

27364	92836	89428	61268	74982	36998	32784	31277
48932	78987	32123	49817	26346	81287	65491	87364
75654	55656	12737	72727	72727	91918	63473	67867
87629	37677	32612	53498	71296	28756	18276	98716
76329	74698	76857	98670	27601	56701	57601	73648
87364	87265	96710	27630	12673	84769	28743	98127
63298	75698	27465	87326	49876	28376	81273	98615
87432	74328	78674	29867	32867	67867	86786	43286
68768	68763	34234	34238	68768	62342	48273	48768
98432	32432	86743	43286	43286	43286	43286	43286
86743	86743	39867	32867	86743	43286	43286	43243
86743	86743	86743	86743	86743	86743	86743	86743
98798	98754	98754	98754	98754	29867	67543	67986
87698	69876	87698	69876	87612	12341	34867	86798
43298	65656	56756	56123	32143	14321	32143	14321
58765	58765	76587	58765	76587	58765	76587	58756

Numbers & Oddities
a.k.a. The Spooks Newsletter
Edition #266, November 2019

Editor: Ary Boender email: udxf@udxf.nl
 Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.



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FOREWORD

Welcome to the 266th edition of Numbers and Oddities.

We started N&O in January 1995 so we're almost 25 years old. Not bad huh? It would be nice if you could send us historic numbers stuff or tell us how you became addicted to these stations so that we can include this in the 25th birthday edition.

The Russians revived old F01 and F06 (70202) schedules in October. The F06 station sent its last message on 11-11 but the F01 station is still alive on December 2nd. They also put several XPA2 slots on the air, all sending VERY long messages. See the XPA2 section for the complete messages.

I visited the Secret Communications Exhibition on 23 November. It was very interesting. A great collection of ENIGMA machines, bugs used by the STASI, KGB and CIA, and other interesting equipment. All excellently explained by the staff of the Crypto Museum and the Foundation for German Technology. Thanks gentlemen!!!! You will find a small photo impression below.

You can still visit the exhibition if you like. Here are the details

Secret Communications exhibition in Duivendrecht, The Netherlands.

Organised by the Foundation for German Technology and the Crypto Museum.

<https://www.cryptomuseum.com/events/2019/sc/index.htm>

Open from 1000 to 1700 hours local time (0800-1500 UTC) on the following dates:

Saturday 7 December 2019

Saturday 21 December 2019

Sunday 12 January 2020



The events are to be held:
Kloosterstraat 23-25
1115BJ Duivendrecht
The Netherlands
www.cdvandt.org

Crypto Museum
cryptomuseum.com

On Sats.
16 and 23 Nov 2019
07 and 21 Dec 2019
On Sun. 12 Jan 2020
Opening time from
10.00 to 17.00 h.

SECRET

COMMUNICATIONS 3



Bug detectors





Bug detectors



Geheimschreiber T52



Ecolex online/offline One-Time Tape (OTT) cipher machine



ENIGMA machines





Above: ENIGMA K machine and the KG-84 dedicated loop encryption device for digital data. Below: ENIGMA wheels





Above: ENIGMA machines. Below: Messempfänger zum Fernfeldmesser (measuring receiver)





WT 40 telegraphy device



East German radio set found inside a buried car battery





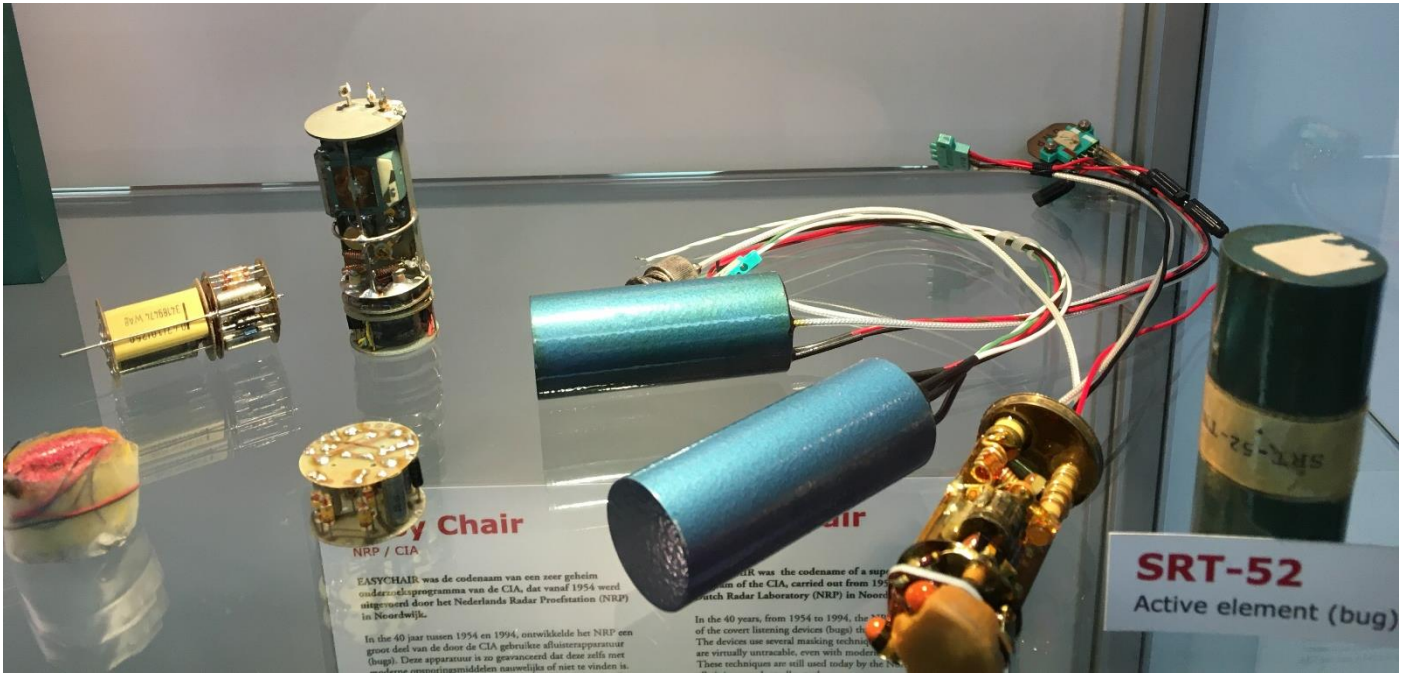
STASI bugs





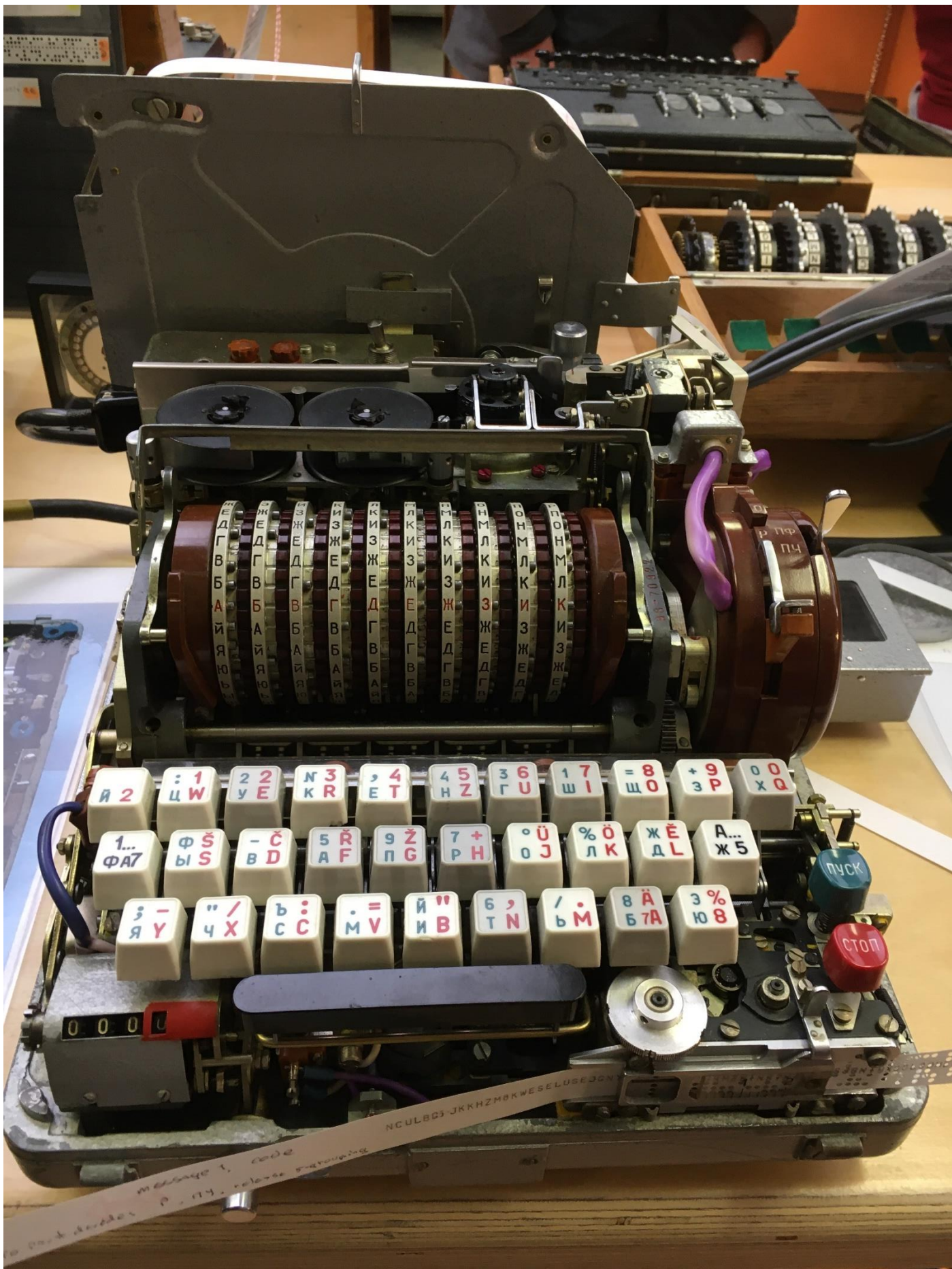
An East German bug girdle with receiver in a suitcase. Below: UK bugs.





