	259,8250	-2.04	25-16	O10	260,2183	-1.66	21-10	Q15
-257,6686	-3.59	17- 5	R42	258,5286	-2.41	26-18	P17	259,4013	-2.24	26-18	P25	259,8324	-2.20	21-10	R 7	260,2199	-1.74	21-10	R24
257,6736	-2.58	26-18	O 5	258,5336	-2.20	26-18	R24	259,4040	-2.17	23-13	Q15	259,8327	-2.25	21-10	R 6	260,2205	-3.16	17- 5	G59
257,6770	-2.54	26-18	R10	258,5430	-1.85	20- 9	P30	259,4040	-4.17	18- 6	R 2	259,8345	-2.15	21-10	R 6	260,2340	-2.20	21-10	P10
257,6811	-3.45	17- 5	Q30	258,5843	-3.49	17- 5	R54	259,4054	-3.47	18- 6	R18	259,8359	-2.31	21-10	R 5	260,2414	-2.25	25-16	P14
257,6852	-3.15	27-20	P17	258,5882	-3.30	17- 5	O43	259,4199	-4.29	18- 6	R 1	259,8377	-2.58	25-16	P 7	260,2478	-3.01	18-	Q28
257,6856	-3.32	26-18	P 3	258,5918	-3.72	17- 5	R55	259,4229	-2.28	23-13	R22	259,8396	-2.11	21-10	R 9	260,2499	-3.49	18-	P20
257,7004	-2.50	26-18	O 6	258,6092	-1.98	26-18	O21	259,4424	-3.45	18- 6	R19	259,8410	-2.38	21-10	R 4	260,2611	-1.63	21-10	Q16
257,7104	-2.50	26-18	R11	258,6224	-2.39	26-18	P18	259,4466	-2.66	26-18	P11	259,8453	-3.24	18- 6	R32	260,2627	-1.79	25-16	P18
257,7125	-1.59	20- 9	Q26	258,6276	-2.19	26-18	R25	259,4499	-3.61	17- 5	P43	259,8469	-2.07	21-10	R10	260,2676	-1.72	21-10	R25
257,7156	-3.92	17- 5	P22	258,6395	-1.83	20- 9	P31	259,4494	-3.22	17- 5	P52	259,8499	-2.45	21-10	R 3	260,2745	-1.96	25-16	R23
257,7189	-3.14	26-18	P 4	258,6635	-3.71	17- 5	P36	259,4574	-4.47	18- 6	R 0	259,8530	-3.73	18- 6	P12	260,2812	-2.15	21-10	P11
257,7308	-2.44	26-18	Q 7	258,6738	-3.48	17- 5	R55	259,4446	-3.43	18- 6	R20	259,8537	-2.10	25-16	R16	260,2824	-3.14	18- 6	R40
-257,7347	-3.58	17- 5	R43	258,6766	-3.29	17- 5	O44	259,4540	-2.14	23-13	Q16	259,8566	-3.16	18- 6	O20	260,2897	-2.32	23-13	P23
257,7348	-2.03	20- 9	P20	258,6799	-1.96	26-18	P19	259,4632	-4.29	18- 6	O 1	259,8570	-2.04	21-10	R11	260,3044	-1.59	21-10	G18
-257,7436	-3.44	17- 5	Q31	258,7284	-2.17	26-18	R26	259,4666	-3.41	18- 6	R21	259,8611	-2.55	21-10	P 2	260,3083	-1.61	21-10	G17
257,7450	-3.02	26-18	P 5	258,7400	-1.82	20- 9	P32	259,4690	-3.92	18- 6	Q 3	259,8633	-3.65	18- 6	P14	260,3120	-3.47	18- 6	P21
257,7479	-2.47	26-18	R12	258,7604	-3.69	17- 5	P36	259,4770	-3.81	18- 6	O 4	259,8656	-2.00	25-16	Q11	260,3144	-2.21	25-16	P15
257,7589	-4.07	16- 4	P52	258,7605	-3.28	17- 5	O45	259,4791	-2.26	23-13	R23	259,8688	-3.18	17- 5	M56	260,3191	-1.71	21-10	R26
257,7655	-2.39																		

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ																			
-260,7006	-3.91	17-	5 P54	261,3818	-6.59	15-	2 Q16	262,1046	-3.46	19-	7 R6	262,6361	-4.67	24-14	P 3	263,1551	-3.86	24-14	P 14	-260,7058	-3.09	18-	6 R46	261,3834	-1.74	21-10	P30	262,1113	-3.10	19-	7 R13	262,6375	-2.75	19-	7 Q20	263,1604	-2.76	22-11	P 3				
-260,7230	-3.35	18-	6 P27	261,3858	-3.24	18-	6 P35	262,1120	-3.51	19-	7 R5	262,6458	-3.28	19-	7 R17	262,6467	-3.11	18-	6 P47	263,1651	-1.89	22-11	Q 7	-260,7364	-2.08	25-16	P20	261,4060	-6.57	15-	2 Q17	262,1210	-3.16	19-	7 R14	262,6496	-3.77	24-14	R14	263,1683	-1.79	22-11	R17
-260,7452	-1.45	21-10	Q25	261,4061	-3.02	18-	6 R54	262,1216	-3.58	19-	7 R4	262,6496	-3.77	24-14	R14	-260,7466	-1.61	21-10	R33	261,4120	-7.26	15-	2 P8	262,1274	-6.75	15-	2 P24	262,6517	-2.04	28-21	Q19	263,1740	-2.86	29-23	R 6								
-260,7470	-1.90	21-10	P19	261,4315	-6.54	15-	2 Q18	262,1326	-3.66	19-	7 R3	262,6549	-3.80	24-14	Q7	263,1759	-3.46	29-23	P 3	-260,7563	-1.67	25-16	Q24	261,4346	-2.82	18-	6 Q44	262,1328	-3.13	19-	7 R15	262,6629	-2.83	19-	7 R32	263,1759	-2.57	19-	7 Q30				
-260,7698	-2.90	18-	6 Q36	261,4456	-7.21	15-	2 P9	262,1350	-2.76	18-	6 O51	262,6668	-4.50	24-14	P 4	-260,7842	-3.08	18-	6 R47	261,4585	-6.52	15-	2 Q19	262,1461	-3.76	19-	7 R2	262,6753	-2.43	28-21	P17	263,1832	-2.33	28-21	P21								
-260,7895	-2.23	23-13	P28	261,4648	-1.31	21-10	P34	262,1464	-3.10	19-	7 R16	262,6812	-6.60	15-	2 P33	262,1521	-3.01	18-	6 R55	262,1803	-3.04	19-	7 R18	262,6814	-3.75	24-14	Q 8	263,1899	-2.59	22-11	P 4												
-260,7988	-3.34	18-	6 P28	261,4772	-1.72	21-10	P28	262,1619	-3.88	19-	7 R1	262,6814	-3.75	24-14	Q 8	-260,8139	-1.43	21-10	O26	261,4785	-3.22	18-	6 P36	262,1621	-3.08	19-	7 R17	262,6816	-2.73	19-	7 Q21	263,1933	-3.38	24-14	O19								
-260,8182	-1.87	21-10	P20	261,4806	-7.16	15-	2 P10	262,1627	-2.17	28-21	D14	262,6822	-3.75	24-14	R15	-260,8326	-3.51	17-	5 P55	261,4869	-6.50	15-	2 Q20	262,1771	-2.59	28-21	P12	262,6950	-3.25	19-	7 P14	263,1986	-2.72	29-23	Q 5								
-260,8329	-2.06	25-16	P21	261,4986	-3.01	18-	6 R55	262,1792	-4.06	19-	7 R0	262,6999	-4.37	24-14	P 5	-260,8445	-2.89	18-	6 Q37	261,5121	-3.47	17-	5 P60	262,1803	-3.04	19-	7 R18	262,7064	-2.71	18-	6 P56	263,2010	-1.76	22-11	R 8								
-260,8675	-3.07	18-	6 R48	261,5166	-6.48	15-	2 Q21	262,1874	-2.35	28-21	R17	262,7115	-3.70	24-14	Q 9	-260,8761	-3.32	18-	6 P29	261,5174	-7.11	15-	2 P11	262,1876	-6.73	15-	2 P25	262,7165	-2.82	19-	7 R33	263,2195	-2.73	19-	R 41								
-260,8865	-1.41	21-10	Q27	261,5225	-2.81	18-	6 O45	262,1893	-3.14	18-	6 P43	262,7180	-3.72	24-14	R16	-260,8981	-1.85	21-10	P21	261,5425	-3.03	28-21	R 2	262,2007	-3.04	19-	7 R19	262,7281	-2.71	19-	7 Q22	263,2221	-2.46	22-11	P 5								
-260,9220	-2.88	18-	6 Q38	261,5453	-3.15	25-16	B21	262,2008	-1.62	21-10	P35	262,7371	-4.28	24-14	P 6	-260,9331	-2.04	25-16	P22	261,5456	-2.93	28-21	R 3	262,2011	-3.88	19-	7 Q1	262,7448	-3.65	24-14	Q10	263,2224	-3.83	24-14	P15								
-260,9481	-3.06	18-	6 R49	261,5483	-6.46	15-	2 Q22	262,2056	-3.66	19-	7 Q2	262,7458	-3.21	19-	7 P15	-260,9568	-3.31	18-	6 P30	261,5525	-3.33	28-21	R 0	262,2117	-3.51	19-	7 Q3	262,7567	-3.70	24-14	R17	263,2235	-1.74	22-11	R19								
-260,9632	-4.50	17-	5 P56	261,5542	-2.85	28-21	R 4	262,2201	-3.41	19-	7 Q4	262,7630	-3.10	18-	6 P48	-260,9730	-1.40	21-10	Q28	261,5555	-7.07	15-	2 P12	262,2229	-3.02	19-	7 R20	262,7683	-2.02	28-21	Q20	263,2570	-2.37	22-11	P 6								
-260,9730	-1.40	21-10	Q28	261,5555	-7.07	15-	2 P12	262,2310	-3.32	19-	7 Q5	262,7748	-2.80	19-	7 R34	-260,9730	-1.83	21-10	P22	261,5684	-2.79	28-21	R 1	262,2008	-1.62	21-10	P35	262,7731	-4.28	24-14	P 6												
-261,0012	-2.87	18-	6 Q39	261,5721	-2.15	25-16	B21	262,2432	-3.25	19-	7 Q6	262,7769	-2.69	19-	7 Q23	-261,0195	-0.88	15-	2 R15	261,5727	-3.21	28-21	R 1	262,2448	-4.36	19-	7 P2	262,7776	-4.20	24-14	P 7												
-261,0202	-0.91	15-	2 R14	261,5816	-6.44	15-	2 Q23	262,2476	-3.00	19-	7 R21	262,7808	-3.61	24-14	Q11	-261,0214	-6.93	15-	2 R13	261,5845	-2.93	28-21	R 2	262,2481	-2.75	18-	6 P52	262,7929	-2.40	28-21	P18												
-261,0215	-6.85	15-	2 R16	261,5884	-2.73	28-21	R 6	262,2488	-2.14	28-21	Q15	262,7992	-3.18	19-	7 P16	-261,0234	-6.95	15-	2 R12	261,5943	-1.71	21-10	P29	262,2570	-3.07	19-	7 R20	262,7683	-2.02	28-21	Q20	263,2570	-2.37	22-11	P 6								
-261,0244	-6.83	15-	2 R17	261,5947	-7.03	15-	2 P13	262,2576	-3.18	19-	7 Q7	262,7993	-3.67	24-14	R18	-261,0283	-6.81	15-	2 R18	261,6114	-3.63	28-21	P 2	262,2622	-6.71	15-	2 P26	262,8017	-2.79	19-	7 R35	263,2723	-1.72	22-11	R20								
-261,0344	-7.03	15-	2 R10	261,6134	-2.68	28-21	R 7	262,2742	-3.13	28-21	Q15	262,8029	-4.13	24-14	P 8	-261,0348	-6.79	15-	2 R19	261,6160	-6.42	15-	2 Q24	262,2746	-2.98	19-	7 R22	262,8074	-2.65	24-14	Q24	263,2679	-3.53	24-14	R26								
-261,0348	-6.79	15-	2 R19	261,6210	-2.80	18-	6 Q46	262,2775	-2.33	28-21	R18	262,8547	-3.16	19-	7 P17	-261,0348	-6.61	21-10	P23	261,6241	-2.68	28-21	R 4	262,2878	-0.69	15-	2 P27	262,8643	-3.54	24-14	Q13	263,3113	-2.59	29-23	Q 7								
-261,0349	-1.38	21-10	Q29	261,6359	-7.00	15-	2 P14	262,2925	-3.08	19-	7 Q9	262,8682	-4.07	24-14	P 9	-261,0379	-3.29	18-	6 P31	261,6435	-3.33	28-21	P 3	262,2992	-3.88	19-	7 P4	262,8809	-2.65	19-	7 Q25	263,3132	-2.55	19-	7 Q32								
-261,0383	-2.02	25-16	P23	261,6441	-2.63	28-21	R 8	262,3002	-3.13	18-	6 P44	262,8816	-2.78	19-	7 R36	-261,0416	-7.07	15-	2 R9	261,6523	-2.59	28-21	O 5	262,3033	-2.96	19-	7 R23	262,8848	-3.09	18-	6 P49	263,3004	-2.72	29-23	R 9								
-261,0427	-0.77	15-	2 R20	261,6530	-6.40	15-	2 Q25	262,3136	-3.04	19-	7 Q10	262,8986	-3.63	24-14	R20	-261,0501	-7.11	15-	2 R8	261,6581	-3.66	17-	5 P61	262,3295	-3.76	19-	7 P5	262,9108	-3.51	24-14	Q14	263,3332	-3.34	24-14	O21								
-261,0521	-6.75	15-	2 R21	261,6681	-1.69	21-10	P30	262,3349	-2.94	19-	7 R24	262,9121	-3.13	19-	7 P18	-261,0604	-7.16	15-	2 R7	261,6696	-3.20	18-	6 P36	262,3363	-3.66	28-21	R 6	262,3429	-2.78	19-	7 R35	263,3375	-2.98	19-	7 P25								
-261,0634	-6.73	15-	2 R22	261,6783	-6.96	15-	2 P15	262,3450	-2.55	28-21	Q16	262,9167	-2.38	28-21	P19	-261,0735	-7.33	15-	2 R24	261,7224	-6.93	15-	2 P16	262,3758	-2.93	19-	7 R25	263,3776	-1.60	22-11	R27												
-261,0721	-7.21	15-	2 R6	261,6800	-2.59	28-21	P 4	262,3520	-2.74	18-	6 Q53	262,9190	-4.02	24-14	P10	-261,0785	-6.71	15-	2 R23	261,6818	-2.59	28-21	R 9	262,3540	-2.74	19-	7 Q26	263,3561	-2.71	19-	7 R43												
-261,0831	-2.86	18-	6 Q40	261,6862	-2.52	28-21	P 6	262,3586	-2.52	28-21	P14	262,9198	-3.61	24-14	R21	-261,0841	-7.26	15-	2 R5	261,6921	-3.39	15-	2 Q26	262,3612	-2.96	19-	7 Q12	262,9060	-3.48	24-14	Q15	263,3727	-2.53	29-23	Q 8								
-261,0884	-6.68	15-	2 R25	261,7187	-2.79	18-	6 Q47	262,3623	-3.66	19-	7 P6	262,9175	-3.10	19-	7 P19	-261,0955	-3.49	17-	5 P57	261,7223	-3.03	28-21	P 5	262,3742	-2.31	28-21	R19	263,3775	-2.72	19-	7 R42												
-261,1078	-6.69	15-	2 R24	261,7250	-2.55	28-21	R10	262,3885	-2.93	19-	7 Q13	262,9295	-2.62	24-14	R27	-261,1132	-7.51	15-	2 R2	261,7734	-2.52	28-21	R11	262,4022	-2.29	22-11	R4	263,3889	-2.53	19-	7 Q33												
-261,1162	-1.37	21-10	O30	261,7655	-1.68	21-10	P31	262,4127	-3.12	18-	6 P45	263,0139	-3.46	22-11	R10	-261,1210	-1.79	21-10	P24	261,7674	-6.91	15-	2 P17	262,4173	-2.90	19-	7 Q14	263,0161	-2.16	22-11	R6	263,3825	-6.06	16-	3 R16								
-261,1214	-3.28	18-	6 P32	261,7692																																							

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
263,5210	-5.85	16-	3	R27	263,8657	-2.37	26-	17	Q11	264,6295	-2.08	26-	17	Q22	265,7526	-2.80	20-	8	P17
263,5250	-3.72	24-	14	P19	263,8714	-2.47	26-	17	R16	264,6312	-1.65	22-	11	P27	265,7833	-2.44	20-	8	R35
-263,5272	-3.04	18-	6	P56	263,8737	-6.31	16-	3	P11	264,6315	-2.78	19-	7	P39	265,7961	-2.30	20-	8	Q25
-263,5332	-2.51	19-	7	Q35	263,8757	-2.88	26-	17	P8	264,6377	-2.53	29-	23	P18	265,8147	-2.78	20-	8	P18
263,5355	-2.94	19-	7	P27	263,8810	-1.83	22-	11	P18	264,6444	-3.51	24-	14	P30	265,8458	-5.45	17-	4	R13
263,5386	-2.62	29-	23	R12	263,8869	-3.63	24-	14	P23	264,6826	-2.47	26-	17	P19	265,8465	-5.48	17-	4	R12
263,5397	-6.84	16-	3	Q1	263,8885	-5.68	16-	3	Q21	264,6890	-5.90	16-	3	P27	265,8465	-5.51	17-	4	R11
263,5433	-6.61	16-	3	Q2	263,9032	-2.30	29-	23	Q14	264,7128	-2.77	19-	7	P40	265,8476	-2.43	20-	8	R36
263,5446	-5.84	16-	3	R28	263,9116	-1.37	22-	11	O24	264,7237	-2.06	26-	17	Q23	265,8483	-5.42	17-	4	R14
263,5473	-6.47	16-	3	Q3	263,9121	-6.27	16-	3	P12	264,7289	-1.63	22-	11	P28	265,8512	-5.39	17-	4	R15
263,5495	-2.86	29-	23	P9	263,9202	-3.22	24-	14	Q28	264,7547	-5.88	16-	3	P28	265,8512	-5.55	17-	4	R10
263,5515	-2.50	22-	11	Q18	263,9219	-2.33	26-	17	O12	264,7659	-3.50	24-	14	P31	265,8560	-5.37	17-	4	R16
263,5540	-6.36	16-	3	Q4	263,9220	-5.66	16-	3	Q22	264,7824	-2.45	26-	17	P20	265,8561	-5.58	17-	4	R9
263,5553	-1.62	22-	11	R26	263,9255	-2.45	26-	17	R17	264,8098	-2.51	29-	23	P19	265,8581	-2.28	20-	8	Q26
263,5579	-2.95	26-	17	R4	263,9292	-2.83	26-	17	P9	264,8204	-5.87	16-	3	P29	265,8619	-5.63	17-	4	R8
263,5583	-3.03	26-	17	R3	263,9422	-2.45	19-	7	Q40	264,8246	-2.04	26-	17	O24	265,8625	-5.35	17-	4	R17
263,5613	-6.27	16-	3	Q5	263,9462	-3.02	18-	6	P57	264,8423	-2.76	19-	7	P41	265,8706	-5.32	17-	4	R18
263,5615	-3.13	26-	17	R2	263,9469	-2.51	29-	23	R16	264,8833	-2.43	26-	17	P21	265,8708	-5.67	17-	4	R7
263,5624	-2.88	26-	17	R5	-263,9473	-2.87	19-	7	P32	264,8894	-5.85	16-	3	P30	265,8800	-5.72	17-	4	R6
263,5639	-3.29	24-	14	Q24	263,9496	-2.68	29-	23	P13	264,9272	-2.02	26-	17	Q25	265,8807	-5.30	17-	4	R19
263,5646	-5.82	16-	3	R29	263,9530	-6.23	16-	3	P13	264,9548	-5.84	16-	3	P31	265,8880	-2.75	20-	8	P19
263,5649	-2.83	26-	17	R6	263,9570	-1.81	22-	11	P19	264,9568	-2.75	19-	7	P42	265,8916	-5.78	17-	4	R5
263,5701	-6.20	16-	3	Q6	263,9573	-5.61	16-	3	Q23	264,9721	-3.01	20-	8	S8	265,8918	-5.28	17-	4	R20
263,5719	-3.25	26-	17	R1	263,9648	-2.30	26-	17	Q13	264,9722	-2.97	20-	8	R9	265,9045	-5.85	17-	4	R4
263,5780	-1.99	22-	11	P13	263,9816	-3.61	24-	14	P24	264,9737	-3.05	20-	8	R7	265,9053	-5.26	17-	4	R21
263,5808	-6.14	16-	3	Q7	263,9819	-1.36	22-	11	Q25	264,9748	-2.93	20-	8	R10	265,9150	-2.42	20-	8	R37
263,5820	-2.77	26-	17	R7	263,9842	-2.43	26-	17	R18	264,9781	-3.10	20-	8	R6	265,9188	-5.93	17-	4	R3
263,5832	-3.43	26-	17	R0	263,9857	-2.77	26-	17	P10	264,9796	-2.89	20-	8	R11	265,9217	-5.25	17-	4	R22
263,5854	-7.31	16-	3	P2	263,9941	-5.62	16-	3	Q24	264,9843	-3.16	20-	8	R5	265,9267	-2.27	20-	8	O27
263,5929	-6.08	16-	3	Q8	263,9956	-6.20	16-	3	P14	264,9869	-2.86	20-	8	R12	265,9333	-2.73	20-	8	P20
263,5940	-2.68	19-	7	R46	264,0187	-3.21	24-	14	Q29	264,9902	-2.41	26-	17	P22	265,9347	-6.02	17-	4	R2
263,5976	-2.73	26-	17	R8	264,0226	-2.27	29-	23	Q15	264,9922	-3.23	20-	8	R4	265,9369	-5.23	17-	4	R23
263,6011	-2.40	29-	23	Q11	264,0231	-2.27	26-	17	O14	264,9962	-2.83	20-	8	R13	265,9526	-6.15	17-	4	R1
263,6036	-3.25	26-	17	Q1	264,0324	-1.79	22-	11	P20	265,0040	-3.31	20-	8	R3	265,9552	-5.21	17-	4	R24
263,6055	-1.47	22-	11	Q19	264,0326	-5.61	16-	3	Q25	265,0081	-2.80	20-	8	R14	265,9609	-2.25	20-	8	Q28
263,6064	-2.93	19-	7	P28	264,0361	-2.44	19-	7	Q41	265,0169	-3.41	20-	8	R2	265,9713	-6.32	17-	4	R0
263,6068	-6.03	16-	3	Q9	264,0399	-6.17	16-	3	P15	265,0228	-2.78	20-	8	R15	265,9753	-5.19	17-	4	R25
263,6084	-2.50	19-	7	Q36	-264,0417	-2.85	19-	7	P33	265,0324	-3.53	20-	8	R1	265,9943	-6.15	17-	4	Q1
263,6092	-2.70	24-	14	P20	264,0439	-2.73	26-	17	P11	265,0363	-2.00	26-	17	Q26	265,9972	-5.18	17-	4	R23
263,6118	-7.01	16-	3	P3	264,0439	-2.41	26-	17	R19	265,0406	-2.75	20-	8	R16	265,9986	-5.93	17-	4	R26
263,6127	-3.03	26-	17	Q2	264,0540	-1.34	22-	11	Q26	265,0503	-3.71	20-	8	R0	266,0037	-5.76	17-	4	Q3
263,6149	-2.69	26-	17	R9	264,0701	-2.65	29-	23	P14	265,0696	-2.73	20-	8	R17	266,0043	-2.71	20-	8	P21
263,6224	-5.99	16-	3	O10	264,0721	-5.59	16-	3	Q26	265,0708	-2.71	20-	8	R18	266,0108	-5.67	17-	4	Q4
263,6227	-2.88	26-	17	Q3	264,0790	-2.49	29-	23	R17	265,0724	-3.53	20-	8	Q1	266,0195	-5.58	17-	4	Q5
263,6277	-2.59	29-	23	R13	264,0839	-2.24	26-	17	O15	265,0766	-3.31	20-	8	R2	266,0201	-5.16	17-	4	R7
263,6363	-2.81	29-	23	P10	264,0845	-3.60	24-	14	P25	265,0800	-2.74	19-	7	P43	266,0296	-5.51	17-	4	Q6
263,6369	-5.69	22-	11	P14	264,0851	-6.14	16-	3	P16	265,0832	-3.16	20-	8	R3	266,0324	-2.24	20-	8	Q29
263,6380	-5.95	16-	3	Q11	264,1096	-2.39	26-	17	R26	265,0924	-3.05	20-	8	R4	266,0403	-5.63	17-	4	R2
263,6387	-6.84	16-	3	P4	264,1098	-1.76	22-	11	P21	265,0974	-2.69	20-	8	R19	266,0409	-5.45	17-	4	Q7
263,6399	-2.77	26-	17	Q4	264,1111	-2.69	26-	17	P12	265,1013	-2.39	20-	8	R21	266,0459	-5.15	17-	4	R28
263,6412	-2.65	26-	17	R10	264,1150	-5.57	16-	3	Q27	265,1034	-2.97	20-	8	D5	266,0547	-5.39	17-	4	Q35
263,6445	-3.73	26-	17	P2	264,1191	-3.19	24-	14	Q30	265,1166	-4.01	20-	8	P2	266,0676	-6.32	17-	4	P3
263,6487	-3.27	24-	14	Q25	264,1290	-2.84	19-	7	P34	265,1169	-2.89	20-	8	S6	266,0688	-5.35	17-	4	Q9
263,6561	-5.91	16-	3	Q12	264,1303	-1.32	22-	11	Q27	265,1236	-2.67	20-	8	R20	266,0731	-5.13	17-	4	R29
263,6600	-2.69	26-	17	Q5	264,1325	-6.11	16-	3	P17	265,1328	-2.83	20-	8	O7	266,0747	-2.69	20-	8	P22
263,6614	-1.45	22-	11	O20	264,1427	-2.43	19-	7	Q42	265,1430	-3.71	20-	8	P3	266,0860	-5.30	17-	4	O10
263,6682	-6.71	16-	3	P5	264,1467	-2.29	29-	23	Q16	265,1505	-2.78	20-	8	R8	266,0957	-6.15	17-	4	P4
263,6696	-2.62	26-	17	R11	264,1498	-2.21	26-	17	Q16	265,1521	-2.65	20-	8	R21	266,1023	-5.12	17-	4	R30
263,6740	-3.43	26-	17	P17	264,1795	-2.37	26-	17	R21	265,1717	-3.53	20-	8	P4	266,1223	-5.23	17-	4	Q11
263,6758	-5.88	16-	3	Q13	264,1805	-2.65	26-	17	P13	265,1818	-2.73	19-	7	P44	266,1244	-2.22	20-	8	S30
263,6849	-2.62	26-	17	Q6	264,1811	-6.08	16-	3	P18	265,1843	-2.63	20-	8	R22	266,1259	-6.02	17-	4	P5
263,6905	-2.91	19-	7	P29	264,1892	-1.74	22-	11	P22	265,1932	-2.69	20-	8	O10	266,1338	-5.11	17-	4	R31
263,7044	-3.25	26-	17	P4	264,2466	-5.53</													

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
-266,6948	-2,66	25-15	O15	267,2267	-1,38	23-12	D23	-268,0342	-5,06	17- 4	P38	268,5309	-5,55	18- 5	R 1	-269,1903	-1,92	21- 9	Q30
-266,6944	-4,96	17- 4	R44	267,2376	-2,52	28-20	R18	268,0345	-3,23	21- 9	R 1	268,5424	-4,62	18- 5	R 23	269,1924	-2,37	21- 9	P23
266,6978	-3,15	25-15	P11	267,2521	-1,82	23-12	P18	268,0361	-2,60	28-20	P20	268,5488	-2,63	21- 9	P13	269,2038	-4,82	18- 5	P17
-266,7048	-2,55	20- 8	P30	267,2550	-2,48	25-15	O23	268,0381	-4,36	27-18	R14	268,5511	-5,72	18- 5	R 0	-269,2071	-4,94	17- 4	P50
266,7079	-2,79	25-15	R21	267,2579	-2,39	28-20	O15	268,0387	-2,48	21- 9	R15	268,5633	-4,19	27-18	R22	-269,2152	-4,39	18- 5	R41
266,7107	-4,85	17- 4	Q29	267,2613	-3,19	17- 4	P28	268,0518	-3,41	21- 9	R 0	268,5635	-4,61	18- 5	R24	269,2364	-4,28	18- 5	Q27
266,7111	-3,58	28-20	P 3	267,2784	-2,89	25-15	P19	268,0569	-2,45	21- 9	R16	268,5734	-2,10	21- 9	Q20	269,2567	-4,79	18- 5	P18
266,7121	-2,84	28-20	Q 5	-267,2847	-4,88	17- 4	R53	268,0605	-4,79	27-18	P 7	268,5743	-5,55	18- 5	P 01	-269,2666	-1,91	21- 9	Q31
266,7134	-5,37	17- 4	P19	-267,2877	-4,73	17- 4	O39	268,0639	-4,24	27-18	Q10	-268,5769	-2,20	21- 9	R30	269,2674	-3,86	27-18	Q25
266,7149	-2,15	23-12	P 9	-267,2915	-2,46	20- 8	P36	-268,0640	-4,63	17- 4	Q49	268,5770	-4,00	27-18	Q18	269,2704	-2,35	21- 9	P24
266,7150	-2,84	28-20	R 9	-267,2979	-1,36	23-12	O24	268,0741	-3,23	21- 9	Q 1	268,5773	-5,32	18- 5	P 02	-269,2707	-4,38	18- 5	R42
266,7217	-1,59	23-12	O14	-267,3044	-2,80	28-20	P13	268,0778	-2,63	21- 9	R17	268,5823	-5,18	18- 5	P 03	269,2877	-4,27	18- 5	Q28
-266,7278	-4,95	17- 4	R45	267,3233	-2,55	28-20	R19	268,0792	-3,01	21- 9	Q 2	-268,5858	-4,49	17- 4	P44	269,3047	-4,24	27-18	P22
266,7301	-1,67	23-12	R22	267,3259	-1,80	23-12	P19	268,0866	-2,86	21- 9	Q 3	268,5868	-4,59	18- 5	R25	269,3117	-4,77	18- 5	P19
266,7429	-2,76	28-20	Q 6	267,3301	-5,18	17- 4	P29	268,0881	-4,33	27-18	R15	268,5895	-5,07	18- 5	P 04	-269,3173	-4,93	17- 4	P51
266,7470	-3,40	28-20	P 4	267,3417	-2,46	25-15	O24	268,0957	-2,76	21- 9	Q 4	268,5976	-4,62	18- 5	P15	-269,3320	-4,37	18- 5	R43
266,7517	-2,80	28-20	R10	267,3418	-2,36	28-20	O16	268,1009	-2,41	21- 9	R18	268,5982	-4,98	18- 5	P 05	269,3378	-4,25	18- 5	Q29
266,7522	-2,63	25-15	O16	-267,3575	-4,72	17- 4	P40	268,1079	-2,67	21- 9	Q 5	268,6022	-2,60	21- 9	P14	-269,3457	-1,90	21- 9	Q32
-266,7537	-2,12	20- 8	O38	267,3678	-2,87	25-15	P20	268,1121	-4,20	27-18	Q11	268,6086	-4,91	18- 5	P 06	269,3507	-2,33	21- 9	P25
266,7608	-4,84	17- 4	Q30	267,3739	-1,35	23-12	O25	268,1125	-4,72	27-18	P 8	268,6118	-4,58	18- 5	R26	269,3685	-4,74	18- 5	P20
266,7612	-3,11	25-15	P12	267,3926	-2,76	28-20	P14	268,1189	-3,71	21- 9	P 2	268,6206	-4,85	18- 5	P 07	269,3838	-3,84	27-18	Q26
266,7625	-2,10	23-12	P10	-267,3989	-2,45	20- 8	P37	-268,1216	-5,05	17- 4	P39	268,6207	-6,02	18- 5	P 2	-269,3908	-4,36	18- 5	R44
266,7657	-1,56	23-12	O15	267,4017	-5,16	17- 4	P30	268,1219	-2,60	21- 9	Q 6	268,6239	-2,08	21- 9	Q21	269,3955	-4,24	18- 5	Q30
266,7675	-5,35	17- 4	P20	267,4044	-1,78	23-12	P20	268,1266	-2,39	21- 9	R19	-268,6327	-2,19	21- 9	R31	269,4245	-4,22	27-18	P23
266,7698	-2,77	25-15	R22	-267,4268	-4,72	17- 4	O41	268,1311	-1,62	23-12	P28	268,6345	-4,79	18- 5	Q 8	269,4270	-4,72	18- 5	P21
266,7772	-1,66	23-12	R23	-267,4307	-2,33	28-20	O17	268,1387	-2,53	21- 9	Q 7	268,6401	-4,56	18- 5	R27	269,4298	-4,88	21- 9	Q33
266,7792	-2,70	28-20	Q 7	267,4319	-2,54	25-15	O25	268,1430	-4,31	27-18	R16	268,6469	-5,72	18- 5	P 3	-269,4320	-4,92	17- 4	P52
266,7873	-3,27	28-20	P 5	267,4558	-3,33	23-12	Q26	268,1435	-4,62	17- 4	O50	268,6504	-4,74	18- 5	Q 9	269,4337	-2,31	21- 9	P26
266,7938	-2,76	28-20	R11	267,4611	-2,85	25-15	P21	268,1463	-3,41	21- 9	P 3	268,6514	-4,17	27-18	R23	-269,4531	-3,35	18- 5	R45
-266,8075	-2,53	20- 8	P31	267,4748	-5,15	17- 4	P31	268,1548	-2,37	21- 9	R20	268,6582	-2,56	21- 9	P15	-269,4560	-4,22	18- 5	Q31
266,8119	-2,61	25-15	Q17	267,4835	-1,75	23-12	P21	268,1578	-2,48	21- 9	Q 8	268,6596	-3,97	21- 9	Q19	269,4870	-4,70	18- 5	P22
266,8122	-4,94	17- 4	R46	267,4862	-2,73	28-20	P15	268,1632	-2,58	28-20	P21	268,6671	-4,55	18- 5	R28	269,5072	-3,82	27-18	Q27
266,8123	-1,54	23-12	O16	-267,4989	-4,70	17- 4	O42	268,1643	-4,11	27-18	O12	268,6676	-4,70	18- 5	O10	-269,5151	-4,21	18- 5	Q32
266,8130	-4,83	17- 4	O31	-267,5075	-2,44	20- 8	P38	268,1690	-4,66	27-18	P 9	268,6751	-5,55	18- 5	P 4	269,5189	-2,49	21- 9	P27
266,8134	-2,06	23-12	P11	267,5182	-1,31	23-12	O27	268,1761	-3,23	21- 9	P 4	268,6769	-2,06	21- 9	Q22	-269,5202	-4,34	18- 5	R46
266,8162	-3,07	25-15	P13	267,5262	-3,31	28-20	Q18	268,1793	-2,43	21- 9	Q 9	268,6848	-4,39	27-18	P16	269,5462	-4,20	27-18	P24
266,8206	-2,65	28-20	Q 8	-267,5498	-5,13	17- 4	P32	268,1855	-2,35	21- 9	R21	-268,6863	-4,98	17- 4	P45	-269,5483	-4,91	17- 4	P53
266,8235	-5,32	17- 4	P21	267,5584	-2,83	25-15	P22	268,2017	-4,29	27-18	R17	268,6870	-4,66	18- 5	Q11	269,5690	-4,68	18- 5	P23
266,8270	-1,64	23-12	R24	267,5694	-1,73	23-12	P22	268,2027	-2,39	21- 9	Q10	-268,6928	-2,18	21- 9	R32	-269,5616	-4,20	18- 5	Q33
266,8345	-3,18	28-20	P 6	-267,5750	-4,69	17- 4	O43	268,2076	-3,11	21- 9	P 5	268,7018	-4,53	18- 5	R29	-269,5887	-4,33	18- 5	R47
266,8352	-2,75	25-15	R23	267,5853	-2,70	28-20	P16	268,2113	-5,03	17- 4	P40	268,7056	-5,42	18- 5	P 5	269,6071	-2,28	21- 9	P28
266,8409	-2,73	28-20	R12	267,6127	-1,30	23-12	Q28	268,2187	-2,33	21- 9	R22	268,7079	-4,62	18- 5	P12	269,6127	-4,66	18- 5	P24
266,8426	-1,51	23-12	Q17	267,6193	-2,43	20- 8	P39	268,2227	-4,13	21- 9	Q18	268,7164	-2,53	21- 9	P16	-269,6256	-4,18	18- 5	Q34
-266,8537	-4,81	17- 4	Q32	267,6261	-2,29	28-20	Q19	268,2281	-4,61	27-18	P10	268,7305	-4,59	18- 5	Q13	-269,6573	-4,90	17- 4	P54
266,8671	-2,01	23-12	P12	-267,6272	-5,12	17- 4	P33	268,2292	-2,35	21- 9	Q17	268,7325	-2,04	21- 9	Q23	-269,6579	-4,32	18- 5	R48
266,8673	-2,60	28-20	Q 9	-267,6454	-4,68	17- 4	O44	-268,2394	-4,61	17- 4	O51	-268,7330	-4,52	18- 5	R30	269,6765	-4,19	27-18	P25
-266,8756	-4,94	17- 4	R47	267,6564	-1,71	23-12	P23	268,2416	-1,61	23-12	P29	268,7375	-5,32	18- 5	P 6	-269,6878	-4,64	18- 5	P25
266,8767	-2,58	25-15	Q18	267,6587	-2,81	25-15	P23	268,2422	-3,01	21- 9	P 6	268,7451	-4,15	27-18	R24	-269,6926	-4,17	18- 5	Q35
266,8805	-5,30	17- 4	P22	267,6899	-2,67	28-20	P17	268,2542	-2,31	21- 9	R23	268,7502	-3,95	27-18	Q20	269,6983	-2,26	21- 9	P29
266,8856	-1,62	23-12	R25	267,7025	-2,28	23-12	P29	268,2578	-2,31	21- 9	Q12	268,7549	-4,56	18- 5	P14	-269,7308	-4,31	18- 5	R49
266,8887	-3,10	28-20	P 7	-267,7067	-5,11	17- 4	P34	268,2634	-4,26	27-18	R18	268,7711	-5,24	18- 5	P 7	269,7461	-4,62	18- 5	P26
-267,0012	-4,92	17- 4	R49	267,8556	-4,52	27-18	R 9	268,4060	-4,22	27-18	R20	268,8826	-5,07	18- 5	P10	-269,8855	-4,14	18- 5	Q38
267,0023	-5,26	17- 4	P24	267,8603	-4,61	27-18	P 3	-268,4071	-4,60	17- 4	O53	268,8940	-4,43	18- 5	P31	269,8865	-4,59	18- 5	P28
267,0043	-2,97	28-20	P 9	267,8631	-5,08	17- 4	P36	268,4216	-4,05	27-18	O16	268,9056	-2,45	21- 9	P19	269,8865	-2,67	24-13	R

