

**The Optical Gravitational Lensing Experiment.
Cepheids in the Magellanic Clouds.
IV. Catalog of Cepheids from the Large Magellanic Cloud***

by

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ABSTRACT

We present the Catalog of Cepheids from the LMC. The Catalog contains 1333 objects detected in the 4.5 square degree area of central parts of the LMC. About $3.4 \cdot 10^5$ *BVI* measurements of these stars were collected during the OGLE-II microlensing survey. The Catalog data include period, *BVI* photometry, astrometry, and R_{21} , ϕ_{21} parameters of the Fourier decomposition of *I*-band light curve.

The vast majority of objects from the Catalog are the classical Cepheids pulsating in the fundamental or first overtone mode. The remaining objects include Population II Cepheids and red giants with pulsation-like light curves.

Tests of completeness performed in overlapping parts of adjacent fields indicate that completeness of the Catalog is very high: $> 96\%$. Statistics and distributions of basic parameters of Cepheids are also presented.

Finally, we show the light curves of three eclipsing systems containing Cepheid detected among objects of the Catalog.

All presented data, including individual *BVI* observations are available from the OGLE Internet archive.

Key words: *Cepheids – Magellanic Clouds – Catalogs*

1. Introduction

Cepheids were among the first variable stars discovered by astronomers – the prototype of the class, δ Cep, and η Aql were found to be varying in brightness by J. Goodricke and E. Pigott, respectively, in 1784. The great career of these objects

* Based on observations obtained with the 1.3 m Warsaw telescope at the Las Campanas Observatory of the Carnegie Institution of Washington.

begun at the beginning of 20th century when their famous Period–Luminosity relation was discovered in the Small Magellanic Cloud by Leavitt (1912). Cepheids became one of the most important standard candles used for distance determination in the Universe, although the calibration of the Period–Luminosity relation is still a topic of lively debate. Proper calibration is of great importance because Cepheids are now routinely discovered in galaxies to about 25 Mpc with the HST instruments. Thus, the Cepheid based distance scale is one of the most important steps in the distance scale ladder.

Cepheids are relatively well understood pulsating stars. Their role in the modern astrophysics is hard to be overestimated. Beside the Period–Luminosity relation these objects are the ideal laboratory for testing the stellar structure, theory of stellar evolution etc. Therefore it is crucial to have at hand a large sample of these stars with good quality observational data so the theoretical work could be verified.

Although many Cepheids were discovered in the Galaxy their observational data are very inhomogeneous, taken by different observers with different instruments. Two nearby galaxies – the Magellanic Clouds – are potentially much better hosts of these objects. Both Large and Small Magellanic Clouds are known to contain many Cepheids. Additional advantage of Cepheids from these galaxies is that they are located at approximately the same distance what makes analyses of their properties much simpler.

Unfortunately both Magellanic Clouds have been neglected photometrically for years – the vast majority of known Cepheids in the Magellanic Clouds were observed with old photographic or photoelectric techniques giving an order of magnitude worse quality than the modern CCD-based techniques. Situation has significantly changed in 1990s when large microlensing surveys begun regular monitoring of the Magellanic Clouds for microlensing events. Photometry of millions stars in both Magellanic Clouds is a natural by-product of these surveys and for the first time good quality light curves of the Magellanic Cloud Cepheids could be obtained. Both MACHO and EROS microlensing surveys reported discovery of many Cepheids and presented observations of these stars in the LMC and/or SMC (Alcock *et al.* 1995, Alcock *et al.* 1999, Sasselov *et al.* 1997, Bauer *et al.* 1999). Unfortunately, all these data were taken with non-standard photometric bands.

The Magellanic Clouds were added to the list of objects observed by the Optical Gravitational Lensing Experiment (OGLE) at the beginning of the second phase of the survey in January 1997. Since then both Magellanic Clouds are monitored regularly, practically on every clear night. Observations are made through the *BVI* filters very closely reproducing the standard *BVI* system. After more than two years of observations the photometric databases are complete enough so the search for variable stars could be performed. Large samples of Cepheids were extracted from databases of both Magellanic Cloud fields.

In the previous papers of this series we presented analysis of double-mode Cepheids in the SMC (Udalski *et al.* 1999a), discovery of 13 Cepheids in the SMC –

candidates for objects pulsating in the second overtone mode (Udalski *et al.* 1999b) and analysis of the Period–Luminosity and Period–Luminosity–Color relations of huge samples of Cepheids from the LMC and SMC (Udalski *et al.* 1999c). In this paper we present first of two Catalogs of Cepheids from the Magellanic Clouds – the Catalog of Cepheids from the LMC. Similar Catalog of about 2300 Cepheids from the SMC will follow.

The Catalog of Cepheids from the LMC contains 1333 objects. They come from the 4.5 square degree area of central parts of the LMC. The vast majority of them are the classical Cepheids. Other stars include a sample of Population II Cepheids and a sample of red giant objects which variability resembles pulsation-like light curves. We do not include additional sample of about 70 double-mode Cepheids detected in the LMC – these objects will be described in a separate paper similar to double-mode Cepheids from the SMC (Udalski *et al.* 1999a).

We also present statistics and distributions of basic parameters of the LMC Cepheids like location in the LMC, periods, colors and parameters of the Fourier decomposition of light curve. Finally, we point attention to three Cepheids in the eclipsing systems which could potentially provide precise data on sizes and masses of their components.

The large and homogeneous sample of Cepheids presented in this paper with high quality photometry and high completeness can be used for many projects concerning these stars. Therefore we decided to make the data public – all data presented in this paper, including individual *BVI*-band observations and finding charts are available from the OGLE Internet archive.

2. Observations

All observations presented in this paper were carried out during the second phase of the OGLE experiment with the 1.3-m Warsaw telescope at the Las Campanas Observatory, Chile, which is operated by the Carnegie Institution of Washington. The telescope was equipped with the "first generation" camera with a SITE 2048 × 2048 CCD detector working in drift-scan mode. The pixel size was 24 μm giving the 0.417 arcsec/pixel scale. Observations of the LMC were performed in the "slow" reading mode of CCD detector with the gain 3.8 e^-/ADU and readout noise of about 5.4 e^- . Details of the instrumentation setup can be found in Udalski, Kubiak and Szymański (1997).

Observations of the LMC started on January 6, 1997. 11 driftscan fields covering 14.2×57 arcmins in the sky were observed during the first months of 1997. Additional 10 fields were added in October 1997 increasing the total observed area of the LMC to about 4.5 square degree. Because the microlensing search is planned to last for several years, observations of selected fields will be continued during the following seasons. In this paper we present data collected up to June 1999.

Observations were obtained in the standard *BVI*-bands with majority of measurements made in the *I*-band. The effective exposure time was 125, 174 and 237 seconds for the *I*, *V* and *B*-band, respectively. The instrumental system closely resembles the standard *BVI* one – the color coefficients of transformation ($a \cdot CI$; a – color coefficient, CI – color index: $B - V$ for *B* and $V - I$ for *VI* filters) are equal to -0.041 , $+0.004$ and $+0.032$ for the *B*, *V* and *I*-band, respectively.

Due to microlensing search observing strategy the vast majority of observations were done through the *I*-band filter (about 120–360 epochs depending on the field) while images on about 15–40 epochs were collected in the *BV*-bands. The *B*-band photometry is at the writing of this paper less complete than *VI* photometry – reductions of only 40% of fields were finished. For the remaining fields only *VI* photometry was available. *B*-band photometry of these fields will be completed after the next observing season.

Collected images were reduced with the standard OGLE data pipeline. Quality of data is similar to the photometric data of the SMC described in Udalski *et al.* (1998b). In particular, accuracy of absolute photometry zero points is about 0.01–0.02 in all *BVI*-bands. More details on the LMC photometric data will be presented with release of the photometric maps of the LMC in the near future.

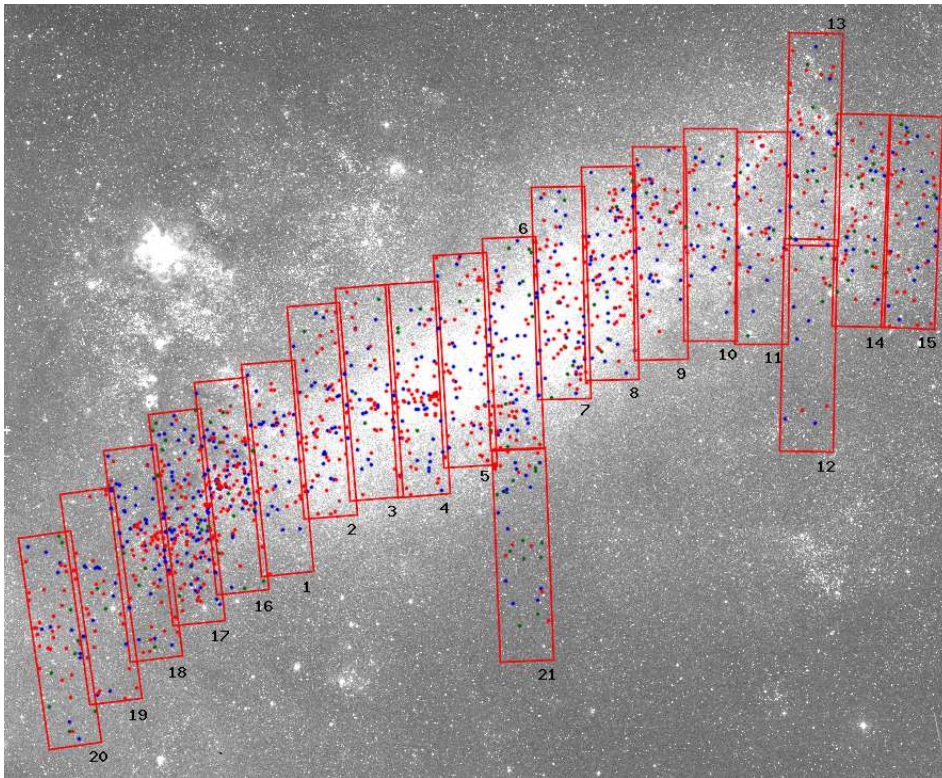


Fig. 1. OGLE-II fields in the LMC. Dots indicate positions of Cepheids from the Catalog. North is up and East to the left in the Digitized Sky Survey image of the LMC.

Table 1

Equatorial coordinates of the OGLE-II LMC fields

Field	RA (J2000)	DEC (J2000)
LMC_SC1	5 ^h 33 ^m 49 ^s	−70° 06′ 10″
LMC_SC2	5 ^h 31 ^m 17 ^s	−69° 51′ 55″
LMC_SC3	5 ^h 28 ^m 48 ^s	−69° 48′ 05″
LMC_SC4	5 ^h 26 ^m 18 ^s	−69° 48′ 05″
LMC_SC5	5 ^h 23 ^m 48 ^s	−69° 41′ 05″
LMC_SC6	5 ^h 21 ^m 18 ^s	−69° 37′ 10″
LMC_SC7	5 ^h 18 ^m 48 ^s	−69° 24′ 10″
LMC_SC8	5 ^h 16 ^m 18 ^s	−69° 19′ 15″
LMC_SC9	5 ^h 13 ^m 48 ^s	−69° 14′ 05″
LMC_SC10	5 ^h 11 ^m 16 ^s	−69° 09′ 15″
LMC_SC11	5 ^h 08 ^m 41 ^s	−69° 10′ 05″
LMC_SC12	5 ^h 06 ^m 16 ^s	−69° 38′ 20″
LMC_SC13	5 ^h 06 ^m 14 ^s	−68° 43′ 30″
LMC_SC14	5 ^h 03 ^m 49 ^s	−69° 04′ 45″
LMC_SC15	5 ^h 01 ^m 17 ^s	−69° 04′ 45″
LMC_SC16	5 ^h 36 ^m 18 ^s	−70° 09′ 40″
LMC_SC17	5 ^h 38 ^m 48 ^s	−70° 16′ 45″
LMC_SC18	5 ^h 41 ^m 18 ^s	−70° 24′ 50″
LMC_SC19	5 ^h 43 ^m 48 ^s	−70° 34′ 45″
LMC_SC20	5 ^h 46 ^m 18 ^s	−70° 44′ 50″
LMC_SC21	5 ^h 21 ^m 14 ^s	−70° 33′ 20″

Table 1 lists equatorial coordinates of center of each field and its acronym. Fig. 1 shows the Digitized Sky Survey image of the LMC with contours of the observed fields.

3. Selection of Cepheids

The search for variable objects in the LMC fields was performed using observations in the *I*-band in which most observations were obtained. Typically about 120–360 epochs were available for each analyzed object with the lower limit set to 50. The mean *I*-band magnitude of analyzed objects was limited to $I < 19.5$ mag. Candidates for variable stars were selected based on comparison of the standard deviation of all individual measurements of a star with typical standard deviation for stars of similar brightness. Light curves of selected candidates were then searched for periodicity using the AoV algorithm (Schwarzenberg-Czerny 1989). The period search was limited to the range of 0.1–100 days. Accuracy of periods is about $7 \cdot 10^{-5} \cdot P$.

Candidates for Cepheids were selected from the entire sample of variable stars based on visual inspection of the light curves and location in the color-magnitude diagram (CMD) within the area limited by $I < 18.5$ mag and $0.25 < (V - I) < 1.3$ mag. Several objects located outside this region (*e.g.*, highly reddened Cepheids) and objects with no color information but with evident Cepheid-type light curves were also included to this sample. In total more than 1500 Cepheid candidates were found in the 4.5 square degree area of the LMC center.

Each of the analyzed LMC fields overlaps with neighboring fields for calibration purposes. Therefore several dozen Cepheids located in the overlapping regions were detected twice. We decided not to remove them from the final list of objects because their measurements are independent in both fields and can be used for testing quality of data, completeness of the sample etc. 105 such objects were detected and we provide cross-reference list to identify them.

4. Basic Parameters of Candidates

4.1. Intensity Mean Photometry

For each object which passed our selection criteria we derived the *BVI* intensity mean photometry by integrating the light curve converted to intensity units. It was approximated by the Fourier series of fifth order. Result was converted back to the magnitude scale. Accuracy of the mean *I*-band photometry is about 0.001 – 0.005 mag and somewhat worse (about 0.01 mag) for poorer sampled *BV*-bands.

Full *BVI* photometry is available only for eight fields: LMC_SC1–LMC_SC8. For the remaining fields the *B*-band databases are not complete enough for precise determination of the mean brightness. Photometry of these fields will be completed after the next observing season of the LMC.

For each object we also determined the extinction insensitive index W_I (called also Wesenheit index, Madore and Freedman 1991):

$$W_I = I - 1.55 \times (V - I). \quad (1)$$

The coefficient 1.55 in Eq. (1) corresponds to the coefficient resulting from standard interstellar extinction curve dependence of the *I*-band extinction on $E(V - I)$ reddening (*e.g.*, Schlegel, Finkbeiner and Davis 1998). It is easy to show that the values of W_I are the same when derived from observed or extinction free magnitudes, provided that extinction to the object is not too high so it can be approximated with a linear function of color.

4.2. Interstellar Reddening

Determination of the interstellar reddening to the LMC Cepheids has an important role in analyses of these objects, distance determination etc. It is well known that the reddening in the LMC is clumpy and variable (Harris, Zaritsky and

Thompson 1998), therefore applying the mean reddening value to all objects is generally not justified.

With large photometric databases of millions stars we are in position to determine the average reddening in many lines-of-sight within the LMC. Unfortunately, we do not have U -band photometry which would allow to derive the reddening from young, hot OB stars. Therefore we used for this purpose much older but much more numerous red clump stars. It should be noted, however, that Cepheid population can be distributed in the LMC somewhat differently than red clump stars and OB-stars determination could be more appropriate for Cepheids. On the other hand the differences should not be large for the LMC seen almost face-on.

We used red clump stars for mapping the fluctuations of mean reddening in our observed fields treating their mean I -band magnitude as the reference brightness. It was shown to be independent on age of these stars in the wide range of 2–10 Gyr, and it is only slightly dependent on metallicity (Udalski 1998a,b). The latter correction is not important in this case because of practically homogeneous environment of field stars in the LMC (Bica *et al.* 1998). Thus, the mean brightness of red clump stars can be a very good reference of brightness for monitoring extinction. Similar method was used by Stanek (1996) for determination of extinction map of Baade's Window in the Galactic bulge.

The reddening in the LMC was determined in 84 lines-of-sight. We divided each of our 21 2048×8192 pixel fields to four 2048×2048 pixel subfields (subfield 1: $0 < y < 2048$, etc.). In each of the subfields we determined the mean observed I -band magnitude of red clump stars with technique identical to that described in Udalski *et al.* (1998a). Differences of the observed I -band magnitudes were assumed as differences of the mean A_I extinction. We converted differences of A_I extinction to differences of $E(B - V)$ reddening assuming the standard extinction curve: $E(B - V) = A_I/1.96$ (Schlegel *et al.* 1998).

The zero points of our reddening map were derived based on previous determinations in three lines-of-sight, two of them using OB-stars. These determinations included determination of reddening around two LMC star clusters: NGC1850 ($E(B - V) = 0.15 \pm 0.05$ mag, based on UBV photometry, Lee 1995) and NGC1835 ($E(B - V) = 0.13 \pm 0.03$ mag, based on colors of RR Lyr stars, Walker 1993) and determination based on OB-stars in the field of the eclipsing variable star HV2274 (Udalski *et al.* 1998c). All these zero points were consistent with our map to within a few thousands of magnitude.

We also checked the absolute calibration of our map comparing the observed I -band magnitude of red clump stars with extinction free magnitude determined from a few star clusters in the halo of the LMC (Udalski 1998b). We additionally checked the value of extinction free magnitude of red clump stars in the LMC by its new determination from the field stars around the same clusters. Resulting value was consistent to within 0.01 mag with star cluster red clump determination. The calibration *via* extinction free magnitude of red clump stars gave somewhat larger

Table 2
 $E(B - V)$ reddening in the LMC fields

Field	Subfield 1 $E(B - V)$	Subfield 2 $E(B - V)$	Subfield 3 $E(B - V)$	Subfield 4 $E(B - V)$
LMC_SC1	0.117	0.152	0.147	0.163
LMC_SC2	0.121	0.121	0.150	0.131
LMC_SC3	0.134	0.120	0.123	0.117
LMC_SC4	0.130	0.120	0.105	0.118
LMC_SC5	0.130	0.115	0.108	0.133
LMC_SC6	0.138	0.125	0.107	0.123
LMC_SC7	0.143	0.138	0.142	0.146
LMC_SC8	0.131	0.133	0.136	0.142
LMC_SC9	0.143	0.165	0.156	0.149
LMC_SC10	0.156	0.147	0.146	0.132
LMC_SC11	0.147	0.154	0.150	0.152
LMC_SC12	0.152	0.146	0.127	0.139
LMC_SC13	0.154	0.129	0.135	0.130
LMC_SC14	0.124	0.142	0.138	0.127
LMC_SC15	0.145	0.125	0.147	0.126
LMC_SC16	0.135	0.148	0.185	0.181
LMC_SC17	0.171	0.193	0.175	0.201
LMC_SC18	0.182	0.178	0.173	0.170
LMC_SC19	0.153	0.153	0.187	0.167
LMC_SC20	0.132	0.137	0.142	0.163
LMC_SC21	0.133	0.152	0.145	0.146

zero point of the $E(B - V)$ reddening – by about 0.02 mag which we adopt as the error of our map. The final $E(B - V)$ reddening in 84 lines-of-sight in the LMC is listed in Table 2. Interstellar extinction in the BVI bands was calculated using the standard extinction curve coefficients (*e.g.*, Schlegel *et al.* 1998):

$$\begin{aligned}
 A_B &= 4.32 \cdot E(B - V), \\
 A_V &= 3.24 \cdot E(B - V), \\
 A_I &= 1.96 \cdot E(B - V).
 \end{aligned}$$

4.3. Astrometry

Equatorial coordinates of all candidates were calculated based on transformation derived with the Digitized Sky Survey images. Details of procedure are described in Udalski *et al.* (1998b). About 2800–7400 stars common in OGLE and DSS images (depending on stellar density of the field) were used for transformation. Internal accuracy of the equatorial coordinates is about 0.15 arcsec with possible systematic errors of the DSS coordinate system up to 0.7 arcsec.