Above: CIA bugs, Below: a Hungarian bug





Fialka: Russian Enigma variant

VOICE STATIONS

E06

4836 kHz, 07-11, 1940 UTC 111 111 111 00000
4836 kHz, 07-11, 1942 UTC 111 111 111 00000
4836 kHz, 07-11, 1943 UTC 111 111 111 00000
4836 kHz, 07-11, 2015 UTC 111 111

4836 kHz, 07-11, 2030 UTC

321 935 40
48153 45743 79677 85458 12496 55482 77233 95864 48376 22795
48538 34693 26852 26468 34579 34687 33529 23258 04468 46726
60964 69477 23295 27399 80453 17847 31125 11631 12253 13648
53178 61135 61345 79320 59385 58736 79383 23682 23392 23328
935 40 00000

18285 kHz, 08-11, 0600 UTC / 20140 kHz, 08-11, 0700 UTC

507 498 61
49146 77263 58910 19735 73407 05645 07208 99739 25154 86936
99023 48386 30190 90953 62406 27388 63679 50947 25796 64864
70792 10599 71734 69198 46827 68371 77381 25386 87744 73919
15293 92667 47041 56226 12888 95607 59915 28178 94039 25822
20656 17242 51243 96537 24184 16955 21778 17173 07704 38888
66314 80123 53374 69800 73402 76938 37970 63644 38273 86087
40434
498 61 00000

4760 kHz, 08-11, 2130 UTC

472 935 40
48153 45743 79677 85458 12496 55482 77233 95864 48376 22795
48538 34693 26852 26468 34579 34687 33529 23258 04468 46726
60964 69477 23295 27399 80453 17847 31125 11631 12253 13648
53178 61135 61345 79320 59385 58736 79383 23682 23392 23328
935 40 00000

18285 kHz, 21-11/22-11, 0600 UTC / 20140 kHz, 21-11/22-11, 0700 UTC

507 834 62
50237 95324 88155 16740 44169 40446 25750 37998 83568 36524
69019 06153 70404 36049 68678 91069 10406 24777 14017 16802
86910 09702 66556 98653 89887 82927 73109 77203 29821 09836
00414 60240 91146 15027 58543 08554 04927 64432 05268 26497
45451 67075 48564 43287 80450 44884 89456 95950 29611 44015
72375 49879 11074 86117 35225 17914 80620 82972 76346 63901
93207 62957
834 62 00000

4836 kHz, 21-11, 2030 UTC

321 134 57
69834 91020 28974 71856 74832 89648 73282 64825 48142 73848
36457 38491 82713 43143 65689 28756 42351 73145 32424 67857
83273 56425 34245 23246 76879 87435 28184 61547 93671 75364
72825 34732 53426 47589 73647 58326 15264 37485 63542 43557
64536 47586 76453 45684 65783 74859 82736 47382 74651 27631
72361 74827 36452 35263 72813 26743 84732
134 57 00000
Windows shut down sound

4760 kHz, 22-11, 2130 UTC

472 134 57
69834 91020 28974 71856 74832 89648 73282 64825 48142 73848
36457 38491 82713 43143 65689 28756 42351 73145 32424 67857
83273 56425 34245 23246 76879 87435 28184 61547 93671 75364
72825 34732 53426 47589 73647 58326 15264 37485 63542 43557
64536 47586 76453 45684 65783 74859 82736 47382 74651 27631
72361 74827 36452 35263 72813 26743 84732
134 57 00000
Windows shut down sound

E07

14844/13384/11584 kHz, 01-11/05-11/08-11, 1100/1120/1140 UTC

835 835 835 1 302 66 302 66
93706 17392 02018 54418 02186 66746 94004 39430 60064 47110
76448 70538 83770 77037 52406 64891 95092 47098 38764 45576
38712 59313 62246 78237 22051 58712 19884 27246 87919 36920
87507 35887 28764 47772 02861 86139 16382 14872 99016 94257
19965 29671 43537 98833 64210 91936 50616 69974 50256 07466
35895 99523 25701 25767 81607 43592 77986 53370 84876 73769
33982 14813 85958 46136 11381 80332 000 000

10112/11112/12112 kHz, 02-11/03-11/09-11/10-11, 0700/0720/0740 UTC

10112/11112/12112 kHz, 02-11/03-11/09-11/10-11, 1400/1420/1440 UTC

111 111 111 1 736 79 736 79
61485 92428 10426 44954 39323 53526 28793 34246 04350 97387
38220 81724 76362 31460 43671 94284 09344 59228 18354 87326
55467 81543 20890 60782 76012 95567 06372 85697 65877 96688
37899 78257 84396 78255 55366 43698 08204 28236 57839 67826
81047 58482 84075 95962 12166 58231 62327 23736 38931 26013
49688 25469 61658 16869 45914 31513 09739 52050 48535 26560
29773 67110 69536 67366 22169 15433 78394 88244 15004 17467
29224 42978 17600 22460 76096 79637 07882 31611 33807 000 000

7582/6782/5182 kHz, 03-11/06-11/10-11, 1800/1829/1858 UTC

571 571 571 1 273 216 273 216
03277 89416 64858 65453 65621 92871 45992 69454 16985 40566
33307 79379 89088 40617 64178 59915 86498 49177 82173 29229
87716 46712 22670 18847 39628 64824 04254 97948 98999 79251
48174 81179 37034 25891 59451 13536 27159 59006 80006 87332
62949 98018 23229 18504 79004 12535 67864 69296 36799 24213
06840 96618 47740 54003 26929 70121 68989 38859 05934 16512
84645 73532 75583 56860 90523 75640 28971 70512 14099 81905
96679 33134 06194 39692 90160 85227 97189 97996 34644 50115
62065 35027 21098 49022 55565 61332 56919 97858 35149 97041
14886 12636 30022 32248 69471 10824 99166 72646 78027 01543
71216 34004 12488 00163 80753 41063 44451 17076 63580 17371
02319 60124 31775 53464 06780 96107 46474 71634 57948 43834
21747 82442 31993 04970 36583 00427 81961 76659 86653 41489
94280 43670 47401 47322 79312 34750 45036 80305 02406 39168
84270 95367 82370 11143 97563 10263 47263 64148 20006 83052
32521 24547 15319 57003 73957 36924 06526 52534 21947 69413
20055 20451 32076 99647 09823 40432 10898 78748 94332 28642
04510 44768 47780 59482 05998 20901 65154 91025 29906 10713
94993 81039 33897 27817 52730 72914 23043 71604 49688 85448
87990 30245 75045 24833 58794 63067 11776 49779 60161 79394
41532 38309 10101 34051 33985 76690 62362 18779 29613 88029
41669 31979 96448 79772 84843 71073 000 000

7616/6816/5216 kHz, 04-11/06-11/11-11/13-11, 2000/2020/2040 UTC

682 682 682 1 729 130 729 130
61135 93522 58663 21096 90948 66967 35798 14278 79971 61138
20745 28762 24435 21136 34795 25711 52881 44935 67084 65680
55267 45641 39025 81939 11215 49022 27961 48184 22422 04266
21279 84864 93874 30244 21704 08360 91124 24643 11640 30412
31326 15532 11204 20624 28547 68864 84344 31438 26910 47789
86377 35033 49501 57565 67297 57395 41186 52484 99122 09993
45032 78886 48065 78642 37183 30077 00592 98839 03019 88988
10845 16195 51233 73297 17724 64104 83994 11263 62317 91773
45639 56301 10325 97314 93230 40826 89465 43327 13653 37992
06617 34185 74423 43863 29282 94452 73404 01258 44859 85457
78678 15751 52197 09841 09238 21657 94187 90972 90613 03988
07350 62394 89220 24872 22026 76295 26660 41056 11374 52888
17102 14902 10381 19657 21646 56497 88220 51061 96365 62839
000 000

15823/16323/18623 kHz, 05-11/07-11, 0700/0720/0740 UTC

836 836 836 1 7017 98 7017 98
15641 06608 04258 17220 97389 87959 56913 35444 20901 16729
76355 71272 09217 16036 68319 23940 24094 97039 04717 20765
57997 58555 12326 84743 85126 44560 76659 28720 41963 14509
98616 89153 53430 60143 06612 00454 54022 47378 91591 55057
96016 44529 08791 99894 17747 66250 83811 29064 86496 27813
80087 16613 25729 38024 91497 33211 80097 21580 71028 35643
20352 01761 07264 70892 66617 39059 80184 09124 17157 24975
02867 58943 50832 03930 55011 02903 52986 46042 31266 03391
83613 72284 06232 27767 59072 47934 56720 71424 20374 34862
14052 43422 15577 92059 52739 87659 51885 96562 000 000

14844/13384/11584 kHz, 12-11/15-11/19-11/22-11, 1100/1120/1140 UTC

835 835 835 1 698 74 698 74
83224 60980 91465 44067 41129 01947 56776 07665 47020 95699
16395 12404 74593 30906 62286 60609 88618 05432 49783 36151
28445 41661 65479 45082 56407 33473 31008 62996 09580 88510
11382 45453 67993 48150 20981 45979 74467 91360 00637 91034
28934 27992 37242 72958 13156 33180 72092 56258 73992 78716
98736 82212 46739 16997 80526 66769 15511 31398 95706 10087
97982 22393 35205 99661 74307 66593 64442 59123 86414 71494
23857 04077 69144 88669 000 000