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ		
270.1143	-1.43	24.-13	R19		270.8127	-2.12	26.-16	R23		271.3763	-4.03	19.-6	R27	271.8671	-2.14	26.-16	P25	-272.7526	-1.63	22.-10	Q34
270.1158	-4.55	18.-5	P31		270.8205	-2.40	26.-16	P14		271.3767	-5.01	19.-6	P4	-271.8751	-3.78	19.-6	O25	272.7570	-3.59	19.-6	Q39
-270.1223	-4.27	18.-5	R54		270.8268	-1.95	26.-16	O18		271.3770	-4.13	19.-6	O11	271.8873	-2.29	22.-10	P16	272.7816	-4.32	29.-21	P16
270.1241	-2.74	26.-16	R4		270.8372	-1.46	24.-13	O24		271.3798	-2.10	22.-10	O11	271.8969	-4.41	29.-21	R10	-272.7934	-4.03	19.-6	P30
270.1241	-2.67	26.-16	R5		270.8470	-1.89	24.-13	P19		271.3815	-4.17	19.-6	O10	-271.9009	-3.88	19.-6	R39	272.8152	-2.03	22.-10	P28
270.1249	-2.82	26.-16	R3		270.8776	-4.02	18.-5	O50		271.3858	-2.77	22.-10	P6	271.9042	-4.89	29.-21	P5	-272.8200	-4.27	18.-5	P57
270.1295	-2.61	26.-16	R6		270.8916	-4.43	18.-5	P40		271.3869	-1.77	24.-13	P25	271.9046	-4.32	29.-21	O7	-272.8291	-3.76	19.-6	R52
270.1317	-2.92	26.-16	R2		270.8958	-2.37	26.-16	P15		271.3892	-3.98	18.-5	Q55	271.9049	-4.28	19.-6	P17	272.8350	-3.58	19.-6	Q40
270.1381	-1.75	24.-13	O12		270.8993	-1.93	26.-16	O19		271.3904	-2.08	22.-10	R22	271.9090	-1.79	22.-10	Q23	272.8621	-3.90	29.-21	Q19
270.1388	-2.56	26.-16	R7		270.9181	-1.44	24.-13	O25		271.3929	-4.48	18.-5	P45	-271.9152	-1.93	22.-10	R32	-272.8710	-4.01	19.-6	P31
270.1407	-3.04	26.-16	R1		270.9285	-1.87	24.-13	P20		271.4079	-4.89	19.-6	P5	-271.9251	-3.76	19.-6	O26	272.8871	-4.29	29.-21	P17
270.1519	-2.52	26.-16	R8		270.9745	-2.34	26.-16	P16		271.4099	-4.01	19.-6	R28	271.9333	-2.26	22.-10	P17	-272.9174	-3.57	19.-6	Q41
270.1544	-3.22	26.-16	R0		270.9749	-4.01	18.-5	Q51		271.4106	-2.07	22.-10	O12	271.9463	-4.38	29.-21	R11	-272.9243	-3.75	19.-6	R33
270.1577	-2.30	24.-13	P8		270.9768	-1.90	26.-16	Q20		271.4211	-4.09	19.-6	O12	-271.9495	-4.33	18.-5	P50	-272.9352	-2.02	22.-10	P29
270.1588	-1.81	24.-13	R20		270.9842	-4.42	18.-5	P41		271.4236	-2.69	22.-10	P7	271.9507	-4.26	29.-21	Q8	-272.9539	-4.00	19.-6	P32
270.1680	-2.48	26.-16	R9		270.9952	-1.42	24.-13	Q26		271.4286	-4.03	19.-6	O14	271.9544	-4.79	29.-21	P6	-272.9558	-4.27	18.-5	P58
270.1762	-3.04	26.-16	Q1		271.0138	-1.85	24.-13	P21		271.4288	-2.22	26.-16	P21	-271.9547	-3.94	19.-6	O60	272.9827	-3.88	29.-21	Q20
270.1790	-1.72	24.-13	Q13		271.0567	-4.34	19.-6	R12		271.4307	-2.07	22.-10	R23	-271.9617	-3.87	19.-6	R40	-273.0002	-3.56	19.-6	Q42
270.1833	-2.82	26.-16	Q2		271.0576	-2.31	26.-16	P17		271.4432	-6.79	19.-6	P6	271.9640	-4.26	19.-6	P18	-273.0077	-2.00	22.-10	P30
-270.1844	-4.09	18.-5	O42		271.0580	-1.88	26.-16	O21		271.4437	-2.03	22.-10	O13	271.9741	-1.78	22.-10	Q24	-273.0153	-3.74	19.-6	R54
270.1877	-2.44	26.-16	R10		271.0776	-4.00	18.-5	Q52		271.4438	-4.00	19.-6	R29	-271.9778	-3.75	19.-6	Q27	273.0195	-4.26	29.-21	P18
-270.1930	-2.19	21.	P9		271.0834	-4.41	18.-5	P42		271.4594	-4.06	19.-6	O13	-271.9800	-1.92	22.-10	R33	-273.0393	-3.98	19.-6	D33
-270.1933	-4.53	18.-5	P32		271.0839	-1.41	24.-13	Q27		271.4638	-2.62	22.-10	P8	272.0016	-4.35	29.-21	R12	-273.0862	-3.55	19.-6	Q43
270.1964	-2.67	26.-16	Q3		271.0956	-4.31	19.-6	R13		271.4741	-2.05	22.-10	R24	272.0028	-4.21	29.-21	Q9	-273.0957	-4.26	18.-5	P59
270.2035	-1.79	24.-13	R21		271.1023	-1.83	24.-13	P22		271.4773	-4.00	19.-6	O15	-272.0055	-2.23	22.-10	P18	-273.1018	-3.73	19.-6	H55
270.2044	-2.25	24.-13	P9		271.1194	-4.28	19.-6	R14		271.4779	-4.71	19.-6	P7	272.0103	-4.72	29.-21	P7	-273.1057	-1.99	22.-10	P11
-270.2059	-4.27	18.-5	R55		271.1221	-2.51	22.-10	R7		271.4800	-3.98	19.-6	R30	272.0233	-4.23	19.-6	P19	-273.1272	-3.97	19.-6	W34
270.2107	-2.56	26.-16	Q4		271.1224	-2.47	22.-10	R8		271.4800	-2.00	22.-10	Q14	-272.0235	-3.86	19.-6	R41	273.1481	-4.24	29.-21	I19
270.2125	-2.40	26.-16	R11		271.1242	-2.58	22.-10	R6		271.4894	-4.64	19.-6	P8	-272.0311	-3.73	19.-6	Q28	-273.1755	-3.54	19.-6	G44
270.2191	-3.52	26.-16	P2		271.1256	-2.42	22.-10	R9		271.4900	-1.75	24.-13	P26	272.0394	-1.76	22.-10	D25	273.1894	-5.34	30.-23	R1
270.2219	-1.69	24.-13	Q14		271.1293	-2.62	22.-10	R5		271.4921	-3.97	19.-6	O16	-272.0622	-4.17	29.-21	Q10	273.1948	-5.51	30.-23	U
270.2295	-2.48	26.-16	Q5		271.1310	-2.39	22.-10	R10		271.4956	-3.97	18.-5	P56	272.0630	-4.32	29.-21	R13	273.1960	-5.21	30.-23	R2
270.2410	-2.37	26.-16	R12		271.1324	-2.26	19.-6	R15		271.4978	-4.37	18.-5	P46	-272.0685	-4.32	18.-5	P51	273.2116	-5.04	30.-23	R4
270.2479	-3.22	26.-16	P3		271.1368	-2.69	22.-10	R4		271.5070	-2.56	22.-10	P9	272.0722	-4.65	29.-21	P8	273.2143	-5.12	30.-23	R3
270.2528	-2.00	26.-16	Q6		271.1383	-4.59	19.-6	R6		271.5180	-3.97	19.-6	R31	272.0762	-2.21	22.-10	P19	-273.2156	-1.97	22.-10	P32
270.2549	-2.19	24.-13	P10		271.1392	-2.35	22.-10	R11		271.5187	-1.97	22.-10	O15	-272.0772	-3.93	18.-5	Q61	-273.2157	-5.34	30.-23	G1
270.2562	-1.77	24.-13	R22		271.1443	-1.86	26.-16	O22		271.5196	-2.03	22.-10	R25	272.0840	-4.21	29.-21	Q9	-273.2162	-3.96	19.-6	P35
-270.2642	-4.08	18.-5	Q43		271.1444	-4.45	19.-6	R9		271.5317	-2.20	26.-16	P22	-272.0865	-3.85	19.-6	R42	-273.2285	-4.25	18.-5	P60
270.2695	-1.66	24.-13	Q15		271.1446	-2.29	26.-16	P18		271.5316	-3.94	19.-6	Q17	-272.0880	-3.72	19.-6	Q29	273.2312	-5.12	30.-23	Q2
270.2732	-2.34	26.-16	R13		271.1447	-4.23	19.-6	R16		271.5466	-4.59	19.-6	P9	272.1075	-1.74	22.-10	G26	273.2522	-4.97	30.-23	R5
270.2796	-2.34	26.-16	Q7		271.1457	-4.41	19.-6	R10		271.5525	-2.51	22.-10	P10	272.1272	-4.13	29.-21	Q11	273.2574	-5.82	30.-23	P2
270.2818	-3.04	26.-16	P4		271.1458	-4.49	19.-6	R8		271.5598	-3.96	19.-6	R32	272.1310	-4.29	29.-21	R14	273.2587	-4.97	30.-23	G3
-270.2854	-4.52	18.-5	P33		271.1469	-2.77	22.-10	R3		271.5612	-1.95	22.-10	Q16	-272.1455	-2.72	22.-10	O25	-273.2597	-3.53	19.-6	Q45
-270.2956	-4.76	18.-5	R56		271.1488	-5.53	19.-6	R7		271.5699	-2.02	22.-10	R26	272.1393	-4.59	29.-21	P9	273.2832	-4.21	29.-21	P20
270.3078	-2.15	24.-13	P11		271.1504	-2.32	22.-10	R12		271.5779	-3.92	19.-6	Q18	272.1466	-4.19	19.-6	P21	273.2879	-4.91	30.-23	K6
270.3089	-2.31	26.-16	R14		271.1516	-4.37	19.-6	R11		271.5892	-1.73	24.-13	P27	272.1497	-2.19	22.-10	P20	273.2939	-5.51	30.-23	P3
270.3103	-2.29	26.-16	Q8		271.1572	-4.21	19.-6	R17		271.5906	-4.53	19.-6	P10	-272.1508	-3.84	19.-6	R43	273.2979	-4.86	30.-23	Q4
270.3113	-1.75	24.-13	R23		271.1598	-2.86	22.-10	R2		271.5993	-1.90	22.-10	Q18	272.1795	-1.72	22.-10	O27	-273.3081	-3.94	19.-6	P36
270.3179	-2.92	26.-16	P5		271.1647	-2.29	22.-10	R13		271.6010	-2.47	22.-10	P11	-272.1856	-4.31	18.-5	P52	273.3160	-4.77	30.-23	G5
270.3197	-1.63	24.-13	Q16		271.1712	-4.19	19.-6	R18		271.6021	-3.94	19.-6	R33	272.1976	-4.10	29.-21	Q12	-273.3192	-1.96	22.-10	P33
270.3449	-2.24	26.-16	Q9		271.1734	-4.64	19.-6	R5		271.6062	-4.36	18.-5	P47	-272.2013	-3.93	18.-5	Q62	273.3310	-4.86	30.-23	R7
270.3489	-2.29	26.-16	R15		271.1743	-2.99	22.-10	R1		271.6082	-1.92	22.-10	Q17	-272.2015	-3.69	19.-6	Q31	273.3423	-5.34	30.-23	P4
-270.3495	-4.07	18.-5	Q44		271.1778	-3.99	18.-5	Q53		271.6082	-3.98	18.-5	P57	272.2043	-4.26	29.-21	R15	-2			

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
-273.6946	-3.90	19-	6	P40	274.2719	-2.88	27-	17	R 1	274.6275	-2.12	25-	14	P20	275.2402	-1.60	23-	11	Q23
273.6964	-2.12	25-	14	O 9	274.2757	-2.40	27-	17	R 7	274.6306	-1.96	27-	17	Q12	275.2461	-3.34	20-	7	R 45
273.7173	-2.12	25-	14	R17	274.2826	-3.54	20-	7	R28	274.6309	-2.67	23-	11	P 5	275.2584	-1.72	27-	17	Q21
273.7300	-2.08	25-	14	Q10	274.2843	-3.05	27-	17	R 0	274.6342	-1.93	23-	11	R20	275.2608	-2.07	23-	11	P17
273.7305	-2.70	25-	14	P 6	274.2899	-1.94	25-	14	R27	274.6385	-1.95	23-	11	Q10	275.2813	-6.63	20-	7	P25
273.7368	-4.45	30-	23	Q11	274.2900	-4.24	20-	7	P 7	274.6401	-1.69	25-	14	Q25	275.2970	-3.18	20-	7	Q34
-273.7497	-3.48	19-	6	Q50	274.2905	-2.36	27-	17	R 8	274.6405	-3.34	20-	7	Q23	275.3062	-1.59	23-	11	Q24
273.7588	-2.10	25-	14	R18	274.2926	-3.55	20-	7	O14	274.6472	-2.45	27-	17	P 9	275.3069	-2.05	23-	11	P18
273.7590	-4.64	30-	23	R13	274.2951	-3.44	19-	6	Q55	274.6476	-3.87	20-	7	P15	275.3197	-3.33	20-	7	R46
273.7661	-2.04	25-	14	Q11	274.3038	-2.23	25-	14	P16	-274.6520	-3.44	20-	7	R36	275.3266	-2.13	27-	17	P18
273.7726	-2.62	25-	14	P 7	274.3062	-2.88	27-	17	O 1	274.6619	-1.91	23-	11	Q11	275.3298	-3.76	19-	6	P54
273.7776	-4.86	30-	23	P10	274.3068	-5.30	20-	3	Q18	274.6643	-4.61	30-	23	P17	275.3324	-1.99	25-	14	P27
-273.7952	-3.89	19-	6	P41	274.3069	-2.31	27-	17	R 9	274.6672	-2.58	23-	11	P 6	275.3506	-1.70	27-	17	Q22
273.8060	-2.08	25-	14	R19	274.3155	-2.66	27-	17	O 2	274.6723	-1.91	23-	11	R21	275.3568	-3.62	20-	7	P26
273.8671	-2.00	25-	14	Q12	274.3213	-1.77	25-	14	Q21	274.6736	-1.9	27-	17	Q13	275.3729	-3.16	20-	7	Q35
273.8815	-2.56	25-	14	P 7	274.3217	-3.52	20-	7	R29	274.6736	-2.05	27-	17	R18	275.3760	-1.57	23-	11	Q25
273.8834	-4.42	30-	23	Q12	274.3231	-3.52	20-	7	Q15	274.6849	-3.32	20-	7	Q24	275.3847	-2.02	23-	11	P19
273.8852	-1.97	25-	14	O13	274.3255	-2.51	27-	17	O 3	-274.6873	-3.81	19-	6	P49	275.4247	-2.10	27-	17	P19
-273.8852	-3.48	19-	6	Q51	274.3276	-4.17	20-	7	P 8	274.5999	-1.88	23-	11	Q12	275.4422	-3.60	20-	7	P27
273.8854	-2.06	25-	14	R20	274.3327	-2.28	27-	17	R10	274.7018	-3.84	20-	7	P16	275.4455	-3.15	20-	7	Q36
273.8862	-4.61	30-	23	R14	274.3341	-2.40	27-	17	O 4	274.7057	-2.40	27-	17	P10	275.4465	-1.68	27-	17	Q23
273.8865	-2.50	25-	14	P 9	-274.3462	-3.84	19-	6	P46	274.7068	-2.50	23-	11	P 7	275.4471	-1.97	25-	14	P28
273.8873	-4.82	30-	23	P11	274.3499	-3.36	27-	17	P 2	274.7129	-3.42	20-	7	R37	275.4476	-1.55	23-	11	Q26
273.8897	-1.94	25-	14	O14	274.3556	-3.50	20-	7	O16	274.7134	-1.90	23-	11	R22	275.4614	-2.00	23-	11	P20
-273.8902	-3.88	19-	6	P42	274.3606	-2.24	27-	17	R11	274.7195	-2.10	25-	14	P21	275.4717	-3.76	19-	6	P55
273.8908	-2.04	25-	14	R21	274.3635	-3.51	20-	7	R30	274.7290	-1.68	25-	14	Q26	275.5123	-3.58	20-	7	P28
273.8919	-2.45	25-	14	P10	274.3635	-2.31	27-	17	Q 5	274.7331	-1.81	27-	17	O14	275.5234	-1.54	23-	11	Q27
273.8938	-4.38	30-	23	Q13	274.3668	-1.92	25-	14	R28	274.7333	-2.03	27-	17	R19	275.5272	-3.14	20-	7	Q37
273.8947	-1.91	25-	14	Q15	274.3673	-2.67	20-	7	P32	274.7373	-1.84	23-	11	Q13	275.5276	-2.08	27-	17	P20
273.8954	-3.94	20-	7	R10	274.3673	-4.11	20-	7	P 9	274.7411	-3.31	20-	7	Q25	275.5401	-1.98	23-	11	P21
273.8959	-3.90	20-	7	R11	274.3798	-2.20	25-	14	P17	-274.7441	-3.41	20-	7	R38	275.5494	-1.67	27-	17	Q24
-273.8960	-3.88	19-	6	P42	274.3806	-2.24	27-	17	R11	274.7489	-2.43	23-	11	P 8	275.5618	-1.95	25-	14	P29
273.8965	-3.97	20-	7	R 9	274.3811	-3.05	27-	17	P 3	274.7489	-2.43	23-	11	R23	275.5965	-3.57	20-	7	P29
273.8979	-3.87	20-	7	R12	274.3890	-2.24	27-	17	Q 6	274.7565	-1.88	23-	11	R23	275.6084	-3.58	20-	7	P28
273.8995	-4.02	20-	7	R 8	274.3898	-3.47	20-	7	Q17	274.7579	-3.81	20-	7	P17	275.6094	-3.75	19-	6	P56
273.9003	-2.02	25-	14	R22	274.3924	-2.21	27-	17	R12	274.7659	-2.36	27-	17	P11	275.6187	-3.13	20-	7	Q38
273.9019	-3.47	19-	6	Q52	274.3980	-1.75	25-	14	Q22	-274.7753	-1.81	23-	11	Q14	275.6207	-1.95	23-	11	P22
273.9021	-3.84	20-	7	R13	274.4038	-2.67	23-	22	R11	274.7935	-2.37	23-	11	P 9	275.6312	-2.05	27-	17	P21
273.9055	-4.06	20-	7	R 7	-274.4047	-3.44	19-	6	Q56	274.7940	-3.29	20-	7	Q26	275.6539	-1.65	27-	17	Q25
273.9055	-4.06	20-	7	R 7	-274.4047	-3.44	19-	6	Q56	274.7945	-1.86	27-	17	Q15	-275.6647	-3.12	20-	7	Q39
273.9060	-3.81	20-	7	R14	274.4050	-2.37	23-	11	R 6	274.7949	-1.95	27-	17	Q15	275.6766	-3.55	20-	7	P30
273.9071	-4.59	30-	23	R15	274.4051	-2.28	23-	11	R 8	274.7991	-2.01	27-	17	R20	275.6766	-3.55	20-	7	P30
273.9073	-4.11	20-	7	R 6	274.4086	-4.06	20-	7	P10	274.8034	-1.86	23-	11	R24	275.6836	-1.94	25-	14	P30
273.9074	-2.40	25-	14	P11	274.4088	-2.43	23-	11	R 5	274.8123	-2.08	25-	14	P22	275.7048	-1.93	23-	11	P23
273.9077	-3.78	20-	7	R15	274.4094	-2.23	23-	11	R 9	274.8159	-3.78	20-	7	P18	275.7411	-2.03	27-	17	P22
273.9082	-4.17	20-	7	R 5	274.4099	-3.48	20-	7	R10	274.8182	-1.78	23-	11	Q15	-275.7424	-3.74	19-	6	P57
273.9083	-4.71	30-	23	R12	274.4104	-3.50	20-	7	R31	274.8182	-1.66	25-	14	Q27	275.7632	-3.54	20-	7	P31
273.9088	-3.76	20-	7	R16	274.4129	-2.88	27-	17	P 4	-274.8224	-3.80	19-	6	P50	275.7651	-1.63	27-	17	Q26
273.9095	-4.24	20-	7	R16	274.4151	-2.50	23-	11	R 4	-274.8270	-3.40	20-	7	R39	275.7690	-3.11	20-	7	D40
274.0008	-1.88	25-	14	Q16	274.4167	-2.18	27-	17	Q 7	274.8271	-4.59	30-	23	P18	275.7918	-1.91	23-	11	P24
274.0012	-3.74	20-	7	R17	274.4246	-3.46	23-	11	R 3	274.8354	-2.31	27-	17	P12	275.8072	-1.92	25-	14	P22
274.0076	-4.32	20-	7	R 3	274.4250	-2.16	23-	11	R11	274.8407	-2.32	23-	11	P10	-275.8522	-3.52	20-	7	P32
-274.0112	-3.87	19-	6	P43	274.4261	-3.45	20-	7	Q18	274.8491	-3.27	20-	7	Q27	-275.8554	-3.01	27-	17	P23
274.0165	-3.71	20-	7	R18	274.4291	-2.18	27-	17	R13	274.8521	-1.84	23-	11	R25	275.8606	-3.10	20-	7	P41
274.0205	-2.00	25-	14	R23	274.4367	-2.67	23-	11	R12	274.8621	-1.84	27-	17	Q16	275.8809	-1.90	23-	11	P25
274.0231	-4.41	20-	7	R 2	274.4395	-2.13	23-	11	R12	274.8693	-1.99	27-	17	R21	275.9465	-3.51	20-	7	P33
274.0334	-2.36	25-	14	P12	274.4454	-1.91	25-	14	R29	274.8704	-1.76	23-	11	Q16	275.9658	-3.09	20-	7	P42
274.0337	-3.69	20-	7	R19	274.4483	-4.27	30-	23	Q17	274.8758	-3.76	20-	7	P18	275.9735	-1.99	27-	17	P24
274.0409	-4.54	20-	7	R 3	274.4494	-3.48	20-	7	R32	274.8809	-2.28	23-	11	P11	275.9738	-1.88	23-	11	P26
274.0409	-4.17	20-	7	Q 3	274.4497	-3.47	20-	7	R32	274.9373	-3.74	22-	23	P11	276.2299	-3.06	20-	7	Q45
274.0467	-2.32	25-	14	P13	274.4746	-2.07	23-	11	R14	-274.9442	-3.79	19-	6	P51	276.3338	-3.05	20-	7	D46
274.0479	-3.63	20-	7	R22	274.4871	-2.08	27-	17	Q 9	274.9483	-1								