4.4. Fourier Parameters of Light Curve Decomposition

For each object we derived Fourier parameters $R_{21} = A_2/A_1$ and $\phi_{21} = \phi_2 - 2\phi_1$ of the Fourier series decomposition of I -band light curve. A_i and ϕ_i are the amplitudes and phases of $(i - 1)$ harmonic of the Fourier decomposition of light curve. Parameters R_{21} and ϕ_{21} are often used for analyses of pulsating variable stars and for discrimination between objects pulsating in different modes.

We fitted the fifth order Fourier series to the magnitude scale I -band light curve. In the case of objects with almost sinusoidal light curve for which the first harmonic amplitude and phase were not statistically significant, $R_{21} = 0$ and ϕ_{21} is not defined.

4.5. Classification

Based on the Period–Luminosity (P – L) diagram constructed for the extinction insensitive index W_I we divided all objects into four groups: classical Cepheids pulsating in the fundamental mode (FU), classical Cepheids pulsating in the first overtone mode (FO), objects brighter than FO mode Cepheids (BR) and objects

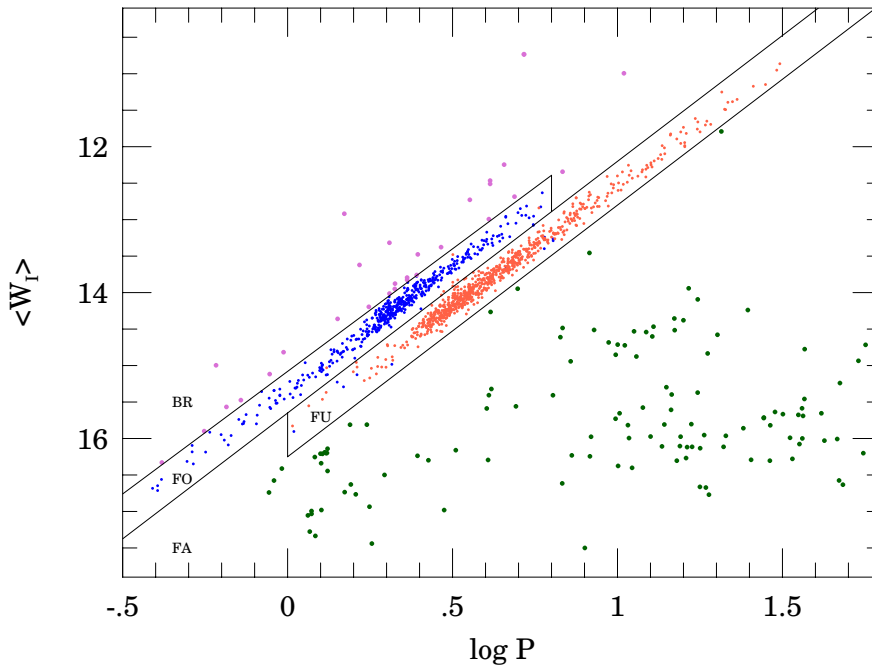


Fig. 2. Period–Luminosity relation for extinction insensitive index W_I . Contours divide the diagram into sections where fundamental (FU) and first overtone mode (FO) classical Cepheids are found. Section denoted by BR indicates region where objects were classified as brighter than FO Cepheids and by FA – as fainter than FU Cepheids. Small dots mark positions of objects finally classified as FU and FO classical Cepheids (light and dark dots, respectively). Larger dots – BR (light dots) and FA (dark dots) objects.

fainter than FU mode Cepheids (FA). Fig. 2 presents $P-L$ diagram for the W_I index with boundaries of these four regions.

Due to very good accuracy of photometry and features of the W_I index, which removes simultaneously effects of extinction and color dependence of the Cepheid $P-L$ relation, the separation between the FU and FO Cepheids is remarkable. Nevertheless, we also checked location of all selected FU and FO Cepheids in the R_{21} and ϕ_{21} vs. $\log P$ diagrams. It is well known that such diagrams allow to separate between the FU and FO mode pulsators (*cf.* Alcock *et al.* 1999, Udalski *et al.* 1999a). Sequences for FU and FO Cepheids in both diagrams, in particular R_{21} vs. $\log P$, are well separated and in most cases classification is straightforward. However, in a few period ranges the sequences almost overlap (for $0.6 < \log P < 0.8$ in the R_{21} vs. $\log P$ diagram and $0.2 < \log P < 0.4$ and $\log P \approx 0.75$ in the ϕ_{21} vs. $\log P$ diagram). Therefore we checked light curves of all objects located in these regions to confirm classification indicated by position in the $P-L$ diagram. Also all objects located in opposite mode sequences than indicated from $P-L$ position were inspected. In about 20 cases the classification was changed. In eight cases those were FU objects blended with other stars and therefore shifted to FO Cepheids in the $P-L$ diagram. In eleven cases – FO mode stars shifted to FU objects in the $P-L$ diagram of the W_I index because of high reddening, blends with blue stars etc. Fig. 3 presents the final R_{21} vs. $\log P$ and ϕ_{21} vs. $\log P$ diagrams for all objects classified as FU and FO mode classical Cepheids.

5. Catalog of Cepheids from the LMC

1402 objects passed our selection criteria described in Section 3. Among candidates for Cepheids in the LMC a subsample of double-mode classical Cepheids containing about 70 objects was extracted. These objects will be presented in a separate paper of this series. The remaining Cepheid candidates are listed in Table 3.

The first column of Table 3 is the star identification: *field_name star_number*. In the next columns the equatorial coordinates, RA and DEC (J2000), period in days and moment of the zero phase corresponding to maximum light are given. Then follow intensity mean *IVB* photometry supplemented by extinction insensitive index W_I and the mean interstellar reddening in object direction. In the next two columns Fourier parameters, R_{21} and ϕ_{21} , of the light curve decomposition are listed. Finally, in the last column classification of the object is provided.

Table 3 contains 1435 entries but only 1333 objects: 102 stars were detected twice – in overlapping parts of adjacent fields. Table 4 provides cross-identification of all such objects including for completeness three double-mode Cepheids not presented in this paper and not listed in Table 3.

The *I*-band light curves of all objects are presented in Appendices A–U. The ordinate is phase with 0.0 value corresponding to maximum light. Abscissa is the *I*-band magnitude. The light curve is repeated twice for clarity.

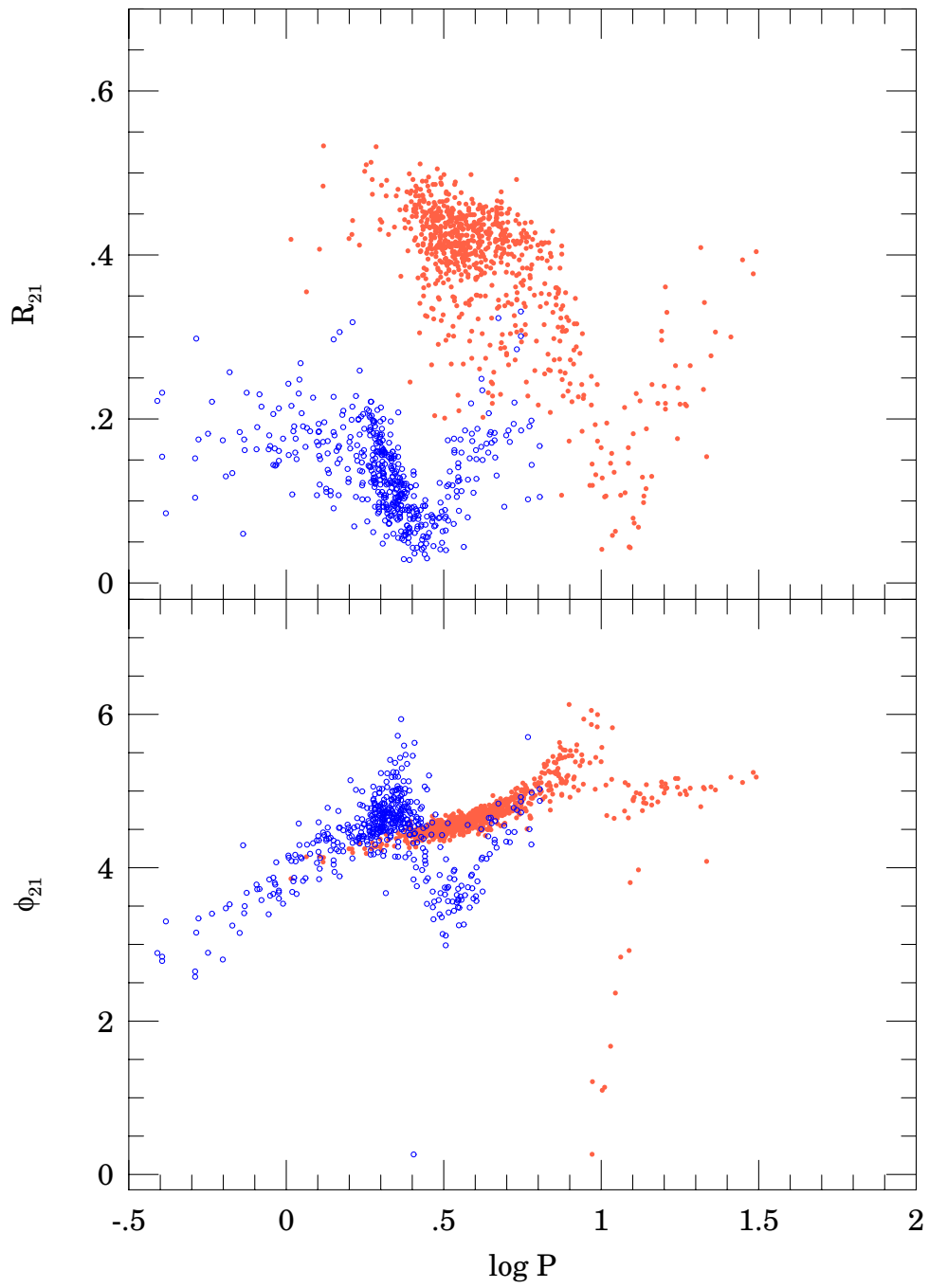


Fig. 3. R_{21} and ϕ_{21} vs. $\log P$ diagrams for single-mode classical Cepheids from the LMC. Dark open circles indicate positions of first overtone Cepheids while light dots positions of fundamental mode pulsators.

Table 3
Cepheids in the LMC fields

Star number	RA (J2000)	DEC (J2000)	P [days]	$T_0 - 2450000$ [HJD]	I [mag]	V [mag]	B [mag]	W_I [mag]	$E(B - V)$ [mag]	R_{21}	ϕ_{21}	Type
LMC_SC1												
14252	5 ^h 32 ^m 57 ^s .75	-70° 22' 35".17	1.72829	443.43230	15.481	16.092	16.554	14.533	0.117	0.203	4.461	FO
25359	5 ^h 32 ^m 02 ^s .35	-70° 15' 33".13	3.39729	442.27884	15.310	16.062	16.716	14.145	0.152	0.436	4.606	FU
25377	5 ^h 32 ^m 48 ^s .98	-70° 13' 58".14	3.09592	443.82639	15.243	15.933	16.512	14.175	0.152	0.435	4.489	FU
25418	5 ^h 32 ^m 43 ^s .66	-70° 14' 48".18	2.11207	443.45009	15.840	16.559	17.127	14.727	0.152	0.425	4.364	FU
31577	5 ^h 32 ^m 29 ^s .89	-70° 12' 56".13	2.73145	442.82014	15.514	16.297	16.851	14.301	0.152	0.360	4.484	FU
31612	5 ^h 32 ^m 32 ^s .48	-70° 11' 25".13	3.28489	444.87960	15.411	16.344	17.055	13.966	0.152	0.382	4.610	FU
44657	5 ^h 32 ^m 38 ^s .04	-70° 04' 57".12	4.01588	441.95391	15.017	15.802	16.457	13.801	0.147	0.390	4.702	FU
51886	5 ^h 32 ^m 33 ^s .09	-69° 59' 49".10	4.65494	442.59661	14.826	15.638	16.229	13.568	0.147	0.448	4.867	FU
59277	5 ^h 32 ^m 36 ^s .55	-69° 57' 35".18	2.69976	442.69220	14.915	15.625	16.148	13.815	0.147	0.000	-	FO
66584	5 ^h 32 ^m 46 ^s .24	-69° 52' 17".11	1.83677	444.77986	15.678	16.443	16.995	14.494	0.147	0.186	4.534	FO
72986	5 ^h 32 ^m 58 ^s .53	-69° 51' 55".17	4.80080	441.22123	15.218	16.160	16.928	13.760	0.163	0.397	4.783	FU
118785	5 ^h 32 ^m 29 ^s .94	-70° 16' 34".19	2.73127	443.90958	15.568	16.291	16.857	14.449	0.152	0.465	4.502	FU
124650	5 ^h 32 ^m 18 ^s .58	-70° 10' 03".14	4.60602	440.83232	14.928	15.747	16.443	13.660	0.152	0.153	4.609	FO
136983	5 ^h 33 ^m 16 ^s .54	-70° 03' 53".18	4.99589	444.74380	14.710	15.431	16.059	13.594	0.147	0.431	4.811	FU
150925	5 ^h 33 ^m 22 ^s .94	-69° 57' 19".17	4.29163	443.64129	15.055	15.893	16.569	13.756	0.147	0.394	4.594	FU
150939	5 ^h 33 ^m 26 ^s .74	-69° 56' 32".18	2.36133	444.75922	15.124	15.790	16.266	14.094	0.147	0.029	4.478	FO
158020	5 ^h 33 ^m 13 ^s .79	-69° 54' 55".19	4.15474	444.30702	15.166	16.048	16.790	13.801	0.147	0.376	4.665	FU
158027	5 ^h 33 ^m 47 ^s .05	-69° 54' 34".12	2.28500	444.56718	15.284	16.020	16.595	14.143	0.147	0.102	4.803	FO
158032	5 ^h 33 ^m 36 ^s .98	-69° 54' 16".16	2.16193	444.48111	15.201	15.811	16.256	14.254	0.147	0.153	4.894	FO
158066	5 ^h 33 ^m 39 ^s .93	-69° 54' 18".10	2.20349	443.00294	15.365	16.102	16.668	14.223	0.147	0.121	4.656	FO
158087	5 ^h 33 ^m 40 ^s .61	-69° 52' 58".19	5.26198	440.40298	15.742	17.155	18.337	13.555	0.147	0.417	4.888	FU
164361	5 ^h 33 ^m 43 ^s .13	-69° 51' 13".12	1.88935	444.79581	15.641	16.414	16.947	14.443	0.163	0.198	4.520	FO
169974	5 ^h 33 ^m 36 ^s .77	-69° 45' 17".13	4.23637	443.74069	15.106	15.904	16.753	13.869	0.163	0.398	4.703	FO
169975	5 ^h 33 ^m 48 ^s .70	-69° 45' 12".15	3.31084	441.91559	15.279	16.014	16.585	14.142	0.163	0.446	4.561	FU
174900	5 ^h 33 ^m 45 ^s .82	-69° 43' 38".17	3.94111	442.62014	15.097	15.848	16.657	13.934	0.163	0.434	4.609	FU
196811	5 ^h 33 ^m 50 ^s .02	-70° 22' 40".13	1.47709	443.64092	16.386	17.092	17.599	15.292	0.117	0.306	3.888	FO
201683	5 ^h 33 ^m 59 ^s .99	-70° 17' 11".18	2.31922	444.82428	15.174	15.870	16.382	14.097	0.152	0.107	4.520	FO
206878	5 ^h 34 ^m 16 ^s .52	-70° 16' 13".14	1.98650	443.25780	15.409	16.151	16.727	14.259	0.152	0.178	4.709	FU
212053	5 ^h 34 ^m 29 ^s .44	-70° 11' 56".11	3.26755	443.07128	15.284	16.009	16.530	14.162	0.152	0.414	4.478	FO
212056	5 ^h 34 ^m 10 ^s .63	-70° 11' 44".10	5.34595	444.40773	14.964	15.900	16.696	13.515	0.152	0.361	5.027	FU
212204	5 ^h 33 ^m 59 ^s .77	-70° 10' 48".12	1.05296	444.69858	16.395	17.098	17.651	15.308	0.152	0.185	3.823	FO
217441	5 ^h 33 ^m 58 ^s .03	-70° 06' 46".10	4.51657	442.77397	15.016	15.874	16.628	13.688	0.152	0.243	4.656	FU
223119	5 ^h 33 ^m 54 ^s .58	-70° 02' 55".10	5.06424	440.47921	14.297	14.744	14.951	13.606	0.147	0.401	4.725	FU
229541	5 ^h 34 ^m 19 ^s .72	-70° 00' 00".11	1.21642	444.66556	16.033	16.600	17.083	15.155	0.147	0.226	4.320	FO
242606	5 ^h 33 ^m 55 ^s .40	-69° 54' 43".18	2.13419	444.47171	15.310	15.990	16.506	14.257	0.147	0.152	4.707	FO
242614	5 ^h 34 ^m 18 ^s .75	-69° 53' 38".14	2.67511	443.40694	15.100	15.832	16.409	13.967	0.147	0.069	4.593	FO
242658	5 ^h 34 ^m 28 ^s .21	-69° 54' 11".11	2.33219	444.70747	15.370	16.164	16.771	14.141	0.147	0.109	4.782	FO
248025	5 ^h 34 ^m 28 ^s .01	-69° 49' 01".17	3.11748	442.21981	15.353	16.111	16.741	14.180	0.163	0.412	4.547	FU
266530	5 ^h 34 ^m 42 ^s .26	-70° 33' 42".10	4.11529	441.55075	14.857	15.541	16.110	13.798	0.117	0.461	4.544	FU
275300	5 ^h 34 ^m 58 ^s .77	-70° 26' 30".17	2.98266	444.73367	15.333	15.975	16.474	14.341	0.117	0.445	4.556	FU
290572	5 ^h 35 ^m 09 ^s .98	-70° 14' 45".12	1.35351	444.50686	16.077	-	-	-	0.152	0.138	4.439	FO
295698	5 ^h 34 ^m 59 ^s .05	-70° 11' 48".12	2.89982	442.14583	15.521	16.380	17.094	14.191	0.152	0.401	4.515	FU
295713	5 ^h 34 ^m 48 ^s .29	-70° 10' 55".19	3.43072	443.02026	15.170	16.043	16.715	13.817	0.152	0.389	4.485	FU
306814	5 ^h 34 ^m 38 ^s .65	-70° 04' 43".18	2.23221	444.53573	15.192	15.883	16.429	14.122	0.147	0.114	4.608	FO
306872	5 ^h 34 ^m 39 ^s .40	-70° 04' 23".11	3.55525	442.84736	15.252	16.065	16.746	13.992	0.147	0.403	4.599	FU
312843	5 ^h 34 ^m 45 ^s .25	-69° 59' 19".15	2.61828	444.07770	15.513	16.198	16.723	14.452	0.147	0.412	4.421	FU
313151	5 ^h 35 ^m 00 ^s .88	-70° 01' 03".18	36.51287	426.10108	17.556	18.760	19.915	15.690	0.147	0.390	5.043	FA
324972	5 ^h 34 ^m 47 ^s .59	-69° 54' 51".12	4.65729	443.11470	14.732	15.467	16.055	13.595	0.147	0.453	4.682	FU
324983	5 ^h 34 ^m 34 ^s .60	-69° 54' 06".11	2.29238	442.94328	15.155	15.839	16.318	14.096	0.147	0.000	-	FO
324986	5 ^h 35 ^m 00 ^s .06	-69° 53' 59".15	2.20926	444.91944	15.079	15.709	16.167	14.104	0.147	0.155	4.549	FO
345261	5 ^h 34 ^m 56 ^s .28	-69° 40' 46".11	0.73489	444.67836	16.809	17.464	17.984	15.795	0.163	0.175	3.407	FO
LMC_SC2												
30960	5 ^h 30 ^m 33 ^s .57	-70° 05' 09".12	5.48745	440.39118	14.403	15.084	15.617	13.348	0.121	0.438	4.711	FU
31081	5 ^h 30 ^m 14 ^s .07	-70° 03' 49".12	2.70994	444.97612	15.370	16.011	16.462	14.379	0.121	0.453	4.397	FU
39166	5 ^h 30 ^m 04 ^s .17	-69° 59' 39".15	2.17676	444.26801	15.099	15.721	16.157	14.135	0.121	0.160	4.648	FO
39433	5 ^h 30 ^m 23 ^s .65	-70° 00' 08".10	1.70727	444.47589	16.226	16.885	17.334	15.206	0.121	0.412	4.316	FU
47348	5 ^h 30 ^m 04 ^s .34	-69° 56' 46".11	6.29131	444.72622	14.313	15.066	15.635	13.147	0.121	0.412	5.075	FU
47399	5 ^h 30 ^m 27 ^s .92	-69° 56' 40".16	4.20686	443.69511	14.800	15.475	15.971	13.754	0.121	0.455	4.520	FU
55470	5 ^h 30 ^m 02 ^s .37	-69° 52' 59".12	15.99137	443.95380	13.572	14.596	15.547	11.985	0.121	0.219	5.028	FU
63342	5 ^h 29 ^m 57 ^s .75	-69° 50' 51".19	2.03042	444.88997	15.251	15.959	16.435	14.154	0.151	0.134	4.707	FO
63369	5 ^h 30 ^m 27 ^s .76	-69° 48' 32".10	1.93749	444.55563	15.184	15.802	16.219	14.226	0.150	0.183	4.444	FO
70874	5 ^h 30 ^m 18 ^s .31	-69° 48' 14".18	2.75064	442.37314	14.842	15.496	15.969	13.829	0.150	0.035	5.059	FO
78835	5 ^h 30 ^m 14 ^s .65	-69° 44' 22".15	2.58776	443.97512	15.456	16.129	16.612	14.413	0.151	0.447	4.366	FO
78855	5 ^h 29 ^m 59 ^s .07	-69° 42' 39".11	2.17338	444.82305	15.255	16.005	16.506	14.093	0.150	0.130	4.739	FO
91891	5 ^h 30 ^m 21 ^s .26	-69° 34' 24".19	4.16669	443.54047	14.991	15.770	16.378	13.784	0.131	0.431	4.758	FU
97934	5 ^h 30 ^m 27 ^s .13	-69° 31' 13".19	10.99009	435.50141	13.505	14.264	14.837					