7582/6782/5182 kHz, 17-11/20-11/24-11/27-11, 1800/1828/1856 UTC

571 571 571 1 532 209 532 209
53800 70204 59817 41859 81561 22820 03150 73046 77791 78085
87258 69960 31388 43353 75803 11072 22965 28319 85959 33985
69314 33951 44452 15240 41680 53115 68189 15924 70223 62627
39386 25901 17391 63541 10440 67211 41972 20956 78183 83106
40168 81904 04661 87981 73114 59788 88352 39353 88626 52919
56983 83392 46401 07535 16217 51754 33430 47910 07047 78052
08923 13465 27826 07674 42787 84126 90476 44603 61976 34236
38602 94272 27335 23731 31374 46283 86828 21872 72204 86750
29372 19920 82044 91220 06496 85869 93870 52716 22260 47802
25829 17740 79952 86168 82707 58080 68600 78406 79526 46105
63439 45515 32330 75583 07770 01760 59727 10157 22774 99181
96168 06027 38270 97481 60472 41624 70993 97919 74669 94108
26706 61097 47043 35789 54119 85321 04268 82939 28579 31505
74595 83495 56692 16988 22402 01474 64575 81671 94970 17784
36919 41161 92335 33876 10675 69402 07552 06833 36405 27880
25652 03339 93035 19460 93522 91775 50431 64555 48453 21124
43325 95017 32554 61899 87705 68864 34114 39079 59371 27010
60313 85630 07767 95015 09083 20462 94521 10983 03680 63397

57702 04873 40080 03040 00100 11614 35432 90754 79289 74608
86290 19093 92594 31960 76351 17669 43307 83895 12993 90857
55906 27218 07008 86990 62191 62608 97862 80725 21423 000 000

11574/10274/9274 kHz, 21-11/23-11, 1410/1430/1450 UTC

327 327 327 1 308 34 308 34
74877 00034 76721 95630 73982 73096 49451 92536 81895 17250
77763 87004 57782 44020 54911 17095 41317 66423 20410 79033
68896 09214 85310 94677 33629 08376 16559 49520 53378 38509
65093 39325 71654 70867 000 000

15823/16323/18623 kHz, 22-11, 0700/0720/0740 UTC

836 836 836 1 2053 114 2053
67467 33764 04138 20475 52258 85180 66375 44107 24726 43277
99846 00756 59997 75423 53803 73548 06950 97917 26462 76846
66972 20447 90918 60211 69095 35225 17795 22828 94336 08424
99843 19974 88000 32913 54839 94403 45193 71104 61518 76398
77973 47422 42960 51957 07282 83170 12813 94120 09586 39628
69808 62908 20073 50103 37395 45249 51753 19287 14690 12536
88947 18453 16702 18139 89388 49572 96631 90873 07895 88917
93864 52377 97854 08486 13554 69542 38071 51342 14151 30872
15430 81266 79983 99753 99419 50287 78806 67246 43446 74973
95424 72615 96035 78087 20223 25929 20943 04758 73961 04827
67815 80434 72402 53793 45306 72252 01874 93865 69562 09192
63558 38158 80926 89168 000 000

14844/13384/11584 kHz, 26-11/29-11, 1100/1120/1140 UTC

835 835 935 1 2289 177 2289 177
86908 78222 26091 35237 82503 98670 70031 26654 14714 23752
83244 89175 37589 38597 19840 79158 14521 66977 39508 38752
79511 97687 79585 13615 02933 43312 27637 32427 96286 86817
50808 75767 18996 74758 10739 87114 13418 32058 28961 35837
37532 72708 01852 03425 82388 46054 61972 79081 87744 34908
73230 86523 88500 87658 92514 23441 05882 92283 72057 82629
86232 79264 12243 46337 11580 33768 21394 61086 44898 31042
76236 83254 12615 12260 88489 15569 96680 37993 78308 64243
69344 67497 23658 93417 93822 07952 74395 40346 84974 94200
11437 92229 91838 49183 41651 04230 21414 73743 35088 04061
01748 41291 61883 27550 50976 09373 59466 52183 82611 15117
06901 32434 99711 81433 61081 33899 13921 31413 09901 02787
57010 03129 47276 08334 54352 64890 92638 43192 62894 63945
83833 41788 56388 61213 96828 02165 28299 72665 44090 72281
86939 92458 04773 89588 22407 67352 11721 99069 94141 21524
85959 89350 69013 09910 32123 27237 07428 77274 34588 70590
75494 29735 74166 06567 31966 67370 75623 32956 53217 50755
21121 32262 31145 43880 27034 01201 86734 00 000

10112/11112/12112 kHz, 30-11, 0700/0720/0740 UTC

111 111 111 000

10112/11112/12112 kHz, 30-11, 1400/1420/1440 UTC

111 111 111 1 822 14 822 14
67853 13786 69092 87289 60192 77454 93037 96338 25303 79834
82683 10819 75920 25830 000 000

E07a

8138/7538/6838 kHz, 22-11, 1610/1630/1650 UTC

158 158 158 1 61006 7711 63 7711 63
10685 19843 13129 30934 39435 49330 65799 24798 12645 45856
02000 96334 02660 41918 86693 92403 22198 17668 17341 64607
10029 90625 97421 53713 30242 33067 04670 22581 79801 26925
50075 63667 71231 96198 39666 71797 22182 31909 95407 47063
39133 07447 77056 38400 96400 49949 39107 83932 40171 09460
32513 70513 06048 95540 08458 94031 19657 95416 14250 11550
345228 49956 79881 000 000

11553/12153/13553 kHz, 23-11, 0900/0920/0940 UTC

515 515 515 1 61006 7711 63 7711 63
10685 19843 13129 30934 39435 49330 65799 24798 12645 45856
02000 96334 02660 41918 86693 92403 22198 17668 17341 64607
10029 90625 97421 53713 30242 33067 04670 22581 79801 26925
50075 63667 71231 96198 39666 71797 22182 31909 95407 47063
39133 07447 77056 38400 96400 49949 39107 83932 40171 09460
32513 70513 06048 95540 08458 94031 19657 95416 14250 11550
345228 49956 79881 000 000

E11a

10487 kHz, 01-11/03-11, 1910 UTC

614/39 Attention
26934 48462 26358 74406 90459 55385 01671 99764 97670 60662
14194 08964 83757 47027 37892 40138 62243 67406 10526 42269
00730 x6258 54989 44720 72123 35069 42550 26106 70075 66623
74133 33203 68322 37566 44573 78068 43626 32165 23233
Attention (message repeated) Out

6849 kHz, 03-11, 1650 UTC

920/37 Attention
12075 25336 19855 52561 40658 67892 76976 70811 88476 11859
06575 43646 94767 29308 09845 39006 83997 21518 57388 27094
25633 73409 99032 14239 07374 68742 40077 50169 97502 10322
37689 04109 17075 50460 65060 12152 46700
Attention (message repeated) Out

11450 kHz, 04-11, 0640 UTC

949/31 Attention
11676 40270 84710 74840 07327 60010 62427 79249 08562 11004
43008 29035 63271 92309 70217 03838 07149 44500 34520 78633
84973 94360 15933 40305 67929 92828 57839 31892 42383 65047
01664
Attention (message repeated) Out

7984kHz, 04-11/06-11, 1045 UTC

696/24 Attention
45917 34222 71649 56983 59996 87623 59911 24632 42367 49431
84847 70456 56408 61064 42437 95188 18894 95566 87386 93934
06147 30770 13678 93530
Attention (message repeated) Out

6849 kHz, 04-11/07-11, 1900 UTC

644/34 Attention

36737 10655 89438 65616 42107 66106 18047 50073 20019 54185
79915 30911 26338 08335 20520 75589 82673 24240 70949 71475
38458 37078 65473 85145 76954 67367 28542 00610 64399 19153
85639 33534 27452 24825

Attention (message repeated) Out

12089 kHz, 05-11/07-11, 0845 UTC

152/35 Attention

26045 19614 41789 77426 81158 61583 81043 61679 84765 81338
40851 42795 91628 63686 82928 05395 44617 10881 03078 70752
38497 52732 90685 09234 50656 12467 76851 65643 11050 53954
18078 05731 63800 62316 94788

Attention (message repeated) Out

5082 kHz, 06-11/10-11, 1625 UTC

976/40 Attention

07895 57811 72568 59784 91823 74542 77335 47690 91122 83956
22834 02211 04226 57624 79917 21818 05548 87653 14633 53361
96498 66535 66094 35800 99676 97426 38506 65625 50526 07521
01126 71100 78641 50590 76036 44423 99653 15494 46618 71416

Attention (message repeated) Out

4505 kHz, 06-11/09-11, 1705 UTC

391/39 Attention

67889 77974 22140 32830 87983 94667 88323 17132 69349 50806
02688 61376 44583 99543 51771 86934 34636 73217 92195 11871
77497 01435 20233 49840 51031 97599 30212 81763 86568 74079
87184 77768 79368 96273 89400 72074 68759 02459 68790

Attention (message repeated) Out

4505 kHz, 09-11/10-11, 0710 UTC

497/34 Attention

61869 55645 20809 34389 68957 74078 73911 66886 10099 98614
96801 00551 73280 63191 30082 61711 48549 67775 31540 92319
30971 34516 79758 37705 64124 80389 20062 77300 65567 80911
53588 32762 18844 01046

Attention (message repeated) Out

4909 kHz, 09-11/10-11, 0805 UTC

313/39 Attention

06079 01177 84748 11757 24549 05423 05201 94141 35444 08663
36445 10200 13193 14770 90084 08899 32031 90275 61830 49883
06085 87380 31721 92260 51136 71797 36367 73343 51655 25562
94109 62633 44688 37190 77513 08062 74174 61366 88240

Attention (message repeated) Out

4909 kHz, 09-11/10-11, 1930 UTC

368/35 Attention

45758 37046 83184 59546 43349 41027 21697 25405 87608 60605
24278 16309 53676 69083 25307 64483 44343 47427 77633 60723
52548 90132 31700 56945 10966 62751 60099 56940 91420 10668
65595 71594 95242 67994 60021

Attention (message repeated) Out

10213 kHz, 11-11, 0745 UTC

5409 kHz, 14-11, 1530 UTC

268/37 Attention

64734 64388 16129 08971 96778 26355 18221 88834 61283 84284
88353 61718 63106 85542 51032 42207 50228 51316 98677 11634
13090 67798 44551 60781 88407 68508 76915 83988 85955 20667
22845 14178 07241 05674 14465 81446 59843

Attention (message repeated) Out

5082 kHz, 11-11/15-11, 1530 UTC

524/30 Attention

61278 62288 52256 00769 14041 14054 20588 58570 59413 37003
55624 17598 14691 08568 46127 85748 50249 92564 34090 97651
65763 21185 50487 64188 97125 34932 14514 04139 45522 34312