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ		
277.5930	-2.30	29-20	R15		278.1885	-2.30	24-12	P 8		278.7058	-2.82	28-18	O 2	-279.2741	-3.05	21- 8	P36	280.2242	-3.75	22- 9	P 4
277.6016	-2.62	29-20	P 9		278.1957	-1.77	24-12	R22		278.7067	-6.23	18- 4	O10	-279.2802	-5.86	18- 4	R47	280.2366	-2.83	22- 9	R23
277.6160	-3.45	21- 8	P15		278.2051	-2.35	29-20	P12		278.7113	-2.48	28-18	R 9	-279.2886	-5.78	18- 4	Q29	-280.2374	-5.59	18- 4	Q45
277.6168	-2.64	26-15	Q11		278.2079	-3.23	21- 8	P24		278.7123	-1.94	24-12	P17	-279.2888	-1.79	24-12	P24	280.2409	-2.90	22- 9	Q10
277.6254	-3.22	26-15	P 7		278.2144	-2.37	26-15	Q21		278.7134	-2.68	26-15	P22	-279.2995	-2.00	28-18	Q16	280.2573	-3.62	22- 9	P 5
277.6299	-2.13	29-20	Q12		278.2265	-1.68	24-12	Q14		278.7203	-2.67	28-18	O 3	-279.3060	-6.32	18- 4	P18	-280.2591	-6.04	18- 4	P33
277.6337	-2.92	21- 8	Q23		278.2347	-1.94	29-20	O19	-278.7206	-5.99	18- 4	R34	-279.3267	-2.44	28-18	P13	280.2665	-2.87	22- 9	Q11	
277.6352	-2.70	26-15	R18		278.2353	-2.24	24-12	P 9		278.7236	-0.19	18- 4	Q11	-279.3341	-5.65	18- 4	R48	280.2716	-2.81	22- 9	R24
-277.6378	-3.03	21- 8	R35		278.2407	-1.75	24-12	R23		278.7259	-2.56	28-18	O 4	-279.3353	-5.76	18- 4	Q30	280.2825	-1.79	28-18	Q26
277.6613	-2.60	26-15	Q12		278.2554	-2.80	26-15	P17		278.7296	-7.07	18- 4	P 4	-279.3409	-2.16	28-18	R21	280.2933	-3.53	22- 9	P 6
277.6616	-3.16	26-15	P 8		278.2598	-3.22	21- 8	P25		278.7297	-1.48	24-12	Q23	-279.3583	-6.29	18- 4	P19	280.2948	-2.83	22- 9	Q12
277.6617	-2.91	21- 8	O24		278.2600	-2.77	21- 8	Q33	-278.7323	-6.00	18- 4	R33	-279.3769	-1.97	28-18	Q17	280.3088	-2.80	22- 9	R25	
277.6626	-2.27	29-20	R16		278.2702	-1.66	24-12	Q15		278.7383	-2.44	28-18	R10	-279.3805	-1.77	24-12	P25	-280.3123	-5.58	18- 4	Q46
277.6716	-2.57	29-20	P10		278.2844	-2.19	24-12	P10		278.7403	-0.15	18- 4	Q12	-279.3813	-3.04	21- 8	P37	280.3250	-2.80	22- 9	Q13
277.6730	-3.42	21- 8	P16		278.2884	-1.73	24-12	R24		278.7413	-3.52	28-18	P 2	-279.3841	-5.75	18- 4	Q31	280.3311	-3.45	22- 9	P 7
277.6853	-2.68	26-15	R19		278.2941	-2.35	26-15	Q22		278.7537	-2.48	28-18	O 5	-279.3913	-5.84	18- 4	R49	-280.3369	-6.03	18- 4	P34
-277.6983	-3.02	21- 8	R36		278.3136	-2.32	29-20	P17	-278.7545	-5.98	18- 4	R35	-279.4088	-2.40	28-18	P14	280.3471	-2.18	28-18	P23	
277.6995	-2.09	29-20	Q13		278.3167	-1.63	24-12	Q16		278.7614	-0.95	18- 4	P 5	-279.4122	-6.27	18- 4	P20	280.3491	-2.78	22- 9	R26
277.7095	-2.57	26-15	Q13		278.3277	-2.76	21- 8	Q34		278.7619	-6.12	18- 4	Q13	-279.4210	-2.14	28-18	R22	280.3578	-2.76	22- 9	Q14
277.7149	-3.10	26-15	P 9		278.3367	-2.15	24-12	P11		278.7692	-2.40	28-18	R11	-279.4309	-5.74	18- 4	Q32	280.3718	-3.38	22- 9	P 8
277.7328	-3.39	21- 8	P17		278.3384	-2.77	26-15	P18		278.7726	-3.22	28-18	P 3	-279.4533	-5.83	18- 4	R50	-280.3872	-5.57	18- 4	Q47
277.7340	-2.89	21- 8	O25		278.3442	-1.91	29-20	Q20		278.7818	-2.40	28-18	O 6	-279.4581	-1.95	28-18	Q18	280.3922	-2.76	22- 9	R27
277.7390	-2.25	29-20	R17		278.3453	-1.72	24-12	R25		278.7825	-0.09	18- 4	Q14	-279.4679	-6.25	18- 4	P21	280.3928	-2.74	22- 9	Q15
277.7395	-2.66	26-15	R20		278.3562	-3.20	21- 8	P26		278.7858	-1.92	24-12	P18	-279.4748	-1.75	24-12	P26	280.4087	-1.78	28-18	U27
277.7467	-2.53	29-20	P11		278.3668	-1.60	24-12	Q17	-278.7886	-5.97	18- 4	R36	-279.4847	-5.72	18- 4	Q33	280.4146	-3.32	22- 9	P 9	
277.7600	-2.54	26-15	Q15		278.3780	-2.33	26-15	Q23	-278.7920	-3.12	21- 8	P 31	-279.4895	-3.03	21- 8	P38	280.4299	-2.71	22- 9	Q16	
-277.7619	-3.00	21- 8	R37		278.3919	-2.11	24-12	R12		278.7946	-6.85	18- 4	P 6	-279.4943	-2.37	28-18	P15	280.4344	-2.75	22- 9	R28
277.7708	-3.05	26-15	P10		278.3984	-1.70	24-12	R26		278.8005	-1.46	24-12	Q24	-279.5101	-2.12	28-18	R23	280.4515	-6.02	18- 4	P35
277.7747	-2.06	29-20	Q14		278.4096	-2.74	21- 8	Q35		278.8041	-2.23	29-20	P21	-279.5169	-5.82	18- 4	R51	280.4597	-3.27	22- 9	P10
-277.7947	-2.87	21- 8	O26		278.4186	-1.58	24-12	Q18		278.8063	-6.06	18- 4	O15	-279.5245	-6.23	18- 4	P22	280.4683	-5.56	18- 4	Q48
277.7958	-3.37	21- 8	P18		278.4266	-2.75	26-15	P19		278.8066	-2.37	28-18	R12	-279.5386	-5.71	18- 4	Q34	280.4695	-2.68	22- 9	U17
277.7966	-2.64	26-15	R21		278.4271	-2.30	29-20	P18		278.8094	-3.04	28-18	P 4	-279.5425	-1.93	28-18	Q19	280.4723	-2.16	28-18	P24
277.8123	-2.51	26-15	Q15		278.4315	-6.32	18- 4	R15		278.8136	-2.34	28-18	O 7	-279.5722	-5.82	18- 4	R52	280.4835	-2.74	22- 9	R29
277.8200	-2.23	29-20	R18		278.4324	-6.34	18- 4	R14		278.8160	-2.66	24-15	P23	-279.5785	-1.73	24-12	P27	280.4889	-6.00	18- 4	P36
277.8273	-2.48	29-20	P12		278.4432	-6.29	18- 4	R14	-278.8241	-5.96	18- 4	R37	-279.5833	-6.21	18- 4	P23	280.5067	-3.23	22- 9	Q11	
277.8301	-3.00	26-15	P11		278.4435	-6.37	18- 4	R14		278.8289	-0.77	18- 4	P 7	-279.5844	-2.34	28-18	P16	280.5118	-2.66	22- 9	Q18
277.8400	-2.24	24-12	R 6		278.4450	-6.27	18- 4	R17		278.8303	-6.03	18- 4	O16	-279.5941	-5.70	18- 4	Q35	280.5368	-2.72	22- 9	R30
277.8403	-2.19	24-12	R 7		278.4477	-6.40	18- 4	R12		278.8373	-2.92	28-18	R12	-279.5986	-5.71	18- 4	Q34	280.5553	-5.55	18- 4	Q49
277.8429	-2.30	24-12	R 5		278.4491	-6.25	18- 4	R18		278.8404	-3.04	28-18	P 4	-279.6049	-3.02	21- 8	P39	280.5569	-3.15	22- 9	Q19
277.8429	-2.15	24-12	R 8		278.4494	-6.43	18- 4	R11		278.8473	-2.34	28-18	R13	-279.6050	-2.10	28-18	R24	280.5561	-2.64	22- 9	Q19
277.8488	-2.11	24-12	R 9		278.4491	-3.18	21- 8	P27		278.8562	-0.00	18- 4	Q17	-279.6452	-6.19	18- 4	P24	280.5573	-5.99	18- 4	P37
277.8491	-2.37	24-12	R 4		278.4449	-6.23	18- 4	R19		278.8609	-1.89	24-12	P19	-279.6454	-5.81	18- 4	R53	280.5892	-2.71	22- 9	R31
277.8555	-2.03	29-20	Q15		278.4492	-6.47	18- 4	R10	-278.8620	-5.95	18- 4	R38	-279.6528	-5.69	18- 4	Q36	280.6030	-2.61	22- 9	Q20	
277.8575	-2.45	24-12	R 3		278.4500	-2.07	24-12	P13		278.8645	-6.70	18- 4	P 8	-279.6782	-1.72	24-12	P28	280.6065	-2.14	28-18	P25
277.8578	-2.62	26-15	R22		278.4517	-6.21	18- 4	R20	-278.8674	-3.10	21- 8	P32	-279.6788	-5.67	18- 4	Q37	280.6090	-3.15	22- 9	R13	
-277.8623	-2.86	21- 8	Q27		278.4608	-6.19	18- 4	R21		278.8835	-5.98	18- 4	O18	-279.7013	-2.09	28-18	R25	280.6459	-2.70	22- 9	R32
277.8690	-2.55	24-12	R 2		278.4640	-6.68	24-12	R27		278.8874	-2.82	28-18	P 6	-279.7054	-6.17	18- 4	P25	280.6524	-2.59	22- 9	Q21
277.8703	-2.46	26-15	Q16		278.4655	-2.31	26-15	Q24		278.8889	-2.24	28-18	O 9	-279.7311	-1.89	28-18	Q21	280.6559	-5.98	18- 4	P38
277.8707	-3.34	21- 8	P19		278.4729	-6.17	18- 4	R22		278.9024	-6.65	18- 4	P 9	-279.7686	-6.15	18- 4	P26	280.7043	-2.57	22- 9	Q22
277.8835	-2.67	24-12	R 1		278.4753	-1.56	24-12	Q19	-278.9073	-5.94	18- 4	R39	-279.7793	-2.29	28-18	P18	280.7195	-5.54	18- 4	Q51	
277.8838	-2.00	24-12	R 12		278.4779	-6.59	18- 4	R 7		278.9124	-5.96	18- 4	O19	-279.7906	-1.70	24-12	P29	280.7204	-3.02	22- 9	P15
-277.8891	-2.84	21- 8	O28		278.4833	-6.15	18- 4	R23		278.9228	-2.64	24-15	P24	-279.8050	-2.07	28-18	R26	280.7409	-5.97	18- 4	P39
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Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ				
281,2536	-6.41	19-	5	Q 1	281,6250	-1.81	25-13	R 17	282,2412	-3.94	27-16	Q 20	-283,1366	-5.09	19-	5	R 61	283,8602	-2,29	23-10	Q 20		
281,2563	-6.19	19-	5	Q 2	281,6265	-1.86	25-13	Q 8	282,2413	-5.05	19-	5	P 34	283,1520	-1.69	25-13	P 26	283,8607	-5,18	20-	6	R 11	
281,2606	-2.88	22-	9	P 23	281,6271	-2.61	25-13	P 4	282,2448	-5.17	19-	5	R 50	283,1664	-4.91	19-	5	G 47	283,8627	-5,29	20-	6	R 8
281,2610	-6.04	19-	5	Q 3	281,6281	-4.29	27-16	R 16	282,2461	-5.54	19-	5	P 23	283,1750	-4.17	27-16	P 25	283,8643	-4,97	20-	6	R 19	
281,2678	-5.93	19-	5	Q 4	281,6303	-5.25	19-	5	Q 21	282,2593	-5.37	27-16	P 16	283,1794	-2.26	30-21	Q 14	283,8682	-5,34	20-	6	R 7	
281,2734	-5.40	19-	5	R 29	281,6392	-4.23	27-16	Q 10	282,2643	-2.71	22-	9	P 34	283,1813	-2.45	30-21	R 17	283,8775	-4,95	20-	6	R 20	
281,2759	-5.85	19-	5	Q 5	281,6550	-1.81	25-13	Q 9	282,2663	-1.91	25-13	P 16	-283,2059	-5.34	19-	5	P 36	283,8778	-2,49	30-21	P 18		
-281,2808	-2,43	22-	9	Q 31	281,6609	-1.79	25-13	R 18	282,3043	-1.43	25-13	U 22	283,2113	-2.68	30-21	P 12	283,8920	-4,93	20-	6	R 21		
281,2857	-5.77	19-	5	Q 6	281,6615	-5.85	19-	5	P 12	282,3050	-5.04	19-	5	P 35	283,2361	-2.91	23-10	R 8	-283,8961	-2,39	23-10	R 31	
-281,2898	-5.91	18-	4	P 45	281,6631	-2.49	25-13	P 5	282,3093	-5.53	19-	5	P 24	283,2371	-2.87	23-10	R 9	283,8989	-5,45	20-	6	R 5	
281,2969	-5.71	19-	5	Q 7	281,6667	-5.23	19-	5	Q 22	282,3162	-5.16	19-	5	P 51	283,2381	-2.95	23-10	R 7	-283,9077	-4,84	19-	5	Q 55
-281,2993	-5.38	19-	5	P 30	281,6691	-4.77	27-16	P 7	282,3232	-3.92	27-16	Q 21	-283,2396	-4.90	19-	5	Q 48	283,9090	-4,91	20-	6	R 22	
281,3039	-6.89	19-	5	P 2	281,6698	-5.26	19-	5	R 40	282,3402	-1.88	25-13	P 17	283,2402	-2.83	23-10	R 10	283,9135	-3,35	31-23	K 1		
281,3099	-5.66	19-	5	Q 8	281,6753	-4.27	27-16	R 17	282,3447	-4.35	27-16	P 17	283,2423	-3.00	23-10	R 6	283,9137	-5,52	20-	6	R 4		
281,3249	-5.61	19-	5	Q 9	281,6774	-2.80	22-	P 2	282,3509	-5.82	18-	4	P 55	283,2460	-2.79	23-10	R 11	283,9144	-2,79	23-10	P 14		
281,3318	-6.59	19-	5	P 3	281,6809	-4.19	27-16	Q 11	-282,3588	-5.02	19-	5	P 36	283,2495	-3.06	23-10	R 5	283,9156	-2,27	23-10	Q 21		
281,3392	-2.87	22-	9	P 24	281,6860	-1.77	25-13	G 10	282,3746	-5.51	19-	5	P 25	283,2524	-1.67	25-13	P 27	283,9195	-3,53	31-23	R 0		
-281,3404	-5.37	19-	5	R 31	281,6907	-5.87	18-	4	P 40	282,3790	-1.42	25-13	Q 23	283,2549	-2.76	23-10	R 12	283,9200	-3,23	31-23	R 2		
281,3410	-5.56	19-	5	Q 10	281,7005	-1.77	25-13	R 19	-282,3854	-5.15	19-	5	R 52	283,2591	-3.13	23-10	R 4	283,9271	-4,90	20-	6	R 23	
-281,3582	-2.41	22-	9	Q 32	281,7025	-2.39	25-13	P 6	282,4108	-3.90	27-16	Q 22	283,2666	-2.73	23-10	R 13	283,9274	-5,59	20-	6	R 3		
281,3592	-5.53	19-	5	Q 11	281,7047	-5.21	19-	5	Q 23	-282,4152	-5.01	19-	5	P 37	283,2712	-3.21	23-10	R 3	283,9348	-3,05	31-23	R 4	
-281,3608	-5.36	19-	5	R 32	281,7063	-5.81	19-	5	P 13	282,4172	-1.86	25-13	P 18	283,2715	-2.23	30-21	Q 15	283,9369	-3,13	31-23	R 3		
281,3617	-6.41	19-	5	P 4	281,7178	-5.25	19-	5	R 41	282,4341	-4.32	27-16	P 18	283,2765	-2.42	30-21	R 18	283,9418	-3,35	31-23	G 1		
281,3695	-4.77	27-16	R 4	281,7192	-4.70	27-16	P 8	282,4413	-5.49	19-	5	P 26	283,2821	-2.68	23-10	R 15	283,9454	-5,69	20-	6	R 2		
281,3701	-4.70	27-16	R 5	281,7204	-1.73	25-13	Q 11	282,4562	-1.40	25-13	Q 24	-283,2843	-5.33	19-	5	P 37	-283,9479	-4,88	20-	6	R 24		
281,3734	-4.85	27-16	R 3	281,7256	-4.25	27-16	R 18	-282,4621	-5.15	19-	5	R 53	283,2855	-2.70	23-10	R 14	-283,9492	-5,25	19-	5	P 44		
281,3743	-4.65	27-16	R 6	281,7276	-4.15	27-16	R 12	-282,4854	-5.00	19-	5	Q 38	283,2861	-3.31	23-10	R 2	283,9580	-3,13	31-23	Q 2			
-281,3772	-5.34	19-	5	R 33	281,7434	-1.75	25-13	R 20	282,4975	-1.83	25-13	P 19	283,3026	-3.43	23-10	R 1	-283,9629	-2,38	23-10	R 32			
281,3789	-5.49	19-	5	Q 12	281,7446	-2.31	25-13	P 7	282,5015	-3.88	27-16	O 23	283,3065	-2.64	30-21	P 13	283,9656	-5,82	20-	6	R 1		
281,3816	-4.95	27-16	R 2	281,7449	-5.20	19-	5	Q 24	282,5100	-5.47	19-	5	P 27	283,3069	-2.65	23-10	R 16	-283,9693	-4,86	20-	6	R 25	
281,3824	-4.60	27-16	R 7	281,7526	-5.77	19-	5	P 14	282,5128	-3.12	30-21	R 2	283,3223	-3.61	23-10	R 0	283,9732	-2,25	23-10	Q 22			
-281,3842	-5.90	18-	4	P 46	281,7574	-1.69	25-13	Q 12	282,5146	-3.03	30-21	R 3	-283,3291	-4.89	19-	5	Q 49	283,9753	-4,76	23-10	P 15		
281,3919	-5.07	27-16	R 1	-281,7669	-5.24	19-	5	R 42	282,5170	-3.25	30-21	R 1	283,3299	-2.63	23-10	R 17	283,9773	-2.98	31-23	K 5			
281,3937	-6.28	19-	5	P 5	281,7689	-2.78	22-	P 9	282,5224	-2.95	30-21	R 4	283,3469	-3.43	23-10	Q 1	283,9863	-3,83	31-23	P 2			
281,3944	-4.55	27-16	R 8	281,7734	-4.65	27-16	P 9	282,5259	-3.42	30-21	R 0	283,3514	-3.21	23-10	O 2	283,9869	-2,98	31-23	Q 3				
281,4000	-5.66	19-	5	Q 13	281,7783	-4.12	27-16	Q 13	282,5274	-4.29	27-16	P 19	283,3555	-2.61	23-10	R 18	283,9871	-5.99	20-	6	R 0		
281,4075	-5.25	27-16	R 0	281,7811	-4.23	27-16	R 19	282,5362	-2.88	30-21	R 5	283,3594	-3.06	23-10	O 3	-283,9935	-4,85	20-	6	R 26			
281,4094	-4.51	27-16	R 9	281,7862	-1.73	25-13	R 21	-282,5369	-5.14	19-	5	R 54	283,3635	-1.66	25-13	P 28	-284,0083	-4,83	19-	5	Q 56		
281,4199	-2.85	22-	P 25	281,7883	-5.18	19-	5	Q 25	282,5373	-1.38	25-13	O 25	283,3638	-2.95	23-10	O 4	284,0115	-2.47	30-21	P 19			
281,4229	-5.42	19-	5	Q 14	281,7904	-2.24	25-13	P 8	282,5483	-3.25	30-21	R 1	283,3691	-2.21	30-21	Q 16	284,0125	-5,82	20-	6	Q 1		
-281,4230	-5.33	19-	5	R 34	-281,7937	-5.86	18-	4	P 50	-282,5539	-4.99	19-	5	R 39	283,3753	-5.33	23-10	R 5	284,0142	-2,93	31-23	R 6	
281,4270	-6.19	19-	5	P 6	281,7982	-1.66	25-13	Q 13	282,5561	-2.82	30-21	R 6	283,3782	-2.40	30-21	R 19	284,0163	-5,59	20-	6	Q 2		
281,4280	-4.67	27-16	R 10	281,8007	-5.74	19-	5	P 15	282,5617	-3.03	30-21	R 2	283,3812	-2.87	23-10	O 5	-284,0190	-4,83	20-	6	R 27		
281,4305	-5.07	27-16	Q 1	-281,8221	-5.23	19-	5	R 43	282,5798	-2.88	30-21	G 3	283,3884	-2.59	23-10	R 19	284,0216	-5,45	20-	6	Q 3		
281,4369	-2.18	25-13	R 6	281,8299	-5.16	19-	5	Q 26	282,5804	-5.46	19-	5	P 28	283,3958	-5.31	23-10	P 2	284,0249	-3.33	31-23	P 3		
281,4379	-4.74	27-16	P 2	281,8315	-4.60	27-16	P 10	282,5806	-1.81	25-13	Q 26	283,4333	-2.68	23-10	O 8	284,0462	-2.79	31-23	G 5				
281,4505	-2.05	25-13	R 9	281,8594	-2.76	22-	Q 30	282,6139	-1.36	25-13	P 26	283,4433	-2.65	23-10	O 9	-284,0479	-4,82	20-	6	R 28			
281,4506	-4.70	27-16	Q 3	281,8742	-5.22	19-	5	R 44	-282,6230	-4.98	19-	5	Q 40	283,4558	-2.63	23-10	Q 9	-284,0479	-4,82	20-	6	R 28	
281,4511	-2.39	25-13	R 13	281,8751	-5.15	19-	5	Q 27	282,6240	-4.27	27-16	P 20	283,4571	-3.43	23-10	P 4	284,0512	-5,18	20-	6	Q 6		
-281,4515	-5.32	19-	5	Q 16	281,8887	-1.60	25-13	O 15	282,6287	-3.42	30-21	P 3	283,4677	-2.53	23-10	R 22	-284,0542	-5,24	19-	5	P 45		
281,4519	-4.44	27-16	R 11	281,8890	-4.06	27-16	P 15	282,6341	-2.68	30-21	Q 5	-283,4680	-5.31	19-	5	P 39	284,0588	-2.84	31-23	R 7			
281,4552	-5.89	18-	4	P 47	281,8898	-2.13	25-13	P 10	282,6518	-2.68	30-21	R 9	283,4746										

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
-284,3299	-4.81	19-	5	059	285,2463	-2.04	26-	14	R10	285,8692	-3.21	26-	17	P5	286,7383	-4.53	21-	7	R15	287,1865	-4.86	21-	7	P9
-284,3337	-4.70	20-	6	019	285,2529	-2.64	26-	14	R1	285,8754	-4.78	20-	6	P34	286,7423	-4.76	21-	7	R8	287,1971	-2.08	28-	17	Q26
-284,3394	-4.71	20-	6	R36	285,2557	-4.57	20-	6	R51	285,8948	-4.33	20-	6	Q45	286,7430	-4.67	20-	6	P43	287,1993	-2.49	28-	17	P22
-284,3449	-5.34	20-	6	P10	285,2635	-2.00	26-	14	R11	285,8984	-2.53	28-	17	O9	286,7454	-4.50	21-	7	R16	287,2146	-4.19	21-	7	Q18
-284,3488	-2.98	31-	23	P8	285,2687	-2.81	26-	14	R0	285,9045	-2.58	28-	17	R15	286,7456	-2.68	24-	11	O4	287,2240	-2.05	24-	11	Q19
-284,3708	-4.68	20-	6	Q20	285,2705	-2.43	23-	10	P31	285,9134	-3.11	28-	17	P6	286,7511	-4.81	21-	7	R7	287,2259	-4.81	21-	7	P10
-284,3721	-5.21	19-	5	P48	285,2737	-4.42	20-	6	Q37	285,9217	-1.67	26-	14	R26	286,7544	-4.48	21-	7	R17	287,2327	-4.20	21-	7	R34
-284,3804	-2.15	23-	10	Q28	285,2829	-1.97	26-	14	R12	285,9255	-1.52	26-	14	Q19	286,7548	-2.34	24-	11	R18	287,2401	-1.68	26-	14	P28
-284,3857	-4.70	20-	6	R37	285,2926	-2.64	26-	14	O1	285,9289	-2.00	26-	14	P14	286,7590	-2.60	24-	11	O5	287,2484	-2.56	24-	11	P13
-284,3902	-2.61	23-	10	P21	285,3007	-2.42	26-	14	O2	285,9370	-2.49	28-	17	Q10	286,7593	-1.34	26-	14	O29	287,2516	-4.17	21-	7	Q19
-284,3917	-5.29	20-	6	P11	285,3054	-2.65	31-	23	P16	285,9523	-2.55	28-	17	R16	286,7614	-4.86	21-	7	R6	287,2625	-4.19	21-	7	R35
-284,3944	-2.51	31-	23	Q10	285,3059	-1.94	26-	14	R13	285,9627	-3.03	28-	17	P7	286,7660	-4.46	21-	7	R18	287,2740	-4.76	21-	7	P11
-284,4068	-2.68	31-	23	R12	285,3108	-2.27	26-	14	O3	285,9629	-4.76	20-	6	P35	286,7712	-3.64	24-	11	P2	287,2790	-2.02	24-	11	G20
-284,4092	-4.66	20-	6	Q21	285,3131	-4.88	20-	6	P27	285,9778	-5.11	19-	5	P61	286,7732	-2.58	28-	17	P18	287,2905	-4.15	21-	7	Q20
-284,4320	-4.69	20-	6	R38	285,3160	-5.15	19-	5	P56	285,9855	-2.45	28-	17	Q11	286,7738	-4.91	21-	7	R5	287,2966	-4.62	20-	6	P48
-284,4375	-2.14	23-	10	Q29	285,3231	-2.16	26-	14	O4	285,9862	-3.33	20-	6	O4	286,7738	-4.26	20-	6	O54	287,3103	-2.52	24-	11	P14
-284,4380	-5.18	20-	6	P14	285,3257	-4.56	20-	6	R52	285,9899	-1.65	26-	14	R27	286,7754	-2.52	24-	11	O6	287,3166	-2.47	28-	17	P23
-284,4381	-2.93	31-	23	P9	285,3323	-1.91	26-	14	R14	285,9955	-1.50	26-	14	O20	286,7756	-2.16	28-	17	O22	287,3193	-4.18	21-	7	R36
-284,4410	-5.25	20-	6	P12	285,3397	-2.07	26-	14	O5	285,9997	-1.97	26-	14	P15	286,7793	-4.44	21-	7	R19	287,3206	-4.74	21-	7	P12
-284,4444	-4.80	19-	5	Q60	285,3405	-3.12	26-	14	P2	286,0062	-2.53	28-	17	R17	286,7851	-2.31	24-	11	P2	287,3311	-4.13	21-	7	Q21
-284,4489	-4.64	20-	6	O22	285,3447	-4.41	20-	6	O38	286,0143	-2.94	28-	17	P8	286,7882	-4.98	21-	7	R4	287,3357	-2.05	24-	11	P21
-284,4668	-2.59	23-	10	P22	285,3596	-2.00	26-	14	O6	286,0447	-2.41	28-	17	O12	286,7930	-1.75	26-	14	P24	287,3564	-1.67	26-	14	P29
-284,4799	-4.68	20-	6	R39	285,3621	-1.89	26-	14	R15	286,0533	-4.75	20-	6	P36	286,7943	-2.66	24-	11	O7	287,3690	-4.61	21-	7	P13
-284,4838	-5.21	19-	5	P49	285,3725	-2.81	26-	14	P3	286,0648	-4.51	28-	17	R18	286,7945	-4.42	21-	7	R20	287,3725	-2.49	24-	11	P15
-284,4863	-2.47	31-	23	Q11	285,3814	-2.42	23-	10	P32	286,0655	-1.64	26-	14	R28	286,8014	-3.34	24-	11	P3	287,3741	-4.11	21-	7	Q22
-284,4912	-4.62	20-	6	Q23	285,3822	-1.94	26-	14	O7	286,0660	-1.48	26-	14	Q21	286,8036	-5.06	21-	7	R3	287,3752	-4.17	21-	7	R37
-284,4952	-5.21	20-	6	P13	285,3879	-4.86	20-	6	P28	286,0720	-2.91	28-	17	P9	286,8120	-4.40	21-	7	R21	287,3959	-1.98	24-	11	Q22
-284,5033	-2.65	31-	23	R13	285,3954	-1.86	26-	14	R16	286,0741	-1.94	26-	14	P16	286,8156	-2.41	24-	11	Q8	287,3985	-4.16	21-	7	R38
-284,5159	-2.12	23-	10	Q30	285,3972	-2.28	26-	14	Q18	286,0762	-4.32	20-	6	Q47	286,8171	-2.29	24-	11	R20	287,4134	-4.01	20-	6	P49
-284,5273	-2.56	23-	10	P23	285,4065	-2.64	26-	14	P4	286,0876	-2.38	28-	17	Q13	286,8214	-5.16	21-	7	R2	287,4142	-4.09	21-	7	Q23
-284,5279	-5.15	20-	6	P15	285,4089	-1.89	26-	14	O8	286,0915	-2.68	26-	14	N5	286,8316	-4.38	21-	7	R22	287,4199	-4.65	21-	7	P14
-284,5336	-2.88	31-	23	P10	285,4147	-4.55	20-	6	R53	286,1241	-2.49	28-	17	R19	286,8340	-3.16	24-	11	P4	287,4378	-2.45	28-	17	P24
-284,5345	-4.60	20-	6	Q24	285,4172	-4.40	20-	6	Q39	286,1328	-2.85	28-	17	P10	286,8394	-2.36	24-	11	Q9	287,4398	-4.46	24-	11	P16
-284,5352	-4.67	20-	6	R40	285,4314	-1.84	26-	14	R17	286,1426	-1.62	26-	14	R29	286,8415	-5.28	21-	7	R1	287,4591	-1.96	24-	11	Q23
-284,5611	-4.80	19-	5	Q61	285,4393	-1.84	26-	14	Q19	286,1431	-1.46	26-	14	Q22	286,8504	-4.66	20-	6	P44	287,4655	-4.07	21-	7	Q24
-284,5603	-4.59	20-	6	O25	285,4416	-5.14	19-	5	P57	286,1449	-4.74	20-	6	P37	286,8527	-2.27	24-	11	R21	287,4720	-4.61	21-	7	P15
-284,5674	-2.63	31-	23	Q12	285,4427	-2.51	26-	14	P5	286,1482	-2.35	28-	17	Q14	286,8527	-4.36	21-	7	R23	287,4779	-4.15	21-	7	R39
-284,5912	-4.66	20-	6	R41	285,4636	-2.63	31-	23	P17	286,1519	-1.91	26-	14	P17	286,8605	-1.33	26-	14	Q30	287,4803	-1.65	26-	14	P30
-284,5960	-5.20	19-	5	P50	285,4640	-4.85	20-	6	P29	286,1682	-4.31	20-	6	O48	286,8628	-5.66	21-	7	R0	287,5153	-4.05	21-	7	Q25
-284,5985	-2.11	23-	10	Q31	285,4713	-1.81	26-	14	R18	286,1898	-2.47	28-	17	R20	286,8663	-2.31	24-	11	Q10	287,5170	-2.43	24-	11	P17
-284,6008	-5.12	20-	6	P16	285,4730	-1.79	26-	14	Q10	286,1949	-2.81	28-	17	P11	286,8694	-3.03	24-	11	P5	287,5241	-1.95	24-	11	Q24
-284,6113	-2.63	31-	23	R14	285,4832	-2.42	26-	14	P6	286,2106	-2.32	28-	17	Q15	286,8731	-2.14	28-	17	Q23	287,5267	-4.50	21-	7	P16
-284,6161	-2.55	23-	10	P24	285,4850	-2.40	23-	10	P33	286,2171	-1.44	26-	14	Q23	286,8742	-2.55	28-	17	P19	287,5367	-4.60	20-	6	P50
-284,6278	-4.57	20-	6	Q26	285,4923	-4.39	20-	6	O60	286,2231	-1.89	26-	14	P18	286,8828	-4.25	20-	6	Q55	287,5622	-2.41	24-	11	P18
-284,6682	-4.65	20-	6	R42	285,5092	-1.75	26-	14	O11	286,2599	-2.45	28-	17	R21	286,8884	-5.28	21-	7	Q1	287,5862	-4.04	21-	7	Q26
-284,6616	-5.09	20-	6	P17	285,5174	-1.79	26-	14	R19	286,2627	-5.09	19-	5	P63	286,8887	-2.27	24-	11	O11	287,5863	-2.43	28-	17	P25
-284,6725	-2.09	23-	10	Q32	285,5271	-2.34	26-	14	P7	286,2669	-2.77	28-	17	P12	286,8891	-2.26	24-	11	R22	287,5833	-4.56	21-	7	P17
-284,6779	-4.55	20-	6	Q27	285,5435	-4.83	20-	6	P30	286,2713	-4.30	20-	6	O49	286,8927	-5.06	21-	7	Q2	287,5931	-1.93	24-	11	L25
-284,6793	-4.79	19-	5	Q62	285,5503	-1.72	26-	14	Q12	286,2793	-2.29	28-	17	Q16	286,8983	-4.91	21-	7	O3	287,6057	-1.04	26-	14	P31
-284,7025	-2.53	23-	10	P25	285,5639	-3.33	28-	17	R1	286,5650	-4.27													

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
288.4707	-3.97	30-20	Q 1	289.6110	-3.25	30-20	P 17	290.2361	-3.12	25-12	R 0	290.7100	-2.48	29-18	P 10	292.6943	-2.00	29-18	P 28
288.4754	-3.50	30-20	R 7	289.6275	-2.84	30-20	Q 20	290.2369	-2.96	29-18	R 1	290.7332	-3.52	22-8	Q 28	292.9348	-3.77	23-9	R 10
288.4811	-3.75	30-20	Q 2	289.6384	-1.80	27-15	Q 14	290.2391	-6.10	21-7	P 47	290.7364	-1.92	27-15	P 23	292.9357	-3.73	23-9	R 11
-288.4972	-3.85	21-7	Q 40	289.6413	-1.91	27-15	R 21	290.2404	-2.48	29-18	R 7	290.7384	-1.95	25-12	R 27	292.9358	-3.80	23-9	R 9
288.4975	-3.61	30-20	Q 3	289.6605	-0.15	21-7	P 42	290.2479	-2.04	27-15	P 18	290.7466	-1.97	29-18	O 14	292.9388	-3.70	23-9	R 12
-288.4994	-4.30	21-7	P 30	289.6647	-2.31	27-15	P 10	290.2488	-2.19	25-12	R 15	290.7483	-2.38	25-12	P 12	292.9399	-3.85	23-9	R 8
288.5016	-3.45	30-20	R 8	289.6908	-1.78	27-15	Q 15	290.2516	-3.13	29-18	R 0	290.7499	-1.85	25-12	O 18	292.9444	-3.67	23-9	R 13
288.5173	-4.45	30-20	P 2	289.7014	-1.89	27-15	R 22	290.2562	-2.44	29-18	R 8	290.7536	-2.11	29-18	R 19	292.9458	-3.89	23-9	R 7
288.5185	-3.50	30-20	Q 4	289.7260	-0.27	27-15	P 11	290.2601	-4.32	22-8	P 10	290.7735	-4.02	22-8	P 19	292.9521	-3.84	23-9	R 14
288.5330	-3.41	30-20	R 9	289.7287	-3.22	30-20	P 18	290.2602	-1.59	27-15	Q 23	290.7800	-2.44	29-18	P 11	292.9538	-3.94	23-9	R 6
288.5469	-3.41	30-20	O 5	289.7492	-1.75	27-15	O 16	290.2611	-2.94	25-12	O 1	290.8026	-0.94	25-12	R 28	292.9619	-3.61	23-9	R 15
288.5510	-4.15	30-20	P 3	289.7602	-4.16	22-8	R 11	290.2635	-3.71	22-8	Q 8	290.8061	-1.83	25-12	Q 19	292.9640	-4.00	23-9	R 5
288.5701	-3.37	30-20	R 10	289.7608	-4.20	22-8	R 10	290.2664	-2.72	25-12	O 2	290.8078	-2.34	25-12	P 13	292.9741	-3.59	23-9	R 16
288.5795	-3.34	30-20	Q 6	289.7618	-4.13	22-8	R 12	290.2734	-2.16	25-12	R 16	290.8103	-3.51	22-8	Q 29	292.9770	-4.07	23-9	R 4
-288.5850	-4.28	21-7	P 31	289.7636	-4.24	22-8	R 9	290.2751	-2.57	25-12	Q 3	290.8156	-1.94	29-18	Q 15	292.9888	-3.57	23-9	R 17
-288.5855	-3.84	21-7	O 41	289.7651	-1.87	27-15	R 23	290.2755	-2.96	29-18	O 1	290.8159	-4.00	22-8	P 20	292.9916	-4.15	23-9	R 3
288.5907	-3.97	30-20	P 4	289.7653	-4.10	22-8	R 13	290.2783	-2.39	29-18	R 9	290.8276	-2.09	29-18	R 20	293.0057	-3.54	23-9	R 18
288.6130	-3.34	30-20	R 11	289.7687	-4.28	22-8	R 8	290.2846	-2.74	29-18	Q 2	290.8454	-1.91	27-15	P 24	293.0091	-4.24	23-9	R 2
288.6179	-3.27	30-20	Q 7	289.7713	-4.07	22-8	R 14	290.2867	-2.66	25-12	O 4	290.8542	-2.39	29-18	P 12	293.0250	-3.52	23-9	R 19
288.6350	-3.85	30-20	P 5	289.7754	-4.32	22-8	R 7	290.2885	-3.73	22-8	R 33	290.8623	-1.80	25-12	O 20	293.0282	-4.37	23-9	R 1
288.6612	-3.30	30-20	R 12	289.7801	-4.05	22-8	R 8	290.2995	-2.59	29-18	Q 3	290.8705	-2.30	25-12	P 14	293.0467	-3.50	23-9	R 20
288.6617	-3.22	30-20	O 8	289.7830	-4.14	21-7	P 7	290.2996	-2.14	25-12	R 17	290.8883	-3.98	22-8	P 21	293.0495	-4.54	23-9	R 0
-288.6731	-4.27	21-7	P 32	289.7847	-4.37	22-8	R 6	290.3014	-2.38	25-12	O 5	290.8895	-1.92	29-18	O 16	293.0708	-3.48	23-9	R 21
288.6867	-3.75	30-20	P 6	289.7920	-4.02	22-8	R 16	290.3041	-3.69	22-8	Q 19	290.8936	-3.49	22-8	P 30	293.0756	-4.37	23-9	Q 1
288.6883	-3.83	21-7	O 42	289.7938	-2.23	27-15	P 12	290.3044	-2.48	29-18	O 4	290.9065	-2.07	29-18	R 21	293.0804	-4.15	23-9	Q 2
288.7112	-3.17	30-20	Q 9	289.7957	-4.43	22-8	R 5	290.3047	-2.36	29-18	R 10	290.9260	-1.78	25-12	O 21	293.0875	-4.00	23-9	Q 3
288.7152	-3.27	30-20	R 13	289.8076	-3.98	22-8	R 18	290.3067	-4.28	22-8	P 11	290.9324	-2.36	29-18	P 13	293.0960	-3.89	23-9	Q 4
288.7426	-3.67	30-20	P 7	289.8089	-4.50	22-8	R 4	290.3111	-3.42	25-12	P 2	290.9361	-2.27	25-12	P 15	293.0972	-3.46	23-9	R 22
-288.7509	-3.82	21-7	O 43	289.8097	-1.72	27-15	Q 17	290.3182	-2.30	25-12	Q 6	290.9460	-3.48	22-8	Q 31	293.1076	-3.80	23-9	Q 5
288.7659	-3.13	30-20	O 10	289.8167	-4.00	22-8	R 17	290.3232	-3.46	29-18	P 2	290.9581	-1.89	27-15	P 25	293.1207	-3.73	23-9	Q 6
-288.7661	-4.25	21-7	P 33	289.8245	-4.58	22-8	R 3	290.3308	-2.12	25-12	R 18	290.9596	-3.96	22-8	P 22	293.1258	-3.45	23-9	R 23
288.7749	-3.25	30-20	R 14	289.8283	-3.96	22-8	R 19	290.3331	-2.39	29-18	Q 5	290.9685	-1.89	29-18	Q 17	293.1279	-4.85	23-9	P 2
288.8044	-3.61	30-20	P 8	289.8325	-1.85	27-15	R 24	290.3342	-3.72	22-8	R 34	290.9868	-2.05	29-18	R 22	293.1366	-3.67	23-9	Q 7
288.8264	-3.09	30-20	Q 11	289.8417	-4.68	22-8	R 2	290.3349	-2.32	29-18	R 11	290.9905	-1.76	25-12	Q 22	293.1547	-3.61	23-9	Q 8
288.8405	-3.22	30-20	R 15	289.8479	-3.94	22-8	R 20	290.3383	-2.01	27-15	P 19	291.0045	-2.24	25-12	P 16	293.1570	-3.43	23-9	R 24
-288.8445	-3.81	21-7	O 44	289.8511	-2.19	27-15	P 13	290.3383	-2.24	25-12	Q 7	291.0155	-3.47	22-8	Q 32	293.1588	-3.55	23-9	P 3
-288.8515	-4.24	21-7	P 34	289.8535	-3.19	30-20	P 20	290.3416	-3.12	25-12	P 3	291.0173	-2.32	29-18	P 14	293.1749	-3.57	23-9	Q 9
288.8716	-3.55	30-20	P 20	289.8614	-4.80	22-8	R 1	290.3445	-3.67	22-8	R 20	291.0329	-3.94	27-15	P 25	293.1902	-3.41	23-9	R 25
288.8826	-3.05	30-20	Q 12	289.8696	-3.92	22-8	R 21	290.3483	-1.58	27-15	Q 24	291.0513	-1.87	29-18	Q 18	293.1921	-4.37	23-9	P 4
288.9111	-3.19	30-20	R 16	289.8756	-1.70	27-15	Q 18	290.3556	-4.24	22-8	P 12	291.0582	-1.74	25-12	Q 23	293.1969	-3.52	23-9	Q 10
-288.9389	-3.80	21-7	O 45	289.8788	-4.13	21-7	P 7	290.3562	-3.13	29-18	R 3	291.0744	-1.87	27-15	P 26	293.2220	-3.48	23-9	Q 11
288.9444	-3.50	30-20	P 10	289.8834	-4.98	22-8	R 0	290.3601	-2.04	27-15	P 19	291.0756	-2.21	25-12	P 17	293.2264	-3.40	23-9	R 26
-288.9476	-4.23	21-7	P 35	289.8891	-3.88	22-8	R 23	290.3616	-2.19	25-12	O 8	291.0767	-2.04	29-18	R 23	293.2267	-4.24	23-9	P 5
288.9641	-3.02	30-20	O 13	289.8895	-3.90	22-8	R 22	290.3616	-2.32	29-18	Q 6	291.0899	-3.45	22-8	Q 33	293.2489	-3.45	23-9	Q 12
288.9690	-3.17	30-20	R 17	289.9092	-4.80	22-8	R 1	290.3619	-2.09	25-12	R 19	291.1056	-2.29	29-18	P 15	293.2644	-4.15	23-9	P 6
-289.0225	-3.45	30-20	Q 15	289.9131	-4.58	22-8	R 0	290.3720	-2.29	29-18	R 12	291.1102	-3.92	22-8	P 24	293.2655	-3.38	23-9	R 27
-289.0390	-3.79	21-7	Q 46	289.9192	-4.43	22-8	R 3	290.3753	-2.94	25-12	R 4	291.1283	-1.73	25-12	Q 24	293.2781	-3.41	23-9	Q 13
289.0415	-2.99	30-20	Q 14	289.9256	-2.15	27-15	P 14	290.3871	-2.14	25-12	R 9	291.1371	-1.84	29-18	O 19	293.3032	-3.37	23-9	P 7
-289.0488	-4.42	22-8	P 36	289.9279	-4.32	22-8	Q 4	290.3889	-3.71	22-8	R 35	291.1504	-2.19	25-12	P 18	293.3098	-3.38	23-9	Q 14
289.0713	-3.15	30-20	R 18	289.9382	-4.24	22-8	O 5	290.3899	-3.64	22-8	Q 21	291.1541	-3.44	22-8	P 34	293.3436	-3.35	23-9	Q 15
289.0960	-3.37	30-20	P 20	289.9391	-3.17	30-20	P 20	290.4238	-2.83	29-18	P 5	291.2574	-3.88	22-8	P 26	293.3458	-4.00	23-9	P 8
289.2157	-2.73	27-15	R 9	290.0181	-1.65	27-15	Q 20	290.4474	-2.05	25-12	Q 11	291.3424	-3.86	22-8	P 27	293.3482	-3.35	23-9	R 29
289.2223	-2.79	27-15	R 15	290.0220	-3.96	22-8	Q 10	290.4517	-1.72	25-12	P 25	291.3988	-2.26	29-18	P 16	293.3794	-3.33	23-9	Q 16
289.2349	-2.19	27-15	R 10	290.0227	-0.80	22-8	P 4	290.4607	-4.20	22-8	P 13	291.2038	-1.71	25-12</					