Table 3
Continued

Star number	RA (J2000)	DEC (J2000)	P [days]	$T_0 - 2450000$ [HJD]	I [mag]	V [mag]	B [mag]	W_I [mag]	$E(B - V)$ [mag]	R_{21}	ϕ_{21}	Type
120414	5 ^h 30 ^m 45 ^s .94	-70° 16' 17".7	3.56787	443.21949	14.145	15.061	15.849	12.728	0.121	0.364	4.397	BR
127932	5 ^h 30 ^m 48 ^s .73	-70° 10' 29".3	3.59714	442.58639	15.323	16.129	16.737	14.074	0.121	0.376	4.712	FU
127941	5 ^h 31 ^m 05 ^s .29	-70° 10' 05".2	2.36507	443.41876	14.984	15.557	15.931	14.097	0.121	0.103	4.746	FO
128006	5 ^h 30 ^m 55 ^s .96	-70° 10' 22".3	1.88119	444.26001	15.585	16.296	16.792	14.483	0.121	0.150	4.694	FO
143098	5 ^h 31 ^m 12 ^s .82	-70° 04' 27".2	4.22704	444.37168	14.971	15.704	16.264	13.837	0.121	0.458	4.716	FU
158654	5 ^h 30 ^m 38 ^s .27	-69° 58' 06".1	6.38241	442.26837	14.478	15.245	15.855	13.289	0.121	0.105	4.872	FO
158664	5 ^h 30 ^m 58 ^s .47	-69° 57' 31".6	7.02416	440.35802	14.383	15.184	15.876	13.141	0.121	0.330	5.451	FU
158669	5 ^h 31 ^m 02 ^s .86	-69° 57' 12".0	3.04825	444.97874	14.823	15.523	16.007	13.740	0.121	0.079	3.579	FO
158672	5 ^h 30 ^m 52 ^s .14	-69° 56' 46".9	2.31356	443.64506	14.914	15.593	16.052	13.862	0.121	0.094	4.525	FO
158674	5 ^h 30 ^m 39 ^s .85	-69° 56' 39".5	2.56224	443.96387	14.932	15.541	15.947	13.987	0.121	0.081	4.450	FO
172934	5 ^h 30 ^m 41 ^s .92	-69° 49' 15".4	5.99282	444.68563	14.572	15.407	16.059	13.278	0.150	0.440	4.909	FU
172969	5 ^h 30 ^m 48 ^s .83	-69° 48' 47".9	3.24087	443.21558	15.370	16.129	16.675	14.195	0.150	0.438	4.504	FU
180132	5 ^h 30 ^m 37 ^s .67	-69° 46' 42".4	7.09089	440.20200	14.329	15.172	15.948	13.023	0.150	0.272	5.375	FU
180134	5 ^h 30 ^m 52 ^s .97	-69° 46' 25".7	5.27290	441.81720	14.050	14.767	15.312	12.940	0.150	0.194	4.781	FO
180138	5 ^h 30 ^m 40 ^s .82	-69° 45' 09".1	7.55023	438.25280	14.093	14.846	15.432	12.927	0.150	0.338	5.127	FO
180165	5 ^h 30 ^m 47 ^s .44	-69° 45' 42".2	3.26707	444.53485	14.563	15.210	15.679	13.561	0.151	0.076	3.749	FO
180167	5 ^h 31 ^m 01 ^s .04	-69° 45' 32".5	4.87459	440.14868	14.749	15.504	16.089	13.580	0.150	0.427	4.691	FU
198723	5 ^h 30 ^m 59 ^s .63	-69° 35' 31".0	4.65685	443.63363	14.902	15.713	16.327	13.645	0.131	0.440	4.687	FU
203856	5 ^h 31 ^m 03 ^s .12	-69° 32' 07".1	4.64137	441.97622	14.826	15.554	16.185	13.699	0.131	0.445	4.787	FU
208897	5 ^h 30 ^m 48 ^s .61	-69° 27' 14".9	2.41779	444.18529	15.059	15.706	16.176	14.057	0.131	0.070	5.355	FO
213909	5 ^h 31 ^m 13 ^s .11	-69° 25' 59".5	2.52952	443.89104	14.866	15.460	15.852	13.945	0.131	0.078	4.320	FO
213961	5 ^h 30 ^m 39 ^s .30	-69° 25' 43".5	3.49624	444.60247	15.242	16.012	16.619	14.048	0.131	0.428	4.636	FU
218989	5 ^h 31 ^m 54 ^s .03	-70° 19' 14".0	1.77413	444.95249	16.208	16.879	17.288	15.170	0.121	0.502	4.249	FU
232835	5 ^h 31 ^m 23 ^s .37	-70° 13' 01".2	4.63835	441.82571	14.901	15.676	16.317	13.700	0.121	0.418	4.830	FU
240715	5 ^h 31 ^m 49 ^s .21	-70° 08' 54".2	2.52449	444.07778	15.672	16.366	16.889	14.598	0.121	0.492	4.470	FU
240852	5 ^h 31 ^m 44 ^s .72	-70° 08' 53".0	0.80429	444.25721	16.722	17.318	17.723	15.799	0.121	0.163	3.781	FO
248448	5 ^h 31 ^m 22 ^s .42	-70° 03' 33".8	1.82981	444.40993	15.335	15.911	16.314	14.444	0.121	0.210	4.522	FO
248450	5 ^h 31 ^m 17 ^s .32	-70° 03' 29".8	2.24857	442.96227	15.094	15.714	16.181	14.133	0.121	0.115	4.652	FO
248471	5 ^h 31 ^m 24 ^s .77	-70° 05' 57".1	1.89299	444.70673	15.633	16.360	16.918	14.508	0.121	0.128	4.896	FO
248540	5 ^h 31 ^m 19 ^s .44	-70° 02' 59".2	1.82378	443.46110	15.391	15.983	16.396	14.473	0.121	0.143	4.610	FO
256115	5 ^h 31 ^m 48 ^s .28	-70° 01' 27".2	4.13265	441.80292	14.913	15.636	16.213	13.794	0.121	0.350	4.581	FU
263407	5 ^h 31 ^m 38 ^s .92	-69° 58' 41".8	4.62829	441.47668	14.819	15.549	16.120	13.689	0.121	0.404	4.651	FU
263411	5 ^h 31 ^m 44 ^s .42	-69° 58' 11".2	3.38053	443.76517	15.202	15.911	16.407	14.103	0.121	0.398	4.470	FU
263415	5 ^h 31 ^m 47 ^s .74	-69° 57' 42".2	2.45540	444.55203	15.076	15.721	16.166	14.077	0.121	0.067	4.511	FO
263427	5 ^h 31 ^m 41 ^s .49	-69° 57' 12".1	3.30708	444.08152	15.273	15.973	16.503	14.190	0.121	0.410	4.361	FU
263433	5 ^h 31 ^m 36 ^s .76	-69° 56' 43".1	3.23673	442.04624	14.710	15.375	15.869	13.681	0.121	0.118	3.732	FO
263498	5 ^h 31 ^m 38 ^s .52	-69° 56' 53".5	3.88073	443.61059	15.269	16.104	16.798	13.975	0.121	0.274	4.546	FU
270295	5 ^h 31 ^m 17 ^s .62	-69° 54' 28".2	5.97702	444.54911	14.373	15.160	15.737	13.154	0.121	0.410	4.647	FU
270310	5 ^h 31 ^m 50 ^s .57	-69° 54' 57".4	3.76869	442.47225	15.088	15.805	16.343	13.978	0.121	0.400	4.528	FU
270322	5 ^h 31 ^m 22 ^s .53	-69° 53' 22".9	3.40891	443.85584	15.039	15.646	16.051	14.099	0.121	0.379	4.415	FU
283723	5 ^h 31 ^m 41 ^s .02	-69° 45' 03".0	1.30889	444.06107	16.277	17.018	17.467	15.129	0.150	0.172	4.460	FO
295089	5 ^h 31 ^m 56 ^s .12	-69° 40' 55".5	2.21555	444.73586	15.134	15.762	16.192	14.162	0.150	0.098	4.579	FO
300414	5 ^h 31 ^m 18 ^s .44	-69° 36' 26".3	4.83439	441.44796	14.887	15.745	16.424	13.559	0.131	0.450	4.756	FU
310497	5 ^h 31 ^m 52 ^s .39	-69° 30' 26".3	2.67157	443.19410	17.458	18.207	18.732	16.298	0.131	0.231	5.472	FA
334050	5 ^h 32 ^m 23 ^s .45	-70° 12' 52".5	2.46150	444.05397	15.089	15.825	16.342	13.948	0.121	0.028	4.572	FO
334064	5 ^h 32 ^m 07 ^s .69	-70° 12' 01".8	1.86763	443.96523	15.329	15.962	16.347	14.350	0.121	0.204	4.458	FO
334077	5 ^h 32 ^m 32 ^s .48	-70° 11' 25".3	3.28477	444.98794	15.427	16.342	17.023	14.011	0.121	0.381	4.610	FU
334104	5 ^h 32 ^m 29 ^s .89	-70° 12' 56".3	2.73179	442.70716	15.532	16.295	16.826	14.351	0.121	0.376	4.496	FU
334165	5 ^h 32 ^m 03 ^s .01	-70° 10' 17".3	3.29488	442.81323	15.350	16.171	16.795	14.079	0.121	0.392	4.523	FU
349919	5 ^h 32 ^m 38 ^s .06	-70° 04' 57".1	4.01578	441.92791	14.988	15.796	16.428	13.736	0.121	0.384	4.650	FU
357821	5 ^h 32 ^m 15 ^s .75	-70° 01' 58".1	4.29598	441.30282	14.973	15.797	16.573	13.697	0.121	0.274	4.668	FU
357849	5 ^h 32 ^m 12 ^s .12	-70° 00' 18".8	3.77557	443.58012	14.996	15.712	16.256	13.887	0.121	0.373	4.535	FU
357856	5 ^h 32 ^m 33 ^s .08	-69° 59' 48".9	4.65487	442.58258	14.836	15.612	16.203	13.634	0.121	0.437	4.829	FU
365468	5 ^h 32 ^m 25 ^s .08	-69° 58' 38".1	5.73729	439.27433	14.561	15.365	15.996	13.315	0.121	0.421	5.075	FU
365487	5 ^h 32 ^m 36 ^s .53	-69° 57' 35".9	2.69999	442.66494	14.923	15.633	16.134	13.823	0.121	0.053	3.970	FO
365517	5 ^h 32 ^m 12 ^s .54	-69° 58' 35".8	2.94251	444.02286	15.295	15.933	16.282	14.309	0.121	0.436	4.467	FU
385297	5 ^h 32 ^m 18 ^s .99	-69° 46' 39".7	3.50854	442.46715	14.688	15.496	16.060	13.436	0.150	0.124	3.486	FO
385301	5 ^h 32 ^m 26 ^s .68	-69° 46' 21".8	3.34383	443.67192	15.196	15.961	16.521	14.012	0.150	0.444	4.582	FU
385324	5 ^h 32 ^m 01 ^s .17	-69° 47' 52".9	2.97119	443.57182	15.441	16.210	16.761	14.249	0.151	0.408	4.482	FU
396425	5 ^h 32 ^m 02 ^s .68	-69° 38' 14".0	3.71275	442.41879	15.122	15.906	16.490	13.908	0.150	0.414	4.538	FU
407032	5 ^h 32 ^m 27 ^s .95	-69° 34' 17".1	1.27138	444.26813	16.278	17.101	17.688	15.004	0.131	0.155	3.851	FO
LMC_SC3												
5709	5 ^h 27 ^m 30 ^s .37	-70° 10' 46".3	2.49501	443.58335	15.688	16.482	17.058	14.459	0.134	0.465	4.509	FU
5715	5 ^h 27 ^m 28 ^s .78	-70° 10' 31".0	2.11632	444.09922	15.132	15.942	16.236	13.877	0.134	0.091	5.034	BR
11987	5 ^h 27 ^m 43 ^s .61	-70° 08' 42".4	2.76209	444.54622	15.492	16.238	16.798	14.336	0.134	0.452	4.514	FU
26910	5 ^h 27 ^m 43 ^s .07	-70° 00' 49".7	15.84364	429.20890	13.152	14.068	14.881	11.735	0.120	0.240	4.975	FU
35233	5 ^h 27 ^m 37 ^s .72	-69° 57' 52".5	4.01553	444.36757	14.265	14.970	15.632	13.172	0.120	0.151	4.004	FO
35297	5 ^h 27 ^m 37 ^s .09	-69° 56' 26".8	3.70896	444.84387	15.163	15.972	16.650	13.909	0.120	0.397	4.639	FU
35307	5 ^h 27 ^m 40 ^s .14	-69° 55' 45".7	2.76772	443.75791	14.845	15.560	16.079	13.738	0.120	0.071	4.049	FO
44256	5 ^h 27 ^m 36 ^s .82	-69° 53' 42".8	7.32001	443.12203	14.046	14.837	15.493	12.821	0.120	0.355	5.198	FU