Attention (message repeated) Out

12924 kHz, 11-11/17-11, 1745 UTC

244/36 Attention

15969 32968 42611 54370 39153 69945 43965 17538 72706 81057
06733 70840 54541 91813 45753 40143 37643 85966 80532 70389
72833 43375 11866 12878 87850 38777 86571 80926 76928 75300
19346 65822 70966 86737 11595 10507

Attention (message repeated) Out

7840 kHz, 12-11/14-11, 0645 UTC

512/38 Attention

15433 61947 01196 09545 78413 27278 51452 61906 09284 08124
69994 96277 72668 84849 77237 08092 21853 10931 97964 51263
67088 68720 18777 85502 00534 95902 60639 76048 00410 85031
87279 55385 71309 48437 73292 15492 26324 22997

Attention (message repeated) Out

14611 kHz, 12-11/13-11, 0820 UTC

130/40 Attention

86069 84266 50285 77617 52584 99762 92125 09905 44940 25718
25545 09097 91660 31067 79492 94082 42030 70646 20428 46620
16480 60967 50188 65621 24851 82387 35730 38105 36409 83247
28787 91640 83451 42501 80579 06454 95410 97968 85761 34929

Attention (message repeated) Out

8597 kHz, 12-11/15-11, 1000 UTC

306/35 Attention

12055 12988 39094 91260 91722 16499 56628 24009 24671 05265
40211 07325 38091 74846 76150 56214 58450 03523 36153 62653
70380 69963 26868 33705 94119 34174 90343 95768 60768 26877
67795 28468 57691 92870 60173

Attention (message repeated) Out

5344 kHz, 12-11/17-11, 1605 UTC

231/34 Attention

05752 78893 01308 03120 23535 19139 49338 58390 98475 50054
70805 59139 94647 37590 02102 19781 96660 51619 61751 31702
43329 97527 40841 54103 66024 69079 60160 68811 91130 90582
82541 71506 13536 82752

Attention (message repeated) Out

17378 kHz, 13-11/15-11, 0745 UTC

347/33 Attention

70603 18824 93905 66557 32917 42574 15461 11844 43648 50513
30292 08792 55604 63615 20842 06462 43357 26216 62806 82940
72841 87053 62511 75472 16305 73963 66991 75950 88403 02816
49982 02500 42958

Attention (message repeated) Out

10330 kHz, 18-11/22-11, 0600 UTC

188/23 Attention

64167 18315 28546 98679 09120 45454 55591 36259 79118 65098
46747 17661 38920 44903 63953 47770 77597 39975 87922 82072
27636 48719 16248

Attention (message repeated) Out

7469 kHz, 20-11/21-11, 0930 UTC

271/39 Attention

02094 15058 37250 08804 43911 89467 71848 54781 42550 58201
92450 74125 12519 64154 20911 99437 05384 67420 16627 45893
00695 77193 04269 53951 09835 53134 89592 70221 34571 93062
47705 16297 58261 09011 99481 40155 16304 40207 37303

Attention (message repeated) Out

5149 kHz, 21-11/22-11, 0820 UTC

432/37 Attention

90652 05251 03100 89826 05005 41590 40616 84411 48851 91968
03558 22594 70553 06410 19906 43420 71333 65896 36731 54693
17755 70317 09120 84246 62977 72129 60201 37881 26158 64674
97759 32138 92366 73028 10238 21707 59563

Attention (message repeated) Out

6804 kHz, 22-11, 0700 UTC

577/35 Attention

49224 65765 70499 26734 71218 08220 19341 23780 85399 98912
27419 15821 45573 19261 16696 89459 40002 60124 05522 23178
59004 75675 76814 43127 65226 92670 12623 53935 18631 50925
65930 20749 57328 36194 42691

Attention (message repeated) Out

8597 kHz, 25-11/27-11, 0900 UTC

538/34 Attention

08136 80693 90163 31864 03067 61559 49874 69570 70241 00753
43577 13530 85246 39017 09094 99173 10101 26227 19852 03693
95866 50715 40100 30216 81717 32149 71119 63546 99034 44204
05209 02789 48311 44543

Attention (message repeated) Out

9130 kHz, 26-11/29-11, 0715 UTC

634/32 Attention

31764 12595 00789 87542 17743 68267 64680 96563 88258 74934
81429 17636 44109 77761 38073 39728 02805 39086 75382 66903
47054 66019 22295 41722 32197 97879 32415 39568 14548 15928
53492 66882

Attention (message repeated) Out

6433 kHz, 26-11/27-11, 1205 UTC

464/32 Attention

53218 48130 69855 27490 36807 71990 25063 52060 00164 20457
16758 86440 38072 40222 28025 69146 45342 09301 46234 85238
97901 04361 22819 65922 08758 57764 03069 49812 17870 46809
79726 30756

Attention (message repeated) Out

13363 kHz, 26-11/30-11, 1345 UTC

910/39 Attention

88706 01083 10477 10688 61442 93700 55899 51949 64135 47810
61560 54763 12424 27757 81889 04926 24362 82648 20008 18191
43526 87308 83237 97040 05852 61979 80083 04510 14637 05887
75734 90859 26144 22034 30992 70911 53502 01452 16586

Attention (message repeated) Out

E17z

11171/9821 kHz, 07-11/14-11, 0800/0810 UTC, AM/USB

217 403 5 75855 07443 51240 62434 25340 403 5 00000

11171/9821 kHz, 21-11, 0800/0810 UTC, AM/USB

11170/9820 kHz, 28-11, 0800/0810 UTC, USB

217 834 5 24541 33941 56823 43884 85518 834 5 00000

G06

4519 kHz, 14-11, 1830 UTC

271 228 39

25326 68373 90453 85458 12496 55482 77233 95864 48376 22795
48538 34693 26852 26468 34579 34687 33529 23258 04468 46726
60964 69477 23295 27399 80453 17847 31125 11631 12253 13648
53178 61135 61345 79320 59385 58736 79383 23682 23392

228 39 00000

Windows shut down sound

4792 kHz, 15-11, 1930 UTC

436 228 39

25326 68373 90453 85458 12496 55482 77233 95864 48376 22795
48538 34693 26852 26468 34579 34687 33529 23258 04468 46726
60964 69477 23295 27399 80453 17847 31125 11631 12253 13648
53178 61135 61345 79320 59385 58736 79383 23682 23392

228 39 00000

4519 kHz, 28-11, 1800 UTC

271 273 62

64537 27364 28364 34736 39291 27384 37438 28372 27480 94832
74563 38458 83492 29310 18237 74391 37281 17283 84032 72362
84393 67482 56464 69738 26491 32642 13794 83842 23810 47131
95437 82683 73913 74592 43618 74932 74924 74297 43621 94724
84538 84937 34021 83929 90184 72641 84829 74826 48231 83732
72642 85913 38539 34752 75392 83482 75637 73892 95736 64612

84759 76491

273 62 00000

Windows shut down sound

4792 kHz, 29-11, 1930 UTC

436 273 62
64537 27364 28364 34736 39291 27384 37438 28372 27480 94832
74563 38458 83492 29310 18237 74391 37281 17283 84032 72362
84393 67482 56464 69738 26491 32642 13794 83842 23810 47131
95437 82683 73913 74592 43618 74932 74924 74297 43621 94724
84538 84937 34021 83929 90184 72641 84829 74826 48231 83732
72642 85913 38539 34752 75392 83482 75637 73892 95736 64612
84759 76491
273 62 00000
Windows shut down sound

S06

5091 kHz, 15-11, 2100 UTC

627 839 41
63154 26021 12260 41158 47950 38653 31417 36655 25356 90750
74510 54481 75964 14552 56125 47363 19189 46952 67740 96282
29965 83331 90330 76495 96475 89373 83775 76266 55867 02566
36706 24283 34583 74587 79368 95447 96726 04250 94012 17412
34585
839 41 00000

S11a

5371 kHz, 06-11/08-11, 1100 UTC

379/37 Vnimanije
81910 68849 57904 23846 00002 93528 23453 66306 17940 43770
12739 05268 03213 85952 64978 41353 38898 10159 67253 58427
51781 89158 93288 09031 57078 83504 33033 17507 76426 63893
11375 10647 42677 35075 84861 47934 50600
Vnimanije (message repeated) Konets

9057 kHz, 11-11/13-11, 0510 UTC

655/31 Vnimanije
50712 48514 68033 49613 84530 69076 51011 98912 34250 81799
08396 90822 75867 53467 55763 50876 50983 63241 19001 89992
18602 29860 71896 46106 44788 39528 88460 41741 59887 20070
25095
Vnimanije (message repeated) Konets

11486 kHz, 13-11/16-11, 1850 UTC

288/31 Vnimanije
79621 29231 61673 26053 12762 43513 08798 46799 72988 15886
88954 37553 12327 12251 31168 52534 55590 98316 86937 59526
48699 39440 56871 84873 46699 22220 19822 57997 27656 57548
14506
Vnimanije (message repeated) Konets

9050 kHz, 18-11/21-11, 0700 UTC

479/31 Vnimanije
05200 17585 60977 35897 21283 57638 54485 20082 92261 12746
02337 84975 62834 76521 34064 85200 15738 69209 36663 87716
81986 24965 27437 80318 21885 29145 91233 00243 73190 26713
98317
Vnimanije (message repeated) Konets

4242 kHz, 29-11, 0915 UTC

483/35 Vnimanaye

06177 41616 58490 22181 49862 01285 94451 98464 44725 95929
34024 79895 09149 73218 64064 32647 49383 32600 58764 42182
53758 92348 77654 91480 52185 26220 67173 35970 41930 21882
63573 81439 40228 94981 73707

Vnimanaye (message repeated) Konets

V07

15946/14846/13486 kHz, 03-11/10-11, 0100/0120/0140 UTC

984 984 984 1 3116 34 3116 34
52352 35870 97634 30452 14352 15649 90853 70365 54040 14649
99950 81029 33337 25303 78286 76274 77701 82242 64113 71626
04456 07930 73352 63464 74023 66062 36179 64687 03366 22788
45596 17225 49538 77095 000 000

15946/14846/13486 kHz, 24-11, 0100/0120/0140 UTC

984 984 984 1 8919 12 8919 12
02313 46616 17644 34411 33218 38596 67863 22009 29278 33287
47481 35279 000 000

V15 via PBS Pyongyang Pansong

657, 3320, 6400 kHz, 09-11, 1445 UTC. Message in Korean

MORSE STATIONS

M01

As usual M01 sent in different speeds and hand keyed with poor results at times.