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
293.7556	-2.79	28-16	P 8	294.3095	-2.35	31-21	O 9	295.0000	-6.71	20- 5	Q 6	-295.7343	-6.10	20- 5	R51	-296.6495	-5.86	20- 5	Q46
293.7621	-3.67	23- 9	P16	294.3127	-2.46	28-16	P16	295.0102	-6.65	20- 5	Q 7	295.7450	-6.57	20- 5	P19	296.6501	-3.00	24-10	Q14
293.7765	-2.32	28-16	R19	294.3251	-3.48	23- 9	P24	295.0125	-2.30	28-16	P23	295.7468	-1.84	26-13	P27	296.6730	-3.61	24-10	P 8
293.8033	-2.21	28-16	Q13	294.3284	-2.85	31-21	P 7	295.0221	-6.60	20- 5	Q 8	295.7625	-3.01	32-23	P 8	-296.6772	-3.00	24-10	R27
293.8087	-3.14	23- 9	Q25	294.3385	-1.76	26-13	Q15	295.0256	-7.83	20- 5	P 2	-295.7835	-6.01	20- 5	Q32	296.6805	-2.31	32-23	Q17
293.8118	-2.74	28-16	P 9	294.3491	-1.84	26-13	R24	295.0313	-6.25	20- 5	R36	-295.7942	-6.09	20- 5	R52	296.6970	-2.97	24-10	Q15
293.8242	-3.64	23- 9	P17	294.3522	-2.45	31-21	R13	295.0359	-6.55	20- 5	Q 9	295.8013	-6.55	20- 5	P20	-296.6912	-6.32	20- 5	P33
293.8348	-2.30	28-16	R20	294.3537	-2.01	28-16	Q21	295.0432	-3.35	23- 9	P32	295.8061	-2.53	32-23	Q10	-296.6926	-2.98	24-10	R28
293.8582	-2.18	28-16	Q14	-294.3575	-3.02	23- 9	Q33	295.0668	-2.48	31-21	P15	295.8125	-2.70	32-23	R12	296.7191	-3.56	24-10	P 9
293.8679	-3.12	23- 9	Q26	294.3606	-2.30	26-13	P10	295.0505	-6.50	20- 5	Q10	-295.8193	-6.00	20- 5	Q33	296.7279	-2.94	24-10	Q16
293.8719	-2.69	28-16	P10	294.3729	-2.31	31-21	O10	295.0553	-7.53	20- 5	P 3	295.8565	-2.95	32-23	P 9	-296.7283	-5.85	20- 5	Q47
293.8749	-2.30	26-13	R 7	294.3883	-1.73	26-13	Q16	295.0590	-1.53	26-13	O26	295.8590	-6.53	20- 5	P21	-296.7374	-2.97	24-10	R29
293.8757	-2.35	26-13	R 6	294.3961	-1.78	31-21	P 8	295.0656	-1.97	26-13	P20	295.8612	-1.82	26-13	P28	296.7519	-2.89	24-10	Q18
293.8779	-2.25	26-13	R 8	294.3993	-1.82	26-13	R25	-295.0669	-6.24	20- 5	R37	295.8618	-2.33	31-21	P21	-296.7576	-6.31	20- 5	P34
293.8790	-2.41	26-13	R 5	294.4004	-2.44	28-16	P17	295.0673	-6.47	20- 5	Q11	-295.8622	-6.09	20- 5	R53	296.7670	-2.67	32-23	P16
293.8833	-2.21	26-13	R 9	294.4059	-3.46	23- 9	P25	295.0852	-6.43	20- 5	Q12	-295.8757	-5.99	20- 5	Q34	296.7673	-3.50	24-10	P10
293.8860	-2.47	26-13	R 4	294.4165	-2.25	26-13	P11	295.0870	-7.35	20- 5	P 4	295.9022	-2.49	32-23	Q11	296.7736	-2.91	24-10	O17
293.8886	-3.61	23- 9	P18	294.4233	-2.42	31-21	R14	295.1044	-6.40	20- 5	Q13	295.9129	-2.67	32-23	R13	-296.7938	-5.84	20- 5	Q48
293.8891	-2.17	26-13	R10	294.4413	-1.71	26-13	O17	295.1060	-2.06	31-21	Q18	295.9178	-6.50	20- 5	P22	-296.7958	-2.95	24-10	R30
293.8897	-2.55	26-13	R 3	294.4422	-1.99	28-16	O22	295.1076	-6.22	20- 5	R38	-295.9277	-6.08	20- 5	R54	296.8185	-3.46	24-10	P11
293.8985	-2.28	28-16	R21	294.4424	-2.27	31-21	O11	295.1206	-7.22	20- 5	P 5	-295.9349	-5.98	20- 5	Q35	-296.8386	-2.87	24-10	G19
293.9035	-2.14	26-13	R11	294.4627	-1.80	26-13	R26	295.1254	-6.36	20- 5	P 14	295.9567	-2.90	32-23	P10	296.8382	-2.87	24-10	Q19
293.9087	-2.65	26-13	R 2	294.4692	-2.72	31-21	P 9	295.1289	-2.28	28-16	P24	295.9786	-6.48	20- 5	P23	-296.8460	-2.94	24-10	R31
293.9166	-2.15	28-16	O15	294.4762	-2.21	26-13	P12	-295.1397	-6.21	20- 5	R39	-295.9831	-5.96	20- 5	Q36	296.8556	-2.28	32-23	Q18
293.9188	-2.11	26-13	R12	294.4893	-3.45	23- 9	P26	295.1433	-3.34	23- 9	P33	-295.9942	-6.07	20- 5	R55	296.8717	-3.42	24-10	P12
293.9239	-2.77	26-13	R 1	294.4922	-2.41	28-16	P18	295.1475	-6.34	20- 5	Q15	296.0079	-2.45	32-23	Q12	-296.8770	-5.83	20- 5	Q49
293.9301	-3.10	23- 9	Q27	294.4976	-1.68	26-13	Q18	295.1477	-1.51	26-13	Q27	296.0255	-2.65	32-23	R14	296.8947	-2.85	24-10	Q20
293.9349	-2.64	28-16	P11	294.5001	-2.40	31-21	R15	295.1540	-1.95	26-13	P21	-296.0344	-5.95	20- 5	Q37	-296.9092	-2.93	24-10	R32
293.9359	-2.08	26-13	R13	294.5176	-2.33	23- 9	P12	295.1555	-7.13	20- 5	P 6	296.0407	-6.47	20- 5	P24	-296.9140	-6.28	20- 5	P36
293.9437	-2.95	26-13	R 0	294.5336	-1.97	28-16	O23	295.1661	-2.45	31-21	P16	296.0675	-6.06	20- 5	R56	296.9275	-3.38	24-10	P13
293.9557	-3.59	23- 9	P19	294.5384	-2.17	26-13	P13	295.1717	-6.31	20- 5	O16	296.0687	-2.85	32-23	P11	296.9329	-2.65	32-23	P17
293.9579	-2.05	26-13	R14	294.5488	-2.67	31-21	P10	295.1791	-6.20	20- 5	R40	296.0992	-5.94	20- 5	Q38	296.9489	-2.82	24-10	Q21
293.9652	-2.26	28-16	R22	294.5567	-1.66	26-13	Q19	295.1918	-7.05	20- 5	P 7	296.1049	-6.45	20- 5	P25	-296.9639	-5.82	20- 5	Q50
293.9690	-2.77	26-13	Q 1	294.5574	-1.46	26-13	Q18	295.1971	-6.28	20- 5	Q17	296.1228	-2.42	32-23	Q13	-296.9661	-2.91	24-10	R33
293.9747	-2.55	26-13	Q 2	294.5641	-2.37	31-21	R16	-295.2193	-6.19	20- 5	R41	296.1431	-2.62	32-23	R15	296.9864	-3.34	24-10	P14
293.9795	-2.12	28-16	Q16	294.5879	-2.38	28-16	P19	295.2244	-6.26	20- 5	Q18	-296.1450	-6.06	20- 5	R57	-296.9887	-6.27	20- 5	P37
293.9824	-2.02	26-13	R15	294.5991	-2.20	31-21	O13	295.2277	-2.04	31-21	O19	296.1624	-5.93	20- 5	Q39	297.0051	-2.81	24-10	D22
293.9848	-2.41	26-13	Q 3	294.6045	-2.14	26-13	P14	295.2294	-6.98	20- 5	P 8	296.1702	-6.43	20- 5	P26	297.0483	-3.31	24-10	P15
293.9952	-3.09	23- 9	Q28	294.6195	-1.64	26-13	Q20	295.2456	-1.93	26-13	P22	296.1888	-6.81	32-23	P12	-297.0494	-5.81	20- 5	Q51
293.9959	-3.03	31-21	R 2	294.6306	-1.95	28-16	O24	-295.2480	-3.33	23- 9	P34	296.2136	-6.05	20- 5	R58	297.0570	-2.79	24-10	Q23
293.9970	-2.93	31-21	R 3	294.6363	-2.63	31-21	P11	295.2509	-2.26	28-16	P25	-296.2262	-5.92	20- 5	Q40	-297.0770	-6.26	20- 5	P38
293.9972	-2.30	26-13	Q 4	294.6632	-3.41	23- 9	P28	295.2534	-6.24	20- 5	Q19	296.2375	-6.41	20- 5	P27	297.1122	-2.62	32-23	P18
294.0012	-3.15	31-21	R 1	294.6724	-2.11	26-13	P15	-295.2605	-6.18	20- 5	R42	296.2472	-2.39	32-23	Q14	297.1174	-3.28	24-10	P16
294.0017	-2.60	28-16	P12	294.6747	-2.35	31-21	R17	295.2686	-6.92	20- 5	P 9	296.2637	-3.42	24-10	R9	297.1199	-2.77	24-10	Q24
294.0043	-2.85	31-21	R 4	294.6858	-1.62	26-13	O21	295.2837	-6.21	20- 5	P20	296.2640	-3.38	24-10	R10	-297.1407	-5.81	20- 5	P52
294.0101	-2.00	26-13	R16	294.6869	-2.36	28-16	P20	295.2911	-2.42	31-21	P17	296.2653	-3.46	24-10	R8	297.1617	-3.25	24-10	P17
294.0111	-3.33	31-21	R 0	294.6871	-2.16	31-21	O14	295.3022	-3.37	32-23	R 1	296.2670	-3.34	24-10	R11	-297.1669	-6.25	20- 5	P39
294.0128	-2.21	26-13	O 5	294.7298	-2.59	31-21	P12	-295.3079	-6.17	20- 5	R43	296.2699	-3.50	24-10	R7	297.1624	-2.75	24-10	Q25
294.0177	-2.78	31-21	R 5	294.7327	-6.57	20- 5	R16	295.3087	-3.25	32-23	R 2	296.2730	-3.31	24-10	R12	-297.2283	-5.80	20- 5	P53
294.0198	-3.25	26-13	P 2	294.7328	-6.55	20- 5	R17	295.3091	-3.01	32-23	R 0	296.2739	-2.60	32-23	R 6	297.2369	-3.23	24-10	P18
294.0246	-3.57	23- 9	P20	294.7345	-6.53	20- 5	R18	295.3098	-6.87	20- 5	P10	296.2767	-3.56	24-10	R 6	297.2476	-2.73	24-10	Q26
294.0747	-1.95	26-13	R18	294.7665	-6.75	20- 5	P10	295.3832	-6.15	20- 5	Q23	296.3488	-3.98	24-10	R1	-297.5079	-5.77	20- 5	Q56
294.0828	-3.63	31-21	P 2	294.7723	-2.33	31-21	R18	295.3960	-6.79	20- 5	R44	296.3603	-6.40	20- 5	P28	-297.4033	-2.70	24-10	Q28
294.0864	-2.77	26-13	P 4	294.7771	-6.79	20- 5	R 9	295.4051	-2.95	32-23	R 6	296.3865	-3.61	24-10	R 5	297.3096	-3.20	24-10	P19

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
297.7807	-2.20	27-14	R 7	298.0871	-6.27	21- 6	P 9	298.7157	-3.61	29-17	P15	299.8935	-3.16	25-11	O 4	300.6484	-5.98	22- 7	R 2
297.7807	-3.08	24-10	P25	298.1017	-1.81	27-14	R20	298.7195	-1.50	27-14	Q22	299.9064	-3.08	25-11	Q 5	300.6504	-2.71	31-20	O 8
297.7830	-2.30	27-14	R 5	298.1052	-5.55	21- 6	R40	298.7381	-5.45	21- 6	R51	299.9088	-2.77	25-11	R20	300.6535	-2.43	25-11	Q24
297.7849	-6.70	21- 6	O 1	298.1064	-4.06	29-17	P 6	298.7442	-3.33	29-17	R25	299.9093	-5.62	21- 6	P37	300.6565	-5.14	22- 7	R26
297.7853	-2.15	27-14	R 8	298.1130	-3.50	29-17	R16	298.7572	-5.85	21- 6	P22	299.9225	-3.00	25-11	Q 6	300.6711	-6.11	22- 7	R 1
297.7886	-6.48	21- 6	Q 2	298.1140	-5.56	21- 6	Q20	298.7601	-1.95	27-14	P17	299.9235	-4.12	25-11	P 2	300.6823	-3.24	24-31	P 6
297.7889	-2.37	27-14	R 4	298.1178	-2.37	27-14	P 7	298.7665	-5.34	21- 6	Q34	299.9409	-2.95	25-11	Q 7	300.6839	-5.12	22- 7	R27
297.7932	-2.11	27-14	R 9	298.1215	-3.44	29-17	Q10	298.7862	-3.15	29-17	Q20	299.9411	-2.76	25-11	R21	300.6911	-2.77	31-20	R13
297.7934	-6.33	21- 6	Q 3	298.1277	-1.75	27-14	R14	298.7891	-2.93	24-10	P35	299.9415	-3.36	29-17	P26	300.6921	-2.91	25-11	P17
297.7981	-2.45	27-14	R 3	298.1331	-5.73	20- 5	Q62	298.7930	-1.48	27-14	Q23	299.9556	-3.82	25-11	P 3	300.6948	-6.28	22- 7	R 0
297.8002	-6.22	21- 6	O 4	298.1337	-6.22	21- 6	P10	298.7987	-5.44	21- 6	R52	299.9618	-2.89	25-11	O 8	300.6988	-5.53	21- 6	P45
297.8027	-6.00	21- 6	O 7	298.1450	-6.15	20- 5	P49	298.8024	-3.58	29-17	P16	299.9681	-5.17	21- 6	Q50	300.7012	-2.66	31-20	Q 9
-297.8033	-5.65	21- 6	R32	298.1497	-5.54	21- 6	Q21	298.8126	-5.83	21- 6	P23	299.9763	-2.74	25-11	R22	300.7061	-5.11	22- 7	R28
297.8035	-2.07	27-14	R10	298.1531	-1.79	27-14	R21	298.8242	-6.09	20- 5	P55	299.9849	-1.70	27-14	P29	300.7211	-2.41	25-11	Q25
-297.8068	-5.75	20- 5	Q59	298.1539	-5.54	21- 6	R41	298.8276	-5.33	21- 6	Q35	299.9850	-2.84	25-11	Q 9	300.7226	-6.11	22- 7	Q 1
297.8115	-6.14	21- 6	Q 5	298.1578	-3.98	29-17	P 7	298.8431	-1.92	27-14	P18	299.9901	-3.64	25-11	P 4	300.7267	-5.89	22- 7	Q 2
297.8117	-2.55	27-14	R 2	298.1661	-2.30	27-14	P 8	298.8758	-1.46	27-14	Q24	-300.0008	-5.61	21- 6	P38	300.7318	-5.74	22- 7	Q 3
297.8189	-2.04	27-14	R11	298.1663	-3.48	29-17	R17	298.8766	-3.12	29-17	O21	300.0113	-2.79	25-11	Q10	300.7347	-5.09	22- 7	R29
297.8213	-6.06	21- 6	Q 6	298.1708	-3.40	29-17	Q11	298.8798	-5.44	21- 6	R53	300.0132	-2.72	25-11	R23	300.7358	-2.89	25-11	P18
297.8274	-2.67	27-14	R 1	298.1709	-1.72	27-14	Q13	298.8885	-5.82	21- 6	P24	300.0272	-3.51	25-11	P 5	300.7391	-5.63	22- 7	Q 4
297.8298	-3.98	29-17	R 4	298.1817	-6.18	21- 6	P11	298.8888	-5.31	21- 6	Q36	300.0323	-2.76	25-11	Q11	300.7407	-3.16	31-20	P 7
-297.8298	-6.17	20- 5	P46	298.1835	-3.01	24-10	P29	298.8970	-3.55	29-17	P17	300.0541	-2.70	25-11	R24	300.7487	-5.54	22- 7	Q 5
297.8309	-3.91	29-17	R 5	298.1865	-5.52	21- 6	Q22	298.9287	-1.89	27-14	P19	-300.0591	-5.16	21- 6	O51	300.7515	-2.74	31-20	R14
-297.8336	-5.63	21- 6	R33	298.2008	-1.77	27-14	R22	298.9431	-6.09	20- 5	P56	300.0669	-3.42	25-11	P 6	300.7574	-2.62	31-20	Q10
297.8339	-4.06	29-17	R 3	298.2034	-5.53	21- 6	R42	298.9524	-5.50	21- 6	Q37	300.0700	-2.72	25-11	Q12	300.7591	-5.67	22- 7	Q 6
297.8342	-3.85	29-17	R 6	298.2114	-3.91	29-17	P 8	298.9551	-5.43	21- 6	R54	300.0819	-3.34	29-17	P27	300.7660	-5.08	22- 7	R30
297.8362	-2.00	27-14	R12	298.2176	-1.69	27-14	Q14	298.9562	-5.80	21- 6	P25	-300.0949	-5.60	21- 6	P39	300.7714	-5.41	22- 7	Q 7
297.8386	-5.95	21- 6	Q 8	298.2186	-2.25	27-14	P 9	298.9615	-1.44	27-14	O25	300.0964	-2.69	25-11	R25	300.7783	-6.59	22- 7	P 2
297.8401	-7.18	21- 6	P 2	298.2205	-6.06	21- 6	P14	298.9716	-3.10	29-17	O22	300.1066	-2.69	25-11	Q13	300.8166	-2.86	25-11	P19
297.8408	-4.16	29-17	R 2	298.2245	-3.46	29-17	R18	298.9944	-3.53	29-17	P18	300.1097	-3.34	25-11	P 7	300.8178	-2.71	31-20	R15
297.8438	-3.80	29-17	R 7	298.2258	-5.51	21- 6	Q23	299.0183	-1.87	27-14	P20	300.1104	-1.69	27-14	P30	300.8112	-5.31	22- 7	Q 9
297.8449	-2.85	27-14	R 0	298.2314	-3.36	29-17	Q12	299.0186	-5.29	21- 6	Q38	300.1430	-2.67	25-11	R26	-300.8029	-5.07	22- 7	R31
297.8560	-4.28	29-17	R 1	298.2322	-6.14	21- 6	P12	299.0244	-5.42	21- 6	R55	300.1431	-2.65	25-11	C14	300.8052	-3.10	31-20	P 8
297.8564	-3.76	29-17	R 8	298.2513	-3.00	24-10	P30	299.0266	-5.78	21- 6	P26	300.1549	-3.27	25-11	P 8	-300.8072	-5.52	21- 6	P46
297.8572	-1.97	27-14	R13	298.2527	-6.14	20- 5	P50	299.0507	-1.43	27-14	Q26	-300.1580	-5.16	21- 6	Q52	300.8102	-6.28	22- 7	P 3
297.8589	-5.90	21- 6	Q 9	298.2539	-5.52	21- 6	R43	299.0632	-6.08	20- 5	P57	300.1848	-2.63	25-11	Q15	300.8166	-2.86	25-11	P19
-297.8664	-2.62	24-10	Q34	298.2579	-1.75	27-14	R23	299.0703	-3.09	29-17	Q23	-300.1885	-5.59	21- 6	P40	300.8178	-2.71	31-20	R15
-297.8669	-5.62	21- 6	R34	298.2659	-5.49	21- 6	Q24	299.0860	-5.28	21- 6	Q39	300.2025	-3.21	25-11	P 9	300.8194	-5.26	22- 7	Q10
297.8695	-5.82	21- 6	Q 11	298.2678	-1.66	27-14	O15	299.0972	-5.76	21- 6	P27	300.2371	-2.60	25-11	Q16	300.8195	-2.58	31-20	Q11
297.8701	-3.72	29-17	R 9	298.2714	-3.85	29-17	P 9	299.0983	-3.50	29-17	P19	300.2374	-1.67	27-14	P31	-300.8298	-5.05	22- 7	R32
297.8706	-3.06	24-10	P26	298.2740	-3.33	29-17	Q13	299.1113	-1.85	27-14	P21	-300.2454	-5.15	21- 6	Q53	300.8389	-5.22	22- 7	Q11
297.8707	-2.67	27-14	Q 1	298.2748	-2.20	27-14	P10	299.1430	-1.41	27-14	Q27	300.2525	-3.16	25-11	P10	300.8432	-6.11	22- 7	P 4
297.8713	-4.46	29-17	R 0	298.2830	-3.44	29-17	R19	299.1560	-5.27	21- 6	Q40	300.2540	-2.57	25-11	Q17	300.8602	-5.19	22- 7	R12
297.8714	-6.88	21- 6	P 3	298.2877	-6.10	21- 6	P13	299.1970	-5.75	21- 6	P28	-300.2836	-5.58	21- 6	P41	300.8633	-2.38	25-11	G27
297.8789	-2.45	27-14	Q 2	298.2930	-5.51	21- 6	R44	299.1766	-3.07	29-17	Q24	300.3055	-3.12	25-11	P11	-300.8688	-5.04	22- 7	R33
297.8811	-5.85	21- 6	Q10	298.3085	-5.47	21- 6	G25	299.1991	-6.07	20- 5	P58	300.3080	-2.55	25-11	Q18	300.8752	-3.04	31-20	P 9
297.8817	-1.95	27-14	R14	298.3146	-6.03	21- 6	P15	299.2071	-3.48	29-17	P20	300.3533	-3.08	25-11	P12	300.8873	-5.98	22- 7	P 5
297.8889	-2.30	27-14	Q 3	298.3178	-1.73	27-14	R24	299.2105	-1.83	27-14	P22	-300.3534	-5.14	21- 6	Q54	300.8838	-5.15	22- 7	Q13
297.8943	-3.68	29-17	R10	298.3214	-1.63	27-14	D16	-299.2281	-5.26	21- 6	Q41	300.3601	-2.53	25-11	Q19	300.8876	-2.54	31-20	Q12
297.8965	-4.28	29-17	Q 1	298.3342	-2.15	27-14	P11	299.2347	-1.39	27-14	Q28	-300.3864	-5.56	21- 6	P42	300.8894	-2.69	31-20	R16
297.9011	-2.20	27-14	Q 4	298.3343	-3.80	29-17	P15	299.2453	-5.73	21- 6	P29	300.4034	-3.24	31-20	R 3	300.8956	-2.84	25-11	P20
-297.9012	-5.61	21- 6	R35	298.3356	-3.30	29-17	Q14	299.2842	-3.05	29-17	Q25	300.4069	-3.34	31-20	R 2	300.9084	-5.12	22- 7	Q14
297.9038	-6.58	21- 6	P 5	298.3482	-1.58	27-14	Q18	299.4806	-5.69	21- 6	P32	300.4817	-3.10	31-20	R 3	-301.0248	-5.51	21- 6	P48
297.9409	-1.89	27-14	R16	298.4460	-5.42	21- 6	G28	299.5220	-1.77	27-14	P22	-300.4897	-5.55	21- 6	P43	301.0272	-5.02		

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
301,4050	-6.85	22	-7	R27	302,5648	-3.47	30	-18	R 4	303,5305	-2.98	26	-12	Q 3	-304,0419	-6.92	22	-7	P47	306,2421	-4.81	32	-21	R 0
301,4160	-2.80	31	-20	P15	302,5685	-3.41	30	-18	R 5	303,5384	-2.52	26	-12	R18	-304,0498	-4.50	23	-8	R33	306,2429	-2.25	29	-16	R 7
301,4176	-2.72	25	-11	P26	302,5759	-3.35	30	-18	R 6	303,5419	-2.87	26	-12	Q 4	-304,0498	-5.27	23	-8	Q15	306,2443	-4.27	32	-21	R 5
301,4184	-2.37	31	-20	Q18	302,5824	-3.65	30	-18	R 2	303,5564	-2.78	26	-12	Q 5	-304,0512	-4.55	23	-8	Q15	306,2467	-2.51	29	-16	R 3
301,4380	-5.38	22	-7	P17	302,5880	-3.30	30	-18	R 7	303,5663	-2.50	26	-12	R19	-304,0519	-2.23	26	-12	O19	306,2519	-2.21	29	-16	R 8
301,4599	-4.83	22	-7	Q28	302,5905	-2.05	28	-15	P13	303,5710	-3.82	26	-12	P 2	-304,0595	-4.53	23	-8	Q16	306,2584	-2.60	29	-16	R 2
301,4646	-4.91	22	-7	R45	302,5917	-1.56	28	-15	Q18	303,5728	-2.71	26	-12	Q 6	-304,0856	-4.74	26	-12	P13	306,2638	-2.16	29	-16	R 9
301,4915	-5.47	21	-6	P52	302,5928	-3.78	30	-18	R 1	303,5926	-2.64	26	-12	Q 7	-304,0889	-4.49	23	-8	R34	306,2638	-4.21	32	-21	R 6
301,4963	-5.36	22	-7	P18	302,6026	-3.25	30	-18	R 8	303,5950	-3.08	30	-18	P16	-304,0895	-4.50	23	-8	Q17	306,2677	-4.64	32	-21	O 1
301,5134	-2.70	25	-11	P27	-302,6080	-5.08	22	-7	P33	-303,6001	-4.96	22	-7	P42	-304,0920	-5.20	23	-8	P 8	306,2718	-2.73	29	-16	R 1
301,5236	-4.90	22	-7	R44	302,6091	-3.95	30	-18	R 0	303,6022	-2.48	26	-12	R20	-304,1069	-2.21	26	-12	Q20	306,2793	-2.13	29	-16	R 10
301,5266	-2.77	31	-20	P16	302,6238	-3.21	30	-18	R 9	303,6032	-3.52	26	-12	P 3	-304,1357	-5.14	23	-8	P 9	306,2822	-4.41	32	-21	O 2
301,5272	-2.35	31	-20	Q19	302,6348	-3.78	30	-18	Q 1	303,6071	-2.64	30	-18	Q20	-304,1376	-4.48	23	-8	R35	306,2882	-4.48	23	-8	P38
301,5347	-4.82	22	-7	Q29	302,6440	-3.55	30	-18	O 2	303,6072	-1.76	28	-15	P24	-304,1476	-2.95	30	-18	P21	306,2390	-4.16	32	-21	R 7
301,5564	-5.33	22	-7	P19	-302,6451	-4.63	22	-7	Q45	303,6114	-2.82	30	-18	R25	-304,1482	-4.48	23	-8	O18	306,2910	-2.90	29	-16	R 0
301,5630	-4.80	22	-7	Q30	302,6493	-3.17	30	-18	R10	303,6155	-2.59	26	-12	Q 8	-304,1497	-2.71	26	-12	P14	306,3304	-2.09	29	-16	R 11
301,6136	-2.69	25	-11	P28	302,6593	-3.41	30	-18	O 3	303,6270	-4.87	23	-8	R13	-304,1558	-4.91	22	-7	P48	306,3314	-4.27	32	-21	Q 3
301,6179	-5.46	21	-6	P53	302,6611	-1.53	28	-15	Q19	303,6273	-4.90	23	-8	R12	-304,1562	-2.54	30	-18	Q25	306,3175	-2.73	29	-16	Q 1
301,6189	-5.31	22	-7	P20	302,6634	-3.30	30	-18	O 4	303,6291	-4.84	23	-8	R14	-304,1698	-2.19	26	-12	Q21	306,3189	-5.11	32	-21	P 2
301,6215	-4.79	22	-7	Q31	302,6672	-2.01	28	-15	P14	303,6294	-4.93	23	-8	R11	-304,1819	-5.09	23	-8	P10	306,3207	-4.11	32	-21	R 8
301,6431	-2.33	31	-20	P20	302,6678	-3.14	30	-18	R11	303,6337	-4.97	23	-8	R10	-304,1866	-4.46	23	-8	Q19	306,3250	-2.51	29	-16	Q 2
301,6433	-2.74	31	-20	P17	302,6680	-4.25	30	-18	P 2	303,6339	-4.82	23	-8	R15	-304,1868	-4.47	23	-8	R36	306,3252	-2.06	29	-16	R 12
301,6681	-4.77	22	-7	Q32	-302,6901	-5.07	22	-7	P34	303,6385	-2.46	26	-12	R21	-304,2165	-2.67	26	-12	P15	306,3272	-4.16	32	-21	Q 4
301,6831	-5.28	22	-7	P21	302,6929	-3.21	30	-18	Q5	303,6388	-3.34	26	-12	P 4	-304,2245	-4.43	23	-8	Q20	306,3381	-2.36	29	-16	U 3
301,7325	-5.45	21	-6	P54	302,7151	-3.11	30	-18	R12	303,6400	-5.00	23	-8	R 9	-304,2296	-5.05	23	-8	P11	306,3530	-2.25	29	-16	U 4
301,7490	-5.26	22	-7	P22	302,7210	-3.95	30	-18	P 3	303,6405	-2.54	26	-12	Q 9	-304,2331	-2.17	26	-12	Q22	306,3539	-2.03	29	-16	H13
301,7510	-4.76	22	-7	Q33	302,7222	-3.14	30	-18	O 6	303,6418	-4.79	23	-8	R16	-304,2392	-4.46	23	-8	R37	306,3590	-4.81	32	-21	P 3
301,7652	-2.71	31	-20	P18	302,7345	-1.51	28	-15	Q20	303,6477	-4.75	23	-8	R18	-304,2675	-4.41	23	-8	G21	306,3594	-4.07	32	-21	Q 5
301,8055	-4.75	22	-7	Q34	-302,7403	-4.62	22	-7	O 6	303,6488	-5.05	23	-8	R 8	-304,2734	-2.93	30	-18	P22	306,3306	-4.07	32	-21	R 9
301,8171	-5.24	22	-7	P23	302,7448	-1.98	28	-15	P15	303,6583	-5.09	23	-8	R 7	-304,2794	-5.00	23	-8	P12	306,3170	-3.21	29	-16	P 2
301,8680	-5.44	21	-6	P55	302,7548	-3.08	30	-18	R13	303,6635	-4.77	23	-8	R17	-304,2795	-2.53	30	-18	Q26	306,3723	-2.16	29	-16	Q 5
301,8744	-4.73	22	-7	Q35	302,7552	-3.08	30	-18	P 7	303,6643	-4.72	23	-8	R19	-304,2862	-2.64	26	-12	P16	306,3660	-2.00	29	-16	R14
301,8871	-5.22	22	-7	P24	302,7618	-3.78	30	-18	P 4	303,6687	-2.50	26	-12	Q10	-304,2996	-2.15	26	-12	Q23	306,3363	-2.09	29	-16	U 6
301,8892	-2.22	28	-15	R 6	-302,7844	-5.05	22	-7	P35	303,6708	-5.14	23	-8	R 6	-304,3125	-4.39	23	-8	Q22	306,3364	-4.47	23	-8	P39
301,8943	-2.17	28	-15	R 7	302,7916	-3.65	30	-18	P 5	303,6772	-3.22	26	-12	P 5	-304,3313	-4.97	23	-8	P13	306,3379	-4.00	32	-21	L 6
301,9018	-2.12	28	-15	R 8	302,7993	-3.05	30	-18	R14	303,6781	-2.44	26	-12	R22	-304,3584	-2.62	26	-12	P17	306,4038	-4.64	32	-21	P 4
301,9025	-2.45	28	-15	R 4	302,8121	-1.49	28	-15	P21	303,6794	-4.70	23	-8	R20	-304,3614	-4.37	23	-8	Q23	306,4048	-2.90	29	-16	P 3
301,9036	-2.28	28	-15	R 5	-302,8207	-4.61	22	-7	O47	303,6910	-4.95	22	-7	P44	-304,3795	-4.36	23	-8	Q24	306,4227	-1.97	29	-16	K15
301,9076	-2.43	28	-15	R 3	302,8258	-1.95	28	-15	P16	303,6960	-3.05	30	-18	P17	-304,3853	-4.93	23	-8	P14	306,4239	-2.03	29	-16	Q 7
301,9127	-2.08	28	-15	R 9	302,8332	-2.97	30	-18	O 9	303,6964	-4.68	23	-8	R21	-304,4041	-2.91	30	-18	P23	306,4430	-3.94	32	-21	K 7
301,9128	-2.65	28	-15	R12	302,8410	-1.92	28	-15	R12	303,6997	-2.46	26	-12	Q11	-304,4106	-2.51	30	-18	Q27	306,4445	-2.73	29	-16	P 4
301,9338	-2.65	28	-15	R13	302,8905	-3.41	30	-18	P 8	303,7218	-1.74	28	-15	P25	-304,5361	-2.89	30	-18	P24	306,4555	-1.97	29	-16	W 8
301,9363	-2.01	28	-15	R11	-302,8840	-5.04	22	-7	P36	303,7374	-2.42	26	-12	Q12	-304,4430	-2.11	26	-12	Q25	306,4586	-4.00	32	-21	K 11
301,9387	-4.72	22	-7	Q36	302,8925	-1.47	28	-15	Q22	303,7318	-2.81	30	-18	R26	-304,4503	-4.34	23	-8	Q25	306,4633	-1.95	29	-16	H16
301,9575	-5.44	21	-6	P56	302,9620	-2.97	30	-18	R17	303,7392	-5.44	23	-8	R 2	-304,4993	-4.87	23	-8	Q27	306,5295	-1.88	29	-16	Q10
301,9988	-2.28	28	-15	Q 3	302,9977	-1.45	28	-15	Q23	303,7502	-4.63	23	-8	R24	-304,5768	-2.08	26	-12	Q27	306,5319	-2.51	29	-16	P 6
302,0122	-2.17	28	-15	Q 4	302,9982	-2.85	30	-18	O12	303,7582	-2.41	26	-12	R24	-304,5878	-4.29	23	-8	Q28	306,5511	-3.84	32	-21	L 9
302,0144	-1.92	28	-15	R14	303,0235	-2.95	30	-18	R18	303,7623	-3.04	26	-12	P 7	-304,6242	-4.82	23	-8	P18	306,5716	-1.84	29	-16	R18
302,0287	-2.66	31	-20	P20	303,0239	-3.35	30	-18	P 9	303,7703	-2.39	26	-12	Q13	-304,6631	-4.28	23	-8	Q29	306,5772	-4.34	32	-21	P 7
302,0299	-3.12																							