Table 3
Continued

Star number	RA (J2000)	DEC (J2000)	P [days]	$T_0 - 2450000$ [HJD]	I [mag]	V [mag]	B [mag]	W_I [mag]	$E(B - V)$ [mag]	R_{21}	ϕ_{21}	Type
44391	5 ^h 27 ^m 57 ^s .84	-69°53'48".5	2.53947	444.24466	15.762	16.532	17.114	14.568	0.120	0.453	4.467	FU
53226	5 ^h 27 ^m 34 ^s .14	-69°51'22".4	7.49502	439.90410	13.869	14.623	15.225	12.701	0.120	0.401	4.944	FU
53242	5 ^h 27 ^m 32 ^s .77	-69°49'14".8	4.58472	444.90686	14.076	14.800	15.353	12.955	0.120	0.174	4.366	FO
62624	5 ^h 27 ^m 55 ^s .13	-69°48'03".9	7.44175	439.68967	14.075	14.806	15.395	12.944	0.123	0.323	5.160	FU
62742	5 ^h 27 ^m 49 ^s .69	-69°46'17".6	1.47000	444.35789	15.797	16.435	16.888	14.811	0.123	0.167	4.519	FO
108113	5 ^h 27 ^m 59 ^s .92	-69°23'27".6	12.74848	440.94606	16.106	17.078	17.779	14.601	0.117	0.141	2.132	FA
153951	5 ^h 28 ^m 38 ^s .22	-69°58'01".8	12.26284	433.11314	13.658	14.564	15.422	12.255	0.120	0.044	2.920	FU
153982	5 ^h 28 ^m 31 ^s .52	-69°58'09".6	5.04483	443.35288	14.718	15.513	16.180	13.488	0.120	0.388	4.751	FU
153983	5 ^h 28 ^m 19 ^s .80	-69°57'59".4	3.42085	444.28518	15.260	16.021	16.656	14.082	0.120	0.404	4.519	FU
162132	5 ^h 28 ^m 29 ^s .78	-69°52'36".7	7.22656	437.97887	14.191	14.967	15.613	12.989	0.120	0.360	5.265	FU
162135	5 ^h 28 ^m 45 ^s .59	-69°52'06".6	6.51736	441.07240	14.406	15.188	15.787	13.195	0.120	0.413	4.894	FU
162180	5 ^h 28 ^m 23 ^s .25	-69°52'03".8	2.57930	442.85888	14.810	15.422	15.875	13.860	0.120	0.119	4.608	FO
170203	5 ^h 28 ^m 35 ^s .24	-69°51'23".4	6.89411	440.13374	14.280	14.974	15.435	13.206	0.120	0.259	5.068	FU
170205	5 ^h 28 ^m 32 ^s .05	-69°50'54".2	7.57042	444.30099	14.284	15.135	15.904	12.966	0.120	0.228	5.538	FU
170223	5 ^h 28 ^m 23 ^s .03	-69°51'36".5	2.08788	443.68427	15.267	15.899	16.329	14.289	0.120	0.093	4.710	FO
170246	5 ^h 28 ^m 44 ^s .56	-69°50'05".0	2.62452	444.94181	14.913	15.567	16.068	13.900	0.120	0.078	4.568	FO
170248	5 ^h 28 ^m 43 ^s .69	-69°50'03".2	5.29412	443.84860	14.717	15.546	16.352	13.431	0.120	0.326	4.915	FU
194729	5 ^h 28 ^m 37 ^s .37	-69°41'01".1	5.84811	440.18059	14.670	15.496	16.179	13.391	0.123	0.228	5.005	FU
194754	5 ^h 28 ^m 37 ^s .54	-69°40'55".2	3.55740	443.96916	15.025	15.721	16.267	13.948	0.123	0.420	4.435	FU
194767	5 ^h 28 ^m 22 ^s .84	-69°39'34".5	2.95984	444.13429	15.199	15.908	16.438	14.100	0.123	0.204	4.569	FU
201460	5 ^h 28 ^m 40 ^s .63	-69°36'29".1	2.72805	443.37541	14.943	15.621	16.075	13.893	0.123	0.043	4.379	FO
201465	5 ^h 28 ^m 33 ^s .60	-69°35'46".1	4.01090	444.46184	15.228	16.044	16.675	13.964	0.123	0.351	4.691	FU
213991	5 ^h 28 ^m 11 ^s .50	-69°28'58".8	1.59818	443.64576	15.868	16.493	17.040	14.899	0.117	0.178	5.141	FO
230821	5 ^h 29 ^m 28 ^s .37	-70°14'55".3	3.09365	444.80585	15.305	16.005	16.514	14.222	0.134	0.494	4.551	FU
243445	5 ^h 29 ^m 28 ^s .37	-70°08'14".9	2.18766	444.98848	15.386	16.124	16.863	14.242	0.134	0.060	5.248	FO
243639	5 ^h 29 ^m 57 ^s .83	-70°07'15".5	1.04468	444.29176	16.604	17.057	17.270	15.904	0.134	0.108	3.685	FO
250696	5 ^h 29 ^m 05 ^s .98	-70°05'40".3	2.36932	442.66426	14.961	15.532	15.959	14.077	0.134	0.121	4.971	FO
250776	5 ^h 29 ^m 53 ^s .71	-70°04'09".8	4.61320	440.42176	15.582	16.794	17.756	13.705	0.134	0.416	4.756	FU
266664	5 ^h 29 ^m 08 ^s .36	-69°56'04".3	10.01176	438.02909	15.841	16.570	17.108	14.713	0.120	0.077	4.662	FA
274376	5 ^h 29 ^m 12 ^s .59	-69°53'26".8	4.04369	442.79836	14.535	15.309	15.915	13.336	0.120	0.188	3.823	FO
274410	5 ^h 29 ^m 03 ^s .03	-69°53'24".9	2.44614	442.62244	15.050	15.753	16.281	13.963	0.120	0.055	5.127	FO
282040	5 ^h 29 ^m 51 ^s .57	-69°50'04".4	4.11585	443.82020	14.792	15.447	15.960	13.778	0.120	0.423	4.475	FO
282042	5 ^h 29 ^m 19 ^s .34	-69°49'53".6	2.35730	443.99941	15.132	15.818	16.366	14.070	0.120	0.058	5.129	FO
290130	5 ^h 29 ^m 28 ^s .64	-69°48'00".5	4.07487	442.16716	16.290	16.861	17.263	15.406	0.123	0.385	5.132	FA
317016	5 ^h 29 ^m 14 ^s .74	-69°31'05".7	7.41376	441.37416	14.313	15.152	15.883	13.013	0.117	0.258	5.572	FU
317051	5 ^h 29 ^m 15 ^s .46	-69°30'40".9	2.35018	444.03583	14.962	15.551	15.952	14.049	0.117	0.114	4.576	FO
322990	5 ^h 29 ^m 21 ^s .57	-69°27'59".6	4.68196	440.69480	14.642	15.419	16.075	13.438	0.117	0.408	4.575	FU
328748	5 ^h 29 ^m 09 ^s .09	-69°24'13".2	2.57431	442.50438	15.456	16.111	16.570	14.442	0.117	0.472	4.370	FU
368172	5 ^h 29 ^m 33 ^s .92	-70°00'32".8	4.92028	444.23791	14.807	15.639	16.290	13.517	0.120	0.403	4.826	FU
368185	5 ^h 30 ^m 04 ^s .17	-69°59'39".5	2.17687	444.21335	15.077	15.730	16.147	14.066	0.120	0.160	4.633	FO
376576	5 ^h 30 ^m 04 ^s .34	-69°56'46".1	6.29183	444.78054	14.301	15.066	-	13.117	0.120	0.396	5.087	FU
384972	5 ^h 30 ^m 02 ^s .38	-69°52'59".2	15.99180	443.65185	13.579	14.598	15.582	12.000	0.120	0.212	5.037	FU
384989	5 ^h 29 ^m 42 ^s .01	-69°51'54".5	5.93843	442.67190	14.547	15.405	16.102	13.219	0.120	0.375	4.994	FU
393051	5 ^h 29 ^m 48 ^s .60	-69°49'50".7	5.33739	440.32794	14.627	15.415	15.909	13.407	0.120	0.314	4.789	FU
393065	5 ^h 29 ^m 57 ^s .76	-69°50'51".9	2.03046	444.86913	15.256	15.964	16.435	14.159	0.120	0.163	4.642	FO
400608	5 ^h 29 ^m 38 ^s .67	-69°47'29".2	3.53219	443.08151	14.544	15.277	15.797	13.410	0.123	0.088	3.249	FO
408692	5 ^h 29 ^m 59 ^s .08	-69°42'39".1	2.17345	444.87826	15.270	16.018	16.524	14.111	0.123	0.122	4.715	FO
421504	5 ^h 29 ^m 52 ^s .34	-69°37'21".5	4.40963	444.21513	14.929	15.743	16.347	13.668	0.123	0.447	4.818	FU
421512	5 ^h 29 ^m 45 ^s .59	-69°36'58".3	3.18618	442.01069	14.858	15.666	16.268	13.606	0.123	0.079	3.742	FO
444282	5 ^h 29 ^m 33 ^s .38	-69°21'01".8	6.22700	439.19026	14.497	15.358	16.038	13.162	0.117	0.295	5.063	FU
LMC_SC4												
41	5 ^h 25 ^m 32 ^s .64	-70°13'02".2	3.37454	444.08657	15.342	16.108	16.703	14.157	0.130	0.403	4.594	FU
65	5 ^h 25 ^m 20 ^s .38	-70°15'09".4	1.67930	443.62346	15.742	16.430	16.989	14.677	0.130	0.168	4.647	FO
6353	5 ^h 25 ^m 28 ^s .55	-70°11'58".8	4.07697	441.57140	15.046	15.803	16.430	13.874	0.130	0.409	4.744	FU
13514	5 ^h 25 ^m 04 ^s .27	-70°06'29".4	5.00702	442.21866	14.852	15.739	16.550	13.480	0.130	0.280	4.878	FU
20960	5 ^h 25 ^m 10 ^s .65	-70°05'10".4	2.91625	443.79777	14.691	15.325	15.763	13.710	0.130	0.081	3.689	FO
36200	5 ^h 25 ^m 12 ^s .99	-69°56'51".2	3.47660	442.66275	14.502	15.174	15.696	13.463	0.120	0.112	3.546	FO
36266	5 ^h 25 ^m 29 ^s .41	-69°55'12".6	6.80614	438.48105	14.563	15.512	16.383	13.094	0.120	0.260	5.261	FO
44867	5 ^h 25 ^m 30 ^s .39	-69°52'15".6	7.18188	437.97132	14.132	14.905	15.583	12.934	0.120	0.348	5.366	FU
44876	5 ^h 25 ^m 28 ^s .93	-69°54'44".5	6.05549	442.01155	14.577	15.417	16.141	13.275	0.120	0.419	4.907	FU
45203	5 ^h 25 ^m 23 ^s .56	-69°52'32".6	1.15916	444.23604	16.547	17.189	17.637	15.552	0.120	0.355	4.143	FU
53458	5 ^h 25 ^m 15 ^s .39	-69°50'59".7	6.61962	443.56945	14.462	15.336	16.103	13.108	0.120	0.365	5.230	FU
53463	5 ^h 25 ^m 34 ^s .57	-69°50'08".2	2.53950	440.52924	14.392	15.308	16.074	12.975	0.120	0.285	4.752	FO
53468	5 ^h 25 ^m 18 ^s .14	-69°49'37".5	5.93565	444.37772	14.407	15.156	15.751	13.247	0.120	0.359	4.676	FU
53514	5 ^h 25 ^m 21 ^s .24	-69°50'17".5	5.97551	442.02593	14.642	15.533	16.289	13.264	0.120	0.383	4.831	FU
53518	5 ^h 25 ^m 30 ^s .47	-69°50'13".4	5.56684	443.02577	14.998	15.930	16.816	13.554	0.120	0.366	4.816	FU
53527	5 ^h 25 ^m 31 ^s .58	-69°50'03".7	7.68466	440.55810	14.834	16.029	17.044	12.984	0.120	0.307	5.533	FU
53528	5 ^h 25 ^m 29 ^s .09	-69°50'03".1	9.37703	440.78678	15.003	16.417	17.591	12.814	0.120	0.119	1.210	FU
53546	5 ^h 25 ^m 27 ^s .34	-69°49'29".3	6.40602	444.56575	14.435	15.237	15.980	13.192	0.120	0.337	5.174	FU
53552	5 ^h 25 ^m 21 ^s .54	-69°49'01".6	5.22583	444.96399	14.569	15.319	15.958	13.407	0.120	0.378	4.740	FU

Table 3
Continued

Star number	RA (J2000)	DEC (J2000)	P [days]	$T_0 - 2450000$ [HJD]	I [mag]	V [mag]	B [mag]	W_I [mag]	$E(B - V)$ [mag]	R_{21}	ϕ_{21}	Type
62567	5 ^h 25 ^m 24 ^s .26	-69° 44' 57".4	2.94654	442.51890	15.166	15.802	16.306	14.183	0.105	0.445	4.425	FU
71658	5 ^h 25 ^m 17 ^s .29	-69° 41' 20".9	2.86812	443.67533	15.325	15.998	16.541	14.284	0.105	0.413	4.445	FU
80546	5 ^h 25 ^m 22 ^s .50	-69° 40' 57".1	4.49008	441.29640	14.366	15.086	15.886	13.251	0.105	0.171	4.582	FO
98151	5 ^h 25 ^m 02 ^s .78	-69° 32' 08".5	1.38239	444.90485	15.864	16.543	17.085	14.812	0.118	0.107	4.392	FO
105767	5 ^h 25 ^m 33 ^s .41	-69° 29' 44".4	3.98662	444.14727	14.962	15.669	16.259	13.866	0.118	0.404	4.567	FU
105884	5 ^h 25 ^m 19 ^s .41	-69° 27' 05".2	1.87451	443.15515	16.048	16.717	17.177	15.013	0.118	0.492	4.253	FU
105933	5 ^h 25 ^m 27 ^s .51	-69° 29' 43".2	1.05932	444.92612	16.312	16.959	17.441	15.310	0.118	0.191	3.870	FO
131738	5 ^h 25 ^m 58 ^s .76	-70° 09' 49".1	3.12224	442.51719	14.643	15.300	15.786	13.626	0.130	0.049	4.426	FO
138319	5 ^h 25 ^m 56 ^s .45	-70° 09' 00".7	2.01815	443.54948	15.478	16.170	16.704	14.407	0.130	0.161	4.842	FO
145322	5 ^h 25 ^m 52 ^s .73	-70° 05' 30".3	2.14355	443.47666	15.110	15.687	16.092	14.217	0.130	0.000	-	FO
152290	5 ^h 25 ^m 39 ^s .92	-70° 01' 32".8	1.88788	443.28392	15.671	16.416	17.015	14.517	0.120	0.062	4.880	FO
167923	5 ^h 25 ^m 59 ^s .27	-69° 54' 49".1	12.36042	438.90829	13.785	14.753	15.676	12.286	0.120	0.043	3.806	FO
167947	5 ^h 25 ^m 55 ^s .02	-69° 54' 51".4	4.68002	443.46227	14.949	15.743	16.416	13.720	0.120	0.335	4.712	FU
167975	5 ^h 26 ^m 00 ^s .66	-69° 53' 33".6	3.13584	443.35688	14.898	15.650	16.207	13.733	0.120	0.063	3.136	FO
167981	5 ^h 25 ^m 53 ^s .28	-69° 53' 10".6	3.08351	443.07996	14.902	15.661	16.240	13.727	0.120	0.041	4.269	FO
168269	5 ^h 26 ^m 02 ^s .18	-69° 52' 10".0	0.72922	444.91573	16.837	17.507	17.807	15.801	0.120	0.060	4.293	FO
176263	5 ^h 25 ^m 41 ^s .36	-69° 50' 52".7	6.81389	439.72105	13.946	14.981	16.051	12.343	0.120	0.415	5.010	BR
176264	5 ^h 26 ^m 06 ^s .39	-69° 50' 24".6	7.29458	440.31389	14.301	15.129	15.875	13.017	0.120	0.312	5.417	FU
176266	5 ^h 25 ^m 40 ^s .74	-69° 50' 13".5	8.80196	439.87795	14.295	15.249	16.085	12.819	0.120	0.229	5.939	FU
176276	5 ^h 26 ^m 08 ^s .08	-69° 51' 31".7	5.60185	443.41627	14.623	15.428	16.092	13.375	0.120	0.400	4.860	FU
176307	5 ^h 25 ^m 44 ^s .65	-69° 49' 46".6	2.97632	444.48446	14.637	15.265	15.747	13.665	0.120	0.070	4.694	FO
176354	5 ^h 25 ^m 41 ^s .22	-69° 50' 52".5	6.81587	439.56372	15.728	16.530	17.073	14.485	0.120	0.343	5.166	FA
194399	5 ^h 26 ^m 15 ^s .89	-69° 42' 04".6	5.04519	444.40628	14.620	15.290	15.822	13.584	0.105	0.417	4.787	FU
203556	5 ^h 26 ^m 17 ^s .66	-69° 40' 02".6	3.19095	442.44358	14.606	15.238	15.722	13.628	0.105	0.089	3.651	FO
203564	5 ^h 25 ^m 59 ^s .90	-69° 39' 36".4	2.81381	444.44021	14.811	15.457	15.917	13.810	0.105	0.056	3.864	FO
219811	5 ^h 25 ^m 45 ^s .54	-69° 31' 14".3	6.31046	440.81233	14.516	15.341	16.068	13.239	0.118	0.217	5.111	FU
234256	5 ^h 25 ^m 54 ^s .22	-69° 26' 52".9	1.30851	444.63422	17.063	17.619	17.898	16.201	0.118	0.545	4.460	FA
245640	5 ^h 26 ^m 58 ^s .50	-70° 15' 49".0	4.15738	444.36486	15.051	15.824	16.478	13.853	0.130	0.404	4.646	FU
257644	5 ^h 26 ^m 38 ^s .19	-70° 09' 01".4	3.13230	443.35174	15.444	16.205	16.823	14.266	0.130	0.406	4.552	FU
257661	5 ^h 26 ^m 33 ^s .51	-70° 06' 56".0	2.18459	444.99737	15.448	16.245	16.860	14.215	0.130	0.098	4.829	FO
257687	5 ^h 26 ^m 52 ^s .44	-70° 08' 28".6	2.70653	444.07974	15.601	16.352	16.937	14.438	0.130	0.473	4.465	FU
264185	5 ^h 26 ^m 55 ^s .95	-70° 04' 47".3	7.17089	439.00115	14.376	15.231	15.963	13.052	0.130	0.360	5.226	FU
271200	5 ^h 26 ^m 56 ^s .02	-69° 58' 48".7	28.09916	432.32328	12.675	13.660	14.611	11.148	0.120	0.394	5.112	FU
271225	5 ^h 26 ^m 55 ^s .60	-70° 01' 03".9	4.94263	444.50497	14.615	15.338	15.923	13.496	0.120	0.427	4.581	FU
272276	5 ^h 26 ^m 27 ^s .29	-69° 58' 56".9	1.26372	444.28508	17.261	17.856	18.214	16.339	0.120	0.496	4.537	FA
287407	5 ^h 26 ^m 25 ^s .60	-69° 53' 20".6	3.20784	442.08472	14.484	15.073	15.542	13.571	0.120	0.064	2.988	FO
287408	5 ^h 26 ^m 19 ^s .73	-69° 53' 18".5	2.23768	443.96235	15.046	15.635	16.062	14.133	0.120	0.136	4.647	FO
295932	5 ^h 26 ^m 48 ^s .88	-69° 51' 33".6	4.16628	441.63659	14.338	14.996	15.570	13.320	0.120	0.249	4.111	FO
295958	5 ^h 26 ^m 18 ^s .17	-69° 48' 33".4	5.28458	441.49304	14.591	15.357	16.050	13.403	0.120	0.398	4.764	FU
295966	5 ^h 26 ^m 44 ^s .81	-69° 48' 09".6	7.51664	442.40546	14.219	14.954	15.621	13.082	0.120	0.248	5.432	FU
296000	5 ^h 26 ^m 31 ^s .90	-69° 50' 26".9	4.13355	443.50669	14.939	15.629	16.254	13.871	0.120	0.398	4.675	FU
296023	5 ^h 26 ^m 36 ^s .26	-69° 49' 18".3	3.54545	444.94859	15.194	15.904	16.544	14.094	0.120	0.401	4.555	FU
296040	5 ^h 26 ^m 19 ^s .18	-69° 48' 08".7	4.04370	441.30443	14.998	15.714	16.357	13.889	0.120	0.373	4.633	FU
296047	5 ^h 26 ^m 29 ^s .00	-69° 51' 20".0	3.08651	442.48017	15.298	15.951	16.482	14.287	0.120	0.428	4.460	FU
305691	5 ^h 26 ^m 50 ^s .13	-69° 45' 52".9	7.45743	443.64407	14.173	14.970	15.675	12.937	0.105	0.334	5.110	FU
305701	5 ^h 26 ^m 44 ^s .71	-69° 48' 04".6	5.99939	439.70120	14.665	15.483	-	13.398	0.105	0.198	4.304	FO
314629	5 ^h 26 ^m 29 ^s .16	-69° 44' 18".1	4.15579	441.37029	14.892	15.588	16.181	13.815	0.105	0.391	4.605	FU
331610	5 ^h 26 ^m 22 ^s .71	-69° 36' 07".5	7.75408	440.38317	13.999	14.736	15.353	12.857	0.105	0.308	5.128	FU
346169	5 ^h 26 ^m 23 ^s .64	-69° 27' 01".4	3.89528	444.15239	14.465	15.157	15.737	13.394	0.118	0.173	3.732	FO
363465	5 ^h 27 ^m 10 ^s .93	-70° 14' 03".1	3.16597	444.45920	15.135	15.821	16.324	14.073	0.130	0.402	4.347	FU
369698	5 ^h 27 ^m 28 ^s .78	-70° 10' 31".0	2.11649	444.10538	15.128	15.790	16.223	14.104	0.130	0.072	4.615	FO
369748	5 ^h 27 ^m 30 ^s .36	-70° 10' 46".3	2.49486	443.61363	15.696	16.490	17.061	14.467	0.130	0.478	4.409	FU
391223	5 ^h 27 ^m 15 ^s .16	-70° 00' 46".5	4.46457	443.25153	14.632	15.309	15.750	13.583	0.120	0.427	4.495	FU
391242	5 ^h 27 ^m 03 ^s .66	-70° 01' 33".9	4.47607	441.03856	14.916	15.708	16.314	13.690	0.120	0.245	4.600	FU
391255	5 ^h 27 ^m 21 ^s .19	-70° 00' 39".2	3.47904	442.50816	14.667	15.435	16.019	13.476	0.120	0.105	3.645	FO
391365	5 ^h 27 ^m 17 ^s .28	-69° 58' 52".9	1.58177	444.16887	16.103	16.761	17.244	15.085	0.120	0.420	4.247	FU
399359	5 ^h 27 ^m 37 ^s .73	-69° 57' 52".4	4.01450	444.53513	14.297	14.961	15.479	13.270	0.120	0.127	3.566	FO
399429	5 ^h 27 ^m 37 ^s .09	-69° 56' 26".8	3.70882	444.91386	15.163	16.061	16.647	13.772	0.120	0.380	4.654	FU
399434	5 ^h 27 ^m 11 ^s .45	-69° 56' 13".4	2.59668	442.59705	14.857	15.493	15.934	13.874	0.120	0.043	3.759	FO
408738	5 ^h 27 ^m 36 ^s .82	-69° 53' 42".8	7.32026	443.12864	14.028	14.831	15.499	12.783	0.120	0.358	5.222	FU
408742	5 ^h 27 ^m 21 ^s .41	-69° 52' 19".4	7.07075	438.18394	14.208	14.996	15.653	12.988	0.120	0.298	5.244	FU
417847	5 ^h 27 ^m 34 ^s .14	-69° 51' 22".4	7.49402	439.97483	13.870	14.625	15.243	12.701	0.120	0.411	4.959	FU
417848	5 ^h 26 ^m 59 ^s .59	-69° 51' 10".4	5.88305	442.73212	14.373	15.114	15.726	13.225	0.120	0.422	4.844	FU
417850	5 ^h 27 ^m 23 ^s .10	-69° 50' 57".9	7.37301	439.02644	14.303	15.157	15.895	12.981	0.120	0.273	5.633	FU
417853	5 ^h 27 ^m 05 ^s .12	-69° 50' 44".4	8.07404	440.06037	14.036	14.814	15.476	12.831	0.120	0.221	5.460	FU
417864	5 ^h 27 ^m 32 ^s .76	-69° 49' 14".8	4.58446	440.42349	14.076	14.792	15.381	12.967	0.120	0.183	4.326	FO
427313	5 ^h 27 ^m 00 ^s .88	-69° 47' 46".7	0.67413	444.59279	16.881	17.476	17.886	15.959	0.105	0.134	3.246	FO
436115	5 ^h 27 ^m 17 ^s .59	-69° 44' 25".7	2.73682	442.60966	15.394	16.181	16.793	14.175	0.105	0.384	4.442	FU
444352	5 ^h 27 ^m 11 ^s .85	-69° 40' 45".1	1.46360	443.64480	15.941	16.623	17.147	14.885	0.105	0.165	4.740	FO
452813	5 ^h 27 ^m 12 ^s .26	-69° 37' 19".6	1.54589	443.64930	16.729	17.321	17.619	15.811	0.105	0.549	4.533	FA