5810 kHz, 02-11, 1500 UTC

197 236 236 30 30 = =
18106 36208 37262 62164 43728 21320 51781 29149 19402 46471
96461 38351 35112 63759 48945 58930 83690 79432 82909 16861
34753 62424 87683 25027 17861 70197 88581 63433 40707 77412
= = 236 30 30 000

5465 kHz, 03-11, 0700 UTC

197 731 731 30 30 = =
10993 07896 94166 34515 39823 97497 72348 70577 82971 18858
22457 95673 76728 74316 02755 15915 37811 45603 17498 41149
00301 32377 76972 77573 59361 47928 66454 35010 09315 33893
= = 731 731 30 30 000

5320 kHz, 05-11, 1800 UTC. Errors in red

197 564 564 30 30 = =
53037 41841 18215 54090 81924 42869 24824 24053 55861 02158
77801 81732 06673 81825 44984 75826 29083 70385 97357 21737
66811 74743 30788 82170 62046 83362 44224 50975 30743 79919
= = 564 564 4444 000

4490 kHz, 05-11, 2000 UTC. Errors and different repeats in red

197 337 337 30 30 = =
05018 72633 25635 67347 63997 80840 69633 52086 95568 55909
46063 89480 17046 91361 30530 83626666666 83626 09882 99002
25855 52786 63187 93505 53489 78457 48457 94583 70696 22477
73910 78910 03154 37003
= = 337 337 30 30 000

4490 kHz, 07-11, 2000 UTC

197 675 675 30 30 = =
05018 72633 25635 67347 63997 80840 69633 52086 95586 55909
46063 89480 17046 91361 30530 83626 09882 99002 25855 52786
63198 93505 53489 78457 94583 70696 22477 73910 03154 37003
= = 675 675 30 30 000

5810 kHz, 09-11, 1500 UTC. Errors and different repeats in red

197 437 437 30 30 = =
92908 50935 96578 47959 98631 71402 21525 70525 06754 60913
57313 91190 66453 59211 83503 85062 55546 71550 25556 98477
17928 74643 43923 86733 31891 74005 21724 21725 93808 211.7 .3796
= = 437 437 30 30 000

5465 kHz, 10-11, 0700 UTC

197 477 477 30 30 = =
79596 07456 20153 86713 61059 77725 60677 08536 47038 38713
13618 54387 86577 47898 29705 72190 42069 20340 84010 84608
63800 71393 69249 37614 03445 14643 12916 60884 19259 31043
= = 477 477 30 30 000

4490 kHz, 14-11, 2000 UTC

197 / / / 412 412 30 30 = =
14176 67719 55685 22973 29591 47265 45215 85317 41892 28190
92357 36197 85618 09351 40291 94597 98024 74117 97446 41757
24178 94614 89025 43222 47188 59508 07877 32935 61139 01557
= = 412 412 30 30 000

5465 kHz, 10-11, 0700 UTC. Different repeats in red

197 627 627 30 30 = =
39722 66566 92642 91642 75423 07299 94724 92742 92447 91447
70766 74702 07023 7023 08011 84484 42197 36111 85856 76027
31259 63861 21526 13886 93274 07743 32724 74503 10388 91236
29264 02330 25845
= = = 627 627 30 30 000

5320 kHz, 21-11, 1800 UTC

197 144 144 30 30 = =
15904 65115 64420 90280 84099 96494 71180 84146 42941 31832
82201 01935 09542 64412 82981 92019 65832 21948 41012 02701
03015 23484 58225 12531 65887 37312 14602 88356 61586 92967
= = 144 144 30 30 000

4490 kHz, 21-11, 2000 UTC

197 734 734 30 30 = =
38822 55210 74299 78248 70349 19146 15728 62468 25803 57918
10572 98681 98681 14126 90421 87942 62295 52982 98981 24840
25998 14095 40864 60800 79909 59648 54459 47520 91304 51728
= = 734 734 30 30 000

5465 kHz, 24-11, 0700 UTC

197 185 185 30 30 = =
98543 45242 88298 91872 88017 02323 10837 15069 99479 63869
35682 88072 87894 44050 57895 74187 10895 84608 36125 92433
87004 02659 47340 82131 61835 02695 31495 99040 35320 93459
= = 185 185 30 30 000

5320 kHz, 26-11, 1800 UTC

197 231 231 30 30 = =
17278 37067 17355 62083 24199 01180 99845 57883 85906 79193
83071 26518 49897 91935 70423 30835 69603 25392 63165 24517
31943 44812 74933 63976 72072 38463 82720 80542 72378 76580
= = 231 231 30 30 000

4490 kHz, 26-11, 2000 UTC

197 817 817 30 30 = =
47539 05164 51045 53457 90952 89112 26101 14675 96856 72505
00928 57598 33807 80987 14767 81721 48516 69619 33585 29299
90732 67229 78742 66483 26898 49774 09503 46915 92156 08599
= = 817 817 30 30 000

5320 kHz, 28-11, 1800 UTC. Different repeat in red

197 221 221 30 30 = =
06321 53936 31610 83947 46068 58782 66503 14312 23578 82974
18412 86215 77170 54727 13078 81144 82011 **82012** 66815 17279 97954
06117 15991 40069 13328 74366 37494 12437 38178 32153 30381
= = 221 221 30 30 000

4490 kHz, 28-11, 2000 UTC. The 3rd group was sent twice followed by a wrong one (in red). Only 1x 30 at the end

197 643 643 30 30 = =
97871 11153 30721 **40721** 76687 25003 21979 61615 61430 94131 88941
17481 09436 74610 58426 66914 43044 50829 14438 12731 80161
48749 91340 81609 41434 54309 13828 37021 88824 71930 81680
= = 643 643 30 000

5810 kHz, 30-11, 1500 UTC. Sent 31 groups. I guess that the 8th group is an error. It starts with the first two digits of the 9th group and then the last three from the 7th group.

197 483 483 30 30 = =
65588 17866 70322 78403 23250 22721 61457 65203 16902 58036
43330 44553 75380 50247 23644 53853 **92402 20402 20769** 74937
29006 00844 97181 21696 55232 04242 99105 48498 65467 59424
45134
= = 483 483 30 30 000

M01a

5360 kHz, 01-11, 1011 UTC, i.p.

747 747 747 40383 40383
747 747 747 40383 40383
747 747 747 40535 40535

4589 kHz, 01-11, 1021 UTC, i.p.

747 747 747 41768 41768
111 999 623 12 = 01995 74069 17834 90158 00511 60415 95852 99536 6231 EEEEEEEEE
111 623 12 = 01995 74069 17834 90158 00521 60415 95852 99536 05492 01756 11
111 623 12 = 01995 74069 17834 90158 00521 60415 95852 99536 05492 01756 11813 39160 = 623 12
111 000

5082 kHz, 01-11, 0920 UTC, i.p.

111 000

6752 kHz, 30-11, 0851 UTC, i.p.

843 333 29

333 30

333 31

111 999

310 40 =

92473 62428 25242 57012 71883 69243 29728 74675 20638 65363

97762 73229 84955 32747 26045 92255 53799 34444 15907 39893

26914 39769 50679 21469 29664 27291 23455 16568 68182 38477

25256 25858 58236 85434 53372 32245 04552 88613 54978 15634

06950 98412 48106 71035 46128 89527 48075 56739 99679 33554

= 310 40

111 000

6752 kHz, 30-11, 0953 UTC, i.p.

843 843 843 93992 93992

111

333 94787 333 94787

111

040 02

843 843 843 111 999 206 50 = 5FGs = 206 50

111 66803

111 000

M01b

Each month M01b sends the same message on all time slots. Each of the six time slots has its own id.

2655//3195 kHz, 01-11/08-11/15-11/22-11/29-11, 2002 UTC

866 121 121 33 33 = =

82591 35954 34675 66344 24339 56940 29763 38889 56009 25278

25335 54829 67131 24291 60396 50141 19991 12525 88506 01553

55779 51347 73920 94958 15823 88076 63658 47694 44544 80176

10709 21407 83616

= = 121 121 33 33 000

2405//3180 kHz, 01-11/08-11/29-11, 2110 UTC

610 121 121 33 33 = =

82591 35954 34675 66344 24339 56940 29763 38889 56009 25278

25335 54829 67131 24291 60396 50141 19991 12525 88506 01553

55779 51347 73920 94958 15823 88076 63658 47694 44544 80176

10709 21407 83616

= = 121 121 33 33 000

2435//3520 kHz, 04-11/11-11, 1910 UTC

853 121 121 33 33 = =

82591 35954 34675 66344 24339 56940 29763 38889 56009 25278

25335 54829 67131 24291 60396 50141 19991 12525 88506 01553

55779 51347 73920 94958 15823 88076 63658 47694 44544 80176

10709 21407 83616

= = 121 121 33 33 000

2425//3205 kHz, 04-11/11-11, 2015 UTC

375 121 121 33 33 = =
82591 35954 34675 66344 24339 56940 29763 38889 56009 25278
25335 54829 67131 24291 60396 50141 19991 12525 88506 01553
55779 51347 73920 94958 15823 88076 63658 47694 44544 80176
10709 21407 83616
= = 121 121 33 33 000

2470//3545 kHz, 07-11/14-11/21-11/28-11, 1932 UTC (late start on 14-11: 1938 UTC)

910 121 121 33 33 = =
82591 35954 34675 66344 24339 56940 29763 38889 56009 25278
25335 54829 67131 24291 60396 50141 19991 12525 88506 01553
55779 51347 73920 94958 15823 88076 63658 47694 44544 80176
10709 21407 83616
= = 121 121 33 33 000