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ			
306,9860	-4.95	24-	9	R 2	307,4997	-3.52	32-21	Q 19	308,4126	-4.17	24-	9	P 25	310,9320	-2.34	30-17	Q 11	311,6918	-2.34	30-17	P 14	
306,9864	-1.64	29-	16	Q 18	307,5032	-1.51	29-	16	G 24	308,4171	-1.85	27-	13	Q 26	310,9378	-2.76	30-17	Q 2	311,7009	-3.76	25-10	P 23
306,9963	-4.07	32-21	P 12	307,5066	-2.97	27-	13	P 5	308,4225	-4.92	33-23	R 16	310,9450	-3.49	25-10	Q 20	311,7015	-1.97	28-14	R 23		
307,0005	-5.17	24-	9	R 22	307,5074	-2.25	27-	13	Q 10	308,4710	-2.29	27-	13	P 20	310,9476	-2.61	30-17	Q 3	311,7042	-3.29	25-10	Q 32
307,0075	-5.08	24-	9	R 1	307,5077	-3.94	24-	9	Q 20	308,4857	-5.06	33-23	P 13	310,9607	-2.31	30-17	R 12	311,7154	-1.91	28-14	Q 14	
307,0119	-3.81	32-21	R 18	307,5108	-2.21	27-	13	R 21	308,4955	-4.16	24-	9	P 26	310,9643	-4.06	25-10	P 12	311,7366	-2.47	28-14	P 9	
307,0242	-4.16	24-	9	R 23	307,5189	-5.27	33-23	R 6	308,5051	-1.83	27-	13	Q 27	310,9661	-2.50	30-17	Q 4	311,7416	-2.03	30-17	R 25	
307,0312	-5.25	24-	9	R 0	307,5394	-4.51	24-	9	P 12	308,5469	-4.68	33-23	Q 15	310,9819	-3.46	30-17	P 2	311,7419	-1.87	30-17	Q 19	
307,0395	-3.62	32-21	Q 15	307,5411	-2.21	27-	13	Q 11	308,5607	-2.27	27-	13	P 21	310,9873	-2.42	30-17	Q 5	311,7587	-1.96	28-14	R 24	
307,0435	-2.09	29-	16	P 14	307,5413	-5.87	33-23	P 3	308,5802	-6.14	24-	9	P 27	310,9947	-2.28	30-17	R 13	311,7651	-1.88	28-14	Q 15	
307,0505	-4.14	24-	9	R 24	307,5425	-5.22	33-23	Q 4	308,5803	-4.89	33-23	R 17	310,9973	-3.47	25-10	Q 21	311,7800	-2.31	30-17	P 15		
307,0596	-5.08	24-	9	G 1	307,5495	-2.87	27-	13	P 6	308,6317	-5.06	33-23	P 14	311,0139	-2.34	30-17	Q 6	311,7892	-3.28	25-10	Q 33	
307,0609	-1.61	29-	16	Q 19	307,5531	-3.92	24-	9	P 21	308,6353	-4.25	27-	13	P 22	311,0190	-3.16	30-17	P 3	311,7912	-3.74	25-10	P 24
307,0642	-4.85	24-	9	Q 2	307,5572	-2.19	27-	13	R 22	308,6680	-6.12	24-	9	P 28	311,0212	-4.03	25-10	P 13	311,7948	-2.42	28-14	P 10
307,0710	-4.71	24-	9	Q 3	307,5605	-5.13	33-23	Q 5	308,6952	-4.65	33-23	O 16	311,0294	-2.25	30-17	R 14	311,8183	-1.85	28-14	G 16		
307,0787	-4.12	24-	9	R 25	307,5666	-5.22	33-23	R 7	308,7455	-2.23	27-	13	P 23	311,0425	-2.28	30-17	Q 7	311,8195	-1.94	28-14	R 25	
307,0791	-4.60	24-	9	Q 4	307,5774	-2.17	27-	13	G 12	308,7585	-4.11	24-	9	P 29	311,0516	-3.45	25-10	Q 22	311,8264	-1.85	30-17	Q 20
307,0901	-4.51	24-	9	G 5	307,5807	-3.91	32-21	P 17	308,7878	-5.02	33-23	P 15	311,0558	-2.98	30-17	P 4	311,8560	-2.37	28-14	P 11		
307,0997	-5.03	32-21	P 13	307,5934	-4.47	24-	9	P 13	308,8469	-2.21	27-	13	P 24	311,0725	-2.23	30-17	R 15	311,8690	-2.28	30-17	P 16	
307,1025	-4.44	24-	9	O 6	307,5942	-1.93	29-	16	P 20	308,8472	-6.04	24-	9	P 30	311,0777	-2.23	30-17	O 8	311,8749	-1.83	28-14	Q 17
307,1099	-4.11	24-	9	R 26	307,5951	-2.79	27-	13	P 7	308,8575	-4.63	33-23	Q 17	311,0810	-3.99	25-10	P 14	311,8780	-3.73	25-10	P 25	
307,1163	-5.55	24-	9	P 2	307,5987	-5.69	33-23	P 4	308,9436	-4.08	24-	9	P 31	311,1008	-3.43	25-10	Q 23	311,8803	-3.27	25-10	Q 34	
307,1177	-4.38	24-	9	Q 7	307,6009	-3.90	24-	9	Q 22	308,9505	-2.19	27-	13	P 25	311,1014	-2.86	30-17	P 5	311,8834	-1.92	28-14	R 26
307,1193	-3.79	32-21	R 19	307,6058	-2.17	27-	13	R 23	308,9568	-4.99	33-23	P 16	311,1157	-2.18	30-17	Q 9	311,9178	-1.82	30-17	Q 21		
307,1254	-2.06	29-	16	P 15	307,6175	-2.14	27-	13	G 13	309,0413	-4.60	33-23	G 18	311,1182	-2.20	30-17	R 16	311,9195	-2.33	28-14	P 12	
307,1348	-4.32	24-	9	O 8	307,6208	-5.17	33-23	R 8	309,0443	-4.06	24-	9	P 32	311,1439	-3.96	25-10	P 15	311,9340	-1.80	28-14	Q 18	
307,1407	-1.59	29-	16	Q 20	307,6325	-5.06	33-23	O 6	309,0581	-2.17	27-	13	P 26	311,1497	-2.76	30-17	P 6	311,9462	-1.91	28-14	R 27	
307,1437	-3.60	32-21	Q 16	307,6330	-5.30	32-21	O 20	309,1311	-4.97	33-23	P 17	311,1547	-2.14	30-17	R 10	311,9664	-2.25	30-17	P 17			
307,1439	-4.09	24-	9	R 27	307,6444	-2.73	27-	13	P 8	309,1432	-4.05	24-	9	P 33	311,1617	-3.42	25-10	P 24	311,9678	-3.71	25-10	P 26
307,1493	-5.25	24-	9	P 3	307,6495	-4.44	24-	9	P 14	309,1597	-2.15	27-	13	P 27	311,1705	-2.18	30-17	R 17	311,9683	-2.29	28-14	P 13
307,1541	-4.28	24-	9	Q 9	307,6509	-3.88	32-21	Q 9	309,2467	-4.04	24-	9	P 34	311,2034	-2.68	30-17	P 7	311,9972	-1.78	28-14	Q 19	
307,1749	-4.23	24-	9	O 10	307,6584	-2.16	27-	13	R 24	309,2753	-2.14	27-	13	P 28	311,2047	-2.10	30-17	Q 11	312,0137	-1.80	30-17	Q 22
307,1761	-4.08	24-	9	R 28	307,6593	-2.11	27-	13	O 14	309,3194	-4.94	33-23	P 18	311,2142	-3.93	25-10	P 16	312,0171	-1.89	28-14	R 28	
307,1845	-5.08	24-	9	P 4	307,6699	-5.57	33-23	P 5	309,5292	-4.92	33-23	P 19	311,2217	-3.40	25-10	Q 25	312,0589	-2.26	28-14	P 11		
307,1989	-4.19	24-	9	Q 11	307,6873	-5.13	33-23	R 9	310,3050	-3.99	25-10	R 11	311,2278	-2.16	30-17	R 18	312,0593	-3.69	25-10	P 27		
307,2097	-4.00	32-21	P 14	307,6960	-2.67	27-	13	P 9	310,3053	-4.03	25-10	R 10	311,2572	-3.90	25-10	P 17	312,0664	-1.23	30-17	P 18		
307,2108	-2.03	29-	16	P 16	307,6973	-4.99	33-23	Q 7	310,3075	-3.96	25-10	R 12	311,2591	-2.61	30-17	P 8	312,0892	-1.88	28-14	R 29		
307,2159	-4.06	24-	9	R 29	307,7008	-1.90	29-	16	P 21	310,3083	-4.06	25-10	R 9	311,2640	-2.42	28-14	R 6	312,1135	-1.79	30-17	Q 23	
307,2209	-5.95	24-	9	P 5	307,7028	-3.86	26-	24	Q 24	310,3119	-3.88	25-10	R 15	311,2654	-2.47	30-17	P 23	312,1331	-2.23	28-14	P 15	
307,2243	-1.57	29-	16	O 21	307,7050	-2.14	27-	13	R 25	310,3131	-3.93	25-10	R 13	311,2664	-2.37	28-14	R 8	312,1331	-2.23	28-14	P 15	
307,2245	-4.16	24-	9	Q 12	307,7062	-2.08	27-	13	Q 15	310,3132	-4.11	25-10	R 8	311,2667	-2.06	30-17	Q 12	312,1366	-1.74	28-14	Q 21	
307,2298	-2.62	27-	13	R 7	307,7081	-4.61	24-	9	P 15	310,3209	-4.15	25-10	R 7	311,2709	-2.53	28-14	R 5	312,1549	-3.67	25-10	P 28	
307,2305	-2.57	27-	13	R 8	307,7134	-5.47	33-23	P 6	310,3261	-3.90	25-10	R 14	311,2719	-2.33	28-14	R 9	312,1731	-2.20	30-17	P 19		
307,2330	-2.67	27-	13	R 6	307,7183	-3.88	32-21	P 18	310,3307	-4.20	25-10	R 6	311,2791	-2.59	28-14	P 4	312,2108	-2.42	28-14	P 16		
307,2386	-2.73	27-	13	R 5	307,7554	-2.05	27-	13	Q 16	310,3434	-4.26	25-10	R 5	311,2845	-3.88	25-10	Q 26	312,2211	-1.77	30-17	Q 24	
307,2398	-2.49	27-	13	R 10	307,7573	-3.85	24-	9	Q 25	310,3471	-3.83	25-10	R 17	311,2851	-2.14	30-17	R 19	312,2624	-3.66	25-10	P 29	
307,2478	-2.79	27-	13	R 4	307,7622	-5.09	33-23	R 10	310,3583	-4.33	25-10	R 4	311,2905	-2.67	28-14	R 14	312,2848	-2.18	30-17	P 20		
307,2482	-4.46	27-	13	R 11	307,7656	-2.12	27-	13	R 26	310,3657	-3.80	25-10	R 18	311,2929	-2.26	28-14	R 11	312,2859	-1.70	28-14	Q 23	
307,2522	-4.12	24-	9	O 13	307,7687	-4.38	24-	9	P 16	310,3755	-4.41	25-10	R 3	311,3063	-2.77	28-14	R 2	312,2919	-2.17	28-14	P 17	
307,2553	-3.57	32-21	Q 17	307,7705	-4.94	33-23	Q 8	310,3925	-3.78	25-10	R 19	311,3078	-2.23	28-14	R 12	312,3297	-1.75	30-17	Q 25			
307,2598	-2.87	27-	13	R 3	307,8077	-2.03	27-	13	Q 17	310,3954	-4.50	25-10	R 2	311,3087	-2.03	30-17	Q 13	312,3466	-3.64	25-10	P 30	
307,2600	-4.05	24-	9	R 30	307,8093	-2.57	27															

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ				
312,7248	-7.29	22-	6	Q 3	313,5406	-2.67	32-20	P 7	314,4589	-1.84	32-20	Q20	-315,6769	-5.95	23-	7	R33	316,1231	-5.84	23-	7	Q22	
312,7276	-6.96	22-	6	Q 2	-313,5429	-6.31	22-	6	Q33	314,4610	-3.13	26-11	O18	315,6804	-7.19	23-	7	R0	316,1253	-2.23	29-15	P11	
312,7310	-7.18	22-	6	Q 4	313,5495	-2.13	32-20	P10	314,4787	-2.24	32-20	P17	315,6849	-1.98	29-15	R16	316,1322	-3.35	31-18	P17			
312,7417	-7.10	22-	6	Q 5	-313,5548	-6.38	22-	6	R55	314,4848	-6.63	22-	6	P33	315,6957	-2.12	29-15	O6	316,1324	-6.49	23-	7	P11
312,7499	-2.05	28-14	P22	313,5795	-6.86	22-	6	P20	314,4946	-3.70	26-11	P11	315,7107	-7.01	23-	7	Q 1	316,1511	-2.76	31-18	G11		
312,7505	-7.02	22-	6	Q 6	313,5929	-2.22	32-20	R15	314,5116	-3.11	26-11	Q19	315,7110	-3.28	26-11	P27	316,1543	-2.84	31-18	H17			
-312,7509	-6.52	22-	6	R39	-313,5958	-6.30	22-	6	Q34	-314,5184	-6.15	22-	6	Q48	315,7119	-2.93	29-15	P 3	316,1615	-5.82	23-	7	Q23
312,7644	-6.91	22-	6	Q 8	313,6079	-2.60	32-20	P 8	314,5428	-3.64	26-11	P12	-315,7138	-5.93	23-	7	R34	316,1644	-1.63	29-15	Q17		
312,7657	-2.10	30-17	P24	313,6133	-2.09	32-20	Q11	314,5637	-3.03	26-11	Q20	315,7145	-6.79	23-	7	Q 2	-316,1673	-5.82	23-	7	R45		
-312,7718	-3.59	25-10	P34	313,6407	-6.84	22-	6	P21	-314,5662	-6.62	22-	6	P34	315,7191	-6.65	23-	7	Q 3	316,1804	-6.45	23-	7	P7
312,7774	-8.14	22-	6	P 2	-313,6510	-6.29	22-	6	O35	314,6050	-2.22	32-20	P18	315,7213	-2.05	29-15	O7	316,1934	-3.28	31-18	P8		
312,7830	-6.86	22-	6	Q 9	313,6605	-1.91	28-14	P30	-314,6091	-6.14	22-	6	Q49	315,7226	-1.95	29-15	R17	316,1977	-2.19	29-15	P12		
312,7883	-6.78	22-	6	O11	313,6653	-2.19	32-20	R16	314,6091	-3.62	26-11	P13	-315,7254	-5.92	23-	7	R35	316,2012	-5.80	23-	7	Q24	
-312,7903	-6.51	22-	6	R40	313,6809	-2.55	32-20	P 9	314,6171	-3.07	26-11	Q21	315,7258	-6.54	23-	7	Q 4	316,2068	-2.73	31-18	O12		
312,8054	-6.81	22-	6	O10	313,6831	-2.05	32-20	Q12	-314,6479	-6.61	22-	6	P35	315,7346	-6.45	23-	7	O5	-316,2103	-6.44	22-	6	P51
312,8108	-7.84	22-	6	P 3	313,7030	-6.81	22-	6	P22	314,6737	-3.56	26-11	P14	315,7439	-6.38	23-	7	O 6	316,2150	-2.82	31-18	R18	
312,8168	-6.67	22-	6	O14	-313,7061	-6.27	22-	6	Q36	314,6741	-3.05	26-11	Q22	315,7530	-2.75	29-15	P 4	-316,2161	-5.81	23-	7	R46	
312,8229	-1.60	28-14	O29	313,7454	-2.17	32-20	R17	-314,6843	-6.13	22-	6	O50	315,7551	-6.31	23-	7	Q 7	316,2300	-6.41	23-	7	P13	
312,8299	-6.50	22-	6	R41	313,7586	-2.02	32-20	Q13	-314,7324	-6.59	22-	6	P36	315,7569	-2.00	29-15	O8	316,2303	-1.66	29-15	Q18		
312,8345	-6.74	22-	6	O12	313,7600	-2.49	32-20	P10	314,7340	-3.03	26-11	O23	315,7636	-1.93	29-15	R18	316,2436	-5.78	23-	7	Q25		
312,8452	-7.66	22-	6	P 4	-313,7634	-6.26	22-	6	O37	314,7380	-3.55	26-11	P15	315,7655	-1.95	29-15	O9	316,2569	-2.15	29-15	P13		
312,8548	-2.03	28-14	P23	313,7661	-6.79	22-	6	P23	314,7391	-2.19	32-20	P19	315,7680	-6.26	23-	7	Q 8	316,2593	-3.22	31-18	P 9		
312,8861	-6.65	22-	6	O15	313,7885	-1.89	28-14	P31	-314,7667	-6.12	22-	6	O51	315,7688	-3.42	31-18	R 3	316,2699	-6.61	31-18	G13		
312,8893	-6.62	22-	6	O16	-313,8023	-2.55	22-	6	Q36	314,7953	-3.01	26-11	Q24	-315,7689	-5.91	23-	7	R36	316,2818	-6.30	31-18	T 14	
-312,8899	-6.55	22-	6	R42	313,8301	-2.15	32-20	R18	314,8077	-3.52	26-11	P16	315,7714	-7.49	23-	7	P 2	316,2852	-2.80	31-18	R19		
312,8871	-6.71	22-	6	Q13	313,8316	-6.78	22-	6	P24	-314,8177	-6.58	22-	6	P37	315,7715	-3.35	31-18	R 4	316,2864	-5.77	23-	7	W26
-312,8881	-3.57	25-10	P35	313,8402	-1.99	32-20	Q14	-314,8576	-6.12	22-	6	Q52	315,7737	-3.28	31-18	R 5	316,2995	-1.64	29-15	G19			
312,8885	-7.54	22-	6	P 5	313,8446	-2.45	32-20	P11	314,8607	-2.99	26-11	Q25	315,7797	-3.22	31-18	R 6	316,3253	-6.43	22-	6	P52		
312,9007	-2.08	30-17	P25	313,8765	-3.62	26-11	R10	314,8780	-2.17	32-20	P20	-315,7815	-6.47	22-	6	P47	316,3277	-3.17	31-18	P10			
-312,9109	-6.68	22-	6	R43	313,8841	-6.24	22-	6	O39	314,8885	-3.50	26-11	P17	315,7820	-6.21	23-	7	O 9	316,3311	-5.75	23-	7	Q27
312,9149	-6.59	22-	6	Q17	313,8849	-3.59	26-11	R11	-314,9053	-6.57	22-	6	P38	315,7905	-3.17	31-18	R 7	316,3344	-6.34	23-	7	P15	
312,9224	-7.44	22-	6	P 6	313,8862	-3.66	26-11	R 9	314,9273	-2.98	26-11	Q26	315,7931	-3.52	31-18	R 2	316,3358	-2.12	29-15	P14			
312,9228	-1.59	28-14	Q30	313,8897	-3.70	26-11	R 8	314,9302	-3.47	26-11	P18	315,7945	-2.63	29-15	P 5	316,3362	-2.66	31-18	G14				
312,9474	-6.57	22-	6	Q18	313,8915	-3.55	26-11	R12	-314,9354	-6.11	22-	6	O53	315,7986	-6.17	23-	7	Q10	316,3388	-2.78	31-18	R20	
312,9552	-2.01	28-14	P24	313,8963	-3.75	26-11	R 7	-314,9955	-6.56	22-	6	P39	315,8036	-3.12	31-18	R 8	316,3727	-1.62	29-15	G20			
-312,9553	-6.47	22-	6	R44	313,8977	-6.76	22-	6	P25	314,9983	-2.96	26-11	Q27	315,8051	-3.65	31-18	R 1	316,3819	-5.74	23-	7	Q28	
312,9612	-7.36	22-	6	P 7	313,8979	-3.52	26-11	R13	315,0122	-3.44	26-11	P19	315,8055	-7.19	23-	7	P 3	316,3895	-6.31	23-	7	P16	
312,9684	-7.29	22-	6	P 8	313,9051	-3.80	26-11	R 6	315,0122	-4.05	26-11	P21	315,8070	-1.91	29-15	Q10	316,4029	-3.12	31-18	P11			
312,9774	-6.55	22-	6	Q19	313,9096	-3.56	26-11	R11	-315,0354	-6.10	22-	6	Q54	315,8086	-1.91	29-15	R19	316,4074	-2.63	31-18	C15		
-313,0022	-6.67	22-	6	R45	313,9162	-3.85	26-11	R 5	-315,0847	-6.55	22-	6	P40	-315,8106	-5.90	23-	7	R37	316,4153	-2.08	29-15	P15	
313,0086	-6.52	22-	6	O20	313,9164	-3.44	26-11	R16	315,0918	-3.42	26-11	P20	315,8111	-3.27	26-11	P28	316,4376	-2.76	31-18	R21			
313,0354	-7.23	22-	6	P 9	313,9222	-2.13	32-20	R19	-315,1288	-6.09	22-	6	O55	-315,8122	-5.89	23-	7	R38	316,4458	-6.42	22-	6	P53
313,0367	-2.06	30-17	P26	313,9280	-1.98	32-20	Q15	-315,1730	-3.40	26-11	P21	315,8163	-6.13	23-	7	Q11	316,4462	-6.29	23-	7	P17		
313,0408	-6.50	22-	6	Q21	313,9296	-3.92	26-11	R 4	-315,1752	-6.54	22-	6	P41	315,8232	-3.82	31-18	R 9	316,4501	-1.60	29-15	Q21		
-313,0439	-6.46	22-	6	R46	313,9324	-3.47	26-11	R15	-315,2150	-6.08	22-	6	O56	315,8236	-3.08	31-18	R 9	316,4542	-5.72	23-	7	Q29	
313,0456	-1.99	28-14	P25	313,9352	-2.41	32-20	P12	315,2555	-3.38	26-11	P22	315,8356	-6.09	23-	7	Q12	316,4748	-5.71	23-	7	Q30		
313,0739	-6.48	22-	6	Q22	313,9404	-3.42	26-11	R17	-315,2739	-6.52	22-	6	P42	315,8405	-7.01	23-	7	P 4	316,4824	-3.08	31-18	P12	
313,0834	-7.18	22-	6	P10	313,9461	-4.00	26-11	R 3	-315,3416	-3.36	26-11	P23	315,8440	-2.53	26-11	P23	316,4837	-2.53	26-11	R23			
313,1255	-2.45	32-20	R 4	314,0218	-3.75	26-11	R 6	315,4632	-6.41	23-	7	R10	315,8878	-3.17	31-18	P 2	316,5650	-2.03	29-15	P17			
313,1401	-7.10	22-	6	P12	314,0320	-2.37	32-20	P13	315,4583	-6.13	23-	7	R17	315,8879	-6.03	23-	7	Q14	316,5850	-5.68	23-	7	Q32
313,1489	-2.67	32-20	R 4	-314,0349	-6.72	22-	6	P27	315,4643	-6.19	23-	7	R18	315,8578	-1.89	29-15	R20	316,5903	-1.58	29-15	Q22		
313,1620	-7.02	22-	6	P14	314,0381	-3.34	26-11	R21	-315,4667	-6.11	23-	7	R15	-315,8820	-6.47	23-	7	P48	316,6147	-1.56	29-15	Q23	
313,1683	-2.85	32-20																					

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
318.2943	-1.87	29-15	P24		318.6614	-5.24	8	R11		319.4999	-2.72	33-21	R11		320.4240	-2.59	33-21	P15		321.7505	-3.17	28-13	Q 3	
-317.3017	-5.55	23-	7	Q43	318.6654	-5.55	24-	8	R20	319.5058	-5.17	24-	8	Q26	-320.4242	-5.46	24-	8	P28	321.7625	-3.06	28-13	Q 4	
-317.3362	-6.03	23-	7	P30	318.6681	-5.62	24-	8	R17	319.5144	-5.23	33-21	P 5		320.4491	-2.32	30-16	P 8		321.7626	-2.64	34-23	P15	
-317.3832	-5.54	23-	7	Q44	318.6500	-5.82	24-	8	R10	319.5162	-5.75	24-	8	P15	320.4499	-2.84	34-23	Q 4		321.7703	-2.69	28-13	R19	
317.3946	-2.42	31-18	Q25		318.6533	-5.50	24-	8	R23	319.5488	-2.60	33-21	Q 8		320.4501	-3.49	34-23	P 3		321.7721	-1.82	30-16	P23	
317.4108	-1.85	29-15	P25		318.6567	-5.53	24-	8	R21	319.5543	-2.92	27-12	P27		320.4574	-2.26	33-21	Q18		321.7776	-2.97	28-13	Q 5	
-317.4179	-6.01	23-	7	P31	318.6605	-5.85	24-	8	R9	319.5593	-2.69	33-21	R12		-320.4643	-5.45	24-	8	P29	321.7947	-4.01	28-13	P 2	
317.4183	-2.82	31-18	P21		318.6621	-3.13	27-12	P17		319.5663	-5.16	24-	8	Q27	320.4665	-1.73	30-16	O13		321.7954	-2.90	28-13	Q 6	
-317.4660	-5.53	23-	7	Q45	318.6721	-5.52	24-	8	R22	319.5746	-5.72	24-	8	P16	320.4677	-2.75	34-23	Q 5		321.8045	-2.67	28-13	R20	
-317.5020	-6.00	23-	7	P32	318.6730	-5.90	24-	8	R8	319.5751	-5.13	33-21	P 6		320.4698	-2.84	34-23	R 7		321.8168	-2.84	28-13	Q 7	
317.5198	-2.40	31-18	Q26		318.6867	-5.94	24-	8	R7	319.5758	-5.14	24-	8	O28	320.4795	-1.80	30-16	R21		321.8264	-2.25	34-23	C17	
317.5209	-1.83	29-15	P26		318.6919	-5.68	24-	8	R24	319.6079	-2.55	33-21	Q 9		320.5095	-2.26	30-16	P 9		321.8297	-3.71	28-13	P 3	
317.5475	-2.80	31-18	P22		318.6939	-2.63	27-12	Q25		319.6255	-2.66	33-21	R13		320.5110	-3.31	34-23	P 4		321.8376	-2.65	28-13	R21	
-317.5545	-5.52	23-	7	Q46	318.7029	-5.99	24-	8	R6	319.6357	-5.69	24-	8	P17	320.5218	-1.70	30-16	O14		321.8404	-2.78	28-13	Q 8	
-317.5921	-5.99	23-	7	P33	318.7144	-5.46	24-	8	R25	319.6424	-3.05	33-21	P 7		320.5257	-2.79	34-23	R 8		321.8679	-2.73	28-13	Q 9	
-317.6262	-5.51	23-	7	Q47	318.7205	-6.05	24-	8	R5	319.6484	-5.13	24-	8	O29	320.5430	-1.78	30-16	R22		321.8893	-3.53	28-13	P 4	
317.6478	-3.29	27-12	R 9		318.7253	-5.43	24-	8	R27	319.6546	-2.90	27-12	P28		320.5438	-2.68	34-23	Q 6		321.8805	-2.63	28-13	R22	
317.6486	-3.26	27-12	R10		318.7390	-3.10	27-12	P18		319.6756	-2.51	33-21	O10		320.5533	-2.66	33-21	P16		321.8933	-1.80	30-16	P24	
317.6498	-3.33	27-12	R 8		318.7400	-6.12	24-	8	R4	319.6995	-2.63	33-21	R14		-320.5657	-5.43	24-	8	P30	321.8975	-2.69	28-13	O10	
317.6521	-3.22	27-12	R11		318.7455	-5.45	24-	8	R26	319.6998	-5.67	24-	8	P18	320.5739	-2.21	30-16	P10		321.9110	-3.11	28-13	P 5	
317.6533	-2.38	31-18	O27		318.7459	-5.85	23-	7	P45	319.7165	-2.99	33-21	P 8		320.5805	-1.67	30-16	O15		321.9254	-2.61	28-13	R23	
317.6546	-3.30	27-12	R 7		318.7617	-6.20	24-	8	P3	319.7276	-5.11	24-	8	O30	320.5865	-3.19	34-23	P 5		321.9305	-2.65	28-13	Q11	
317.6587	-3.19	27-12	R12		318.7657	-5.47	24-	8	R28	319.7497	-2.47	33-21	Q11		320.5873	-2.24	33-21	O19		321.9404	-2.61	34-23	P16	
317.6617	-3.43	27-12	R 6		318.7733	-2.61	27-12	O26		319.7687	-5.10	24-	8	O31	320.5947	-2.75	34-23	R 9		321.9559	-3.31	28-13	P 6	
317.6681	-3.16	27-12	R13		318.7846	-6.29	24-	8	R2	319.7704	-2.89	27-12	P29		320.6116	-2.61	34-23	Q 7		321.9640	-5.14	25-	9 R14	
-317.6705	-5.97	23-	7	P34	318.8086	-5.40	24-	8	R29	319.7887	-5.64	24-	8	P19	320.6124	-1.70	30-16	R23		321.9648	-5.17	25-	9 R13	
317.6717	-3.49	27-12	R 5		318.8099	-6.42	24-	8	R1	319.7793	-2.60	33-21	R15		320.6316	-3.09	34-23	P 6		321.9650	-5.12	25-	9 R15	
317.6801	-3.13	27-12	R14		318.8170	-3.08	27-12	P19		319.7963	-2.93	33-21	P 9		320.6410	-2.16	30-16	P11		321.9658	-2.61	28-13	Q12	
317.6819	-2.78	31-18	P23		318.8237	-2.59	27-12	O27		319.8157	-5.62	24-	8	P20	320.6439	-1.64	30-16	Q16		321.9674	-5.20	25-	9 R12	
317.6851	-3.56	27-12	R 4		318.8251	-5.39	24-	8	R30	319.8299	-2.43	33-21	Q12		320.6695	-5.42	24-	8	P31	321.9681	-5.09	25-	9 R16	
317.6947	-3.10	27-12	R15		318.8372	-6.59	24-	8	R0	319.8299	-5.08	24-	8	O32	320.6724	-2.71	34-23	R10		321.9723	-5.23	25-	9 R11	
317.7003	-3.64	27-12	R 3		318.8354	-5.36	24-	8	R31	319.8669	-2.58	33-21	R16		320.6883	-2.56	34-23	Q 8		321.9737	-5.07	25-	9 R17	
317.7129	-3.08	27-12	R16		318.8580	-5.84	23-	7	P46	319.8830	-2.88	33-21	P10		320.6886	-2.63	33-21	P17		321.9744	-2.60	28-13	K24	
317.7185	-3.73	27-12	R 2		318.8878	-6.42	24-	8	R1	319.8862	-2.87	27-12	P30		320.7113	-1.62	30-16	Q17		321.9792	-5.27	25-	9 R10	
317.7323	-3.06	27-12	R17		318.8870	-6.20	24-	8	Q2	319.8883	-5.59	24-	8	P21	320.7118	-2.12	30-16	P12		321.9809	-5.05	25-	9 R18	
317.7396	-3.86	27-12	R 1		318.8873	-6.05	24-	8	Q3	319.8962	-5.07	24-	8	Q33	320.7251	-2.22	33-21	Q20		321.9876	-5.31	25-	9 R 9	
317.7570	-3.03	27-12	R18		318.8880	-5.94	24-	8	Q4	319.9167	-2.40	33-21	Q13		320.7350	-3.01	34-23	P 7		321.9905	-5.02	25-	9 R19	
-317.7621	-5.96	23-	7	P35	318.8883	-5.36	24-	8	R32	319.9493	-5.06	24-	8	Q34	-320.7467	-5.40	24-	8	P32	321.9991	-5.35	25-	9 R 8	
317.7639	-4.03	27-12	R 0		318.8928	-5.85	24-	8	O 5	319.9587	-5.57	24-	8	P22	320.7607	-2.68	34-23	R11		322.0022	-5.00	25-	9 R20	
317.7809	-3.01	27-12	R19		318.9003	-3.04	27-12	P20		319.9617	-2.55	33-21	R17		320.7715	-2.51	34-23	Q 9		322.0033	-3.23	28-13	P 7	
317.7932	-3.86	27-12	Q 1		318.9038	-5.78	24-	8	Q 6	319.9784	-2.83	33-21	P11		320.7827	-1.59	30-16	Q18		322.0051	-2.58	28-13	Q13	
317.7982	-3.64	27-12	R 2		318.9168	-5.72	24-	8	Q 7	320.0106	-2.37	33-21	Q14		320.7884	-2.08	30-16	P13		322.0120	-5.39	25-	9 R 7	
317.8064	-3.49	27-12	R 3		318.9168	-5.72	24-	8	R34	320.0289	-2.16	30-16	R 8		320.8680	-2.47	34-23	O10		322.0161	-4.98	25-	9 R21	
317.8132	-3.22	27-12	R 0		318.9181	-2.58	27-12	Q28		320.0310	-5.55	24-	8	P23	320.8686	-2.05	30-16	P 16		322.0164	-2.58	28-13	R25	
317.8172	-2.76	31-18	P24		318.9198	-5.57	24-	8	Q10	320.0338	-2.46	30-16	R 3		320.8929	-5.38	32-21	P18		322.0195	-2.22	34-23	Q18	
317.8175	-3.38	27-12	R 4		318.9191	-5.67	24-	8	P11	320.0520	-2.08	30-16	R10		320.9527	-2.02	30-16	P15		322.0267	-5.57	25-	9 R 4	
317.8186	-4.03	27-12	R22		319.0572	-5.43	24-	8	Q16	320.1073	-5.53	24-	8	P25	321.0288	-2.39	34-23	O12		322.0321	-4.97	25-	9 R22	
317.8690	-3.10	27-12	Q 8		319.0007	-5.33	24-	8	R35	320.0369	-2.53	33-21	R18		320.9731	-2.43	34-23	O11		322.0734	-2.56	28-13	R26	
317.9132	-3.06	27-12	Q 9		319.0044	-2.56	27-12	Q29		320.0711	-2.05	30-16	R 1		320.9820	-2.58	33-21	P19		322.0832	-5.65	25-	9 R 3	
317.9156	-2.94	27-12	R23		319.0078	-5.50	24-	8	R12	320.0801	-2.79	33-21	P12		321.0208	-1.53	30-16	G21		322.0918	-2.52	28-13	Q15	
317.9237	-3.86	27-12	P 4		319																			