Table 3
Continued

Star number	RA (J2000)	DEC (J2000)	P [days]	$T_0 - 2450000$ [HJD]	I [mag]	V [mag]	B [mag]	W_I [mag]	$E(B - V)$ [mag]	R_{21}	ϕ_{21}	Type
461188	5 ^h 27 ^m 06 ^s .47	-69° 32' 32."2	25.40999	429.79485	17.882	18.908	19.952	16.292	0.118	0.259	3.777	FA
462268	5 ^h 27 ^m 05 ^s .84	-69° 31' 35."8	18.93282	431.94980	18.355	19.378	20.100	16.770	0.118	0.382	5.129	FA
LMC_SCS												
12	5 ^h 22 ^m 29 ^s .51	-70° 09' 14."9	3.23227	442.70858	15.323	16.226	-	13.925	0.130	0.453	4.578	FU
16	5 ^h 22 ^m 29 ^s .04	-70° 09' 10."4	3.16732	442.08470	15.197	16.027	-	13.910	0.130	0.460	4.549	FU
19	5 ^h 22 ^m 30 ^s .04	-70° 08' 59."6	2.97304	444.02105	15.486	16.266	16.902	14.278	0.130	0.486	4.534	FU
63	5 ^h 22 ^m 30 ^s .25	-70° 09' 14."0	3.35425	443.01060	15.629	16.634	-	14.073	0.130	0.445	4.661	FU
93	5 ^h 22 ^m 52 ^s .13	-70° 07' 47."4	2.75104	444.17205	15.492	16.177	16.700	14.431	0.130	0.448	4.477	FU
94	5 ^h 22 ^m 52 ^s .97	-70° 07' 46."2	2.66854	444.93735	15.387	15.957	16.371	14.504	0.130	0.480	4.451	FU
6197	5 ^h 22 ^m 27 ^s .02	-70° 05' 14."2	2.71916	443.64259	15.561	16.361	17.023	14.321	0.130	0.412	4.499	FU
12934	5 ^h 22 ^m 40 ^s .30	-70° 00' 39."6	4.83109	443.96687	14.803	15.634	16.292	13.514	0.130	0.426	4.779	FU
13053	5 ^h 22 ^m 41 ^s .18	-69° 58' 43."3	2.65592	442.69038	15.621	16.426	16.948	14.373	0.130	0.466	4.507	FU
13161	5 ^h 22 ^m 39 ^s .87	-69° 59' 57."5	18.76287	438.92028	16.625	17.782	18.815	14.834	0.130	0.000	-	FA
19786	5 ^h 22 ^m 34 ^s .94	-69° 55' 43."6	3.56713	443.70726	15.072	15.804	16.343	13.939	0.130	0.437	4.531	FU
19806	5 ^h 22 ^m 39 ^s .29	-69° 58' 09."6	2.58067	443.68159	15.571	16.314	16.842	14.420	0.130	0.456	4.446	FU
26913	5 ^h 22 ^m 27 ^s .44	-69° 53' 24."4	5.73854	444.31113	14.622	15.559	16.299	13.171	0.115	0.337	4.994	FU
26915	5 ^h 22 ^m 50 ^s .68	-69° 53' 20."2	5.62565	439.58896	14.792	15.702	16.473	13.383	0.115	0.384	5.017	FU
26917	5 ^h 22 ^m 56 ^s .09	-69° 53' 00."6	8.22125	441.33920	15.204	16.333	17.314	13.456	0.115	0.114	5.637	FA
27004	5 ^h 22 ^m 42 ^s .90	-69° 52' 16."4	1.68116	444.15557	15.811	16.608	17.200	14.575	0.115	0.149	4.542	FO
41272	5 ^h 23 ^m 01 ^s .19	-69° 44' 59."6	6.01317	439.04535	14.521	15.348	16.135	13.241	0.115	0.144	4.978	FO
41285	5 ^h 22 ^m 52 ^s .02	-69° 47' 30."9	4.33283	442.77850	14.906	15.716	16.365	13.651	0.115	0.426	4.503	FU
49713	5 ^h 22 ^m 48 ^s .41	-69° 42' 45."7	3.66119	441.55763	15.010	15.703	16.271	13.937	0.115	0.411	4.561	FU
58237	5 ^h 22 ^m 40 ^s .75	-69° 40' 28."2	3.81884	441.95224	14.983	15.705	16.314	13.865	0.108	0.385	4.581	FU
58244	5 ^h 22 ^m 31 ^s .89	-69° 39' 56."1	2.08008	444.04715	15.344	16.068	16.658	14.223	0.108	0.057	4.665	FO
67063	5 ^h 22 ^m 41 ^s .89	-69° 35' 05."4	7.39390	438.82166	14.217	15.060	15.831	12.911	0.108	0.295	5.468	FU
67261	5 ^h 22 ^m 34 ^s .05	-69° 37' 14."1	0.94713	444.31508	16.378	17.059	17.447	15.323	0.108	0.149	3.679	FO
75989	5 ^h 22 ^m 29 ^s .61	-69° 32' 59."7	2.23832	443.79213	15.113	15.791	16.314	14.063	0.108	0.097	5.016	FO
76001	5 ^h 22 ^m 00 ^s .72	-69° 32' 17."6	3.06673	443.51815	15.153	15.753	16.189	14.224	0.108	0.416	4.397	FU
76136	5 ^h 22 ^m 40 ^s .46	-69° 30' 30."7	2.44415	442.62507	15.662	16.330	16.963	14.629	0.108	0.440	4.526	FU
92750	5 ^h 22 ^m 58 ^s .38	-69° 25' 20."6	20.96696	433.30820	16.914	17.430	17.577	16.114	0.133	0.000	-	FA
99563	5 ^h 22 ^m 56 ^s .38	-69° 19' 58."9	3.34573	444.02933	15.173	15.877	16.454	14.084	0.133	0.409	4.558	FU
99645	5 ^h 22 ^m 48 ^s .13	-69° 20' 03."3	2.65611	444.17444	15.644	16.362	16.944	14.532	0.133	0.341	4.467	FU
106159	5 ^h 22 ^m 54 ^s .05	-69° 18' 58."4	4.61999	444.31734	14.832	15.600	16.267	13.641	0.133	0.419	4.803	FU
106184	5 ^h 23 ^m 04 ^s .83	-69° 16' 57."6	5.06341	441.53173	14.757	15.536	16.260	13.550	0.133	0.342	4.893	FU
118857	5 ^h 23 ^m 09 ^s .15	-70° 06' 37."7	2.78684	443.35099	15.491	16.269	16.876	14.286	0.130	0.382	4.459	FU
118861	5 ^h 23 ^m 14 ^s .18	-70° 06' 24."4	2.99676	443.77183	15.445	16.178	16.785	14.311	0.130	0.427	4.541	FU
124645	5 ^h 23 ^m 14 ^s .43	-70° 03' 13."1	3.34851	443.91582	15.367	16.144	16.787	14.163	0.130	0.441	4.680	FU
131209	5 ^h 23 ^m 39 ^s .29	-70° 00' 14."2	4.48370	444.96062	14.867	15.605	16.249	13.723	0.130	0.392	4.718	FU
131307	5 ^h 23 ^m 06 ^s .80	-69° 59' 18."6	1.74751	443.83329	15.677	16.377	16.894	14.594	0.130	0.122	4.810	FO
138031	5 ^h 23 ^m 31 ^s .09	-69° 58' 18."7	2.68111	442.50234	14.814	15.374	15.757	13.946	0.130	0.071	4.403	FO
138033	5 ^h 23 ^m 09 ^s .54	-69° 58' 08."7	4.06416	443.03777	15.153	15.939	16.607	13.936	0.130	0.322	4.690	FU
138037	5 ^h 23 ^m 38 ^s .03	-69° 57' 53."5	5.49220	444.99330	14.731	15.524	16.188	13.503	0.130	0.394	4.925	FU
145264	5 ^h 23 ^m 19 ^s .43	-69° 53' 35."3	5.73165	441.77573	14.408	15.090	15.592	13.352	0.115	0.439	4.775	FU
145323	5 ^h 23 ^m 15 ^s .98	-69° 53' 58."1	2.53844	444.80215	15.682	16.392	16.914	14.582	0.115	0.456	4.330	FU
169480	5 ^h 23 ^m 33 ^s .28	-69° 43' 39."8	1.64317	444.45900	15.665	16.330	16.859	14.636	0.115	0.069	4.524	FO
193998	5 ^h 23 ^m 07 ^s .82	-69° 33' 50."0	1.31288	443.87828	16.126	16.833	17.360	15.030	0.108	0.533	4.133	FU
201322	5 ^h 23 ^m 35 ^s .44	-69° 27' 38."0	4.93953	442.88721	14.756	15.505	16.210	13.596	0.108	0.338	4.814	FU
201368	5 ^h 23 ^m 11 ^s .82	-69° 28' 41."5	1.57432	443.93700	15.818	16.486	-	14.785	0.108	0.123	4.454	FO
220851	5 ^h 23 ^m 29 ^s .15	-69° 18' 37."7	19.16700	438.88425	13.138	14.070	14.986	11.694	0.133	0.265	5.038	FO
238336	5 ^h 23 ^m 52 ^s .33	-70° 03' 30."0	3.40961	442.28024	15.299	16.080	16.694	14.089	0.130	0.427	4.586	FU
251617	5 ^h 23 ^m 04 ^s .29	-69° 58' 20."0	2.07537	443.48096	16.010	16.740	17.238	14.880	0.130	0.472	4.435	FU
267078	5 ^h 24 ^m 19 ^s .42	-69° 50' 41."0	3.94091	442.58120	14.283	14.925	15.432	13.288	0.115	0.000	-	FO
267138	5 ^h 24 ^m 21 ^s .44	-69° 48' 30."5	6.02080	440.93035	14.418	15.170	15.808	13.253	0.115	0.388	4.999	FU
267140	5 ^h 24 ^m 06 ^s .56	-69° 48' 22."2	4.82018	442.16826	14.787	15.590	16.282	13.542	0.115	0.293	4.689	FU
275320	5 ^h 24 ^m 20 ^s .30	-69° 46' 24."7	3.66130	444.10632	14.356	14.994	15.459	13.370	0.115	0.044	3.260	FO
275412	5 ^h 24 ^m 25 ^s .64	-69° 46' 19."1	2.37496	443.48611	15.668	16.361	16.931	14.595	0.115	0.443	4.420	FU
283844	5 ^h 24 ^m 24 ^s .79	-69° 42' 30."4	6.37661	438.80265	14.563	15.402	16.127	13.263	0.115	0.167	5.026	FO
300245	5 ^h 24 ^m 25 ^s .36	-69° 36' 12."8	2.35853	444.98888	14.958	15.542	15.992	14.052	0.108	0.119	4.664	FO
300293	5 ^h 24 ^m 17 ^s .17	-69° 37' 14."9	1.44358	444.27848	15.754	16.339	16.793	14.847	0.108	0.161	4.240	FO
315434	5 ^h 24 ^m 13 ^s .58	-69° 30' 01."7	13.12514	432.46948	13.781	-	15.673	-	0.108	0.068	3.972	FU
323141	5 ^h 23 ^m 56 ^s .01	-69° 25' 30."1	1.96668	443.58844	17.807	18.651	19.375	16.499	0.133	0.159	5.233	FA
327787	5 ^h 23 ^m 53 ^s .68	-69° 20' 50."4	3.89853	443.85972	14.909	15.606	16.115	13.831	0.133	0.402	4.513	FU
338247	5 ^h 23 ^m 51 ^s .38	-69° 13' 55."6	3.32076	444.97280	15.388	16.183	16.804	14.158	0.133	0.435	4.588	FU
343036	5 ^h 25 ^m 04 ^s .27	-70° 06' 29."4	5.00672	442.15802	14.835	15.739	16.514	13.435	0.130	0.278	4.858	FU
349510	5 ^h 24 ^m 50 ^s .43	-70° 03' 57."6	2.43523	443.96107	14.860	15.479	15.882	13.900	0.130	0.065	4.572	FO
356870	5 ^h 24 ^m 52 ^s .83	-70° 00' 55."5	2.93873	442.66469	15.482	16.280	16.888	14.245	0.130	0.322	4.451	FU
364380	5 ^h 24 ^m 33 ^s .79	-69° 56' 21."9	5.85315	439.81								