2485//3160 kHz, 07-11/21-11/28-11, 2040 UTC

382 121 121 33 33 = =
82591 35954 34675 66344 24339 56940 29763 38889 56009 25278
25335 54829 67131 24291 60396 50141 19991 12525 88506 01553
55779 51347 73920 94958 15823 88076 63658 47694 44544 80176
10709 21407 83616
= = 121 121 33 33 000

M12

6859/7459/9959 kHz, 01-11, 2200/2220/2240 UTC

849 849 849 1 330 95 330 95
62471 98754 59121 40044 41117 94286 06840 94697 89084 61877
46062 85667 95395 68844 23758 29778 04045 47831 12072 43530
91794 45310 69696 51143 61487 11582 36869 18172 36541 28722
12785 94328 86739 27549 73124 23457 33540 32527 75294 98746
60671 44346 95182 67382 52353 50381 23916 30968 42113 80955
79927 13893 70817 19125 97721 29894 83279 96589 31620 13186
40113 67336 17261 88971 57514 66148 67258 01993 80330 38489
19693 41214 50255 70498 28060 52956 81747 46164 41694 98512
15549 08627 59161 06350 70799 19088 04354 59203 97932 19471
19940 39161 39820 47326 33578 000 000

8047/6802/5788 kHz, 02-11, 2000/2020/2040 UTC

463 463 463 1 7725 99 7725 99
16051 12242 25606 16222 73329 84040 83152 78666 73403 94978
52075 62233 33484 41799 51145 85080 66956 47242 24001 85167
20659 18400 17169 80335 86252 11606 05654 32317 49467 25535
09656 97663 14687 24523 13888 60865 36355 42638 68943 78629
94884 49231 12772 24914 60266 97988 91095 74973 96795 32522
36464 05189 14339 96436 75209 59784 41914 77686 85689 28959
75819 60758 79840 58107 83740 08785 53289 66422 21198 01141
50233 30745 61094 66213 86979 35685 31553 50382 60015 83237
27193 42642 23228 65709 49110 09396 59251 62909 43491 76116
31326 00420 03515 44292 12911 14513 53522 35954 28383 000 000

6859/7459/9959 kHz, 02-11, 2200/2220/2240 UTC

849 849 849 1 330 95 330 95
62471 98754 59121 40044 41117 94286 06840 94697 89084 61877
46062 85667 95495 68844 23758 29778 40445 47831 12072 43530
91794 45310 69696 51143 61487 11582 36869 18172 36541 28722
12785 94328 86739 07549 73124 23457 33540 32527 75294 98746
60671 44346 95182 67382 52353 50381 23916 30968 42113 80955
79927 13893 70817 19125 97721 29894 83279 96589 31620 13186
40113 67336 17261 88971 57514 66148 67258 01993 80330 38489
19693 41214 50255 70498 28060 52956 81747 46164 41694 98512
15549 08627 59161 06350 70799 19088 04354 59203 97902 19471
19940 39161 39820 47326 33578 000 000

8047/6802/5788 kHz, 04-11, 1800/1820/1840 UTC

463 463 463 1 3130 96 3130 96
54767 38680 64561 93762 61187 34165 33647 94483 22850 94821
77991 75489 00030 00300 21479 09459 81845 75178 96876 60193
07394 69731 96298 46434 83910 27784 23469 73497 33509 86422
83835 52125 72165 06264 90862 73903 72997 88576 93269 22152
30023 41034 61749 47226 24065 39097 92688 56728 36069 27906
14945 58435 58106 11661 30778 26856 82579 79360 30979 25563
29404 73678 34156 29035 28532 05477 89661 67096 18353 74537
77917 18379 82311 95080 76281 94559 64079 14853 87264 95793
50125 57241 53803 70500 50929 15120 51638 29149 59978 21638
91554 80198 58688 54873 43268 74778 000 000

9317/10484/11552 kHz, 05-11, 0530/0550/0610 UTC

135 135 135 1 3281 108 3281 108
51112 27352 88670 29448 79273 47452 95200 42015 64367 52076
88491 89654 44058 02958 33934 53453 09015 12107 33886 82357
27364 48611 20940 40254 09288 42027 78239 32261 21981 38458
19513 55200 90094 65548 56435 29329 69533 41260 27702 11465
29061 42616 47437 90293 34789 38176 31146 59279 45725 66166
44542 89527 18064 79559 96445 91502 59620 15926 99382 76802
06046 85249 92403 07847 11719 84633 47750 98841 40010 79618
37175 48540 93887 29173 40715 02038 22948 37232 70876 96808
56907 28764 01962 18807 97062 69877 64287 33737 18761 37971
48176 01311 75669 98574 87427 73441 38774 46228 46148 59867
94176 50221 65841 91025 16350 92787 65423 20596 000 000

8119/9119/10419 kHz, 05-11, 0600/0620/0640 UTC

114 114 114 1 5696 73 5696 73
40355 20192 71274 86799 20032 64689 87578 57245 69518 76400
52486 26664 72471 71351 73319 21375 60328 68857 13245 41865
32520 80291 17505 70442 59262 36591 56683 63062 59839 45858
22799 50937 13850 84698 82904 29343 64102 75834 48933 31309
31934 27601 95940 52553 21051 91214 66861 68671 58929 95779
90389 55214 51041 61866 45400 04950 44758 29073 06212 95707
32419 87614 56827 95860 13608 79543 36614 16589 32757 86367
01523 22517 73183 000 000

13936/12136/11536 kHz, 06-11/08-11/13-11/15-11, 1300/1320/1340 UTC

915 915 915 1 7051 140 7051 140
56726 45447 91121 53846 78403 39995 83492 14555 82648 87638
25619 61826 39223 10611 69330 45423 49146 15927 47123 57044
30968 28772 22160 05238 83571 93774 65967 76916 40831 07180
73842 81230 73428 34851 26109 73193 19334 43976 06654 65549
47521 92842 94457 12294 10962 86307 36415 36724 11848 20072
18923 27103 94459 62925 41817 47154 18639 23588 10360 60386
60231 39348 15653 84854 44861 24990 35526 28289 74289 48922
65805 64927 54623 94076 91709 82804 05309 31381 28001 99071
23353 09952 08523 32885 47727 44618 56590 61238 75996 26008
58450 07310 78366 34243 17994 31485 07112 06699 57594 89703
18618 18084 39333 01882 57605 58124 81492 74298 27527 59559
40605 47471 61473 68913 46259 96099 01108 96285 15175 58058
20262 50215 37597 83272 44797 41429 19799 81273 28229 01305
10997 43953 04808 69025 15100 77131 68660 18802 21294 56165
000 000

12162/11566/10711 kHz, 06-11, 1710/1730/1750 UTC

546 546 546 1 6640 106 6640 106
16735 42840 70399 06444 59491 40188 25125 03705 90653 23109
54885 28118 67193 45733 43466 35949 13537 30419 88518 47068
39133 44992 35761 77506 21814 24859 54734 63244 29639 75348
46294 76303 87394 85655 49674 62148 30128 36275 61800 60656
93877 82321 23671 86972 82905 35536 09651 16576 85605 61903
07867 56048 06678 97980 45117 86570 84154 98526 95071 90272
25521 40831 78987 06567 56481 74311 90165 29089 69111 50137
33646 48274 21301 67198 43799 55267 68829 47926 69776 73508
18271 82420 79191 54406 63839 48359 32691 38683 61253 45817
66399 19301 90532 07450 05393 44955 21112 56485 82248 99318
87144 16927 44485 49470 85722 27557 000 000

12162/11566/10711 kHz, 07-11, 1700/1720/1740 UTC

546 546 546 1 9802 110 9802 110
51313 56863 69015 39499 61431 07414 57704 45030 19378 46797
18423 35140 75236 28093 25758 49911 69309 00436 77175 49388
14895 26937 32048 75883 63048 89692 67132 77328 58190 69214
20806 23326 12679 01145 49325 24653 12266 28777 07691 06161
13309 02903 72729 52116 50867 55905 25955 54199 04795 46652
67617 54205 85352 25837 25830 40941 24153 51448 89886 36470
00863 15063 17362 46860 96976 37395 11567 83307 42985 87873
22257 91649 61647 42801 78581 00970 82202 39635 53386 26739
65944 29962 05528 02711 45337 37076 00278 31953 00208 14333
37978 36491 18350 54086 13912 90385 03756 31613 10549 50678
69721 75486 49287 82335 65861 42357 38144 95556 07924 80825
000 000

12162/11566/10711 kHz, 07-11, 1800/1820/1840 UTC

546 546 546 1 8914 109 8914 109
70503 23442 44475 15700 96667 52086 69096 77555 83924 51568
09558 50364 03534 34727 16424 28194 44206 57296 58733 89889
35895 53013 97121 76062 59575 80768 85449 12363 16030 92569
54496 45847 39509 40421 86717 01242 92136 62295 38296 66020
47666 51345 56807 52074 60487 30095 90948 82694 03322 15297
17641 29525 17326 87591 47850 76109 11019 02913 21175 30088
49598 51341 77126 64162 21098 65476 54078 93975 80837 42739
04538 06368 68530 59015 42682 10419 25107 39419 88079 22924
05271 24028 81287 59096 97504 19405 02392 79071 29066 62996
09398 62188 61704 51781 70953 04837 22647 01497 43438 96793
41909 94908 48075 01831 76220 74437 73577 26359 85709 000 000

14377/13461/12114 kHz, 07-11, 2000/2020/2040 UTC

317 317 317 1 7952 105 7952 105
15602 40708 27238 23964 92633 66820 09450 94894 72214 87249
86145 25703 92624 16362 23591 89199 01107 76535 12348 88294
14458 05695 78536 40307 50505 43275 30978 68810 36007 44442
21331 68304 09932 55333 03966 82407 35150 17663 88522 01020
62847 01680 13382 29015 26558 90898 08920 11843 60610 79539
49611 47021 32843 56563 52775 59086 73206 64568 96501 24561
79089 86214 33698 86225 23661 18526 69280 44665 02476 33185
64428 58735 19709 47835 00566 50103 96572 68726 34667 03829
49412 86471 10640 11142 07860 79704 58458 84011 72915 62860
80360 01719 31230 49795 86232 62315 37447 72040 28293 99645
49622 19535 84909 75648 57495 000 000