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ				
322.5365	-5.44	25.-9	P 9		325.4755	-1.67	31-17	O 16		326.0701	-2.41	29-14	O 10		327.1128	-4.46	26-10	P 25		329.6162	-4.60	27-11	P 7
322.5424	-2.54	34.-23	P 10		325.4768	-4.69	26-10	R 10		326.0751	-3.13	29-14	P 5		327.1131	-2.45	29-14	P 20		329.6372	-3.88	27-11	Q 15
322.5622	-2.34	28-13	Q 23		325.4782	-4.66	26-10	R 13		326.0752	-1.96	31-17	P 18		327.1135	-2.54	33-20	R 13		329.6647	-4.53	27-11	P 8
322.5657	-4.76	25.-9	O 19		325.4784	-4.73	26-10	R 11		326.0759	-4.25	26-10	O 19		327.1370	-1.99	29-14	Q 27		329.6880	-3.86	27-11	Q 6
322.5674	-2.84	28-13	P 16		325.4812	-4.58	26-10	R 16		326.0877	-1.52	31-17	Q 23		327.1552	-3.01	33-20	P 6		329.6956	-3.83	27-11	Q 17
322.5853	-5.39	25.-9	P 10		325.4829	-4.76	26-10	R 10		326.0905	-4.89	26-10	P 10		327.1598	-2.43	33-20	Q 9		329.7154	-4.47	27-11	P 9
322.6060	-4.73	25.-9	O 20		325.4873	-4.64	26-10	R 14		326.1031	-2.35	29-14	R 22		327.1745	-2.51	33-20	R 14		329.7470	-3.81	27-11	Q 18
322.6355	-5.35	25.-9	P 11		325.4899	-4.80	26-10	R 9		326.1051	-2.37	29-14	Q 11		327.2019	-4.44	26-10	P 24		329.7680	-4.42	27-11	P 10
322.6367	-2.32	28-13	Q 24		325.4927	-4.55	26-10	R 17		326.1212	-3.03	29-14	P 6		327.2123	-2.43	29-14	P 21		329.7950	-3.78	27-11	Q 19
322.6454	-2.81	28-13	P 17		325.4956	-1.79	31-17	R 23		326.1292	-4.23	26-10	O 20		327.2145	-1.77	31-17	P 27		329.8237	-4.37	27-11	P 11
322.6483	-4.71	25.-9	Q 21		325.4985	-4.84	26-10	R 8		326.1441	-4.84	26-10	P 11		327.2188	-2.39	33-20	Q 10		329.8451	-3.76	27-11	Q 20
322.6887	-5.31	25.-9	P 12		325.5065	-4.54	26-10	R 18		326.1455	-2.33	29-14	Q 12		327.2191	-2.93	33-20	P 7		329.8722	-4.33	27-11	P 12
322.6929	-4.69	25.-9	Q 22		325.5100	-4.89	26-10	R 7		326.1544	-2.33	29-14	R 23		327.2257	-1.98	29-14	Q 28		329.8950	-3.74	27-11	Q 21
322.7153	-2.30	28-13	Q 25		325.5234	-4.94	26-10	R 6		326.1707	-2.95	29-14	P 7		327.2419	-2.48	33-20	R 15		329.9180	-2.67	32-18	R 3
322.7263	-2.78	28-13	P 18		325.5237	-2.15	31-17	P 12		326.1790	-4.21	26-10	Q 21		327.2842	-2.35	33-20	Q 11		329.9190	-2.59	32-18	R 4
322.7395	-4.67	25.-9	Q 23		325.5287	-4.52	26-10	R 10		326.1846	-1.93	31-17	P 19		327.2895	-2.87	33-20	P 8		329.9202	-2.52	32-18	R 5
322.7435	-5.27	25.-9	P 13		325.5354	-4.48	26-10	R 21		326.1874	-2.30	29-14	Q 13		327.2925	-4.43	26-10	P 27		329.9244	-2.47	32-18	R 6
322.7869	-2.29	28-13	Q 26		325.5396	-5.00	26-10	R 5		326.1962	-1.50	31-17	Q 24		327.3111	-2.41	29-14	P 24		329.9335	-2.41	32-18	R 7
322.7880	-4.66	25.-9	Q 24		325.5433	-4.50	26-10	R 20		326.1994	-4.80	26-10	P 12		327.3147	-2.46	33-20	R 16		329.9402	-4.29	27-11	P 13
322.8002	-5.23	25.-9	P 14		325.5487	-1.65	31-17	Q 17		326.2082	-2.32	29-14	P 24		327.3230	-1.90	29-14	Q 29		329.9448	-2.37	32-18	R 8
322.8105	-2.76	28-13	P 19		325.5578	-5.06	26-10	R 4		326.2225	-2.89	29-14	P 8		327.3358	-2.31	33-20	Q 12		329.9458	-2.77	32-18	R 2
322.8388	-4.64	25.-9	Q 25		325.5636	-4.46	26-10	R 22		326.2305	-4.19	26-10	Q 22		327.3657	-2.81	33-20	P 9		329.9502	-3.72	27-11	Q 22
322.8593	-5.20	25.-9	P 15		325.5758	-1.77	31-17	R 24		326.2330	-2.27	29-14	Q 14		327.3871	-4.41	26-10	P 28		329.9597	-2.89	32-18	R 1
322.8734	-2.27	28-13	Q 27		325.5782	-5.14	26-10	R 3		326.2572	-4.76	26-10	P 13		327.3956	-2.43	33-20	R 17		329.9632	-2.33	32-18	9
322.8894	-4.62	25.-9	P 23		325.5878	-4.44	26-10	R 23		326.2654	-2.30	29-14	R 25		327.4173	-2.39	29-14	P 23		329.9799	-3.07	32-18	R 0
322.8972	-2.73	28-13	P 20		325.6012	-5.24	26-10	R 2		326.2761	-4.17	26-10	Q 23		327.4212	-1.95	29-14	P 30		329.9859	-2.29	32-18	R 10
322.9201	-5.17	25.-9	P 16		325.6051	-2.11	31-17	P 13		326.2787	-2.83	29-14	P 9		327.4331	-2.28	33-20	Q 13		330.0060	-4.26	27-11	P 14
322.9469	-4.61	25.-9	Q 27		325.6145	-4.43	26-10	R 24		326.2819	-2.24	29-14	Q 15		327.4481	-2.76	33-20	P 10		330.0073	-3.70	27-11	Q 23
322.9827	-5.14	25.-9	P 17		325.6252	-5.36	26-10	R 1		326.2992	-1.91	31-17	P 20		327.4811	-2.41	33-20	R 18		330.0093	-2.89	32-18	U 1
322.9878	-2.71	28-13	P 21		325.6282	-1.62	31-17	Q 18		326.3056	-1.48	31-17	Q 25		327.5165	-4.39	26-10	P 29		330.0125	-2.25	32-18	R 11
323.0050	-4.59	25.-9	Q 28		325.6430	-4.41	26-10	R 10		326.3178	-4.73	26-10	P 14		327.5168	-2.25	33-20	Q 14		330.0191	-2.67	32-18	U 2
323.0474	-5.12	25.-9	P 18		325.6526	-5.54	26-10	R 0		326.3257	-2.29	29-14	R 26		327.5183	-2.37	29-14	P 24		330.0349	-2.52	32-18	Q 3
323.0608	-4.58	25.-9	Q 29		325.6637	-1.76	31-17	R 25		326.3342	-4.15	26-10	Q 24		327.5360	-2.71	33-20	P 11		330.0368	-2.41	32-18	Q 4
323.0815	-2.69	28-13	P 22		325.6755	-4.39	26-10	R 26		326.3342	-2.21	29-14	Q 16		327.5743	-2.39	33-20	R 19		330.0467	-2.22	32-18	R 12
323.1146	-5.09	25.-9	P 19		325.6837	-5.36	26-10	Q 1		326.3385	-2.78	29-14	P 10		327.5759	-4.38	26-10	P 30		330.0656	-3.68	27-11	Q 24
323.1243	-4.56	25.-9	Q 30		325.6875	-5.14	26-10	R 2		326.3815	-4.69	26-10	P 15		327.6067	-2.22	33-20	G 15		330.0681	-2.33	32-18	Q 5
323.1740	-2.67	28-13	P 23		325.6906	-2.08	31-17	P 14		326.3844	-2.27	29-14	R 27		327.6299	-2.35	29-14	P 25		330.0690	-3.37	32-18	P 2
323.1833	-5.07	25.-9	P 20		325.6947	-5.00	26-10	Q 3		326.3899	-2.19	29-14	Q 17		327.6303	-2.67	33-20	P 12		330.0709	-4.23	27-11	P 15
323.1890	-4.55	25.-9	Q 31		325.7028	-4.89	26-10	R 4		326.3909	-4.13	26-10	Q 25		327.6705	-4.38	26-10	P 31		330.0840	-2.19	32-18	R 13
323.2545	-5.05	25.-9	P 21		325.7135	-4.80	26-10	Q 5		326.4014	-2.73	29-14	P 11		327.7030	-2.19	33-20	Q 16		330.0984	-2.25	32-18	Q 6
323.2562	-4.53	25.-9	Q 32		325.7136	-1.60	31-17	Q 17		326.4134	-1.89	31-17	P 21		327.7309	-2.63	33-20	P 13		330.1083	-3.07	32-18	P 3
323.2763	-2.65	28-13	P 24		325.7264	-4.73	26-10	R 6		326.4228	-1.47	31-17	P 21		327.7440	-2.33	33-20	P 26		330.1263	-2.16	32-18	R 14
323.3277	-5.02	25.-9	P 22		325.7402	-4.36	26-10	R 28		326.4480	-2.16	29-14	Q 18		327.7808	-4.35	26-10	P 32		330.1280	-3.67	27-11	G 25
323.3292	-4.52	25.-9	Q 33		325.7413	-4.66	26-10	R 7		326.4503	-4.14	26-10	Q 26		327.8047	-2.17	33-20	Q 17		330.1324	-2.19	32-18	Q 7
323.3807	-2.63	28-13	P 25		325.7425	-4.38	26-10	R 27		326.4517	-2.26	29-14	R 28		327.8372	-2.60	33-20	P 14		330.1415	-4.20	27-11	P 16
323.4032	-5.00	25.-9	P 23		325.7461	-5.84	26-10	P 10		326.4529	-4.66	26-10	P 16		327.8616	-2.32	29-14	P 27		330.1538	-2.89	32-18	P 4
323.4807	-4.83	25.-9	P 34		325.7590	-4.61	26-10	Q 8		326.4666	-2.69	29-14	P 12		327.8803	-4.33	26-10	P 33		330.1637	-2.60	30-15	R 6
324.8059	-2.29	31-17	R 6		325.7987	-4.56	26-10	Q 9		326.5672	-4.61	26-10	P 18		327.8817	-2.07	33-20	Q 18		330.1855	-2.66	30-15	R 5
324.8064	-2.34	31-17	R 5		325.8011	-4.52	26-10	Q 10		326.6680	-2.59	29-14	P 15		327.9145	-2.14	33-20	Q 18		330.1874	-2.50	30-15	R 8
324.8088	-2.41	31-17	R 4																				

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ		
330.5238	-2.80	30-15	P 6		333.2117	-0.25	28-12	Q 2		334.2590	-3.69	28-12	P19	-335.1137	-6.25	25- 8	R35	336.1788	-6.54	25- 8	P20
330.5572	-2.10	30-15	Q17		333.2124	-0.01	34-21	R 1		334.2849	-3.26	35-23	P 4	335.1187	-6.70	35-23	P12	336.1915	-2.51	35-23	P18
330.5627	-2.01	32-18	R21		333.2174	-2.64	34-21	R 5		334.2860	-3.19	28-12	Q28	335.1208	-7.22	25- 8	R 2	336.1939	-2.07	31-16	P19
330.5690	-2.12	30-15	R22		333.2196	-4.10	28-12	O 3		334.2907	-2.37	34-21	P14	335.1274	-4.72	31-16	P 5	336.2387	-5.97	25- 8	Q35
330.5720	-1.88	32-18	Q15		333.2263	-3.18	34-21	R 0		334.2908	-2.74	35-23	R 8	335.1376	-2.00	31-16	R19	336.2507	-6.52	25- 8	P21
330.5824	-2.72	30-15	P 7		333.2302	-3.99	28-12	O 4		334.3073	-1.94	34-21	Q17	-335.1453	-6.24	25- 8	R36	336.2992	-2.05	31-16	P20
330.5876	-2.37	32-18	P11		333.2351	-3.55	28-12	R23		334.3163	-2.63	35-23	Q 6	335.1481	-6.00	31-16	R10	336.3025	-5.96	25- 8	Q36
330.5894	-4.05	27-11	P22		333.2359	-2.58	34-21	R 6		334.3249	-3.67	28-12	P20	335.1495	-7.34	25- 8	1	336.3199	-6.50	25- 8	P22
330.6057	-2.07	30-15	Q13		333.2437	-3.90	28-12	Q 5		334.3624	-2.70	35-23	R 9	335.1595	-2.48	35-23	R16	336.3709	-5.95	25- 8	Q37
330.6216	-2.66	30-15	P 8		333.2558	-3.01	34-21	Q 1		334.3651	-3.14	35-23	P 5	335.1618	-2.28	35-23	Q14	336.3906	-6.48	25- 8	P23
330.6256	-2.10	30-15	R23		333.2589	-3.83	28-12	O 6		334.3696	-3.17	28-12	Q29	335.1619	-2.21	34-21	P20	336.4101	-2.02	31-16	P21
330.6413	-1.99	32-18	R22		333.2602	-2.53	34-21	R 7		334.3874	-2.56	35-23	O 7	335.1776	-6.63	31-16	P 6	336.4245	-2.48	35-23	P19
330.6492	-1.85	32-18	Q16		333.2663	-3.53	28-12	R24		334.4118	-3.04	35-23	P 6	-335.1798	-6.23	25- 8	R37	336.4381	-5.93	25- 8	Q38
330.6560	-2.04	30-15	Q14		333.2707	-4.95	28-12	P 2		334.4172	-2.34	34-21	P15	335.1800	-7.52	25- 8	R 0	336.4655	-6.46	25- 8	P24
330.6699	-2.33	32-18	P12		333.2715	-2.79	34-21	O 2		334.4254	-3.64	28-12	P21	335.1898	-1.96	31-16	Q11	336.5018	-6.44	25- 8	P25
330.6753	-4.03	27-11	P23		333.2773	-3.77	28-12	Q 7		334.4337	-1.92	34-21	Q18	335.1899	-1.98	31-16	R20	336.5246	-2.00	31-16	P22
330.6835	-2.60	30-15	P 9		333.2915	-2.49	34-21	R 8		334.4431	-2.66	35-23	R10	335.2111	-3.50	28-12	P29	336.6016	-6.42	25- 8	P26
330.6859	-2.09	30-15	R24		333.2920	-2.64	34-21	O 3		334.4677	-2.51	35-23	Q 8	335.2134	-7.34	25- 8	Q 1	336.6451	-1.98	31-16	P23
330.7072	-2.01	30-15	Q15		333.2987	-3.72	28-12	Q 8		334.5168	-3.62	28-12	P22	335.2163	-7.12	25- 8	O 2	336.6831	-6.41	25- 8	P27
330.7310	-1.97	32-18	R23		333.3072	-4.64	28-12	P 3		334.5217	-2.96	35-23	P 7	335.2209	-6.98	25- 8	O 3	336.7683	-1.96	31-16	P24
330.7319	-1.82	32-18	Q17		333.3092	-3.51	28-12	R25		334.5348	-2.63	35-23	R11	335.2278	-6.87	25- 8	O 4	336.7737	-6.39	25- 8	P28
330.7475	-2.55	30-15	P10		333.3149	-3.49	34-21	P 2		334.5518	-2.31	34-21	P14	335.2326	-2.55	31-16	P 7	336.8065	-6.37	25- 8	P29
330.7560	-2.29	32-18	P13		333.3194	-2.53	34-21	O 4		334.5548	-2.46	35-23	Q 9	335.2356	-6.78	25- 8	P 5	336.8897	-1.94	31-16	P25
330.7639	-4.01	27-11	P24		333.3219	-3.67	28-12	R 9		334.5678	-1.89	34-21	Q19	335.2375	-1.93	31-16	O12	336.9066	-6.36	25- 8	P30
330.7650	-1.98	30-15	Q16		333.3311	-2.44	34-21	R 9		334.6079	-3.60	28-12	P23	335.2454	-6.71	25- 8	O 6	337.0090	-6.34	25- 8	P31
330.8147	-2.50	30-15	P11		333.3450	-3.50	28-12	R26		334.6222	-2.89	35-23	P 8	335.2482	-1.96	31-16	R21	337.0815	-6.33	25- 8	P32
330.8183	-1.80	32-18	Q18		333.3470	-4.47	28-12	P 4		334.6371	-2.59	35-23	R12	335.2570	-6.64	25- 8	Q 7	337.1001	-3.48	29-13	R10
330.8243	-1.96	30-15	Q17		333.3481	-3.62	28-12	Q10		334.6558	-2.42	35-23	Q10	335.2695	-2.66	35-23	P13	337.1004	-3.51	29-13	R 9
330.8273	-1.95	32-18	R24		333.3536	-2.44	34-21	P 5		334.6926	-2.28	34-21	P17	335.2697	-6.59	25- 8	Q 8	337.1020	-3.44	29-13	R11
330.8498	-2.25	32-18	P14		333.3601	-3.18	34-21	P 3		334.7021	-3.58	28-12	P24	335.2803	-7.82	25- 8	P 2	337.1040	-3.56	29-13	R 8
330.8538	-3.99	27-11	P25		333.3770	-3.58	28-12	Q11		334.7101	-1.87	34-21	Q20	335.2847	-6.54	25- 8	O 9	337.1079	-3.41	29-13	R12
330.8895	-2.46	30-15	P12		333.3787	-2.41	34-21	R10		334.7319	-2.84	35-23	P 9	335.2887	-1.89	31-16	Q13	337.1096	-3.60	29-13	R 7
330.8896	-1.93	30-15	Q18		333.3894	-4.34	28-12	R28		334.7504	-2.56	35-23	R13	335.2912	-2.48	31-16	P 8	337.1149	-3.38	29-13	R13
330.9075	-1.78	32-18	Q19		333.3946	-2.37	34-21	Q 6		334.7659	-2.38	35-23	Q11	335.3007	-6.50	25- 8	Q 10	337.1189	-3.65	29-13	R 6
330.9240	-1.94	32-18	R25		333.3972	-3.48	28-12	R27		334.7946	-3.57	28-12	P25	335.3091	-1.94	31-16	R22	337.1273	-3.35	29-13	R14
330.9468	-2.22	32-18	P15		333.4083	-3.55	28-12	R12		334.8261	-2.42	31-16	R 6	335.3165	-7.52	25- 8	P 3	337.1304	-3.71	29-13	R 5
330.9478	-3.98	27-11	P26		333.4101	-3.01	34-21	P 2		334.8266	-2.37	31-16	R 7	335.3185	-6.46	25- 8	Q 11	337.1417	-3.33	29-13	R15
330.9493	-2.42	30-15	P13		333.4137	-2.37	34-21	R11		334.8296	-2.48	31-16	R 5	335.3191	-2.25	35-23	Q15	337.1455	-3.78	29-13	R 4
330.9582	-1.91	30-15	Q19		333.4349	-4.25	28-12	P 6		334.8312	-2.32	31-16	R 8	335.3267	-3.48	28-12	P30	337.1590	-3.30	29-13	R16
331.0066	-1.76	32-18	Q20		333.4426	-2.31	34-21	Q 12		334.8365	-2.55	31-16	R 4	335.3327	-2.46	35-23	R17	337.1630	-3.86	29-13	R 3
331.0294	-1.92	32-18	R26		333.4427	-3.51	28-12	Q13		334.8383	-2.28	31-16	R 9	335.3342	-2.18	34-21	P21	337.1682	-6.32	25- 8	P33
331.0304	-2.39	30-15	P14		333.4491	-3.47	28-12	R28		334.8414	-2.26	34-21	P18	335.3380	-6.42	25- 8	Q 12	337.1795	-3.28	29-13	R17
331.0307	-1.89	30-15	Q20		333.4467	-2.88	34-21	P 5		334.8483	-2.63	31-16	R 3	335.3438	-1.86	31-16	Q14	337.1837	-3.95	29-13	R 2
331.0426	-3.66	27-11	P27		333.4797	-3.48	28-12	O 14		334.8485	-2.78	35-23	P10	335.3538	-2.42	31-16	P 9	337.2024	-3.25	29-13	R18
331.0487	-2.19	32-18	P16		333.4819	-4.17	28-12	P 7		334.8491	-2.25	31-16	R10	335.3546	-7.34	25- 8	P 4	337.2061	-4.08	29-13	R 1
331.1074	-1.87	30-15	Q21		333.4917	-2.34	34-21	R12		334.8464	-2.72	31-16	R 2	335.3593	-6.39	25- 8	Q 13	337.2291	-3.23	29-13	R19
331.1092	-1.73	32-18	Q21		333.4965	-2.26	34-21	Q 8		334.8567	-2.21	31-16	R11	335.3759	-1.93	31-16	R23	337.2333	-4.25	29-13	R 0
331.1117	-2.35	30-15	P15		333.5193	-3.45	28-12	Q15		334.8688	-0.42	35-23	R23	335.3820	-6.36	25- 8	Q 14	337.2565	-6.30	25- 8	P34
331.1240	-3.94	30-15	Q23		333.5205	-2.14	34-21	P 7		334.8871	-2.34	35-23	R12	335.3820	-6.36	25- 8	P 6	337.2588	-3.21	29-13	R20
331.1270	-1.79	32-18	P23		333.5309	-2.79	34-21	P 6		334.8879	-2.55	35-23	R26	335.4022	-1.83	31-16	Q15	337.2655	-4.08	29-13	Q 1
331.1289	-2.30	30-15	P17		333.5322	-4.10	28-12	P 8		334.8902	-0.46	25- 8	R12	335.4053	-1.81	31-16	Q16	337.2655	-4.08	29-13	Q 1
331.1356	-1.63	32-18	P21		333.5588	-3.30	28-12	R21		334.8933	-0.50	25- 8	R19	335.4088	-6.33	25- 8	Q 15	337.2803			

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
338.3138	-5.87	26	9	R20	339.9100	-5.86	26	9	P24	341.6036	-2.86	30	14	R20	342.2460	-6.65	27	10	P 2	345.1065	-2.43	33	18	R 4
338.3200	-6.04	26	9	R13	339.9147	-2.37	32	17	Q 3	341.6098	-5.33	34	20	O 5	342.2469	-5.42	27	10	Q 8	345.1073	-2.30	33	18	R 6
338.3208	-5.86	26	9	R21	339.9329	-2.01	32	17	R14	341.6183	-3.09	30	14	Q 6	342.2486	-5.11	27	10	R33	345.1143	-2.25	33	18	R 7
338.3280	-6.07	26	9	R12	339.9337	-2.26	32	17	Q 4	341.6195	-5.26	34	20	R11	342.2486	-4.88	34	20	Q15	345.1234	-2.20	33	18	R 8
338.3297	-5.84	26	9	R22	339.9550	-2.18	32	17	O 5	341.6202	-4.20	30	14	P 2	342.2489	-5.38	27	10	O 9	345.1381	-2.60	33	18	R 2
338.3383	-6.10	26	9	R11	339.9582	-3.22	32	17	P 2	341.6301	-6.07	34	20	P 3	342.2811	-1.80	32	17	P27	345.1398	-2.16	33	18	R 9
338.3402	-5.82	26	9	R23	339.9723	-1.99	32	17	R15	341.6394	-3.03	30	14	O 7	342.2833	-6.35	27	10	P 3	345.1541	-2.73	33	18	R 1
338.3503	-6.14	26	9	R10	339.9820	-2.10	32	17	O 6	341.6455	-2.84	30	14	R21	342.2856	-5.33	27	10	O10	345.1605	-2.12	33	18	R10
338.3529	-5.80	26	9	R24	339.9875	-5.84	26	9	P25	341.6457	-5.24	34	20	Q 6	342.2880	-2.57	30	14	Q21	345.1766	-2.90	33	18	R 0
338.3636	-6.18	26	9	9	340.0001	-2.92	32	17	P 3	341.6612	-3.90	30	14	P 3	342.2915	-5.33	34	20	P12	345.1850	-2.09	33	18	R11
338.3660	-2.82	29	13	Q27	340.0105	-2.04	32	17	Q 7	341.6647	-2.97	30	14	Q 8	342.2973	-3.09	30	14	P14	345.2087	-2.73	33	18	Q 1
338.3672	-5.79	26	9	R25	340.0140	-1.96	32	17	R16	341.6676	-5.23	34	20	R12	342.3077	-5.29	27	10	O11	345.2174	-2.02	33	18	R12
338.3718	-3.30	29	13	PI9	340.0409	-2.74	32	17	P 4	341.6793	-5.90	34	20	P 4	342.3241	-6.18	27	10	P 4	345.2183	-2.50	33	18	Q 2
338.3798	-6.22	26	9	R 8	340.0461	-1.99	32	17	O 8	341.6813	-2.82	30	14	R22	342.3321	-5.26	27	10	O12	345.2344	-2.36	33	18	Q 3
338.3843	-5.77	26	9	R26	340.0628	-1.94	32	17	R17	341.6882	-5.20	34	20	Q 7	342.3471	-4.86	34	20	Q16	345.2348	-2.25	33	18	Q 4
338.3972	-6.26	26	9	R 7	340.0672	-5.82	26	9	P26	341.6936	-2.93	30	14	O 9	342.3582	-5.22	27	10	Q13	345.2529	-2.03	33	18	R13
338.4040	-5.75	26	9	R27	340.0843	-1.94	32	17	Q 9	341.7035	-3.73	30	14	P 4	342.3625	-2.55	30	14	P22	345.2670	-2.16	33	18	Q 5
338.4164	-6.31	26	9	R 6	340.0914	-2.62	32	17	P 5	341.7168	-1.87	32	17	P23	342.3654	-6.05	27	10	P 5	345.2729	-3.20	33	18	P 2
338.4207	-5.74	26	9	R28	340.1167	-1.92	32	17	R18	341.7221	-5.20	34	20	R13	342.3744	-3.06	30	14	P15	345.2933	-2.00	33	18	R14
338.4371	-6.37	26	9	R 5	340.1228	-1.89	32	17	C10	341.7256	-2.88	30	14	O10	342.3874	-5.19	27	10	Q14	345.2976	-2.09	33	18	Q 6
-338.4458	-5.73	26	9	R29	340.1443	-2.52	32	17	P 6	341.7282	-2.81	30	14	R23	342.3959	-5.29	34	20	P13	345.3147	-2.90	33	18	P 3
338.4591	-3.28	29	13	P20	340.1484	-5.80	26	9	P27	341.7333	-5.77	34	20	P 5	342.4092	-5.96	27	10	P 6	345.3319	-2.03	33	18	D 7
338.4605	-6.44	26	9	R 4	340.1699	-1.89	32	17	R19	341.7366	-5.14	34	20	O 8	342.4183	-5.16	27	10	Q15	345.3390	-1.97	33	18	R15
-338.4754	-5.71	26	9	R30	340.1738	-1.86	32	17	O11	341.7473	-3.60	30	14	P 5	342.4307	-2.53	30	14	P23	345.3629	-2.73	33	18	P 4
338.4847	-6.52	26	9	R 3	340.2028	-2.44	32	17	P 7	341.7595	-2.84	30	14	C11	342.4420	-5.09	27	10	Q18	345.3710	-1.97	33	18	Q 8
-338.5020	-5.70	26	9	R31	340.2305	-1.87	32	17	R20	341.7775	-2.79	30	14	K24	342.4512	-4.83	34	20	Q24	345.3902	-1.95	33	18	K16
338.5118	-6.61	26	9	R 2	340.2324	-5.79	26	9	P28	341.7830	-5.17	34	20	K14	342.4530	-5.14	27	10	Q16	345.3953	-2.60	33	18	P 5
-338.5334	-5.69	26	9	R32	340.2381	-1.82	32	17	O12	341.7913	-5.09	34	20	O 9	342.4548	-3.03	30	14	P16	345.4122	-1.92	33	18	O 9
338.5396	-6.74	26	9	R 1	340.2629	-2.37	32	17	P 8	341.7955	-3.51	30	14	P 6	342.4550	-5.88	27	10	P 7	345.4451	-1.92	33	18	R17
338.5503	-3.25	29	13	P21	340.2779	-1.79	32	17	Q13	341.7960	-5.67	34	20	P 6	342.4930	-5.11	27	10	Q17	345.4597	-2.50	33	18	P 6
338.5692	-6.92	26	9	R 0	340.2956	-1.88	32	17	R21	341.7989	-2.81	30	14	O12	342.5026	-5.81	27	10	P 8	345.4607	-1.88	33	18	O10
338.6029	-6.74	26	9	Q 1	340.3190	-5.77	26	9	P29	341.8302	-2.77	30	14	R25	342.5063	-5.26	34	20	P14	345.5026	-1.90	33	18	R18
338.6069	-6.52	26	9	Q 2	340.3301	-2.31	32	17	P 9	341.8397	-2.77	30	14	O13	342.5102	-2.51	30	14	Q24	345.5134	-1.84	33	18	O11
338.6128	-6.37	26	9	Q 3	340.3410	-1.75	32	17	O14	341.8470	-3.43	30	14	P 7	342.5337	-5.06	27	10	Q19	345.5225	-2.43	33	18	P 7
338.6194	-6.26	26	9	Q 4	340.3646	-1.84	32	17	R22	341.8491	-1.86	32	17	P24	342.5384	-3.00	30	14	P17	345.5701	-1.81	33	18	G12
338.6288	-6.18	26	9	Q 5	340.3998	-2.28	32	17	R10	341.8504	-5.14	34	20	R15	342.5530	-5.75	27	10	P 9	345.5530	-1.85	33	18	K19
338.6390	-6.10	26	9	Q 6	340.4025	-5.75	26	9	P30	341.8517	-5.05	34	20	O10	342.5638	-4.81	34	20	Q18	345.5589	-2.36	33	18	E 8
338.6444	-3.23	29	13	P22	340.4056	-1.73	32	17	Q15	341.8630	-5.60	34	20	P 7	342.5843	-5.04	27	10	Q20	345.6346	-1.77	33	18	Q13
338.6520	-6.04	26	9	Q 7	340.4420	-1.82	32	17	R23	341.8841	-2.74	30	14	O14	342.5920	-2.50	30	14	Q25	345.6419	-1.86	33	18	R20
338.6664	-5.99	26	9	Q 8	340.4470	-2.22	32	17	P11	341.8857	-2.76	30	14	R26	342.6050	-5.70	27	10	P10	345.6602	-2.30	33	18	P 9
338.6682	-5.94	26	9	Q 9	340.4694	-5.74	26	9	P31	341.8995	-5.40	27	10	R16	342.6254	-2.97	30	14	P18	345.6851	-4.85	28	11	R17
338.6699	-5.89	26	9	Q10	340.5199	-1.80	32	17	R24	341.9007	-3.36	30	14	P 8	342.6307	-5.02	27	10	Q21	345.6851	-4.95	28	11	R13
338.7080	-5.75	26	9	Q14	340.5197	-1.67	32	17	O17	341.9052	-5.38	27	10	R17	342.6597	-5.65	34	20	P11	345.6877	-4.93	28	11	R14
338.7202	-5.86	26	9	Q15	340.7243	-2.10	32	17	P12	341.9131	-5.35	27	10	R18	342.6772	-2.48	30	14	Q26	345.6883	-4.98	28	11	R12
338.7368	-3.21	29	13	P23	340.5409	-5.73	26	9	P34	341.9145	-5.48	27	10	R13	342.6785	-5.00	27	10	Q22	345.6892	-5.05	28	11	R10
338.7418	-5.82	26	9	Q12	340.6060	-1.79	32	17	R25	341.9182	-5.51	27	10	R12	342.6810	-4.78	34	20	P19	345.6902	-5.02	28	11	R11
338.7475	-6.74	26	9	P 4	340.6300	-1.65	32	17	Q18	341.9185	-5.01	34	20	Q11	342.7146	-2.95	30	14	P19	345.6962	-4.83	28	11	R18
338.7515	-6.31	26	9	P 9	340.6364	-2.14	32	17	P13	341.9189	-5.45	27	10	R14	342.7158	-5.61	27	10	P25	345.7357	-5.18	28	11	R 7
338.7878	-6.61	26	9	P 5	340.6470	-2.04	32	17	P16	341.9379	-5.31	27	10	R20	342.8259	-4.95	27	10	Q25	345.7385	-4.77	28	11	R21
338.909																								