Table 3
Continued

Star number	RA (J2000)	DEC (J2000)	P [days]	$T_0 - 2450000$ [HJD]	I [mag]	V [mag]	B [mag]	W_I [mag]	$E(B - V)$ [mag]	R_{21}	ϕ_{21}	Type
399079	5 ^h 24 ^m 41 ^s .54	-69° 43' 31".9	3.95347	443.87493	14.925	15.630	16.121	13.832	0.115	0.440	4.530	FU
399097	5 ^h 24 ^m 45 ^s .40	-69° 42' 00".8	4.07161	443.85809	14.832	15.544	16.053	13.729	0.115	0.426	4.439	FU
416554	5 ^h 24 ^m 33 ^s .42	-69° 36' 40".2	7.77074	444.57915	13.951	14.702	15.244	12.788	0.108	0.324	5.185	FU
424993	5 ^h 25 ^m 02 ^s .79	-69° 32' 08".5	1.38240	444.88888	15.866	16.566	17.076	14.783	0.108	0.112	4.226	FO
432746	5 ^h 24 ^m 44 ^s .04	-69° 30' 26".8	6.69708	438.42054	14.397	15.229	15.914	13.107	0.108	0.341	5.338	FU
432811	5 ^h 24 ^m 55 ^s .38	-69° 29' 32".3	1.13065	444.98097	15.957	16.600	17.052	14.961	0.108	0.191	3.828	FO
451420	5 ^h 24 ^m 59 ^s .13	-69° 18' 15".5	0.74854	444.90216	16.657	17.294	17.687	15.672	0.133	0.232	3.673	FO
455916	5 ^h 24 ^m 57 ^s .16	-69° 13' 32".8	9.56961	439.89357	13.970	14.913	-	12.510	0.133	0.193	5.024	FU
LMC_SC6												
11	5 ^h 20 ^m 23 ^s .09	-70° 02' 33".1	6.48199	442.29193	14.366	15.126	15.759	13.190	0.138	0.396	5.241	FU
27321	5 ^h 20 ^m 06 ^s .01	-69° 51' 02".6	0.51358	444.80807	17.223	17.952	18.346	16.095	0.125	0.104	2.648	FO
40971	5 ^h 20 ^m 05 ^s .12	-69° 42' 39".6	1.90654	443.92972	15.447	16.161	16.775	14.341	0.125	0.117	4.768	FO
66530	5 ^h 20 ^m 37 ^s .50	-69° 30' 56".6	8.69372	442.84074	13.966	14.706	15.419	12.819	0.107	0.185	5.387	FU
66641	5 ^h 20 ^m 31 ^s .30	-69° 32' 14".0	2.71388	444.00445	15.483	16.111	16.640	14.511	0.107	0.472	4.520	FU
67038	5 ^h 20 ^m 17 ^s .35	-69° 30' 11".3	4.12283	444.13111	15.123	15.676	16.464	14.265	0.107	0.496	4.461	FA
75997	5 ^h 20 ^m 19 ^s .23	-69° 26' 45".8	2.95020	442.44420	14.568	15.128	15.597	13.700	0.107	0.000	-	FO
85035	5 ^h 20 ^m 03 ^s .62	-69° 25' 01".2	1.73684	443.75238	15.429	16.068	16.628	14.441	0.107	0.147	4.523	FO
85348	5 ^h 20 ^m 24 ^s .71	-69° 24' 26".0	20.09245	430.31280	16.271	17.364	18.363	14.578	0.107	0.000	-	FA
86027	5 ^h 20 ^m 02 ^s .64	-69° 23' 54".2	0.40354	444.87352	17.563	18.111	18.562	16.713	0.107	0.232	2.840	FO
102424	5 ^h 19 ^m 58 ^s .84	-69° 19' 15".4	4.79637	444.55948	14.559	-	-	-	0.123	0.424	4.752	FU
102475	5 ^h 20 ^m 04 ^s .63	-69° 16' 50".9	3.35922	443.46177	15.072	15.753	16.306	14.017	0.123	0.414	4.470	FU
110701	5 ^h 20 ^m 12 ^s .85	-69° 13' 07".3	18.31313	441.18106	16.992	17.664	18.169	15.953	0.123	0.000	-	FA
118107	5 ^h 20 ^m 00 ^s .06	-69° 10' 25".4	15.54830	439.97770	13.667	14.873	-	11.798	0.123	0.307	5.063	FU
118144	5 ^h 20 ^m 20 ^s .71	-69° 12' 21".0	10.52246	435.56057	16.132	17.042	17.846	14.723	0.123	0.150	1.502	FA
130073	5 ^h 20 ^m 43 ^s .50	-69° 58' 23".2	1.99746	443.62180	15.520	16.230	16.747	14.420	0.138	0.214	5.234	FO
130129	5 ^h 21 ^m 15 ^s .57	-70° 00' 26".7	1.74146	444.69765	16.805	18.294	19.449	14.498	0.138	0.119	4.633	FO
135695	5 ^h 20 ^m 44 ^s .35	-69° 57' 15".7	1.86498	444.52006	15.497	16.115	16.633	14.539	0.138	0.137	4.678	FO
135716	5 ^h 20 ^m 46 ^s .60	-69° 55' 25".4	2.83883	444.90803	14.830	15.511	16.092	13.775	0.138	0.061	5.203	FO
135720	5 ^h 21 ^m 17 ^s .49	-69° 55' 04".2	5.48026	440.33404	15.048	16.055	16.961	13.489	0.138	0.377	4.938	FU
135722	5 ^h 20 ^m 55 ^s .05	-69° 54' 59".4	1.88902	443.41746	15.593	16.297	16.871	14.504	0.138	0.125	5.058	FO
149017	5 ^h 21 ^m 15 ^s .12	-69° 49' 33".9	6.41560	440.69143	14.289	14.995	15.598	13.195	0.126	0.405	5.022	FU
149023	5 ^h 20 ^m 56 ^s .08	-69° 48' 20".5	6.39017	444.24626	14.277	14.984	15.603	13.181	0.126	0.405	4.968	FU
149048	5 ^h 20 ^m 38 ^s .86	-69° 49' 00".6	2.26109	443.99238	15.249	15.952	16.517	14.162	0.125	0.105	4.868	FO
149085	5 ^h 20 ^m 45 ^s .84	-69° 50' 15".8	3.19340	443.89459	15.461	16.253	16.914	14.235	0.125	0.395	4.543	FU
156009	5 ^h 20 ^m 59 ^s .14	-69° 46' 32".0	3.88564	444.44699	15.126	15.809	16.377	14.068	0.125	0.468	4.656	FU
156035	5 ^h 20 ^m 59 ^s .75	-69° 45' 28".7	1.67056	443.86199	15.619	16.188	16.611	14.738	0.125	0.155	4.344	FO
170439	5 ^h 21 ^m 05 ^s .21	-69° 40' 36".1	4.26399	443.75614	15.210	16.007	16.692	13.974	0.126	0.378	4.806	FU
179065	5 ^h 20 ^m 42 ^s .44	-69° 35' 10".8	1.28091	444.19544	16.001	16.608	17.042	15.061	0.107	0.151	4.128	FO
179066	5 ^h 21 ^m 04 ^s .68	-69° 35' 05".6	1.36431	444.56305	15.849	16.498	17.060	14.844	0.107	0.134	4.381	FO
214270	5 ^h 20 ^m 52 ^s .47	-69° 21' 13".9	2.37270	444.53879	14.959	15.505	15.909	14.114	0.123	0.111	4.800	FO
215189	5 ^h 20 ^m 41 ^s .11	-69° 20' 39".1	10.14732	436.22273	17.382	18.497	19.285	15.654	0.123	0.117	4.167	FA
236501	5 ^h 20 ^m 55 ^s .15	-69° 09' 55".8	0.62865	444.39866	16.837	17.412	17.855	15.947	0.123	0.174	2.803	FO
242669	5 ^h 21 ^m 49 ^s .23	-70° 04' 34".5	24.83793	423.32728	15.244	15.893	16.552	14.239	0.138	0.392	5.671	FA
242748	5 ^h 21 ^m 21 ^s .93	-70° 02' 48".9	2.85193	444.39411	15.704	16.535	17.177	14.415	0.138	0.454	4.481	FU
242764	5 ^h 21 ^m 40 ^s .54	-70° 02' 01".4	2.60608	444.48253	15.924	16.793	17.480	14.577	0.138	0.481	4.510	FU
248240	5 ^h 21 ^m 47 ^s .04	-69° 59' 49".0	1.69515	444.53044	15.770	16.500	17.024	14.640	0.138	0.200	4.378	FO
248263	5 ^h 21 ^m 32 ^s .05	-69° 58' 49".4	1.66405	444.28901	16.153	17.070	17.797	14.734	0.138	0.105	5.016	FO
253982	5 ^h 21 ^m 42 ^s .26	-69° 56' 21".2	2.88334	443.72075	15.070	15.478	15.648	14.439	0.138	0.452	4.510	FU
254054	5 ^h 21 ^m 24 ^s .54	-69° 56' 34".2	3.09206	442.57315	15.577	16.391	17.037	14.316	0.138	0.453	4.543	FU
254057	5 ^h 21 ^m 22 ^s .65	-69° 56' 28".2	3.38313	443.41709	15.613	16.519	17.241	14.210	0.138	0.445	4.564	FU
254091	5 ^h 21 ^m 30 ^s .10	-69° 55' 12".0	2.93396	444.13409	15.827	16.727	17.437	14.433	0.138	0.458	4.538	FU
254530	5 ^h 21 ^m 19 ^s .79	-69° 56' 56".3	1.26602	444.93725	17.751	18.249	18.476	16.980	0.138	0.291	4.504	FA
260688	5 ^h 21 ^m 37 ^s .31	-69° 52' 51".2	3.01606	444.09650	15.512	16.259	16.756	14.355	0.138	0.505	4.463	FU
262021	5 ^h 21 ^m 48 ^s .27	-69° 53' 06".1	18.53205	439.75747	18.265	19.293	20.186	16.672	0.138	0.225	5.586	FA
267289	5 ^h 21 ^m 32 ^s .19	-69° 50' 31".4	1.84575	443.19386	15.555	16.232	16.745	14.506	0.126	0.180	4.411	FO
267410	5 ^h 21 ^m 50 ^s .43	-69° 49' 59".4	0.88863	444.49611	16.588	17.232	17.813	15.590	0.126	0.167	3.635	FO
273862	5 ^h 21 ^m 50 ^s .44	-69° 45' 58".0	2.91870	444.81652	14.699	15.553	16.278	13.377	0.125	0.346	4.525	BR
280559	5 ^h 21 ^m 20 ^s .19	-69° 40' 54".9	1.62104	444.38726	15.486	16.033	16.435	14.637	0.126	0.215	4.122	FO
287443	5 ^h 21 ^m 52 ^s .68	-69° 39' 59".6	3.40050	441.71779	14.487	15.077	15.549	13.572	0.125	0.072	3.953	FO
296003	5 ^h 21 ^m 52 ^s .81	-69° 36' 22".4	3.86933	441.99393	15.164	15.904	16.655	14.017	0.107	0.346	4.613	FU
296014	5 ^h 21 ^m 40 ^s .67	-69° 35' 52".9	2.63001	443.63695	14.796	15.325	15.765	13.976	0.107	0.000	-	FO
313781	5 ^h 21 ^m 45 ^s .98	-69° 27' 26".4	1.88168	444.27505	15.404	16.068	16.642	14.377	0.107	0.156	4.448	FO
330185	5 ^h 21 ^m 55 ^s .04	-69° 21' 50".5	2.48103	442.79616	14.531	15.212	15.706	13.476	0.123	0.083	4.086	BR
330218	5 ^h 21 ^m 47 ^s .38	-69° 20' 41".1	4.19084	443.79962	14.689	15.550	16.232	13.354	0.123	0.235	4.133	FO
330443	5 ^h 21 ^m 56 ^s .19	-69° 20' 56".2	0.72166	444.69697	16.558	17.259	17.829	15.474	0.123	0.174	3.239	BR
337291	5 ^h 21 ^m 56 ^s .15	-69° 19' 06".8	3.11760	444.86996	15.367	16.095	16.672	14.240	0.123	0.391	4.502	FU
337379	5 ^h 21 ^m 37 ^s .37	-69° 16' 46".7	1.59560	444.72885	15.834	16.522	17.081	14.769	0.123	0.164	4.488	FO
350603	5 ^h 21 ^m 18 ^s .99	-69° 11' 47".5	11.40947	433.66696	16.044	16.798	17.320	14.876	0.123	0.486	4.636	FA
356421	5 ^h 22 ^m 27 ^s .02	-70° 05' 14".3	2.71909	443.69550	15.578	16.361	16.959	14.365	0.138	0.431	4.480	FU
356428	5 ^h 22 ^m 12 ^s .38	-70° 04' 31".4	3.90219	444.13751	15.052	15.850	16.472	13.815	0.138	0.449	4.659	FU

Table 3
Continued

Star number	RA (J2000)	DEC (J2000)	P [days]	$T_0 - 2450000$ [HJD]	I [mag]	V [mag]	B [mag]	W_I [mag]	$E(B - V)$ [mag]	R_{21}	ϕ_{21}	Type
363181	5 ^h 22 ^m 15 ^s .65	-70°01'15."6	1.91686	444.70113	15.530	16.265	16.791	14.391	0.138	0.121	4.640	FO
363194	5 ^h 22 ^m 14 ^s .38	-70°00'29."7	2.79732	442.84828	14.815	15.527	16.092	13.712	0.138	0.030	5.021	FO
363198	5 ^h 22 ^m 16 ^s .92	-70°00'18."2	3.24923	442.68557	15.379	16.171	16.743	14.153	0.138	0.458	4.548	FO
363832	5 ^h 22 ^m 08 ^s .65	-70°00'11."0	0.38960	444.75339	17.624	18.232	18.643	16.683	0.138	0.222	2.888	FU
369970	5 ^h 22 ^m 34 ^s .95	-69°55'43."5	3.56717	443.69675	15.044	15.786	16.352	13.894	0.138	0.438	4.503	FU
369993	5 ^h 22 ^m 39 ^s .31	-69°58'09."5	2.58070	443.70279	15.534	16.289	16.957	14.365	0.138	0.460	4.405	FU
370053	5 ^h 22 ^m 08 ^s .31	-69°55'36."6	3.09197	442.36585	15.469	16.279	16.948	14.214	0.138	0.373	4.480	FU
377026	5 ^h 22 ^m 27 ^s .43	-69°53'24."4	5.73913	444.22041	14.627	15.513	16.227	13.256	0.138	0.315	4.960	FU
377097	5 ^h 22 ^m 02 ^s .28	-69°53'41."0	3.01105	444.65536	15.673	16.560	17.214	14.301	0.138	0.448	4.570	FU
377104	5 ^h 22 ^m 12 ^s .28	-69°53'35."3	2.85850	443.23236	16.191	17.449	18.403	14.243	0.138	0.409	4.470	FU
384159	5 ^h 22 ^m 25 ^s .71	-69°49'29."4	2.57456	442.63659	15.511	16.243	16.820	14.378	0.125	0.421	4.439	FU
397681	5 ^h 21 ^m 59 ^s .82	-69°43'08."3	2.98850	442.58060	15.352	16.072	16.600	14.237	0.125	0.403	4.541	FU
404591	5 ^h 22 ^m 19 ^s .50	-69°37'54."9	6.63242	438.43255	14.201	14.973	15.643	13.004	0.126	0.415	4.925	FU
404601	5 ^h 22 ^m 31 ^s .89	-69°39'56."0	2.08020	443.96018	15.365	16.067	16.650	14.279	0.125	0.092	4.922	FO
405017	5 ^h 22 ^m 34 ^s .06	-69°37'14."0	0.94716	444.30040	16.379	17.002	17.574	15.413	0.125	0.213	3.702	FO
405078	5 ^h 22 ^m 05 ^s .92	-69°40'24."8	1.20913	444.63244	17.663	18.573	19.084	16.254	0.125	0.271	4.351	FA
422324	5 ^h 22 ^m 29 ^s .62	-69°32'59."6	2.23825	443.72420	15.135	15.785	16.315	14.128	0.107	0.104	5.014	FO
422348	5 ^h 22 ^m 12 ^s .63	-69°31'06."4	5.63875	443.91906	14.581	15.306	15.894	13.459	0.107	0.363	5.104	FU
431558	5 ^h 22 ^m 23 ^s .42	-69°29'50."0	2.24761	444.31615	15.007	15.579	15.971	14.121	0.107	0.124	4.654	FO
440314	5 ^h 22 ^m 21 ^s .03	-69°23'36."4	3.71218	443.89619	15.140	15.941	16.576	13.898	0.107	0.341	4.658	FU
440325	5 ^h 22 ^m 13 ^s .12	-69°26'25."4	1.15102	444.75832	16.235	16.947	17.473	15.132	0.107	0.166	3.864	FO
447868	5 ^h 22 ^m 02 ^s .07	-69°22'46."6	3.26794	444.96711	15.331	16.110	16.719	14.124	0.123	0.416	4.604	FU
455072	5 ^h 22 ^m 00 ^s .52	-69°17'33."1	1.80719	444.60610	15.207	15.761	16.134	14.348	0.123	0.075	4.778	FO
LMC-SC7												
6475	5 ^h 17 ^m 55 ^s .36	-69°45'46."4	8.45920	438.46783	13.924	14.633	15.218	12.825	0.143	0.227	5.010	FU
6477	5 ^h 17 ^m 38 ^s .52	-69°45'19."4	5.57530	444.70565	14.479	15.233	15.897	13.311	0.143	0.417	4.769	FU
6487	5 ^h 17 ^m 35 ^s .80	-69°48'13."3	2.78737	444.96775	15.498	16.236	16.805	14.354	0.143	0.451	4.523	FU
6499	5 ^h 17 ^m 56 ^s .43	-69°47'21."3	3.04584	442.95021	15.425	16.142	16.717	14.315	0.143	0.457	4.570	FU
14056	5 ^h 17 ^m 51 ^s .29	-69°43'55."7	4.53213	440.56470	13.320	14.014	14.591	12.246	0.143	0.154	3.851	BR
14079	5 ^h 18 ^m 00 ^s .96	-69°44'11."1	3.21399	443.37433	14.688	15.342	15.862	13.675	0.143	0.040	4.111	FO
14108	5 ^h 17 ^m 40 ^s .21	-69°41'54."1	2.67689	443.58284	14.906	15.590	16.175	13.847	0.143	0.047	4.639	FO
21803	5 ^h 17 ^m 41 ^s .27	-69°41'26."0	3.34031	442.87204	15.249	16.017	16.699	14.058	0.143	0.267	4.473	FU
21841	5 ^h 17 ^m 56 ^s .63	-69°38'53."5	4.81308	442.24754	14.816	15.580	16.280	13.634	0.143	0.391	4.846	FU
21940	5 ^h 18 ^m 06 ^s .67	-69°39'00."5	3.79062	444.88430	15.259	16.027	16.671	14.068	0.143	0.410	4.662	FU
30165	5 ^h 18 ^m 01 ^s .36	-69°37'15."2	3.39528	443.33377	14.495	15.129	15.651	13.514	0.138	0.000	-	FO
30189	5 ^h 17 ^m 44 ^s .80	-69°35'59."0	1.90513	443.89393	15.190	15.750	16.184	14.322	0.138	0.197	4.542	FO
30199	5 ^h 17 ^m 55 ^s .09	-69°34'55."2	4.10536	441.92826	14.977	15.709	16.347	13.844	0.138	0.430	4.753	FU
30200	5 ^h 17 ^m 56 ^s .56	-69°34'53."1	3.28632	442.74251	15.121	15.755	16.220	14.140	0.138	0.390	4.498	FU
38692	5 ^h 17 ^m 40 ^s .78	-69°32'43."1	2.48133	444.20548	14.878	15.474	15.978	13.955	0.138	0.117	4.710	FO
47332	5 ^h 17 ^m 42 ^s .52	-69°30'32."7	2.41714	444.25791	14.930	15.535	16.005	13.993	0.138	0.070	4.625	FO
47466	5 ^h 17 ^m 50 ^s .04	-69°28'29."3	1.30877	444.48131	16.335	16.959	17.511	15.368	0.138	0.484	4.075	FU
55964	5 ^h 18 ^m 03 ^s .87	-69°25'36."0	6.73433	444.10686	14.305	15.060	15.752	13.136	0.138	0.393	5.079	FU
55965	5 ^h 17 ^m 31 ^s .85	-69°25'11."4	5.38312	440.37416	14.394	14.993	15.556	13.466	0.138	0.375	4.651	FU
64918	5 ^h 17 ^m 41 ^s .71	-69°21'31."5	3.36583	444.00860	15.624	16.549	17.289	14.191	0.142	0.422	4.608	FU
79610	5 ^h 17 ^m 35 ^s .81	-69°16'01."4	3.28909	444.68411	15.322	16.112	16.803	14.099	0.142	0.426	4.568	FU
79631	5 ^h 18 ^m 03 ^s .63	-69°15'14."1	2.48512	443.01920	15.792	16.469	17.011	14.743	0.142	0.432	4.560	FU
86332	5 ^h 17 ^m 30 ^s .84	-69°12'02."5	3.07787	444.76700	15.152	15.854	16.412	14.066	0.142	0.409	4.403	FU
93939	5 ^h 17 ^m 35 ^s .39	-69°09'17."5	3.41987	444.44651	15.127	15.851	16.535	14.006	0.146	0.348	4.609	FU
120458	5 ^h 18 ^m 07 ^s .25	-69°49'44."9	2.83181	444.86005	15.572	16.252	16.889	14.519	0.143	0.463	4.500	FU
126780	5 ^h 18 ^m 29 ^s .69	-69°48'41."1	2.98019	444.74114	15.596	16.419	17.035	14.322	0.143	0.389	4.581	FU
126816	5 ^h 18 ^m 08 ^s .90	-69°45'44."8	2.76160	442.50162	14.824	15.448	15.969	13.857	0.143	0.101	4.211	FO
126926	5 ^h 18 ^m 08 ^s .74	-69°45'23."0	2.20564	443.35917	15.814	16.500	16.996	14.752	0.143	0.434	4.282	FO
127752	5 ^h 18 ^m 35 ^s .83	-69°45'45."8	1.16728	444.00076	18.021	18.503	18.899	17.276	0.143	0.216	4.490	FA
134363	5 ^h 18 ^m 13 ^s .77	-69°42'21."0	2.69339	443.72271	14.897	15.537	16.091	13.908	0.143	0.041	4.793	FO
134411	5 ^h 18 ^m 17 ^s .91	-69°43'27."8	15.84419	437.07235	15.669	16.501	17.232	14.379	0.143	0.121	0.107	FA
142153	5 ^h 18 ^m 41 ^s .99	-69°38'23."2	6.45673	444.40728	14.531	15.351	16.020	13.261	0.143	0.415	4.995	FU
142893	5 ^h 18 ^m 39 ^s .16	-69°38'36."8	17.80781	427.90341	17.283	18.025	18.392	16.133	0.143	0.000	-	FA
149485	5 ^h 18 ^m 39 ^s .00	-69°35'16."7	3.26787	442.38156	15.385	16.114	16.762	14.257	0.138	0.392	4.575	FU
149541	5 ^h 18 ^m 35 ^s .54	-69°36'03."6	1.42276	444.78427	15.578	16.064	16.418	14.824	0.138	0.180	3.946	FO
157350	5 ^h 18 ^m 33 ^s .63	-69°32'15."9	2.34265	444.70641	15.183	15.836	16.352	14.172	0.138	0.106	4.754	FO
157381	5 ^h 18 ^m 29 ^s .08	-69°34'01."6	3.48190	442.88757	15.618	16.474	17.209	14.293	0.138	0.428	4.601	FU
165501	5 ^h 18 ^m 28 ^s .17	-69°27'46."1	4.37815	440.90495	15.019	15.815	16.550	13.787	0.138	0.232	4.728	FU
174573	5 ^h 18 ^m 41 ^s .07	-69°25'16."4	3.76557	444.39097	15.540	16.445	17.198	14.139	0.138	0.414	4.641	FU
184038	5 ^h 18 ^m 22 ^s .20	-69°21'47."5	13.51351	434.62084	13.561	14.499	15.413	12.109	0.142	0.129	4.745	FU
192212	5 ^h 18 ^m 26 ^s .95	-69°19'27."6	2.41249	444.85037	15.036	15.620	16.165	14.130	0.142	0.110	4.633	FO
214432	5 ^h 18 ^m 45 ^s .75	-69°06'32."8	2.17651	444.15002	15.204	15.898	16.425	14.130	0.146	0.129	4.572	FO
228382	5 ^h 18 ^m 31 ^s .67	-68°59'34."6	27.75581	418.08767	17.441	18.551	19.581	15.720	0.146	0.412	4.155	FA
234267	5 ^h 18 ^m 44 ^s .82	-68°57'14."7	1.03822	444.57855	16.463	17.125	17.607	15.439	0.146	0.216	4.089	FO
239698	5 ^h 19 ^m 26 ^s .55	-69°51'51."1	17.50730	429.56430	15.145	15.824	16.347	14.093	0.143	0.337	5.508	FA
262785	5 ^h 19 ^m 15 ^s .44	-69°41'28."6	5.58236	444.53343	14.615	15.413	16.155	13.378	0.143	0.294	4.866	FU