8047/6802/5788 kHz, 09-11, 2000/2020/2040 UTC

463 463 463 2625 94 2625 94
76844 73522 28468 35922 72912 82990 43686 41225 48617 86023
64258 33185 24639 36333 02934 13977 63345 27704 00066 12776
32111 07747 01576 94820 44705 65894 14782 16077 25804 70989
02333 65069 08680 80762 03295 01391 75533 04020 08924 45050
19935 62504 58672 87713 26532 02935 83760 43573 88192 66281
93934 14035 94374 80488 70222 12667 55541 48613 38448 80772
60103 10646 87460 78608 33847 27937 28632 70003 03122 10084
91657 50509 47208 90684 36991 75638 63512 50334 03189 84469
65566 64677 99156 40062 82143 09625 52530 07414 23779 51675
05072 97902 69240 58234 000 000

8119/9119/10419 kHz, 10-11, 0600/0620/0640 UTC

114 114 114 1 5696 73 5696 73
40355 20192 71274 86699 20032 64689 87578 57245 69518 76400
52486 26664 72471 71351 73319 21375 60328 68857 13245 41865
32520 80291 17505 70442 59262 36591 56683 63062 59839 45858
22799 50937 13850 84698 82904 29343 64102 75834 48933 31309
31934 27601 95940 52553 21051 91214 66861 68671 58929 95779
90389 55214 51041 61866 45400 04950 44758 29073 06212 95707
32419 87614 58627 95860 13608 79543 36614 16589 32757 86367
01523 22517 73183 000 000

16296/14796/13396 kHz, 11-11/13-11/18-11/20-11, 1400/1420/1440 UTC

273 273 273 1 8521 181 8521 181
04942 12889 32373 83208 09773 62647 72713 98257 19769 36863
85472 76850 05115 53621 24458 28798 72300 41235 71861 96682
88068 64912 54520 33354 85529 23087 40835 77960 76344 93094
86604 92158 07866 23846 14713 25919 35726 14971 17325 02016
22848 59358 89654 71880 72164 92736 47871 78653 64033 00518
81015 56534 58249 19487 04675 75034 14581 19117 69803 35274
39124 03958 50053 45510 07060 90775 06395 14822 08387 51903
61252 51052 92621 86096 05701 42834 11093 33839 16105 15366
82430 41242 09015 97771 76186 91672 23606 20806 13097 21941
25044 23595 84167 50540 55552 95950 92517 27774 62317 56451
65014 82650 01952 45022 33607 71158 10012 42330 32605 84867
83659 01145 15943 75364 73276 51575 22214 85636 97043 36690
41294 85528 38209 57145 61285 33900 95327 67385 96537 26133
72951 63739 67923 78576 10935 16761 66370 56783 23661 45846
98832 98726 04696 67096 19005 41273 58460 53005 79664 06481
01665 90927 66025 27721 65801 35463 00870 90625 40147 29998
73933 98472 71951 00598 86193 44247 98430 30706 18822 40545
83869 96864 42244 18115 25959 58723 41091 81603 76629 57593
69362 000 000

8047/6802/5788 kHz, 11-11, 1800/1820/1840 UTC

463 463 463 1 6301 94 6301 94
28359 83966 68082 62192 24657 32870 32267 42854 35441 34876
77634 23742 51281 79452 47775 50509 71480 54820 72634 99713
57786 50267 65350 14589 52812 59653 09763 15748 18140 04599
03600 12210 01854 35323 03220 57035 69933 54985 37594 61804
15484 94780 09121 59273 93461 96613 10192 11610 23162 46426
70176 56191 37614 57740 95679 30738 91674 51887 02764 45456
19940 13359 30696 61510 50857 13286 31569 87901 87064 03048
37991 81772 77062 02279 26559 27573 27400 29080 14721 29279
62050 02754 95369 23367 22600 88261 44051 42774 73757 58858
31971 72943 87795 09859 000 000

6937/5737/4547 kHz, 11-11/14-11, 2210/2230/2250 UTC

975 975 975 1 5102 34 5102 34
26471 17125 07284 78567 84467 17692 58822 10383 98889 49458
13778 67132 34509 75882 29593 99105 67883 75124 40834 55426
26858 44210 69383 15761 16382 05014 14734 05670 33585 50659
44888 87929 75929 68569 000 000

9317/10484/11552 kHz, 12-11, 0530/0550/0610 UTC

135 135 135 1 1776 106 1776 106
12889 90299 20526 23721 94712 56718 69038 97939 07969 56265
80334 08629 20327 62443 59174 62508 10715 25411 82938 71308
28789 60241 99048 07002 03876 61924 70713 95800 84334 04632
39459 10405 05577 95099 84486 88713 51675 69745 99715 50367
40254 05152 17162 40775 99279 48203 61949 75084 03275 61644
79842 22205 94372 82101 67833 40471 40694 49822 59492 13371
57236 01512 82007 36364 09798 08146 72919 88459 00922 85894
75168 52784 53210 85022 52259 52728 00236 49628 54975 68475
73716 66580 69032 06835 88347 63321 02523 23770 46909 45882
27791 42892 25869 36340 23180 67203 22237 21510 94500 37314
39863 22835 75940 94325 49496 27159 000 000

12162/11566/10711 kHz, 13-11, 1710/1730/1750 UTC

546 546 546 1 7572 107 7572 107
57319 31341 20163 42105 16538 61281 05062 35760 58578 29964
63988 08731 56345 96274 10737 67061 06799 62023 07924 57334
62994 10933 99234 02121 51205 59709 70880 49515 38141 22778
62159 92028 34237 95884 31032 98436 15201 80599 40614 83956
05636 58896 51106 04351 87491 24104 25529 41556 95238 49152
47130 05686 65979 02187 35815 30144 03321 76537 10322 68660
48720 59496 17226 18745 06871 87320 00956 62589 99719 27031
80561 63822 92723 37127 31815 71411 28841 25127 75690 48121
37584 19079 52487 37862 08722 85202 67417 35376 83117 98804
43132 62033 16100 98738 52560 43604 16577 13816 85382 16355
77768 96145 59930 70846 15353 73276 65269 000 000

12162/11566/10711 kHz, 14-11, 1700/1720/1740 UTC

546 546 546 1 2559 105 2559 105
32433 05764 35303 21123 44831 79557 76324 42892 24831 77730
22317 76224 51890 80407 59612 42109 87397 25704 54402 65762
84534 09379 84360 19864 16483 27798 27297 69874 61220 61957
79849 24981 55115 54295 40639 55039 95403 94470 65353 84440
69495 34376 63982 84024 93186 89845 51224 70554 14588 80991
59145 46655 52379 82104 98931 97850 42463 59320 01624 85443
54857 18156 48399 03463 42677 87014 99377 93079 96416 56839
35651 24096 01041 10620 81056 92680 40748 73324 38491 41366
18629 84118 29556 67000 40287 55366 73222 74735 15510 15346
38660 57832 35754 59723 54834 91326 51224 75388 36468 36547
28563 26183 06460 34778 54700 000 000

12162/11566/10711 kHz, 14-11, 1800/1820/1840 UTC

546 546 546 1 7646 107 7646 107
74179 66565 00018 82272 11118 09238 23333 58458 01544 42093
62753 69872 68296 05208 65761 68121 73475 73513 66485 50479
64029 74377 31405 81639 85082 59247 86753 56447 61422 98935
70148 80587 86395 07211 04171 10834 47232 05952 07646 27178
77359 76291 89308 77261 23412 11983 47730 28175 41282 18066
18246 46041 89445 69607 10379 23617 31744 60492 11278 66609
56721 12164 72744 43199 61410 03662 08812 51732 92257 66452
38516 64534 04048 79514 11090 08241 38401 73018 30099 54220
14631 28011 57239 38722 71063 32403 91315 04502 57131 55146
63533 17244 30758 78510 79557 07619 03956 05533 26799 76501
13383 01462 11902 51966 53308 62398 98258 000 000

14377/13461/12114 kHz, 14-11, 2000/2020/2040 UTC

317 317 317 1 2331 108 2331 108
69494 20800 38653 29539 29590 01022 03098 99761 38945 34565
00747 59291 68148 89639 62988 39823 44284 35060 18100 82436
64154 31910 26173 32055 42868 90032 86585 27035 92113 90292
49945 02942 11497 55038 11087 35316 79783 24413 35199 64580
33016 42931 68783 69329 92736 55454 49530 74517 85599 87338
65372 54936 17265 29281 34977 96280 58428 25161 48827 55968
82775 86989 68971 40502 66476 26607 89779 24656 52381 46643
03525 41476 26388 94170 96752 10362 23590 97534 72142 92935
46050 43388 43554 35307 03668 35456 08815 85064 30298 32078
06988 45618 68583 43638 33302 69428 09935 53210 31734 63159
46351 48835 47009 93172 32899 55933 90168 54049 000 000

8047/6802/5788 kHz, 16-11, 2000/2020/2040 UTC

463 463 463 1 7324 100 7324 100
54614 49768 10373 25735 51628 59207 61683 38850 59389 59754
12224 18872 84029 45883 11805 51601 75032 41685 50451 59787
00720 57256 80501 32413 06963 32656 96834 00259 51803 00179
19012 89704 27865 31045 66726 44346 98971 79639 08633 56575
29222 56189 92616 05152 44192 77281 25771 34893 37076 64553
20968 86469 19640 88069 27551 85656 58875 76535 40784 19465
55704 59429 37368 95913 58876 11221 34562 01317 64474 39696
67916 69233 83109 13844 30257 72361 02507 06995 48731 36341
79485 47814 54641 44831 63833 83171 04091 15451 18230 51847
20136 44742 56351 89298 08361 31157 13205 08177 30622 52353
000 000

8047/6802/5788 kHz, 18-11, 1800/1820/1840 UTC

463 463 463 1 4564 95 4564 95
45614 29799 01939 15482 80293 87476 07887 21992 02389 50492
05719 83263 74847 71383 24202 49915 29118 67320 77271 99382
27390 80188 82074 25422 89257 70590 23246 64610 91262 01182
09334 19767 13687 44252 07500 67826 87577 34809 44199 29986
42069 54707 21340 19530 90060 94771 33292 65055 23339 69329
38507 64879 78986 38050 74234 40709 36765 93815 37479 43312
25315 33470 86598 00259 17623 47896 66024 06610 24763 90492
11376 13995 55758 10636 06310 41808 71135 65831 36236 91711
64461 69377 90658 21539 33279 13579 44540 0446 75758 02654
54100 16875 88164 89173 67339 000 000