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
346.0662	-4.77	28-11	Q11		347.3121	-2.64	31-15	P19		349.6666	-4.53	29-12	R11		350.9017	-3.15	32-16	Q1		354.1878	-3.91	30-13	Q9	
346.0744	-1.77	33-18	R25		347.3688	-4.77	28-11	P24		349.6674	-4.44	29-12	R14		350.9089	-2.93	32-16	Q2		354.2149	-3.87	30-13	Q10	
346.0802	-5.65	28-11	P4		347.4126	-2.62	31-15	P20		349.6718	-4.56	29-12	R10		350.9093	-3.89	29-12	Q28		354.2201	-4.71	30-13	P4	
346.0849	-2.09	33-18	P14		347.4575	-4.75	28-11	P25		349.6722	-4.41	29-12	R15		350.9194	-2.38	32-16	R16		354.2452	-3.83	30-13	Q11	
346.0869	-2.62	31-15	R17		347.4612	-1.82	33-18	P25		349.6750	-2.20	35-21	O20		350.9223	-2.79	32-16	O3		354.2662	-4.59	30-13	P5	
346.0888	-3.42	31-15	Q1		347.5171	-2.59	31-15	P21		349.6793	-4.60	29-12	R9		350.9367	-2.68	32-16	O4		354.2775	-3.79	30-13	Q12	
346.0975	-3.20	31-15	Q2		347.5501	-4.73	28-11	P26		349.6801	-2.61	35-21	P17		350.9556	-2.59	32-16	O5		354.3137	-3.76	30-13	Q13	
346.1014	-4.73	28-11	Q12		347.6213	-1.81	33-18	P26		349.6807	-4.39	29-12	R16		350.9560	-2.35	32-16	R17		354.3153	-4.49	30-13	P6	
346.1104	-3.05	31-15	Q3		347.6258	-2.57	31-15	P22		349.6892	-4.64	29-12	R8		350.9689	-3.63	32-16	P2		354.3508	-3.73	30-13	Q14	
346.1126	-1.61	33-18	Q19		347.6434	-4.72	28-11	P27		349.6896	-4.36	29-12	R17		350.9722	-4.39	29-12	P19		354.3667	-4.41	30-13	P7	
346.1212	-2.59	31-15	R18		347.7369	-2.55	31-15	P23		349.7021	-4.69	29-12	R7		350.9794	-2.52	32-16	O6		354.3933	-3.70	30-13	Q15	
346.1229	-2.94	31-15	Q4		347.7411	-4.70	28-11	P28		349.7042	-4.34	29-12	R18		350.9889	-3.87	29-12	Q29		354.4215	-4.35	30-13	P8	
346.1234	-5.53	28-11	P5		347.7815	-1.73	33-18	P27		349.7166	-4.74	29-12	R6		350.9956	-2.33	32-16	R18		354.4375	-3.67	30-13	O16	
346.1337	-4.70	28-11	Q13		347.8524	-2.53	31-15	P24		349.7170	-4.32	29-12	R19		350.1005	-2.45	32-16	O7		354.4783	-4.29	30-13	P9	
346.1409	-2.85	31-15	Q5		347.9508	-1.77	33-18	P28		349.7339	-4.80	29-12	R5		351.0097	-3.33	32-16	P3		354.4846	-3.65	30-13	Q17	
346.1550	-3.90	31-15	P2		347.9713	-2.51	31-15	P25		349.7348	-3.88	36-23	P11		351.0117	-3.65	36-23	P18		354.5346	-3.62	30-13	Q18	
346.1594	-2.57	31-15	R19		348.0937	-2.50	31-15	P20		349.7391	-4.30	29-12	R20		351.0377	-2.40	32-16	O8		354.5388	-4.24	30-13	P10	
346.1647	-2.78	31-15	Q6		348.1146	-3.11	35-21	R3		349.7467	-3.65	36-23	R15		351.0409	-2.31	32-16	R19		354.5869	-3.60	30-13	P19	
346.1647	-4.67	28-11	Q14		348.1180	-3.04	35-21	R4		349.7543	-4.87	29-12	R4		351.0560	-4.36	29-12	P20		354.6011	-4.19	30-13	P11	
346.1686	-5.43	28-11	P6		348.1181	-3.21	35-21	R2		349.7604	-4.28	29-12	R21		351.0567	-3.15	32-16	O4		354.6430	-3.58	30-13	Q20	
346.1788	-1.76	33-18	R26		348.1283	-2.97	35-21	R5		349.7677	-3.45	36-23	Q13		351.0729	-2.35	32-16	Q9		354.6665	-4.15	30-13	P12	
346.1847	-2.06	33-18	P15		348.1288	-3.34	35-21	R1		349.7762	-4.29	29-12	R3		351.0898	-2.29	32-16	R20		354.7019	-3.56	30-13	Q21	
346.1896	-2.72	31-15	Q7		348.1444	-3.51	35-21	P20		349.7847	-4.26	29-12	R22		351.1047	-3.03	32-16	P5		354.7340	-4.11	30-13	P13	
346.1968	-3.59	31-15	P3		348.1460	-2.91	35-21	R6		349.8008	-5.04	29-12	R2		351.1104	-3.31	32-16	Q10		354.7584	-3.54	30-13	Q22	
346.2015	-4.64	28-11	Q15		348.1696	-2.86	35-21	R7		349.8068	-4.25	29-12	R23		351.1381	-4.34	29-12	P21		354.8053	-4.08	30-13	P14	
346.2018	-2.55	31-15	R20		348.1762	-3.34	35-21	Q1		349.8281	-5.17	29-12	R1		351.1446	-2.27	32-16	R21		354.8259	-3.52	30-13	Q23	
346.2127	-1.59	33-18	Q20		348.1924	-3.11	35-21	Q2		349.8310	-4.23	29-12	R24		351.1514	-2.27	32-16	O11		354.8775	-4.04	30-13	P15	
346.2168	-5.35	28-11	P7		348.2004	-2.81	35-21	R8		349.8350	-2.58	35-21	P18		351.1573	-2.93	32-16	P6		354.8951	-3.50	30-13	Q24	
346.2258	-2.66	31-15	Q8		348.2135	-2.97	35-21	Q3		349.8584	-5.34	29-12	R9		351.1980	-2.23	32-16	Q12		354.9552	-4.01	30-13	P16	
346.2286	-2.62	31-15	Q9		348.2398	-3.81	35-21	P2		349.8676	-4.21	29-12	R25		351.2020	-2.25	32-16	R22		354.9682	-3.48	30-13	Q25	
346.2428	-3.42	31-15	P4		348.2406	-2.77	35-21	R9		349.8819	-3.84	36-23	P12		351.2147	-2.85	32-16	P7		355.0319	-3.47	30-13	Q26	
346.2466	-2.53	31-15	R21		348.2418	-2.88	35-21	Q4		349.8931	-5.17	29-12	Q1		351.2293	-4.32	29-12	P22		355.0346	-3.99	30-13	P17	
346.2509	-4.61	28-11	Q16		348.2770	-2.77	35-21	P5		349.8959	-4.20	29-12	R26		351.2492	-2.20	32-16	Q13		355.1129	-3.45	30-13	Q27	
346.2522	-4.59	28-11	Q17		348.2875	-2.73	35-21	R10		349.8974	-4.94	29-12	R2		351.2575	-3.62	36-23	P19		355.1187	-3.96	30-13	P18	
346.2670	-5.29	28-11	P8		348.2879	-3.51	35-21	P3		349.9019	-3.62	36-23	R16		351.2655	-2.23	32-16	R23		355.2020	-3.94	30-13	P19	
346.2701	-2.57	31-15	Q10		348.3192	-2.70	35-21	Q6		349.9048	-4.80	29-12	Q3		351.2755	-2.79	32-16	P8		355.2894	-3.91	30-13	P20	
346.2885	-3.29	31-15	P5		348.3407	-2.70	35-21	R11		349.9148	-4.69	29-12	Q4		351.3036	-2.17	32-16	Q14		355.3380	-3.48	30-13	P21	
346.2896	-2.03	33-18	P16		348.3408	-3.34	35-21	P4		349.9174	-3.42	36-23	Q14		351.3199	-4.30	29-12	P23		355.3474	-3.87	30-13	P22	
346.2958	-2.51	31-15	R22		348.3687	-2.64	35-21	P7		349.9277	-4.60	29-12	R5		351.3404	-2.73	32-16	P9		355.3566	-3.85	30-13	P23	
346.3013	-4.56	28-11	O18		348.4010	-3.21	35-21	P5		349.9418	-4.53	29-12	Q6		351.3613	-2.14	32-16	O15		355.6691	-3.83	30-13	P24	
346.3118	-2.53	31-15	Q11		348.4012	-2.67	35-21	R12		349.9419	-4.18	29-12	R27		351.4092	-2.68	32-16	P10		355.7734	-3.81	30-13	P25	
346.3162	-1.57	33-18	Q21		348.4241	-2.58	35-21	Q8		349.9592	-4.47	29-12	Q7		351.4134	-4.28	29-12	P24		355.8817	-3.79	30-13	P26	
346.3191	-5.23	28-11	P9		348.4681	-3.11	35-21	P1		349.9625	-5.64	29-12	R2		351.4237	-2.11	32-16	Q16		355.9165	-4.25	30-13	R6	
346.3431	-3.20	31-15	P6		348.4689	-2.64	35-21	R13		349.9793	-4.41	29-12	Q4		351.4803	-2.63	32-16	P11		355.9179	-2.47	33-17	R7	
346.3468	-4.54	28-11	Q19		348.4868	-2.54	35-21	Q9		349.9871	-4.17	29-12	R28		351.4905	-2.09	32-16	Q17		355.9217	-2.42	33-17	R8	
346.3483	-2.50	31-15	R23		348.5421	-3.04	35-21	P7		349.9975	-2.56	35-21	P19		351.5046	-4.26	29-12	P25		355.9224	-2.58	33-17	R5	
346.3559	-2.38	31-15	Q12		348.5450	-2.61	35-21	R14		350.0010	-4.36	29-12	Q9		351.5551	-2.59	32-16	P12		355.9255	-2.38	33-17	R9	
346.3730	-5.18	28-11	P10		348.5858	-2.49	35-21	P1		350.0015	-5.34	29-12	P3		351.5602	-2.06	32-16	Q18		355.9296	-2.64	33-17	R4	
346.3932	-4.52	28-11	Q20		348.6235	-2.97	35-21	P8		350.0257	-4.27	32-16	R10		351.5979	-4.25	29-12	P26		356.0064	-3.12	33-17	R10	
346.3997	-2.00	33-18	P17		348.6272	-2.58	35-21	R15		350.0408	-3.80	36-23	P13		351.6333	-2.04	32-16	Q19		356.0492	-4.72	33-17	R3	
346.4037	-2.46																							

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ			
356.3178	-2.06	33-17	Q11		357.4223	-2.17	33-17	P19		358.8454	-3.28	31-14	Q15		360.6753	-6.50	28-10	P12	362.9956	-3.25	32-15	R12
356.3344	-7.46	27- 9	R 3		357.4283	-2.55	35-20	O 8		358.8489	-3.93	31-14	P 8		360.6853	-5.84	28-10	Q25	362.9969	-3.49	32-15	R 6
356.3357	-7.56	27- 9	R 2		357.4332	-6.91	27- 9	P19		358.8503	-3.28	31-14	R29		360.7342	-6.46	28-10	P13	363.0081	-3.22	32-15	R13
356.3364	-2.64	33-17	P 7		357.4340	-3.18	35-20	P 5		358.8943	-3.25	31-14	O16		360.7342	-5.82	28-10	Q26	363.0068	-1.59	34-18	O24
356.3786	-2.06	33-17	R21		357.4474	-1.71	33-17	O25		358.9087	-3.87	31-14	P 9		360.7614	-3.33	31-14	P29	363.0237	-3.19	32-15	R14
356.3831	-2.02	33-17	Q12		357.4485	-2.58	35-20	R14		358.9119	-2.52	35-20	P19		360.7872	-5.80	28-10	Q27	363.0284	-3.55	32-15	R 5
356.3974	-7.68	27- 9	R 1		357.4842	-2.50	35-20	O 9		358.9463	-3.23	31-14	O17		360.7956	-6.43	28-10	P14	363.0363	-3.61	32-15	R 4
356.4210	-1.99	33-17	Q13		357.4995	-6.88	27- 9	P20		358.9721	-3.82	31-14	P10		360.8598	-6.40	28-10	P15	363.0373	-2.02	34-18	P19
356.4288	-2.58	33-17	P 8		357.5000	-3.08	35-20	P 6		359.0004	-3.21	31-14	G18		360.8635	-5.79	28-10	Q28	363.0430	-3.16	32-15	R15
356.4307	-7.86	27- 9	R 0		357.5155	-2.55	35-20	R15		359.0384	-3.77	31-14	P11		360.8884	-3.31	31-14	P30	363.0510	-3.69	32-15	R 3
356.4445	-2.04	33-17	R22		357.5421	-2.14	33-17	P20		359.0585	-3.18	31-14	G19		360.8896	-5.77	28-10	Q29	363.0632	-3.14	32-15	R16
356.4676	-7.68	27- 9	Q 1		357.5458	-2.46	35-20	Q10		359.0656	-2.50	35-20	P20		360.9326	-6.37	28-10	P16	363.0749	-3.79	32-15	K 2
356.4712	-7.46	27- 9	Q 2		357.5650	-1.70	33-17	O26		359.1065	-3.73	31-14	P12		360.9676	-5.76	28-10	Q30	363.0890	-3.11	32-15	R17
356.4763	-7.32	27- 9	Q 3		357.5678	-6.80	27- 9	P21		359.1239	-3.16	31-14	O20		360.9672	-6.34	28-10	P17	363.0981	-3.91	32-15	R 1
356.4819	-7.21	27- 9	Q 4		357.5702	-3.00	35-20	P 7		359.1801	-3.69	31-14	P13		361.0101	-5.74	28-10	Q31	363.1191	-3.09	32-15	R18
356.4840	-1.96	33-17	Q14		357.5882	-2.52	35-20	R16		359.1879	-3.14	31-14	O21		361.0156	-3.30	31-14	P31	363.1254	-4.09	32-15	R 0
356.4901	-7.12	27- 9	Q 5		357.6140	-2.42	35-20	Q11		359.2275	-2.48	35-20	P21		361.0454	-6.31	28-10	P18	363.1373	-1.57	34-18	Q25
356.4985	-2.52	33-17	P 9		357.6378	-6.84	27- 9	P22		359.2548	-3.66	31-14	P14		361.0564	-5.73	28-10	Q32	363.1524	-3.07	32-15	R19
356.4988	-7.05	27- 9	Q 6		357.6471	-2.93	35-20	P 8		359.2600	-3.12	31-14	O22		361.1182	-6.29	28-10	P19	363.1614	-3.91	32-15	L 1
356.5100	-6.98	27- 9	Q 7		357.6605	-2.12	33-17	P21		359.3249	-3.10	31-14	Q23		361.1254	-5.72	28-10	Q33	363.1620	-2.00	34-18	P20
356.5192	-2.02	33-17	R23		357.6696	-2.50	35-20	R17		359.3329	-3.63	31-14	P15		361.1929	-6.26	28-10	P20	363.1700	-3.64	32-15	U 2
356.5225	-6.93	27- 9	Q 8		357.6888	-2.38	35-20	Q12		359.4015	-3.08	31-14	P24		361.2011	-5.70	28-10	Q34	363.1829	-3.55	32-15	U 3
356.5364	-6.88	27- 9	Q 9		357.7096	-6.82	27- 9	P23		359.4143	-3.60	31-14	P16		361.2773	-6.24	28-10	P21	363.1899	-3.05	32-15	R20
356.5414	-8.16	27- 9	P 2		357.7301	-2.88	35-20	P 9		359.4804	-3.07	31-14	O25		361.3509	-6.22	28-10	P22	363.1949	-3.44	32-15	P 4
356.5482	-1.93	33-17	Q15		357.7557	-2.48	35-20	R24		359.4988	-3.57	31-14	P17		361.3960	-6.20	28-10	P23	363.2124	-3.35	32-15	Q 5
356.5512	-6.84	27- 9	O16		357.7696	-2.35	35-20	O13		359.5265	-3.05	31-14	O26		361.4390	-2.38	34-18	R 6	363.2296	-3.03	32-15	K 21
356.5688	-6.80	27- 9	P 11		357.7830	-6.80	27- 9	P24		359.5864	-3.54	31-14	P18		361.4394	-2.43	34-18	R 5	363.2334	-3.39	32-15	P 2
356.5707	-2.47	33-17	P10		357.7867	-2.10	33-17	P22		359.6473	-3.03	31-14	Q27		361.4432	-2.50	34-18	R 4	363.2359	-3.28	32-15	O 6
356.5819	-7.86	27- 9	P 3		357.8195	-2.83	35-20	P10		359.6762	-3.52	31-14	P19		361.4436	-2.32	34-18	R 7	363.2601	-3.22	32-15	U 7
356.5874	-6.76	27- 9	Q12		357.8500	-2.45	35-20	R14		359.7257	-6.18	28-10	R21		361.4449	-2.58	34-18	R 3	363.2653	-1.55	34-18	Q26
356.5940	-2.01	33-17	R24		357.8570	-2.32	35-20	O14		359.7293	-3.02	31-14	P28		361.4499	-2.28	34-18	R 8	363.2726	-3.01	32-15	K 22
356.6074	-6.73	27- 9	Q13		357.8577	-6.78	27- 9	P25		359.7403	-6.16	28-10	R22		361.4638	-2.24	34-18	R 9	363.2780	-4.09	32-15	P 3
356.6189	-1.90	33-17	R25		357.9148	-2.78	35-20	P11		359.7412	-3.31	28-10	R15		361.4810	-2.68	34-18	R 2	363.2952	-3.11	32-15	Q 9
356.6239	-7.68	27- 9	P 4		357.9175	-2.08	33-17	P23		359.7439	-6.26	28-10	R17		361.4819	-2.20	34-18	R10	363.2962	-3.16	32-15	G 8
356.6295	-6.70	27- 9	Q 17		357.9344	-6.76	27- 9	P26		359.7445	-6.24	28-10	R18		361.4846	-6.18	28-10	P24	363.2978	-1.98	34-18	P21
356.6428	-2.42	33-17	P11		357.9510	-2.29	35-20	O15		359.7452	-6.29	28-10	R16		361.4995	-2.80	34-18	R 1	363.3208	-2.99	32-15	H 23
356.6528	-6.67	27- 9	Q15		358.0123	-6.75	27- 9	P27		359.7488	-6.15	28-10	R23		361.5038	-2.16	34-18	R11	363.3269	-3.91	32-15	P 4
356.6663	-7.56	27- 9	P 9		358.0166	-2.74	35-20	P12		359.7543	-6.20	28-10	R20		361.5246	-2.98	34-18	R 0	363.3363	-3.07	32-15	G 10
356.6774	-1.99	33-17	R25		358.0517	-2.26	35-20	O16		359.7547	-6.22	28-10	R19		361.5340	-2.13	34-18	R 12	363.3715	-2.98	32-15	R 24
356.6774	-6.64	27- 9	Q16		358.0520	-2.06	33-17	P24		359.7600	-6.13	28-10	R24		361.5594	-2.80	34-18	G 1	363.3749	-3.79	32-15	P 5
356.6917	-1.88	33-17	Q17		358.0929	-6.73	27- 9	P28		359.7699	-3.49	31-14	P20		361.5669	-2.10	34-18	R13	363.3771	-3.03	32-15	Q 11
356.7037	-6.62	27- 9	Q17		358.1251	-2.70	35-20	P13		359.7722	-6.11	28-10	R25		361.5670	-6.16	28-10	P25	363.4028	-1.54	34-18	Q27
356.7115	-7.46	27- 9	P 6		358.1580	-2.24	35-20	Q17		359.7806	-6.34	28-10	R14		361.5690	-2.58	34-18	O 2	363.4201	-2.99	32-15	Q 12
356.7281	-2.38	33-17	P12		358.1758	-6.71	27- 9	P29		359.7821	-6.37	28-10	R13		361.5839	-2.32	34-18	Q 4	363.4322	-3.69	32-15	P 6
356.7322	-6.59	27- 9	Q18		358.1954	-2.04	33-17	P25		359.7884	-6.10	28-10	R26		361.5853	-2.43	34-18	P 3	363.4367	-1.96	34-18	F22
356.7571	-7.38	27- 9	P 7		358.2396	-2.67	35-20	P14		359.7921	-6.40	28-10	R12		361.6049	-2.07	34-18	R 14	363.4668	-2.96	32-15	G 13
356.7616	-6.57	27- 9	Q19		358.2548	-6.70	27- 9	P30		359.8049	-6.43	28-10	R11		361.6169	-2.24	34-18	Q 5	363.4966	-3.61	32-15	P 7
356.7719	-1.85	33-17	Q18		358.2730	-2.21	35-20	Q18		359.8177	-6.07	28-10	R30		361.6289	-3.28	34-18	P 2	363.5148	-2.33	32-15	P 14
356.7931	-6.55	27- 9	Q20		358.2897	-3.69	31-14	R10		359.8203	-6.46	28-10	R10		361.6678	-2.16	34-18	O 6	363.5367	-3.55	32-15	P 8
356.8052	-7.32	27- 9	P 8		358.2923	-3.66	31-14	R11		359.8207	-3.00	31-14	Q29		361.6682	-2.05	34-18	R15	363.5622	-2.90	32-15	Q 15
356.8055	-6.44	27- 9	P10		358.3270	-3.54	31-14	R15		359.8807	-6.02	28-10	R31		361.7495	-2.00	34-18	R17	363.6225	-5		

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ				
364,1033	-5.57	29-11	Q12		367,1337	-2.85	37-23	P19		368,6095	-5.38	30-12	P12		372,9173	-4.86	31-13	P12		374,3492	-2.07	36-20	Q 9
364,1112	-6.49	29-11	P 4		367,7081	-5.19	30-12	R15		368,6383	-4.75	30-12	Q23		372,9342	-4.25	31-13	Q22		374,3592	-2.64	34-17	P14
364,1330	-5.53	29-11	Q13		367,7098	-5.21	30-12	R14		368,6471	-2.53	33-16	Q16		372,9856	-4.83	31-13	P13		374,3783	-2.65	36-20	P 6
364,1394	-3.22	32-15	P16		367,7100	-5.16	30-12	R16		368,6694	-3.10	33-16	P10		372,9976	-4.23	31-13	Q23		374,4119	-2.02	36-20	Q10
364,1567	-6.36	29-11	P 5		367,7119	-5.14	30-12	R17		368,6744	-5.34	30-12	P13		373,0577	-4.79	31-13	P14		374,4190	-2.09	36-20	R16
364,1609	-5.50	29-11	Q14		367,7135	-5.24	30-12	R13		368,6940	-4.73	30-12	Q24		373,0624	-4.22	31-13	Q24		374,4392	-2.12	34-17	Q21
364,1627	-2.70	32-15	Q24		367,7193	-5.27	30-12	R12		368,7120	-2.51	33-16	Q17		373,1302	-4.76	31-13	P15		374,4518	-2.57	36-20	P 7
364,1947	-5.67	29-11	Q15		367,7195	-5.12	30-12	R18		368,7420	-5.30	30-12	P14		373,1311	-4.20	31-13	Q25		374,4572	-2.61	34-17	P15
364,2040	-6.26	29-11	P 6		367,7247	-5.10	30-12	R19		368,7425	-3.05	33-16	P11		373,1889	-4.18	31-13	Q26		374,4814	-1.99	36-20	Q11
364,2085	-1.86	34-18	P27		367,7273	-5.30	30-12	R11		368,7557	-4.71	30-12	Q25		373,2083	-4.73	31-13	P16		374,4999	-2.07	36-20	R17
364,2306	-3.19	32-15	P17		367,7382	-5.34	30-12	R10		368,7808	-2.48	33-16	Q18		373,2653	-4.16	31-13	Q27		374,5323	-2.50	36-20	P 8
364,2355	-5.42	29-11	Q17		367,7397	-5.06	30-12	R20		368,8119	-5.27	30-12	P15		373,2879	-4.70	31-13	P17		374,5344	-2.10	34-17	Q22
364,2419	-5.44	29-11	Q16		367,7512	-5.38	30-12	R 9		368,8192	-3.01	33-16	P12		373,3112	-2.80	34-17	R 7		374,5544	-2.58	34-17	P16
364,2541	-6.18	29-11	P 7		367,7533	-5.06	30-12	R21		368,8251	-4.69	30-12	Q26		373,3113	-2.71	34-17	R 9		374,5576	-1.95	36-20	Q12
364,2692	-2.68	32-15	Q25		367,7664	-5.42	30-12	R 8		368,8522	-2.46	33-16	Q19		373,3115	-2.75	34-17	R 8		374,5855	-2.05	36-20	R18
364,2815	-5.39	29-11	Q18		367,7699	-5.04	30-12	R22		368,8584	-4.68	30-12	Q27		373,3130	-2.85	34-17	R 6		374,6189	-2.44	36-20	P 9
364,3060	-6.12	29-11	P 8		367,7835	-5.02	30-12	R23		368,8839	-5.24	30-12	P16		373,3225	-2.91	34-17	R 5		374,6333	-2.08	34-17	Q23
364,3228	-3.16	32-15	P18		367,7845	-5.46	30-12	R 7		368,9019	-2.97	33-16	P13		373,3251	-2.67	34-17	R10		374,6398	-1.92	36-20	Q13
364,3231	-5.37	29-11	Q19		367,7989	-5.00	30-12	R24		368,9295	-2.44	33-16	Q20		373,3328	-2.97	34-17	R 4		374,6616	-2.55	34-17	P17
364,3395	-6.06	29-11	P 9		367,8038	-5.51	30-12	R 6		368,9406	-4.66	30-12	Q28		373,3399	-2.64	34-17	R11		374,6796	-2.02	36-20	R19
364,3652	-5.35	29-11	Q20		367,8258	-5.57	30-12	R 5		368,9578	-5.21	30-12	P17		373,3490	-3.05	34-17	R 3		374,7121	-2.39	36-20	P10
364,3813	-1.85	34-18	P28		367,8276	-4.99	30-12	R25		368,9882	-2.94	33-16	P14		373,3575	-2.61	34-17	R12		374,7289	-1.88	36-20	Q14
364,4077	-5.33	29-11	Q21		367,8466	-4.97	30-12	R26		369,0102	-2.42	33-16	Q12		373,3671	-3.15	34-17	R 2		374,7414	-2.06	34-17	Q24
364,4145	-6.01	29-11	P10		367,8508	-5.64	30-12	R 4		369,0149	-4.65	30-12	Q29		373,3700	-3.67	31-13	P18		374,7707	-2.52	34-17	P18
364,4212	-3.14	32-15	P19		367,8768	-5.72	30-12	R 3		369,0253	-5.19	30-12	P18		373,3813	-2.58	34-17	R13		374,8112	-2.35	36-20	P11
364,4537	-5.31	29-11	Q22		367,8847	-5.92	30-12	R27		369,0780	-2.90	33-16	P15		373,3958	-3.27	34-17	R 1		374,8246	-1.86	36-20	P15
364,4723	-5.96	29-11	P11		367,9055	-5.82	30-12	R2		369,0971	-2.40	33-16	Q22		373,4042	-2.55	34-17	R14		374,8490	-2.04	34-17	Q25
364,5019	-5.29	29-11	Q23		367,9215	-5.92	30-12	R28		369,1127	-5.16	30-12	P12		373,4224	-3.45	34-17	R 0		374,8874	-2.50	34-17	P19
364,5106	-3.64	37-23	R 1		367,9366	-5.94	30-12	R 1		369,1711	-2.87	33-16	P16		373,4371	-2.52	34-17	R15		374,9170	-2.31	36-20	P12
364,5159	-3.52	37-23	R 2		367,9706	-6.12	30-12	R 0		369,1863	-2.38	33-16	Q23		373,4550	-4.65	31-13	P19		374,9272	-1.83	36-20	Q16
364,5209	-5.92	29-11	P12		367,9757	-3.05	33-16	R 8		369,1960	-5.14	30-12	P20		373,4594	-3.27	34-17	O 1		374,9656	-2.03	34-17	Q26
364,5209	-3.34	37-23	R 4		367,9758	-3.01	33-16	R 9		369,2688	-2.85	33-16	P17		373,4700	-3.05	34-17	Q 2		375,0093	-2.47	34-17	P20
364,5227	-3.11	32-15	P20		367,9777	-5.10	33-16	R 7		369,2677	-5.12	30-12	P21		373,4719	-2.50	34-17	R16		375,0297	-2.27	36-20	P13
364,5233	-3.82	37-23	R 0		367,9793	-2.97	33-16	R 16		369,2816	-2.36	33-16	Q24		373,4783	-2.91	34-17	Q 3		375,0354	-1.80	36-20	Q17
364,5388	-3.42	37-23	R 3		367,9836	-3.15	33-16	R 6		369,3672	-5.10	30-12	P22		373,4973	-2.80	34-17	Q 4		375,1293	-2.45	34-17	P21
364,5509	-5.27	29-11	Q24		367,9891	-2.98	33-16	R11		369,3704	-2.82	33-16	P18		373,5143	-2.47	34-17	R17		375,1483	-2.23	36-20	P14
364,5572	-3.64	37-23	Q 1		367,9935	-3.20	33-16	R 5		369,4564	-5.08	30-12	P23		373,5182	-2.71	34-17	Q 5		375,1527	-1.78	36-20	Q18
364,5571	-3.27	37-23	R 5		368,0022	-2.90	33-16	R12		369,4758	-2.79	33-16	Q19		373,5330	-3.75	34-17	P 2		375,2574	-2.43	34-17	P22
364,5785	-3.42	37-23	Q 2		368,0066	-3.27	33-16	R 4		369,5048	-5.06	30-12	P24		373,5419	-4.63	31-13	P20		375,2739	-2.20	36-20	P15
364,5915	-5.88	29-11	P13		368,0085	-5.94	30-12	Q 1		369,5839	-2.77	33-16	P20		373,5449	-2.64	34-17	Q 6		375,2747	-1.76	36-20	P19
364,6038	-5.26	29-11	Q25		368,0123	-5.17	30-12	R 2		369,6374	-5.04	30-12	P25		373,5619	-2.45	34-17	P23		375,3417	-2.34	36-20	Q23
364,6177	-3.27	37-23	Q 3		368,0193	-2.87	33-16	R13		369,6679	-2.75	33-16	P21		373,5725	-2.58	34-17	Q 7		375,4052	-1.73	36-20	Q20
364,6212	-3.22	37-23	R 6		368,0191	-5.57	30-12	R 3		369,7281	-5.02	30-12	P22		373,5813	-3.45	34-17	P 3		375,4061	-2.17	36-20	P16
364,6252	-4.12	37-23	P 2		368,0530	-5.30	30-12	Q 6		370,1522	-4.96	30-12	P30		373,6819	-2.43	34-17	O 10		375,4970	-2.39	34-17	P27
364,6714	-5.22	29-11	Q27		368,0704	-3.57	33-16	R 1		370,1969	-2.67	33-16	P25		373,6828	-3.15	34-17	P 5		376,0026	-2.07	36-20	P20
364,6741	-2.89	37-23	Q 8		368,1078	-5.94	30-12	R 8		372,0239	-4.76	31-13	R 12		373,7327	-2.39	34-17	Q 11		376,5896	-4.25	32-14	R13
364,7336	-3.12	37-23	R 8		368,0874	-5.19	30-12	R 8		372,0247	-4.67	31-13	R15		373,7408	-3.05	34-17	P 6		376,5899	-4.31	32-14	R11
364,7375	-3.07	32-15	P22		368,0922	-2.79	33-16	R16		372,0284	-4.67	31-13	R11		373,7812	-2.37	34-17	R22		376,5925	-4.35	32-14	R10
364,7536	-3.64	37-23	P 4		368,0999	-3.75	33-16	R 0		372,1353	-5.13	31-13	R 4		373,8966	-2.29	34-17	Q14		376,6244	-4.15	32-14	R17
364,7808	-3.01	37-23	R11		368,2004	-2.73	33-16	R19		372,1465	-4.51	31-13	R23		373,9885	-2.45	34-17	R 7		376,6406	-4.12		