Table 3
Continued

Star number	RA (J2000)	DEC (J2000)	P [days]	$T_0 - 2450000$ [HJD]	I [mag]	V [mag]	B [mag]	W_I [mag]	$E(B - V)$ [mag]	R_{21}	ϕ_{21}	Type
262801	5 ^h 19 ^m 02 ^s .67	-69° 40' 10 ^{''} .2	5.50738	444.55471	14.425	15.087	15.637	13.401	0.143	0.414	4.698	FU
262813	5 ^h 18 ^m 51 ^s .17	-69° 39' 13 ^{''} .1	4.20540	442.85065	14.875	15.557	16.190	13.819	0.143	0.401	4.615	FU
270379	5 ^h 19 ^m 14 ^s .92	-69° 36' 18 ^{''} .2	13.28339	435.74090	13.407	14.210	14.969	12.162	0.138	0.222	4.964	FU
278113	5 ^h 18 ^m 56 ^s .49	-69° 34' 02 ^{''} .7	3.72421	444.02462	15.175	15.916	16.537	14.027	0.138	0.407	4.619	FU
286532	5 ^h 19 ^m 27 ^s .88	-69° 30' 30 ^{''} .3	21.60845	444.64855	12.993	14.027	15.108	11.392	0.138	0.154	4.083	FU
286535	5 ^h 19 ^m 17 ^s .30	-69° 30' 25 ^{''} .2	5.10046	442.34426	14.696	15.444	16.007	13.537	0.138	0.410	4.772	FU
295263	5 ^h 18 ^m 56 ^s .07	-69° 26' 27 ^{''} .7	1.98396	444.22438	16.074	16.821	17.444	14.917	0.138	0.431	4.274	FU
295775	5 ^h 18 ^m 58 ^s .93	-69° 26' 47 ^{''} .9	1.25797	444.37363	17.178	17.805	18.254	16.208	0.138	0.340	4.390	FA
303743	5 ^h 19 ^m 07 ^s .40	-69° 22' 56 ^{''} .5	3.49735	443.29751	15.185	15.858	16.509	14.144	0.142	0.401	4.526	FU
303837	5 ^h 18 ^m 49 ^s .22	-69° 21' 29 ^{''} .4	2.96047	443.46350	15.350	15.996	16.544	14.349	0.142	0.421	4.454	FU
303841	5 ^h 19 ^m 02 ^s .17	-69° 21' 17 ^{''} .8	2.72814	444.77648	15.643	16.354	16.980	14.541	0.142	0.350	4.506	FU
311535	5 ^h 19 ^m 25 ^s .52	-69° 18' 26 ^{''} .8	4.32379	444.14237	14.373	15.111	15.706	13.229	0.142	0.170	4.117	FO
318528	5 ^h 19 ^m 15 ^s .93	-69° 14' 45 ^{''} .8	5.57234	439.52090	14.630	15.383	16.043	13.464	0.142	0.426	4.997	FU
318535	5 ^h 18 ^m 58 ^s .31	-69° 16' 46 ^{''} .3	3.78799	444.25498	15.230	16.005	16.681	14.029	0.142	0.394	4.609	FU
318572	5 ^h 19 ^m 50 ^s .36	-69° 16' 36 ^{''} .4	3.64694	441.86758	15.169	15.860	16.396	14.099	0.142	0.414	4.605	FU
325281	5 ^h 19 ^m 01 ^s .90	-69° 12' 56 ^{''} .8	1.93168	444.57586	15.205	15.754	16.185	14.353	0.142	0.170	4.552	FO
325360	5 ^h 19 ^m 00 ^s .62	-69° 11' 30 ^{''} .4	2.64961	443.25720	15.643	16.343	16.953	14.560	0.142	0.305	4.392	FU
331967	5 ^h 19 ^m 23 ^s .38	-69° 09' 54 ^{''} .3	3.29933	443.77995	15.483	16.307	16.981	14.207	0.146	0.411	4.590	FU
332035	5 ^h 18 ^m 58 ^s .88	-69° 06' 32 ^{''} .6	2.93890	444.46092	15.884	16.754	17.440	14.535	0.146	0.424	4.591	FU
344559	5 ^h 18 ^m 56 ^s .27	-69° 02' 20 ^{''} .9	2.06312	443.78126	15.387	16.097	16.668	14.287	0.146	0.159	4.714	FO
356873	5 ^h 20 ^m 06 ^s .03	-69° 51' 02 ^{''} .6	0.51360	444.80918	17.200	17.857	18.532	16.183	0.143	0.152	2.578	FO
363953	5 ^h 19 ^m 44 ^s .64	-69° 46' 34 ^{''} .3	2.04151	444.87823	15.188	15.822	16.274	14.207	0.143	0.133	4.687	FO
372083	5 ^h 20 ^m 05 ^s .12	-69° 42' 39 ^{''} .6	1.90663	443.88032	15.444	16.181	16.768	14.302	0.143	0.125	4.849	FO
388032	5 ^h 19 ^m 38 ^s .13	-69° 37' 44 ^{''} .6	5.66859	444.44616	14.574	15.414	16.113	13.272	0.138	0.369	4.898	FU
388163	5 ^h 19 ^m 32 ^s .38	-69° 36' 34 ^{''} .0	1.91369	444.65412	15.772	16.607	17.243	14.478	0.138	0.129	4.816	FO
397050	5 ^h 19 ^m 40 ^s .48	-69° 34' 19 ^{''} .2	3.53205	441.73935	15.360	16.087	16.678	14.235	0.138	0.210	4.738	FO
406371	5 ^h 19 ^m 31 ^s .64	-69° 29' 09 ^{''} .0	2.19281	444.92055	15.148	15.790	16.266	14.156	0.138	0.142	4.905	FO
415723	5 ^h 20 ^m 03 ^s .60	-69° 25' 01 ^{''} .3	1.73676	443.75881	15.418	16.091	16.627	14.375	0.138	0.159	4.406	FO
424850	5 ^h 19 ^m 43 ^s .88	-69° 22' 53 ^{''} .9	3.08814	443.25615	14.583	15.171	15.645	13.671	0.142	0.098	3.669	FO
424890	5 ^h 19 ^m 41 ^s .14	-69° 23' 49 ^{''} .9	2.61978	443.48054	15.458	16.188	16.835	14.328	0.142	0.372	4.354	FU
424946	5 ^h 19 ^m 38 ^s .23	-69° 22' 00 ^{''} .7	3.10548	442.78083	15.387	16.099	16.767	14.284	0.142	0.320	4.621	FU
425296	5 ^h 20 ^m 02 ^s .63	-69° 23' 54 ^{''} .3	0.40354	444.87720	17.537	18.112	18.594	16.647	0.142	0.154	2.784	FO
432869	5 ^h 19 ^m 58 ^s .84	-69° 19' 15 ^{''} .4	4.79696	444.59469	14.565	15.240	15.715	13.519	0.142	0.434	4.750	FU
440072	5 ^h 20 ^m 04 ^s .64	-69° 16' 50 ^{''} .9	3.35898	443.50195	15.068	15.789	16.360	13.952	0.142	0.428	4.416	FU
440093	5 ^h 19 ^m 53 ^s .87	-69° 15' 26 ^{''} .6	3.15579	444.89914	14.755	15.536	16.201	13.545	0.142	0.000	-	FO
447509	5 ^h 20 ^m 00 ^s .06	-69° 10' 25 ^{''} .5	15.54851	440.00875	13.671	14.779	15.757	11.955	0.142	0.296	5.118	FU
447521	5 ^h 19 ^m 47 ^s .14	-69° 12' 29 ^{''} .3	4.73475	442.62612	14.852	15.676	16.393	13.576	0.142	0.337	4.818	FU
447530	5 ^h 19 ^m 28 ^s .12	-69° 11' 31 ^{''} .5	4.50969	444.50472	15.274	16.228	17.007	13.798	0.142	0.219	4.786	FU
460292	5 ^h 19 ^m 32 ^s .27	-69° 04' 47 ^{''} .2	1.27491	444.44430	16.614	17.357	17.880	15.463	0.146	0.407	4.151	FU
472701	5 ^h 19 ^m 30 ^s .45	-68° 57' 36 ^{''} .9	5.10290	443.45550	14.627	15.446	16.050	13.359	0.146	0.424	4.711	FU
472718	5 ^h 19 ^m 39 ^s .15	-68° 58' 40 ^{''} .4	1.19021	444.72647	16.242	16.977	17.512	15.103	0.146	0.185	4.182	FO
LMC_SC8												
21319	5 ^h 15 ^m 10 ^s .94	-69° 32' 23 ^{''} .0	5.42859	440.73741	14.440	15.146	15.693	13.346	0.133	0.449	4.748	FU
27430	5 ^h 15 ^m 20 ^s .06	-69° 26' 24 ^{''} .2	3.91829	444.51569	15.062	15.769	16.350	13.966	0.133	0.463	4.744	FU
33629	5 ^h 15 ^m 10 ^s .53	-69° 22' 58 ^{''} .3	7.88292	438.87427	14.104	14.954	15.707	12.787	0.133	0.320	5.460	FU
33692	5 ^h 15 ^m 03 ^s .34	-69° 25' 25 ^{''} .2	1.87650	443.88409	15.943	16.624	17.144	14.888	0.133	0.474	4.326	FU
33708	5 ^h 15 ^m 20 ^s .56	-69° 24' 42 ^{''} .9	3.21865	443.14807	15.327	16.170	16.722	14.021	0.133	0.377	4.463	FU
39745	5 ^h 15 ^m 25 ^s .84	-69° 20' 27 ^{''} .6	6.89000	441.24680	14.463	15.308	16.048	13.154	0.133	0.208	5.245	FU
52582	5 ^h 15 ^m 18 ^s .87	-69° 13' 32 ^{''} .1	7.97858	442.82983	14.130	14.958	15.732	12.846	0.136	0.272	5.527	FU
52604	5 ^h 15 ^m 28 ^s .32	-69° 13' 57 ^{''} .9	4.43522	443.42233	14.963	15.714	16.418	13.800	0.136	0.290	4.681	FU
52641	5 ^h 15 ^m 11 ^s .54	-69° 15' 07 ^{''} .7	3.18348	443.57556	15.326	16.106	16.774	14.118	0.136	0.201	4.383	FU
52668	5 ^h 15 ^m 04 ^s .76	-69° 13' 30 ^{''} .8	2.29822	444.67268	15.270	15.994	16.554	14.149	0.136	0.086	5.035	FO
64709	5 ^h 15 ^m 02 ^s .48	-69° 07' 43 ^{''} .0	5.39627	440.93161	14.605	15.456	16.229	13.287	0.136	0.345	4.848	FU
64724	5 ^h 15 ^m 24 ^s .77	-69° 06' 20 ^{''} .3	4.62280	443.34956	14.914	15.717	16.402	13.669	0.136	0.399	4.761	FU
64734	5 ^h 15 ^m 37 ^s .34	-69° 08' 16 ^{''} .5	3.53975	443.36233	15.263	16.039	16.697	14.061	0.136	0.324	4.522	FU
64736	5 ^h 15 ^m 16 ^s .95	-69° 08' 09 ^{''} .1	3.44635	444.66728	15.148	15.905	16.500	13.976	0.136	0.416	4.573	FU
70430	5 ^h 15 ^m 21 ^s .50	-69° 05' 01 ^{''} .2	4.07425	444.22413	14.315	15.169	15.839	12.993	0.142	0.416	4.381	BR
70457	5 ^h 15 ^m 06 ^s .88	-69° 01' 39 ^{''} .3	3.27744	443.61863	14.605	15.314	15.872	13.506	0.142	0.120	3.417	FO
76174	5 ^h 15 ^m 09 ^s .33	-68° 58' 49 ^{''} .3	2.90619	442.43915	14.658	15.308	15.828	13.651	0.142	0.075	4.590	FO
76176	5 ^h 15 ^m 01 ^s .23	-68° 58' 45 ^{''} .5	2.46017	444.78291	14.812	15.480	15.904	13.779	0.142	0.091	4.434	FO
76179	5 ^h 15 ^m 05 ^s .25	-68° 58' 39 ^{''} .1	2.46242	443.09468	14.925	15.611	16.115	13.863	0.142	0.083	4.730	FO
82008	5 ^h 15 ^m 08 ^s .72	-68° 54' 53 ^{''} .6	1.15217	444.75646	17.834	18.338	18.632	17.054	0.142	0.322	4.650	FA
86096	5 ^h 15 ^m 13 ^s .70	-68° 52' 50 ^{''} .2	3.82230	444.32857	15.081	15.900	16.583	13.813	0.142	0.295	4.570	FU
95310	5 ^h 15 ^m 58 ^s .15	-69° 42' 43 ^{''} .7	7.90667	441.87064	14.364	15.210	16.015	13.053	0.131	0.173	6.129	FU
100541	5 ^h 15 ^m 58 ^s .71	-69° 38' 08 ^{''} .8	1.41211	444.78013	15.986	16.662	17.192	14.939	0.131	0.184	4.296	FO
111955	5 ^h 16 ^m 09 ^s .97	-69° 32' 39 ^{''} .6	10.25259	442.54806	13.891	14.727	15.569	12.595	0.133	0.105	1.137	FO
111959	5 ^h 16 ^m 00 ^s .33	-69° 32' 17 ^{''} .6	8.67357	439.09302	14.005	14.824	15.664	12.737	0.133	0.242	5.473	FU
112083	5 ^h 15 ^m 37 ^s .55	-69° 30' 29 ^{''} .4	2.98282	443.80385	15.164	15.660	16.004	14.395	0.133	0.446	4.598	FU
112084	5 ^h 15 ^m 49 ^s .95	-69° 30' 28 ^{''} .9	3.24218	444.02148	15.295	15.987	16.595	14.224	0.133	0.387	4.561	FU