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ				
377,3750	-3.83	32-14	Q19		381,2854	-3.12	37-21	R 3		382,4033	-3.90	33-15	P13		385,2208	-6.47	30-11	P26		387,9120	-6.79	31-12	P 4
377,4143	-4.42	32-14	P11		381,2855	-3.01	37-21	R 4		382,4264	-2.74	37-21	P13		385,3075	-6.45	30-11	P27		387,9143	-5.84	31-12	Q13
377,4373	-3.81	32-14	Q20		381,2927	-3.21	37-21	R 2		382,4728	-3.32	33-15	Q22		385,3986	-6.44	30-11	P28		387,9424	-5.80	31-12	L14
377,4835	-4.38	32-14	P12		381,2928	-2.97	37-21	R 5		382,4903	-3.86	33-15	P14		386,5882	-3.48	34-16	R10		387,9603	-3.36	34-16	P17
377,4976	-3.79	32-14	Q21		381,3075	-3.34	37-21	R 1		382,5100	-2.27	37-21	Q17		386,5895	-3.52	34-16	R 9		387,9617	-6.66	31-12	P 5
377,5584	-4.35	32-14	P13		381,3079	-2.91	37-21	R 6		382,5493	-3.30	33-15	Q23		386,5933	-3.45	34-16	R11		387,9724	-5.78	31-12	Q15
377,5663	-3.77	32-14	Q22		381,3272	-3.52	37-21	R 0		382,5614	-2.70	37-21	P14		386,5941	-3.58	34-16	R 8		388,0040	-5.75	31-12	Q16
377,6265	-3.75	32-14	Q23		381,3292	-2.88	37-21	R 7		382,5759	-3.83	33-15	P15		386,6005	-3.61	34-16	R 7		388,0138	-6.57	31-12	P 6
377,6340	-4.31	32-14	P14		381,3581	-2.82	37-21	R 8		382,6288	-3.29	33-15	Q24		386,6016	-3.42	34-16	R12		388,0389	-5.72	31-12	Q17
377,6993	-3.73	32-14	Q24		381,3644	-3.34	37-21	O 1		382,6480	-2.25	37-21	Q18		386,6106	-3.66	34-16	R 6		388,0630	-3.33	34-16	P18
377,7129	-4.28	32-14	P15		381,3818	-3.12	37-21	Q 2		382,6645	-3.80	33-15	P16		386,6134	-3.39	34-16	R13		388,0665	-6.49	31-12	P 7
377,7739	-3.72	32-14	Q25		381,3972	-2.97	37-21	R 9		382,7043	-2.67	37-21	P15		386,6246	-3.72	34-16	R 5		388,0734	-5.70	31-12	Q18
377,7948	-4.25	32-14	P16		381,4041	-2.97	37-21	D 3		382,7116	-3.27	33-15	Q25		386,6281	-3.38	34-16	R14		388,1137	-5.68	31-12	Q19
377,8517	-3.70	32-14	Q26		381,4201	-2.15	35-18	P24		382,7566	-3.77	33-15	P17		386,6417	-3.78	34-16	R 4		388,1220	-6.42	31-12	P 8
377,8798	-4.22	32-14	P17		381,4225	-3.86	33-15	R 11		382,7945	-2.23	37-21	Q19		386,6475	-3.33	34-16	R15		388,1507	-5.65	31-12	Q20
377,9319	-3.68	32-14	Q27		381,4310	-3.83	33-15	R12		382,8492	-3.75	33-15	P18		386,6637	-3.86	34-16	R 3		388,1694	-3.31	34-16	P19
377,9677	-4.19	32-14	P18		381,4340	-2.86	37-21	O 4		382,8561	-2.64	37-21	P16		386,6706	-3.31	34-16	R16		388,1799	-6.36	31-12	P 9
378,0086	-3.67	32-14	Q28		381,4379	-3.94	33-15	R 9		382,9482	-3.72	33-15	P19		386,6901	-3.90	34-16	R 2		388,1981	-5.63	31-12	Q21
378,0573	-4.17	32-14	P19		381,4382	-3.80	33-15	R13		382,9502	-2.20	37-21	Q20		386,6975	-3.28	34-16	R17		388,2387	-6.31	31-12	P10
378,0591	-3.65	32-14	Q29		381,4387	-3.82	37-21	P 2		383,0144	-2.61	37-21	P17		386,7168	-4.09	34-16	R 1		388,2434	-5.61	31-12	Q22
378,1509	-4.15	32-14	P20		381,4409	-3.90	33-15	R10		383,0500	-3.70	33-15	P20		386,7268	-3.26	34-16	R18		388,2783	-3.28	34-16	P20
378,1812	-3.64	32-14	Q30		381,4433	-3.98	33-15	R 8		383,1193	-6.51	30-11	R21		386,7499	-4.26	34-16	R 0		388,2914	-5.59	31-12	Q23
378,2520	-4.12	32-14	P21		381,4434	-3.74	37-21	R11		383,1203	-6.53	30-11	R20		386,7620	-3.24	34-16	R19		388,3002	-6.27	31-12	P11
378,3511	-4.10	32-14	P22		381,4484	-3.77	33-15	R14		383,1203	-6.49	30-11	R22		386,7879	-4.09	34-16	Q 1		388,3406	-5.58	31-12	G24
378,4587	-4.08	32-14	P23		381,4516	-4.02	33-15	R 7		383,1217	-6.47	30-11	R23		386,7963	-3.86	34-16	O 2		388,3635	-6.23	31-12	P12
378,5577	-4.06	32-14	P24		381,4612	-4.07	33-15	R 6		383,1246	-6.55	30-11	R19		386,8005	-3.22	34-16	R20		388,3931	-3.26	34-16	P21
378,6693	-4.04	32-14	Q25		381,4620	-3.75	33-15	R15		383,1270	-6.45	30-11	R24		386,8094	-3.72	34-16	Q 3		388,3960	-5.56	31-12	Q29
378,7827	-4.03	32-14	P26		381,4712	-3.77	37-21	D 5		383,1289	-6.57	30-11	R18		386,8228	-3.61	34-16	O 4		388,4286	-6.19	31-12	P13
378,8994	-4.01	32-14	P27		381,4762	-3.72	33-15	R 5		383,1320	-6.44	30-11	R25		386,8405	-3.52	34-16	O 5		388,4592	-5.54	31-12	Q26
379,0184	-3.99	32-14	P28		381,4933	-3.52	37-21	P 3		383,1324	-6.61	30-11	R16		386,8452	-3.20	34-16	R21		388,4773	-5.53	31-12	Q27
379,0463	-2.61	35-18	R 6		381,4961	-2.70	37-21	R11		383,1334	-6.59	30-11	R17		386,8632	-3.45	34-16	O 6		388,4963	-6.15	31-12	P14
379,0478	-2.55	35-18	R 7		381,4966	-3.70	33-15	R17		383,1415	-6.42	30-11	R26		386,8862	-4.56	34-16	P 2		388,5111	-3.24	34-16	P22
379,0497	-2.66	35-18	R 5		381,4995	-4.13	33-15	R 5		383,1556	-3.68	33-15	P21		386,8889	-3.39	34-16	O 7		388,5585	-5.51	31-12	Q28
379,0507	-2.51	35-18	R 8		381,5104	-4.20	33-15	R 4		383,1818	-2.59	37-21	P18		386,8891	-3.19	34-16	R22		388,5660	-6.12	31-12	P15
379,0564	-2.73	35-18	R 4		381,5157	-2.70	37-21	Q 6		383,1857	-6.66	30-11	R14		386,9157	-4.26	34-16	P 3		388,6255	-5.50	31-12	Q29
379,0602	-2.81	35-18	R 3		381,5202	-3.68	33-15	R18		383,1890	-6.64	30-11	R15		386,9184	-3.33	34-16	Q 8		388,6355	-3.22	34-16	P23
379,0615	-2.47	35-18	R 9		381,5286	-4.28	33-15	R 3		383,1968	-6.69	30-11	R13		386,9450	-3.16	34-16	R23		388,6375	-6.09	31-12	P16
379,0765	-2.43	35-18	R10		381,5473	-3.65	33-15	R 9		383,2140	-6.72	30-11	R12		386,9518	-3.28	34-16	O 9		388,7106	-6.06	31-12	P17
379,0951	-2.39	35-18	R11		381,5528	-3.34	37-21	P 4		383,2287	-6.75	30-11	R11		386,9686	-4.09	34-16	P 4		388,7618	-3.20	34-16	P24
379,1015	-2.91	35-18	R 2		381,5564	-2.67	37-21	R12		383,2387	-6.79	30-11	R10		386,9869	-3.24	34-16	O 10		388,7871	-6.04	31-12	P18
379,1222	-2.36	35-18	R12		381,5566	-4.37	33-15	R 2		383,2652	-3.65	33-15	P22		387,0217	-3.96	34-16	P 5		388,8631	-6.01	31-12	P19
379,1228	-3.03	35-18	R 1		381,5680	-2.64	37-21	Q 7		383,2736	-6.83	30-11	R 9		387,0254	-3.20	34-16	Q11		388,8944	-3.18	34-16	P25
379,1338	-3.98	32-14	P29		381,5786	-3.63	33-15	R20		383,2973	-6.87	30-11	R 8		387,0701	-3.16	34-16	O 12		388,9449	-5.99	31-12	P20
379,1509	-3.21	35-18	R 0		381,5797	-2.13	35-18	P2		383,3023	-3.65	33-15	R11		387,0793	-3.86	34-16	P 6		389,0235	-5.97	31-12	P21
379,1519	-2.33	35-18	R13		381,5831	-4.50	33-15	R 1		383,4350	-6.31	33-15	P24		387,1181	-3.13	34-16	O 13		389,1123	-5.94	31-12	P22
379,1867	-2.30	35-18	R14		381,6118	-3.61	33-15	R21		383,3575	-2.56	37-21	P19		387,1418	-3.78	34-16	P 7		389,1991	-5.92	31-12	P23
379,1887	-3.03	35-18	Q 1		381,6138	-4.68	33-15	R 3		383,5417	-2.54	37-21	P20		387,1696	-3.10	34-16	Q14		389,2886	-5.90	31-12	P24
379,1982	-2.81	35-18	O 2		381,6199	-3.21	37-21	P 5		383,5798	-7.02	30-11	R 5		387,2074	-3.72	34-16	P 8		389,3741	-5.89	31-12	P25
379,2111	-2.55	35-18	Q 4		381,6245	-2.64	37-21	R 3		383,6100	-7.75	30-11	R 4		387,2240	-3.07	34-16	O 15		389,4611	-5.87	31-12	P26
379,2146	-2.66	35-18	O 3		381,6247	-2.59	37-21	Q 8		383,6449	-7.17	30-11	R 2		387,2283	-3.04	34-16	O 16		389,6522	-5.84	31-12	P28
3																							

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
392,1954	-3.58	35-17	R 2	393,0036	-2.62	35-17	Q 18	397,2542	-5.25	33-14	P 9	400,2404	-2.53	36-18	P 22	407,0654	-4.20	35-16	Q 4	392,1954	-3.58	35-17	R 2	393,0036
392,2008	-5.46	32-13	Q 8	393,0094	-2.27	37-20	P 11	397,2785	-4.56	33-14	Q 19	400,3898	-2.51	36-18	P 23	407,0822	-4.11	35-16	Q 5	392,2008	-5.46	32-13	Q 8	393,0094
392,2036	-6.69	32-13	P 7	393,0504	-3.14	35-17	P 12	397,3209	-5.20	33-14	P 10	400,5377	-2.49	36-18	P 24	407,1038	-4.04	35-16	Q 6	392,2036	-6.69	32-13	P 7	393,0504
392,2101	-2.95	35-17	R 15	393,0657	-5.52	32-13	P 16	397,3365	-4.54	33-14	Q 20	400,6997	-2.47	36-18	P 25	407,1209	-5.16	35-16	P 2	392,2101	-2.95	35-17	R 15	393,0657
392,2145	-2.19	37-20	R 10	393,0867	-2.59	35-17	Q 19	397,3901	-5.15	33-14	P 11	400,8691	-2.45	36-18	P 26	407,1283	-3.98	35-16	Q 7	392,2145	-2.19	37-20	R 10	393,0867
392,2224	-5.42	32-13	Q 9	393,0993	-1.75	37-20	D 16	397,3918	-4.52	33-14	Q 21	401,0367	-2.44	36-18	P 27	407,1564	-3.93	35-16	Q 8	392,2224	-5.42	32-13	Q 9	393,0993
392,2283	-3.71	35-17	R 1	393,1193	-2.23	37-20	P 12	397,4559	-4.50	33-14	Q 22	401,2149	-2.42	36-18	P 28	407,1706	-4.85	35-16	P 3	392,2283	-3.71	35-17	R 1	393,1193
392,2330	-2.79	37-20	Q 1	393,1411	-3.11	35-17	P 13	397,4603	-5.11	33-14	P 12	401,4467	-4.53	34-15	R 11	407,1881	-3.88	35-16	Q 9	392,2330	-2.79	37-20	Q 1	393,1411
392,2400	-2.93	35-17	R 16	393,1448	-5.49	32-13	P 17	397,5099	-4.48	33-14	Q 23	401,4499	-4.49	34-15	R 12	407,2213	-3.83	35-16	Q 10	392,2400	-2.93	35-17	R 16	393,1448
392,2449	-2.57	37-20	Q 2	393,1672	-2.57	35-17	Q 20	397,5362	-5.07	33-14	P 13	401,4500	-4.46	34-15	R 13	407,2269	-4.68	35-16	P 4	392,2449	-2.57	37-20	Q 2	393,1672
392,2449	-5.37	32-13	Q 10	393,2091	-1.73	37-20	D 17	397,5773	-4.46	33-14	Q 24	401,4535	-4.43	34-15	R 14	407,2575	-3.79	35-16	Q 11	392,2449	-5.37	32-13	Q 10	393,2091
392,2492	-6.39	32-13	P 3	393,2262	-5.46	32-13	P 18	397,6122	-5.04	33-14	P 14	401,4602	-4.41	34-15	R 15	407,2829	-4.55	35-16	P 5	392,2492	-6.39	32-13	P 3	393,2262
392,2525	-2.16	37-20	R 11	393,2335	-3.07	35-17	P 14	397,6643	-4.44	33-14	Q 25	401,4669	-4.38	34-15	R 16	407,3001	-3.76	35-16	Q 12	392,2525	-2.16	37-20	R 11	393,2335
392,2581	-3.88	35-17	R 0	393,2362	-2.19	37-20	P 13	397,6915	-5.01	33-14	P 15	401,4732	-4.56	34-15	R 10	407,3432	-4.46	35-16	P 6	392,2581	-3.88	35-17	R 0	393,2362
392,2640	-2.43	37-20	Q 3	393,2560	-2.55	35-17	Q 21	397,7181	-4.43	33-14	Q 26	401,4755	-4.60	34-15	R 9	407,3457	-3.72	35-16	Q 13	392,2640	-2.43	37-20	Q 3	393,2560
392,2703	-5.33	32-13	Q 11	393,3103	-5.44	32-13	P 19	397,7735	-4.98	33-14	P 16	401,4802	-4.36	34-15	R 17	407,3946	-3.69	35-16	P 14	392,2703	-5.33	32-13	Q 11	393,3103
392,2776	-2.91	35-17	R 17	393,3285	-1.70	37-20	P 18	397,7921	-4.41	33-14	Q 27	401,4868	-4.64	34-15	R 8	407,4084	-4.38	35-16	P 7	392,2776	-2.91	35-17	R 17	393,3285
392,2877	-2.32	37-20	Q 4	393,3356	-3.04	35-17	P 15	397,8583	-4.95	33-14	P 17	401,4960	-4.34	34-15	R 18	407,4462	-3.66	35-16	Q 15	392,2877	-2.32	37-20	Q 4	393,3356
392,2966	-2.12	37-20	R 12	393,3492	-2.53	35-17	P 22	397,8616	-4.40	33-14	P 28	401,5002	-4.68	34-15	R 7	407,4764	-4.31	35-16	P 8	392,2966	-2.12	37-20	R 12	393,3492
392,2971	-5.30	32-13	Q 17	393,3591	-2.16	37-20	P 14	397,9414	-4.38	33-14	Q 29	401,5148	-4.74	34-15	R 6	407,5024	-3.64	35-16	P 16	392,2971	-5.30	32-13	Q 17	393,3591
392,2985	-3.71	35-17	Q 1	393,3595	-5.42	32-13	P 20	397,9458	-4.92	33-14	P 18	401,5154	-4.32	34-15	R 19	407,5480	-4.25	35-16	P 9	392,2985	-3.71	35-17	Q 1	393,3595
392,2995	-6.22	32-13	P 4	393,4342	-3.01	35-17	P 16	398,0203	-4.37	33-14	Q 30	401,5388	-4.30	34-15	R 20	407,5621	-3.61	35-16	Q 17	392,2995	-6.22	32-13	P 4	393,4342
392,3090	-3.49	35-17	Q 2	393,4458	-2.51	35-17	Q 23	398,0347	-4.90	33-14	P 19	401,5605	-4.79	34-15	R 5	407,6232	-4.20	35-16	P 10	392,3090	-3.49	35-17	Q 2	393,4458
392,3117	-3.27	37-20	P 2	393,4523	-1.68	37-20	P 19	398,0710	-2.85	36-18	R 8	401,5636	-4.28	34-15	R 21	407,6253	-3.59	35-16	Q 18	392,3117	-3.27	37-20	P 2	393,4523
392,3166	-3.34	35-17	Q 3	393,4851	-5.39	32-13	P 21	398,0722	-2.90	36-18	R 7	401,5754	-4.86	34-15	R 4	407,6697	-3.56	35-16	P 19	392,3166	-3.34	35-17	Q 3	393,4851
392,3205	-2.88	35-17	R 18	393,4891	-2.12	37-20	P 15	398,0744	-2.95	36-18	R 6	401,5928	-4.26	34-15	R 22	407,6999	-4.16	35-16	P 11	392,3205	-2.88	35-17	R 18	393,4891
392,3215	-2.23	37-20	Q 5	393,5433	-2.98	35-17	P 17	398,0780	-2.81	36-18	R 9	401,5978	-4.94	34-15	R 3	407,7619	-3.54	35-16	P 20	392,3215	-2.23	37-20	Q 5	393,5433
392,3275	-5.26	32-13	Q 13	393,5521	-2.51	35-17	P 24	398,0814	-3.01	36-18	R 5	401,6248	-4.24	34-15	R 23	407,7797	-4.11	35-16	P 12	392,3275	-5.26	32-13	Q 13	393,5521
392,3354	-3.23	35-17	O 4	393,5576	-5.37	32-13	P 22	398,0890	-2.77	36-18	R 10	401,6305	-5.04	34-15	R 2	407,8363	-3.52	35-16	Q 21	392,3354	-3.23	35-17	O 4	393,5576
392,3477	-2.09	37-20	R 13	393,5850	-1.66	37-20	P 20	398,0916	-3.07	36-18	R 4	401,6598	-4.22	34-15	R 24	407,b659	-4.08	35-16	P 13	392,3477	-2.09	37-20	R 13	393,5850
392,3507	-6.09	32-13	P 5	393,6259	-2.09	37-20	P 16	398,0980	-3.15	36-18	R 3	401,6611	-5.16	34-15	R 1	407,9169	-3.50	35-16	P 22	392,3507	-6.09	32-13	P 5	393,6259
392,3558	-3.14	35-17	Q 5	393,6540	-2.95	35-17	P 18	398,1034	-2.74	36-18	R 11	401,6956	-5.34	34-15	R 0	407,9551	-4.04	35-16	P 14	392,3558	-3.14	35-17	Q 5	393,6540
392,3579	-5.23	32-13	Q 14	393,6574	-2.48	35-17	Q 25	398,1267	-2.71	36-18	R 12	401,7385	-5.16	34-15	Q 1	407,9992	-3.48	35-16	Q 23	392,3579	-5.23	32-13	Q 14	393,6574
392,3592	-2.16	37-20	Q 6	393,6642	-5.35	32-13	P 23	398,1274	-4.87	33-14	P 20	401,7469	-4.94	34-15	Q 2	408,0476	-4.01	35-16	P 15	392,3592	-2.16	37-20	Q 6	393,6642
392,3607	-2.86	35-17	R 19	393,6742	-5.33	32-13	P 24	398,1422	-3.25	36-18	R 2	401,7592	-4.79	34-15	Q 3	408,0473	-3.47	35-16	G 24	392,3607	-2.86	35-17	R 19	393,6742
392,3628	-2.97	37-20	P 3	393,6962	-2.07	37-20	P 10	398,1526	-2.68	36-18	R 13	401,7694	-4.68	34-15	O 4	408,1427	-3.98	35-16	P 16	392,3628	-2.97	37-20	P 3	393,6962
392,3792	-4.19	35-17	P 2	393,7719	-2.46	35-17	Q 26	398,1698	-3.38	36-18	R 1	401,7852	-4.60	34-15	Q 5	408,2425	-3.95	35-16	P 17	392,3792	-4.19	35-17	P 2	393,7719
392,4092	-2.84	35-17	R 20	394,0616	-5.28	32-13	P 27	398,2606	-2.63	36-18	R 16	401,8072	-4.53	34-15	P 6	408,3458	-3.93	35-16	P 18	392,4092	-2.84	35-17	R 20	394,0616
392,4212	-2.79	37-20	P 4	394,0781	-2.02	37-20	P 20	398,2622	-2.90	36-18	R 4	401,9295	-4.28	34-15	Q 11	408,6948	-4.78	32-12	R 23	392,4212	-2.79	37-20	P 4	394,0781
392,4302	-3.88	35-17	P 3	394,1467	-2.86	35-17	P 22	398,2683	-3.01	36-18	P 3	401,9309	-5.16	34-15	P 4	408,7012	-6.71	32-12	R 27	392,4302	-3.88	35-17	P 3	394,1467
392,4311	-5.18	32-13	Q 16	394,1737	-5.26	32-13	P 28	398,2752	-2.81	36-18	P 5	401,9688	-4.24	34-15	Q 12	408,7669	-4.92	32-12	R 16	392,4311	-5.18	32-13	Q 16	394,1737
392,4433	-2.95	35-17	O 8	394,2417	-1.99	37-20	P 20	398,3054	-2.57	36-18	R 17	401,9841	-5.04	34-15	P 5	408,7100	-6.81	32-12	K 21	392,4433	-2.95	35		

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
409,8937	-6.45	32-12	Q26		413,7196	-7.25	33-13	R 0		418,5975	-5.77	34-14	Q 7		420,1659	-2.62	37-18	Q23	
409,8980	-6.43	32-12	Q27		413,7412	-3.05	36-17	Q22		418,6159	-5.71	34-14	Q 8		420,2043	-5.60	34-14	P23	
409,9467	-7.13	32-12	P12		413,7657	-7.07	33-13	Q 1		418,6297	-6.95	34-14	P 2		420,2704	-3.08	37-18	P17	
409,9720	-6.42	32-12	Q28		413,7685	-6.85	33-13	O 2		418,6374	-5.67	34-14	Q 9		420,2845	-2.60	37-18	Q24	
410,0117	-7.09	32-12	P13		413,7760	-6.70	33-13	O 3		418,6610	-5.62	34-14	Q10		420,2968	-5.58	34-14	P24	
410,0297	-6.40	32-12	Q29		413,7839	-6.59	33-13	Q 4		418,6782	-3.29	37-18	R 8		420,3965	-3.06	37-18	P18	
410,0790	-7.06	32-12	P14		413,7940	-6.51	33-13	Q 5		418,6802	-3.25	37-18	R 9		420,4036	-5.57	34-14	P25	
410,1478	-7.03	32-12	P15		413,8052	-5.58	36-17	P15		418,6839	-6.64	34-14	P 3		420,4105	-2.58	37-18	Q25	
410,2181	-7.00	32-12	P16		413,8055	-6.43	33-13	O 6		418,6843	-3.33	37-18	R 7		420,5114	-5.55	34-14	P26	
410,2896	-6.97	32-12	P17		413,8199	-6.37	33-13	Q 7		418,6851	-5.58	34-14	Q11		420,5254	-3.03	37-18	P19	
410,3663	-6.94	32-12	P18		413,8344	-3.03	36-17	O23		418,6864	-3.21	37-18	R10		420,5341	-2.56	37-18	Q26	
410,4378	-6.92	32-12	P19		413,8352	-6.32	33-13	Q 8		418,6910	-3.39	37-18	R 6		420,6219	-5.53	34-14	P27	
410,5172	-6.90	32-12	P20		413,8538	-6.27	33-13	Q 9		418,6957	-3.17	37-18	R11		420,6558	-3.01	37-18	P20	
410,5924	-6.87	32-12	P21		413,8579	-7.55	33-13	P 2		418,7025	-3.44	37-18	R 5		420,6686	-2.55	37-18	Q27	
410,6785	-6.85	32-12	P22		413,8729	-6.22	33-13	O10		418,7142	-3.14	37-18	R12		420,7341	-5.51	34-14	P28	
410,7617	-6.83	32-12	P23		413,8947	-6.18	33-13	O11		418,7150	-5.55	34-14	O12		420,7992	-2.99	37-18	P21	
410,8472	-6.81	32-12	P24		413,9049	-3.53	36-17	P16		418,7167	-3.51	37-18	R 4		420,8406	-5.50	34-14	P29	
410,9278	-6.79	32-12	P25		413,9069	-7.25	33-13	P 3		418,7263	-3.59	37-18	R 3		420,9450	-2.97	37-18	P22	
411,0094	-6.78	32-12	P26		413,9173	-6.15	33-13	O12		418,7347	-3.11	37-18	R13		420,9579	-5.48	34-14	P30	
411,1063	-6.76	32-12	P27		413,9377	-3.01	36-17	O24		418,7376	-6.47	34-14	P 4		421,0736	-5.47	34-14	P31	
411,1899	-6.74	32-12	P28		413,9434	-6.12	33-13	O13		418,7445	-5.51	34-14	O13		421,0959	-2.95	37-18	P23	
411,2956	-6.73	32-12	P29		413,9605	-7.07	33-13	P 4		418,7600	-3.08	37-18	R14		421,2449	-2.93	37-18	P24	
411,3391	-6.71	32-12	P30		413,9690	-6.08	33-13	O14		418,7769	-5.48	34-14	O14		421,4084	-2.91	37-18	P25	
412,4950	-3.66	36-17	R 9		414,0002	-6.06	33-13	O15		418,7803	-3.69	37-18	R 2		421,5799	-2.89	37-18	P26	
412,5000	-3.62	36-17	R10		414,0146	-6.94	33-13	P 5		418,7906	-3.06	37-18	R15		421,7486	-2.87	37-18	P27	
412,5044	-3.59	36-17	R11		414,0155	-3.50	36-17	P17		418,7912	-6.34	34-14	P 5		421,9283	-2.86	37-18	P28	
412,5059	-3.70	36-17	R 8		414,0319	-6.03	33-13	Q16		418,8088	-3.81	37-18	R 1		423,2360	-5.11	35-15	R16	
412,5124	-3.56	36-17	R12		414,0392	-3.00	36-17	Q25		418,8117	-5.45	34-14	O15		423,2385	-5.14	35-15	R15	
412,5150	-3.75	36-17	R 7		414,0656	-6.00	33-13	O17		418,8269	-3.03	37-18	R16		423,2402	-5.09	35-15	R17	
412,5255	-3.80	36-17	R 6		414,0709	-6.85	33-13	P 6		418,8443	-3.99	37-18	R 0		423,2404	-5.17	35-15	R14	
412,5260	-3.53	36-17	R13		414,1018	-5.98	33-13	O18		418,8490	-6.25	34-14	P 6		423,2452	-5.19	35-15	R13	
412,5374	-3.50	36-17	R14		414,1273	-3.47	36-17	P18		418,8491	-5.43	34-14	O16		423,2466	-5.07	35-15	R18	
412,5441	-3.86	36-17	R 5		414,1285	-6.77	33-13	P 7		418,8661	-3.01	37-18	R17		423,2526	-5.22	35-15	R12	
412,5598	-3.47	36-17	R15		414,1390	-5.96	33-13	O19		418,8888	-5.40	34-14	Q17		423,2563	-5.05	35-15	R19	
412,5627	-3.93	36-17	R16		414,1504	-2.98	36-17	O26		418,8891	-3.81	37-18	O 1		423,2571	-5.26	35-15	R11	
412,5834	-3.45	36-17	R16		414,1797	-5.93	33-13	O20		418,8984	-3.59	37-18	Q 2		423,2698	-5.03	35-15	R20	
412,5871	-6.00	36-17	R 3		414,1891	-6.70	33-13	P 8		418,9055	-3.33	37-18	O 4		423,2845	-5.01	35-15	R21	
412,6128	-6.10	36-17	R 2		414,2224	-5.91	33-13	Q21		418,9067	-2.99	37-18	R18		423,2934	-5.29	35-15	R10	
412,6150	-3.43	36-17	R17		414,2471	-3.45	36-17	P19		418,9092	-6.17	34-14	P 7		423,3022	-5.33	35-15	R 9	
412,6503	-4.23	36-17	R17		414,2505	-6.64	33-13	P 9		418,9147	-3.44	37-18	Q 3		423,3030	-4.99	35-15	R22	
412,6651	-3.40	36-17	R18		414,2601	-5.89	33-13	O22		418,9295	-5.38	34-14	Q18		423,3201	-5.37	35-15	R 8	
412,6839	-6.40	36-17	R 0		414,3109	-5.87	33-13	O23		418,9407	-3.25	37-18	O 5		423,3242	-4.97	35-15	R23	
412,6850	-3.38	36-17	R19		414,3153	-6.59	33-13	P10		418,9603	-2.97	37-18	R19		423,3403	-5.42	35-15	R11	
412,7267	-3.63	36-17	R20		414,3621	-5.86	33-13	O24		418,9703	-6.10	34-14	P 8		423,3481	-4.95	35-15	R24	
412,7280	-4.23	36-17	O 1		414,3721	-3.43	36-17	P20		418,9713	-3.17	37-18	O 6		423,3606	-5.47	35-15	R 6	
412,7385	-4.00	36-17	O 2		414,3805	-6.55	33-13	P11		418,9738	-5.35	34-14	Q19		423,4154	-5.52	35-15	R 5	
412,7450	-3.86	36-17	R 1		414,4169	-5.84	33-13	Q25		418,9788	-4.29	37-18	P 2		423,4251	-5.59	35-15	R 4	
412,7635	-3.75	36-17	R 4		414,4484	-6.51	33-13	P12		419,0046	-3.11	37-18	R 7		423,4625	-5.67	35-15	R 3	
412,7729	-3.34	36-17	R21		414,4572	-5.82	33-13	O26		419,0162	-2.95	37-18	R20		423,5007	-5.77	35-15	R 2	
412,7831	-3.66	36-17	O 5		414,4936	-3.40	36-17	P21		419,0262	-5.33	34-14	Q20		423,5359	-5.89	35-15	R 1	
412,8086	-3.59	36-17	R23		414,5172	-6.47	33-13	P13		419,0329	-3.99	37-18	P 3		423,5750	-6.07	35-15	R 0	
412,8162	-6.70	36-17	P 2		414,5191	-5.81	33-13	O27		419,0354	-6.04	34-14	P 9		423,6221	-5.89	35-15	O 1	
412,8222	-3.32	36-17	R22		414,5894	-6.43	33-13	P14		419,0427	-3.06	37-18	Q 8		423,6301	-5.67	35-15	O 2	
412,8340	-3.53	36-17	O 7		414,6235	-3.38	36-17	P22		419,0748	-5.31	34-14	Q21		423,6419	-5.52	35-15	O 3	
412,8867	-3.47	36-17	R 8		414,6611	-6.40	33-13	P15		419,0773	-2.93	37-18	R21		423,6508	-5.42	35-15	O 4	
412,8708	-4.40	36-17	P 3		414,7384	-6.37	33-13	P16		419,0813	-3.01	37-18	Q 9		423,6652	-5.33	35-15	O 5	
412,8815	-3.31	36-17	R23		414,7579	-3.36	36-17	P23		419,0941	-3.81	37-18	P 4		423,6860	-5.26	35-15	O 6	
412,9025	-3.43	36-17	Q 9		414,8163	-6.34	33-13	P17		419,1035	-5.99	34-14	P10		423,7058	-5.19	35-15	O 7	
412,9215	-4.23	36-17	P 4		414,8954	-3.34	36-17	P24		419,1263	-2.97	37-18	Q 10		423,7163	-6.37	35-15	P 2	
412,9356	-3.38	36-17	Q10		415,3207	-6.20	33-13	P23		419,2104	-2.89	37-18	R23		423,8690	-4.94	35-15	O 13	
413,1176	-3.93	36-17	P 7		415,3445	-3.29	36-17	P27		419,2331	-2.89	37-18	O12		423,8864	-5.77	35-15	P 5	
413,1386	-3.24	36-17</																	

Table 7. (Cont.)

WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ	WAVE	LOGGF	VX	VA	XJ
435.3607	-4.52	37-17	P 7	435.3570	-6.57	35-14	P18	452.9498	-5.85	37-16	R 3	474.4032	-6.31	37-15	O25				
435.3895	-3.80	37-17	Q15	435.6415	-6.55	35-14	P19	452.9925	-5.94	37-16	R 2	474.4439	-7.06	37-15	P10				
435.4328	-4.45	37-17	P 8	443.7292	-6.52	35-14	P20	453.0334	-6.07	37-16	R 1	474.5221	-7.01	37-15	P11				
435.4527	-3.78	37-17	Q16	443.8253	-6.50	35-14	P21	453.0810	-6.24	37-16	R 0	474.6100	-6.97	37-15	P12				
435.5132	-4.39	37-17	P 9	443.9165	-6.48	35-14	P22	453.1334	-6.07	37-16	Q 1	474.6617	-6.93	37-15	P13				
435.5165	-3.75	37-17	Q17	444.0173	-6.46	35-14	P23	453.1383	-5.85	37-16	Q 2	474.7518	-6.90	37-15	P14				
435.5885	-3.73	37-17	Q18	444.1041	-6.44	35-14	P24	453.1498	-5.70	37-16	Q 3	474.8367	-6.87	37-15	P15				
435.5944	-4.34	37-17	P10	444.2061	-6.42	35-14	P25	453.1596	-5.59	37-16	Q 4	474.9231	-6.84	37-15	P16				
435.6656	-3.70	37-17	Q19	444.3087	-6.40	35-14	P26	453.1733	-5.50	37-16	Q 5	475.0116	-6.81	37-15	P17				
435.6730	-4.30	37-17	P11	444.4135	-6.39	35-14	P27	453.1915	-5.43	37-16	Q 6	475.0977	-6.78	37-15	P18				
435.7380	-3.68	37-17	Q20	444.5194	-6.37	35-14	P28	453.2118	-5.37	37-16	Q 7	475.1905	-6.76	37-15	P19				
435.7688	-4.25	37-17	P12	444.6184	-6.36	35-14	P29	453.2352	-5.31	37-16	Q 8	475.2844	-6.73	37-15	P20				
435.8193	-3.66	37-17	Q21	444.7287	-6.34	35-14	P30	453.2383	-6.54	37-16	P 2	475.3809	-6.71	37-15	P21				
435.8630	-4.22	37-17	P13	444.8365	-6.33	35-14	P31	453.2617	-5.27	37-16	Q 9	475.4805	-6.69	37-15	P22				
435.9048	-3.64	37-17	Q22	447.0041	-5.84	36-15	R19	453.2885	-5.22	37-16	Q10	475.5799	-6.67	37-15	P23				
435.9606	-4.18	37-17	P14	447.0053	-5.82	36-15	R20	453.2957	-6.24	37-16	P 3	475.6825	-6.65	37-15	P24				
435.9930	-3.62	37-17	Q23	447.0064	-5.80	36-15	R18	453.3177	-5.18	37-16	Q11	475.7867	-6.63	37-15	P25				
436.0637	-4.15	37-17	P15	447.0070	-5.80	36-15	R21	453.3533	-5.15	37-16	Q12	475.8927	-6.61	37-15	P26				
436.0918	-3.61	37-17	Q24	447.0119	-5.88	36-15	R17	453.3597	-6.07	37-16	P 4								
436.1638	-4.12	37-17	P16	447.0125	-5.78	36-15	R22	453.3912	-5.11	37-16	Q13								
436.1880	-3.59	37-17	Q25	447.0190	-5.91	36-15	R16	453.4220	-5.94	37-16	P 5								
436.2754	-4.09	37-17	P17	447.0201	-5.76	36-15	R23	453.4319	-5.08	37-16	Q14								
436.2942	-3.57	37-17	Q26	447.0301	-5.75	36-15	R24	453.4743	-5.05	37-16	Q15								
436.3676	-4.07	37-17	P18	447.0329	-5.93	36-15	R15	453.4881	-5.85	37-16	P 6								
436.5081	-4.04	37-17	P19	447.0454	-5.96	36-15	R14	453.5210	-5.03	37-16	O16								
436.6337	-4.02	37-17	P20	447.0605	-5.99	36-15	R13	453.5589	-5.77	37-16	P 7								
436.7546	-3.99	37-17	P21	447.0778	-6.02	36-15	R12	453.5707	-5.00	37-16	Q17								
436.8843	-3.97	37-17	P22	447.0912	-6.05	36-15	R11	453.6232	-4.98	37-16	Q18								
437.0182	-3.05	37-17	P23	447.1393	-6.08	36-15	R10	453.6317	-5.70	37-16	P 8								
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437.6016	-3.88	37-17	P27	447.2382	-6.26	36-15	R 6	453.7866	-5.59	37-16	P10								
441.6976	-6.42	35-14	R22	447.3033	-6.32	36-15	R 5	453.7986	-4.91	37-16	Q21								
441.6978	-6.40	35-14	R23	447.3287	-6.38	36-15	R 4	453.8659	-5.54	37-16	P11								
441.6987	-6.39	35-14	R24	447.3620	-6.46	36-15	R 3	453.8669	-4.89	37-16	Q22								
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441.7193	-6.31	35-14	R29	447.5694	-6.22	36-15	R 4	454.3143	-5.37	37-16	P16								
441.7245	-6.48	35-14	R19	447.5820	-6.12	36-15	R 5	454.4135	-5.34	37-16	P17								
441.7306	-6.50	35-14	R18	447.6010	-6.05	36-15	R 6	454.5156	-5.31	37-16	P18								
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441.8009	-6.60	35-14	R14	447.6509	-5.93	36-15	Q 8	454.9534	-5.22	37-16	P22								
441.8232	-6.63	35-14	R13	447.6587	-5.84	36-15	Q10	455.0742	-5.20	37-16	P23								
441.8476	-6.66	35-14	R12	447.6900	-5.80	36-15	Q11	455.1955	-5.18	37-16	P24								
441.8747	-6.69	35-14	R11	447.7068	-6.86	36-15	P 3	455.3233	-5.16	37-16	P25								
441.9006	-6.72	35-14	R10	447.7219	-5.73	36-15	Q12	472.9790	-6.60	37-15	R24								
441.9322	-6.76	35-14	R 9	447.7565	-5.73	36-15	Q13	472.9865	-6.61	37-15	R23								
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441.9972	-6.85	35-14	R 7	447.7903	-5.70	36-15	Q14	473.0068	-6.65	37-15	R21								
442.0332	-6.90	35-14	R 6	447.8213	-5.67	36-15	Q15	473.0212	-6.67	37-15	R20								
442.0730	-6.96	35-14	R 5	447.8288	-5.56	36-15	P 5	473.0354	-6.69	37-15	R19								
442.1132	-7.02	35-14	R 4	447.8603	-5.64	36-15	Q16	473.0528	-6.71	37-15	R18								
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442.3425	-7.33	35-14	Q 1	447.9882	-5.57	36-15	Q19	473.1756	-6.84	37-15	R13								
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## **NOTICE**

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