Table 3
Continued

Star number	RA (J2000)	DEC (J2000)	P [days]	$T_0 - 2450000$ [HJD]	I [mag]	V [mag]	B [mag]	W_I [mag]	$E(B - V)$ [mag]	R_{21}	ϕ_{21}	Type
118587	5 ^h 16 ^m 06 ^s .55	-69°28'25".3	6.16522	441.57690	14.387	15.074	15.696	13.323	0.133	0.427	4.944	FU
118595	5 ^h 15 ^m 52 ^s .55	-69°28'16".2	6.45160	440.43021	14.430	15.224	15.969	13.201	0.133	0.353	5.110	FU
118657	5 ^h 16 ^m 03 ^s .39	-69°28'28".3	1.66408	444.84690	15.323	15.853	16.260	14.502	0.133	0.228	4.361	FO
132537	5 ^h 15 ^m 45 ^s .59	-69°22'03".2	4.28705	443.70672	14.938	15.718	16.337	13.730	0.133	0.350	4.419	FU
132547	5 ^h 16 ^m 07 ^s .42	-69°20'47".4	3.59942	443.01841	14.494	15.114	15.623	13.533	0.133	0.159	3.766	FO
132583	5 ^h 15 ^m 57 ^s .11	-69°21'46".7	4.15491	441.65867	15.153	15.967	16.664	13.892	0.133	0.381	4.608	FU
138878	5 ^h 16 ^m 11 ^s .12	-69°18'05".3	2.55727	443.95564	15.132	15.858	16.431	14.008	0.136	0.061	4.535	FO
145094	5 ^h 15 ^m 38 ^s .46	-69°15'20".0	7.28978	444.57857	14.178	14.933	15.552	13.009	0.136	0.353	5.296	FU
145100	5 ^h 16 ^m 03 ^s .95	-69°14'52".6	6.77663	441.40440	14.675	15.581	16.401	13.272	0.136	0.279	5.389	FU
145110	5 ^h 15 ^m 46 ^s .08	-69°14'30".5	3.44680	443.93145	15.267	15.978	16.558	14.165	0.136	0.411	4.529	FU
145136	5 ^h 16 ^m 11 ^s .90	-69°15'26".1	2.81786	444.30604	15.482	16.184	16.773	14.396	0.136	0.395	4.432	FU
151151	5 ^h 16 ^m 17 ^s .66	-69°09'19".5	2.03362	444.28845	15.322	15.945	16.493	14.356	0.136	0.162	4.487	FO
156629	5 ^h 15 ^m 58 ^s .13	-69°05'13".3	2.28996	444.09202	15.085	15.691	16.134	14.147	0.136	0.084	5.015	FO
162069	5 ^h 15 ^m 40 ^s .58	-69°04'28".0	11.08945	436.80420	13.809	14.699	15.605	12.432	0.142	0.063	2.366	FU
162072	5 ^h 15 ^m 49 ^s .09	-69°04'19".2	4.37816	444.04311	14.250	14.918	15.439	13.217	0.142	0.159	4.410	FO
162087	5 ^h 16 ^m 00 ^s .00	-69°04'29".7	4.81002	444.53249	14.777	15.515	16.129	13.633	0.142	0.408	4.704	FU
162101	5 ^h 16 ^m 14 ^s .79	-69°02'32".8	2.91970	444.52602	14.826	15.469	15.969	13.830	0.142	0.079	3.485	FO
162104	5 ^h 16 ^m 53 ^s .87	-69°02'23".1	2.78110	444.66911	14.892	15.555	16.092	13.866	0.142	0.048	4.543	FO
162155	5 ^h 15 ^m 43 ^s .76	-69°02'55".6	2.29501	444.58915	15.737	16.422	16.977	14.676	0.142	0.455	4.408	FU
162176	5 ^h 16 ^m 08 ^s .10	-69°01'52".0	3.48603	442.30064	15.187	15.926	16.534	14.042	0.142	0.423	4.631	FU
167797	5 ^h 16 ^m 04 ^s .64	-68°59'50".5	5.68496	442.70903	14.592	15.404	16.115	13.334	0.142	0.341	4.995	FU
167854	5 ^h 16 ^m 58 ^s .33	-68°58'13".2	3.02822	443.86685	15.318	16.008	16.522	14.250	0.142	0.432	4.413	FU
167984	5 ^h 15 ^m 56 ^s .22	-69°01'29".3	1.31601	444.96662	17.179	17.813	18.225	16.198	0.142	0.431	4.457	FA
173028	5 ^h 16 ^m 15 ^s .84	-68°57'43".0	3.08807	444.19856	15.253	15.950	16.496	14.175	0.142	0.379	4.422	FU
173034	5 ^h 16 ^m 00 ^s .52	-68°57'07".3	2.89577	443.48328	15.527	16.272	16.865	14.373	0.142	0.335	4.607	FU
186984	5 ^h 16 ^m 41 ^s .34	-69°42'41".7	2.38015	443.55185	15.026	15.578	16.108	14.170	0.131	0.089	4.834	FO
192761	5 ^h 16 ^m 56 ^s .52	-69°39'19".9	3.97680	442.01084	15.051	15.765	16.457	13.945	0.131	0.405	4.686	FU
193607	5 ^h 16 ^m 48 ^s .83	-69°40'00".9	16.83266	430.40382	18.059	19.315	20.257	16.114	0.131	0.265	3.850	FA
194670	5 ^h 16 ^m 21 ^s .55	-69°36'59".4	1.21387	444.77899	17.776	18.061	18.460	17.335	0.131	0.285	5.096	FA
205092	5 ^h 16 ^m 25 ^s .81	-69°29'54".5	4.20069	444.90506	14.218	14.862	15.414	13.220	0.133	0.150	3.690	FO
205108	5 ^h 16 ^m 29 ^s .23	-69°32'08".4	3.51585	443.83084	14.495	15.128	15.650	13.516	0.133	0.146	3.589	FO
218916	5 ^h 16 ^m 29 ^s .21	-69°24'09".2	6.71230	442.12206	16.192	17.212	17.954	14.611	0.133	0.262	5.015	FA
224901	5 ^h 16 ^m 55 ^s .01	-69°19'50".6	7.52789	443.68551	14.189	15.010	15.739	12.918	0.133	0.312	5.124	FU
224912	5 ^h 16 ^m 52 ^s .78	-69°22'04".1	4.71766	441.67762	14.948	15.763	16.486	13.686	0.133	0.345	4.829	FU
224941	5 ^h 16 ^m 50 ^s .66	-69°19'29".9	3.86176	443.35356	14.381	15.003	15.482	13.417	0.133	0.219	3.893	FO
224964	5 ^h 16 ^m 39 ^s .19	-69°21'43".3	2.86626	443.48130	15.345	16.265	16.987	13.922	0.133	0.000	-	FO
230925	5 ^h 16 ^m 19 ^s .73	-69°18'20".4	7.67915	438.30493	14.291	15.219	16.088	12.853	0.136	0.256	5.443	FU
236976	5 ^h 16 ^m 39 ^s .70	-69°14'35".5	1.27013	444.91167	15.954	16.544	16.982	15.039	0.136	0.185	4.357	FO
254032	5 ^h 16 ^m 52 ^s .79	-69°01'56".6	9.20290	442.52549	14.029	14.860	15.575	12.740	0.142	0.119	5.368	FU
278827	5 ^h 17 ^m 18 ^s .55	-69°41'47".0	1.25068	444.91577	16.043	16.673	17.181	15.068	0.131	0.172	4.356	FO
285174	5 ^h 17 ^m 02 ^s .12	-69°38'51".8	4.87298	440.16574	13.815	14.545	15.190	12.685	0.131	0.185	4.003	BR
298699	5 ^h 17 ^m 18 ^s .18	-69°32'59".7	4.79323	444.01190	14.642	15.410	16.071	13.451	0.133	0.286	4.547	FU
298804	5 ^h 17 ^m 01 ^s .26	-69°30'35".9	3.56955	444.25872	15.255	16.023	16.704	14.064	0.133	0.412	4.572	FU
306227	5 ^h 17 ^m 07 ^s .60	-69°27'34".1	1.77079	443.71489	17.796	18.351	-	16.935	0.133	0.316	5.249	FA
312191	5 ^h 17 ^m 31 ^s .87	-69°25'11".5	5.38328	440.36729	14.381	15.017	15.564	13.398	0.133	0.492	4.795	FU
312226	5 ^h 16 ^m 58 ^s .77	-69°23'38".2	6.15394	442.50291	14.627	15.497	16.346	13.278	0.133	0.259	5.092	FU
318671	5 ^h 17 ^m 24 ^s .85	-69°20'57".8	8.17005	443.08395	13.852	14.579	15.192	12.727	0.133	0.267	5.158	FU
318777	5 ^h 17 ^m 09 ^s .92	-69°20'54".1	1.76457	444.53548	15.597	16.285	16.809	14.532	0.133	0.162	4.409	FO
318794	5 ^h 16 ^m 59 ^s .97	-69°20'06".2	3.60737	443.20825	15.436	16.284	17.040	14.122	0.133	0.328	4.597	FU
319101	5 ^h 17 ^m 01 ^s .88	-69°22'03".2	0.65244	444.51511	16.983	17.898	18.518	15.567	0.133	0.280	3.541	BR
326025	5 ^h 17 ^m 35 ^s .81	-69°16'01".4	3.28918	444.65344	15.310	-	16.881	-	0.136	0.441	4.660	FU
326028	5 ^h 17 ^m 16 ^s .65	-69°15'41".5	1.41331	443.97546	15.769	16.394	16.846	14.800	0.136	0.091	4.354	FO
331753	5 ^h 17 ^m 01 ^s .57	-69°15'14".5	2.88734	443.91091	15.739	16.637	17.300	14.348	0.136	0.447	4.415	FU
331762	5 ^h 17 ^m 15 ^s .27	-69°14'52".5	2.05855	443.66224	15.925	16.863	17.728	14.473	0.136	0.076	4.737	FO
331780	5 ^h 17 ^m 07 ^s .60	-69°13'37".0	3.02532	444.04795	15.478	16.283	16.896	14.230	0.136	0.412	4.451	FU
331791	5 ^h 17 ^m 09 ^s .72	-69°13'14".0	2.90381	443.49091	15.534	16.312	17.025	14.329	0.136	0.421	4.534	FU
337497	5 ^h 17 ^m 30 ^s .83	-69°12'02".4	3.07789	444.78581	15.163	15.826	16.388	14.137	0.136	0.414	4.409	FU
337513	5 ^h 17 ^m 23 ^s .43	-69°11'03".3	2.97955	444.50518	15.272	15.970	16.560	14.192	0.136	0.365	4.427	FU
337546	5 ^h 17 ^m 35 ^s .40	-69°09'17".5	3.41976	442.49707	15.122	-	16.678	-	0.136	0.344	4.561	FU
363511	5 ^h 17 ^m 10 ^s .10	-68°52'19".5	0.92234	444.30269	16.550	17.218	17.754	15.517	0.142	0.143	3.780	FO
LMC_Sc9												
19849	5 ^h 12 ^m 46 ^s .12	-69°26'18".3	1.45380	443.85078	15.948	16.672	-	14.827	0.165	0.146	4.330	FO
26114	5 ^h 12 ^m 46 ^s .91	-69°21'21".3	1.07810	444.64060	16.293	16.997	-	15.204	0.165	0.151	3.658	FO
38558	5 ^h 12 ^m 45 ^s .66	-69°16'03".3	3.03363	444.41675	15.518	16.342	-	14.242	0.165	0.382	4.556	FU
45301	5 ^h 12 ^m 34 ^s .87	-69°12'34".3	3.99572	443.57818	15.069	15.922	-	13.748	0.156	0.429	4.698	FU
52800	5 ^h 12 ^m 30 ^s .52	-69°07'16".3	1.18161	444.21817	17.937	18.546	-	16.994	0.156	0.243	4.349	FA
58697	5 ^h 12 ^m 47 ^s .13	-69°06'09".0	6.87866	439.90021	14.130	14.917	-	12.911	0.156	0.384	4.865	FU
65304	5 ^h 12 ^m 49 ^s .86	-69°00'50".4	9.99343	438.22702	13.690	14.521	-	12.401	0.156	0.165	5.383	FU
65307	5 ^h 13 ^m 07 ^s .95	-69°03'09".4	9.30352	440.32061	14.003	14.857	-	12.681	0.156	0.217	6.052	FU

Table 3
Continued

Star number	RA (J2000)	DEC (J2000)	P [days]	$T_0 - 2450000$ [HJD]	I [mag]	V [mag]	B [mag]	W_I [mag]	$E(B - V)$ [mag]	R_{21}	ϕ_{21}	Type
65316	5 ^h 12 ^m 56 ^s .89	-69°01'43."4	4.42434	442.52227	14.216	14.943	-	13.091	0.156	0.181	4.179	FO
65386	5 ^h 12 ^m 57 ^s .75	-69°02'03."9	1.92847	443.51744	16.091	16.783	-	15.020	0.156	0.532	4.274	FU
71784	5 ^h 12 ^m 56 ^s .30	-68°57'52."4	3.48752	442.74370	15.201	15.914	-	14.096	0.149	0.430	4.604	FU
90526	5 ^h 13 ^m 04 ^s .16	-68°46'17."9	3.19764	442.96475	15.326	16.077	-	14.163	0.149	0.424	4.548	FU
140763	5 ^h 13 ^m 28 ^s .22	-69°11'52."1	2.32314	443.49067	15.116	15.767	-	14.108	0.156	0.122	4.500	FO
146976	5 ^h 13 ^m 46 ^s .57	-69°08'47."8	1.98730	443.16349	16.432	17.342	-	15.023	0.156	0.443	4.374	FU
153398	5 ^h 13 ^m 51 ^s .09	-69°06'27."7	0.94751	444.76843	16.434	17.100	-	15.404	0.156	0.161	3.598	FO
159993	5 ^h 13 ^m 18 ^s .74	-69°03'13."7	35.33761	428.25600	17.608	18.855	-	15.676	0.156	0.166	2.968	FA
166047	5 ^h 13 ^m 33 ^s .75	-68°57'07."4	2.77928	442.34260	15.512	16.273	-	14.334	0.149	0.435	4.455	FU
183616	5 ^h 13 ^m 18 ^s .22	-68°46'37."1	1.97522	443.74716	15.555	16.301	-	14.399	0.149	0.098	4.974	FO
198335	5 ^h 13 ^m 52 ^s .91	-69°34'48."9	5.19144	443.88001	15.106	16.044	-	13.654	0.143	0.340	4.988	FU
204218	5 ^h 14 ^m 19 ^s .51	-69°29'24."4	6.83291	442.08945	14.324	15.067	-	13.173	0.143	0.352	5.108	FU
210651	5 ^h 14 ^m 25 ^s .66	-69°25'02."3	4.45944	443.99124	14.331	15.062	-	13.200	0.165	0.184	4.653	FO
216934	5 ^h 13 ^m 53 ^s .10	-69°21'37."4	4.00097	443.75898	14.295	14.938	-	13.299	0.165	0.162	3.629	FO
216937	5 ^h 14 ^m 11 ^s .49	-69°21'26."8	3.82270	441.93119	14.356	14.965	-	13.413	0.165	0.152	3.481	FO
223837	5 ^h 14 ^m 16 ^s .32	-69°19'47."6	5.12530	444.18570	14.031	14.735	-	12.942	0.165	0.172	4.333	FO
223849	5 ^h 14 ^m 18 ^s .95	-69°20'45."3	2.25885	444.39257	15.331	16.014	-	14.273	0.165	0.129	4.886	FO
223916	5 ^h 14 ^m 01 ^s .93	-69°19'50."9	1.85809	444.78933	16.169	16.850	-	15.114	0.165	0.513	4.250	FU
230584	5 ^h 13 ^m 56 ^s .89	-69°15'56."8	4.39514	440.73271	14.463	15.216	-	13.297	0.165	0.207	4.650	FO
237192	5 ^h 13 ^m 49 ^s .99	-69°12'02."6	4.00835	444.76487	15.140	15.897	-	13.968	0.156	0.400	4.727	FU
250286	5 ^h 14 ^m 06 ^s .39	-69°04'26."1	4.90836	440.76094	14.581	15.274	-	13.508	0.156	0.429	4.564	FU
250306	5 ^h 13 ^m 49 ^s .29	-69°05'42."6	1.99022	443.24123	15.264	15.867	-	14.330	0.156	0.197	4.509	FO
250313	5 ^h 13 ^m 50 ^s .52	-69°05'01."4	3.35977	444.20537	15.233	15.969	-	14.092	0.156	0.451	4.492	FU
257189	5 ^h 14 ^m 15 ^s .02	-69°02'19."7	5.14870	444.92833	14.845	15.707	-	13.508	0.156	0.304	4.778	FU
257206	5 ^h 13 ^m 56 ^s .49	-69°00'55."8	2.91639	443.80427	15.531	16.296	-	14.347	0.156	0.441	4.535	FU
257262	5 ^h 14 ^m 07 ^s .60	-69°01'13."1	2.90817	444.68508	15.663	16.395	-	14.530	0.156	0.448	4.672	FU
263475	5 ^h 13 ^m 57 ^s .80	-68°59'02."7	2.03191	444.88078	15.286	16.079	-	14.058	0.149	0.200	4.156	FO
264013	5 ^h 14 ^m 27 ^s .14	-68°58'02."2	1.60931	443.63955	17.703	18.309	-	16.765	0.149	0.221	4.866	FA
269513	5 ^h 14 ^m 11 ^s .14	-68°55'34."7	3.51548	443.04875	14.610	-	-	-	0.149	0.129	3.569	FO
269545	5 ^h 14 ^m 11 ^s .00	-68°54'31."6	3.71317	444.00787	15.227	-	-	-	0.149	0.403	4.637	FU
304820	5 ^h 14 ^m 42 ^s .71	-69°30'56."7	2.42952	444.33541	14.830	15.438	-	13.889	0.143	0.114	4.581	FO
304869	5 ^h 14 ^m 39 ^s .09	-69°30'27."9	2.55341	444.07266	15.634	16.384	-	14.472	0.143	0.418	4.410	FO
326454	5 ^h 14 ^m 45 ^s .99	-69°19'58."4	3.36818	444.17553	15.236	15.974	-	14.092	0.165	0.404	4.501	FU
326516	5 ^h 14 ^m 46 ^s .23	-69°20'32."0	2.31107	444.13848	15.862	16.600	-	14.718	0.165	0.374	4.418	FU
342082	5 ^h 15 ^m 04 ^s .77	-69°13'30."8	2.29819	444.69330	15.267	15.984	-	14.157	0.156	0.079	5.434	FO
342099	5 ^h 14 ^m 49 ^s .62	-69°12'41."1	1.97100	444.95708	15.319	15.950	-	14.343	0.156	0.087	4.674	FO
349881	5 ^h 15 ^m 02 ^s .48	-69°07'43."1	5.39603	440.87303	14.614	15.496	-	13.249	0.156	0.346	4.949	FU
349918	5 ^h 14 ^m 36 ^s .60	-69°07'29."2	3.88027	443.97329	15.169	16.007	-	13.870	0.156	0.307	4.658	FU
357563	5 ^h 14 ^m 43 ^s .53	-69°04'26."1	2.61219	444.53399	14.904	15.576	-	13.865	0.156	0.069	4.641	FO
365050	5 ^h 14 ^m 54 ^s .16	-69°03'15."5	2.01206	443.25670	15.139	15.800	-	14.116	0.156	0.188	4.571	FO
372259	5 ^h 15 ^m 01 ^s .21	-68°58'45."5	2.46019	444.78880	14.846	15.474	-	13.874	0.149	0.067	5.006	FO
372261	5 ^h 15 ^m 05 ^s .23	-68°58'39."1	2.46226	443.13190	14.924	15.676	-	13.759	0.149	0.080	4.996	BR
372286	5 ^h 14 ^m 57 ^s .10	-68°56'38."9	3.17634	442.58109	15.301	16.132	-	14.012	0.149	0.411	4.484	FU
379131	5 ^h 14 ^m 49 ^s .01	-68°56'01."9	3.33832	444.88018	15.335	16.157	-	14.062	0.149	0.391	4.624	FU
379149	5 ^h 14 ^m 29 ^s .65	-68°54'35."5	3.83652	443.02006	15.205	16.033	-	13.921	0.149	0.409	4.687	FU
379150	5 ^h 14 ^m 40 ^s .38	-68°54'33."4	3.61618	442.93818	15.204	16.007	-	13.959	0.149	0.396	4.627	FU
385549	5 ^h 14 ^m 50 ^s .91	-68°50'28."9	2.31348	444.67092	15.237	15.984	-	14.080	0.149	0.000	-	FO
391734	5 ^h 14 ^m 52 ^s .25	-68°49'04."0	4.15370	442.79025	14.977	15.757	-	13.769	0.149	0.443	4.804	FU
LMC_SC10												
8660	5 ^h 10 ^m 26 ^s .66	-69°29'52."0	2.15758	444.56890	15.442	16.228	-	14.225	0.156	0.123	4.891	FO
8695	5 ^h 10 ^m 02 ^s .12	-69°27'19."1	3.65546	443.28941	15.718	17.006	-	13.723	0.156	0.414	4.678	FU
17041	5 ^h 10 ^m 17 ^s .99	-69°22'05."4	0.60685	444.66595	16.384	17.280	-	14.996	0.147	0.256	3.428	BR
27261	5 ^h 10 ^m 34 ^s .59	-69°13'44."1	3.07489	443.70086	15.415	16.164	-	14.255	0.147	0.423	4.466	FU
31368	5 ^h 10 ^m 23 ^s .86	-69°10'10."9	1.95515	443.28483	15.520	16.262	-	14.370	0.147	0.085	4.200	FO
35590	5 ^h 10 ^m 36 ^s .18	-69°08'18."0	13.90912	433.40500	13.463	14.346	-	12.097	0.146	0.188	5.083	FU
35605	5 ^h 09 ^m 59 ^s .36	-69°08'40."7	5.79145	440.59486	14.516	15.387	-	13.166	0.146	0.426	5.040	FU
35651	5 ^h 10 ^m 01 ^s .97	-69°07'44."2	1.76263	444.16156	15.230	15.899	-	14.195	0.146	0.116	4.478	BR
44984	5 ^h 10 ^m 03 ^s .02	-69°01'16."2	3.34135	442.01598	15.107	-	-	-	0.146	0.413	4.471	FU
49743	5 ^h 10 ^m 08 ^s .29	-68°56'27."2	2.29575	443.10180	15.080	15.753	-	14.039	0.146	0.081	4.730	FO
49799	5 ^h 10 ^m 05 ^s .46	-68°55'31."8	1.56520	444.92204	15.635	16.307	-	14.596	0.146	0.139	4.562	FO
54641	5 ^h 10 ^m 04 ^s .52	-68°53'29."7	2.71388	444.56352	15.452	16.192	-	14.305	0.132	0.446	4.453	FU
95782	5 ^h 11 ^m 08 ^s .86	-69°18'37."3	2.48383	443.03285	15.028	15.710	-	13.972	0.147	0.117	4.861	FO
95827	5 ^h 11 ^m 04 ^s .17	-69°17'58."0	1.97458	444.17766	15.445	16.122	-	14.396	0.147	0.138	5.031	FO
100658	5 ^h 10 ^m 37 ^s .53	-69°15'07."1	2.84513	443.46937	15.985	17.009	-	14.398	0.147	0.434	4.490	FU
105186	5 ^h 11 ^m 11 ^s .41	-69°12'30."0	3.12911	442.74291	15.319	16.032	-	14.214	0.147	0.465	4.475	FU
109838	5 ^h 11 ^m 06 ^s .20	-69°06'19."7	5.39189	441.49077	15.110	16.142	-	13.511	0.146	0.306	4.913	FU
109937	5 ^h 10 ^m 45 ^s .29	-69°06'28."3	1.41358	443.73167	16.313	17.015	-	15.227	0.146	0.297	4.041	FO
119173	5 ^h 10 ^m 56 ^s .38	-69°01'55."8	15.12761	429.91573	13.363	14.312	-	11.894	0.146	0.219	4.859	FU
132645	5 ^h 10 ^m 53 ^s .47	-68°50'24."9	1.57675	443.82833	15.691	16.277	-	14.782	0.132	0.127	4.525	FO