12162/11566/10711 kHz, 20-11, 1710/1730/1750 UTC

546 546 546 1 8199 112 8199 112
86196 69362 14405 16428 73135 28373 02900 53680 19763 62081
73787 18639 03589 31131 52874 09302 65102 79218 52417 83468
44852 08436 89279 73495 51247 91561 49129 84695 53170 67645
94107 77109 03144 32301 97786 95753 75079 35229 88753 73302
97597 07987 94893 64408 87608 79873 81586 11456 49587 91541
26293 32399 38470 22355 46703 17162 16812 35817 11970 75007
54633 68580 66663 79806 13843 61334 17732 94284 71286 84710
23741 73711 74647 23109 42143 15751 12612 23445 65071 02775
83732 80885 79809 38188 05727 97833 75949 80155 73537 26283
16600 58070 44827 48045 59322 26301 97963 90167 78849 12360
68467 15021 76889 25536 92559 64496 37276 67161 68663 68954
42643 71069 000 000

14377/13461/12114 kHz, 21-11, 2000/2020/2040 UTC

317 317 317 1 8769 107 8769 107
27833 23372 92419 28449 19391 24432 28024 46995 53642 84269
65051 99236 22093 43999 47511 80087 07901 35431 40743 40203
77491 94982 62014 46215 59315 43720 23647 25931 81794 65765
41532 82716 87227 42680 04608 29875 22295 03932 23494 35128
79104 07761 50699 91233 51223 80508 14169 19466 28708 62229
07041 02835 31331 61113 46320 79301 75752 29824 00884 73219
61730 36907 58914 14531 67985 73754 96958 16225 07678 75432
20474 89794 54241 65956 77607 94222 57892 89967 25160 43030
96215 79342 80362 61893 11916 35111 02854 26126 67373 04329
96747 39463 18344 47995 57639 51342 41927 20025 45111 61315
89998 71724 54743 38410 82423 34045 29112 000 0000

6859/7459/7959 kHz, 22-11/23-11/29-11/30-11, 2200/2220/2240 UTC

849 849 849 1 409 120 409 120
23975 18745 83203 31055 53364 06310 98006 55010 42197 97989
08412 24362 02481 61816 21949 63592 60811 93780 97680 96438
41461 83845 82329 41602 28771 04317 18376 23849 76061 97383
27269 75607 76324 49927 38553 78458 80120 77367 16848 77199
48520 25889 07186 27216 03086 46092 40547 47670 29524 12380
01586 31996 33001 97441 99916 81606 57687 25453 72153 56965
02229 36130 35516 25132 82244 73866 06759 54503 74671 45720
37025 67159 76039 86818 12291 03574 65090 64084 45629 80960
63980 89833 09970 96474 63667 01560 62266 42525 63310 70091
16878 37232 86208 57541 84568 08685 18583 27580 38380 88478
06734 40615 60785 52945 00932 38429 34297 04846 63357 26564
34785 86373 14719 49536 74545 54089 39583 73655 65734 46175
000 000

8047/6802/5788 kHz, 23-11, 2000/2020/2040 UTC

463 463 463 1 755 45 755 45
03685 42402 07507 88523 11707 56560 12318 27044 93333 92509
27157 42817 72621 36171 40470 83834 06962 48396 54504 93258
56101 71534 31396 24196 30664 80962 93187 40548 08946 14562
77759 21354 43424 82046 40299 85702 01899 72993 99689 74409
20213 56792 05111 18270 11290 000 000

16296/14796/13396 kHz, 25-11, 1400/1420/1440 UTC

273 273 273 1 2152 39 2152 39
45081 49508 58716 54026 66347 65474 98441 91507 09049 40279
96537 57293 92434 60454 50387 19155 55544 39487 78328 57169
74536 09668 80646 21499 20303 61637 47991 63204 57532 21611
06584 90742 30437 65627 91741 16895 47944 82285 61588 000 000

8047/6802/5788 kHz, 25-11, 1800/1820/1840 UTC

463 463 463 1 755 45 755 45
03685 42402 07507 88523 11707 56560 12318 27044 93333 92509
27157 42817 72621 36171 40470 83834 06962 48396 54504 93258
56101 71534 40396 24196 30664 80962 93187 40548 08946 14562
77759 21354 43424 82046 40099 85702 01899 72993 99689 74409
20223 56792 05111 18270 11290 000 000

9317/10484/11552 kHz, 26-11, 0530/0550/0610 UTC

135 135 135 1 3557 108 3557 108
77788 44017 56766 73150 48746 58696 82844 70191 47878 20729
68277 56993 49194 70723 39748 07094 59359 84901 52186 30931
43547 66094 98927 11989 16747 05855 51779 77301 20163 69653
03118 35265 59347 35080 89117 62087 67081 87073 30837 43195
30715 48119 11789 52029 27823 47861 19555 06501 47650 66943
51707 17736 46493 56762 78538 05950 04891 16958 00436 01070
12654 71117 21185 10252 75947 10439 29153 62965 25063 59288
97657 40492 26346 10058 22960 02973 19295 82491 78467 92888
05280 94088 22260 70436 59522 24430 46292 28609 63087 51264
23917 86344 20882 11700 75778 16896 31902 65002 64597 34712
18735 57173 81730 01519 80783 07211 57872 50865 000 000

8119/9119/10419 kHz, 26-11, 0600/0620/0640 UTC

114 114 114 1 8078 50 8078 50
61821 18817 59119 03811 59062 74048 01867 68430 85394 34913
19959 47816 41637 22308 15937 97449 16261 91390 36804 38549
61505 60257 00765 42983 30248 78729 69099 73377 86777 17735
43514 03626 57083 74184 01561 14377 41666 52130 73404 43099
06042 21001 60774 52734 94739 31832 34793 39168 66424 58029
000 000

12162/11566/10711 kHz, 28-11, 1700/1720/1740 UTC

546 546 546 1 4208 104 4208 104
07364 29653 25651 00776 96667 79138 67316 38018 30953 30050
77535 99468 04813 70982 80237 77830 53917 32457 97207 81095
50362 04711 30345 41748 53901 57788 48764 17612 84880 44923
41450 42597 90163 86431 38012 17888 29450 56274 65949 67298
05826 99078 63755 47431 41289 26210 43939 69815 09511 76694
17964 92059 42132 70531 22149 41521 11889 96951 87778 86855
69605 54787 63693 19897 60808 29384 96846 30159 05611 62835
90889 20934 36944 41974 65442 39586 41863 64255 63576 68119
11439 04824 37811 02914 50030 02211 99679 92464 37107 00446
81654 67089 18859 51960 93156 01303 45829 93428 10838 59155
99871 83700 59046 30630 000 000

12162/11566/10711 kHz, 28-11, 1800/1820/1840 UTC

546 546 546 1 6427 111 6427 111
23706 66261 93129 81010 53148 00579 70059 73356 23725 66217
62633 60641 37599 51492 14508 21146 06913 21907 23241 61667
37046 99514 06969 46500 52615 89388 52215 90476 47463 26138
07085 65631 17318 12463 48614 80979 48669 97206 21778 86865
83714 00193 42862 80385 41745 77948 79450 20885 47965 59499
79985 85142 00575 54915 27426 62645 85683 11235 04118 62975
95012 64135 77178 70400 64603 56367 65294 38855 49637 08848
16609 84737 75912 03727 18336 94251 52643 76230 55729 77904
70697 89950 40726 96013 38110 47650 41336 59477 49399 19387
87955 48750 33198 98909 87196 30243 46487 40373 27205 25785
09801 70169 00682 46707 06615 35719 35633 98254 77108 00953
45510 000 000

14377/13461/12114 kHz, 28-11, 2000/2020/2040 UTC

317 317 317 1 4395 101 4395 101
09113 63068 52640 43699 21105 86697 85112 58613 91136 57315
13749 81251 55623 86288 51893 83787 26618 72245 33730 94287
41937 40828 73418 41407 53599 54488 19410 12740 06293 58322
48798 56878 87824 72568 85819 98909 97754 64161 05327 38351
45995 22859 16557 51529 80413 39626 30018 21880 10985 36982
55584 15550 94722 66972 17462 03137 73412 41127 93147 15378
75339 31905 13278 47745 95504 42320 61001 77682 26640 25600
46055 87523 73753 55942 92147 68364 73188 91259 27522 00631
38346 08457 34879 88671 77684 42756 35496 47441 84708 97798
17279 22605 54802 99861 49982 23971 33704 89766 53630 30637
01222 000 000

8047/6802/5788 kHz, 30-11, 2000/2020/2040 UTC

463 463 463 1 9539 100 9539 100
55064 63505 76316 64634 94440 38412 98000 34896 28339 96875
00372 63320 47840 24963 08348 50731 09773 50633 24467 53442
31829 61982 99020 96743 95010 25223 15248 12384 06864 53529
97413 06962 96327 00916 69956 75324 31284 96677 35555 33269
03424 31457 95085 37788 13552 42525 30388 64737 30873 85816
05233 93489 55816 96871 28768 35419 25805 44171 68601 04391
72565 25925 27687 86540 86379 25216 19147 63412 31265 39127
38004 55329 67638 40000 03343 34161 44508 14494 49933 78949
56196 38151 90737 75576 60995 62409 34093 63230 24422 60493
26643 35671 49721 85822 70287 71951 07373 28122 73638 74055
000 000

M14

4730 kHz, 02-11, 0800 UTC

523 523 523 00000

With a completely different repeat on 4650 kHz, 02-11, 0900 UTC

Transcript as sent

523 721 721 36 36 8 8
89012 89012 56790 56790 1235 41235 17236 2723622560 21060
84590 8550 34512 34512 32617 32615 17845 17845 24060 24065
62340 62340 45210 45210 47321 4732153476 93456 93164 93164
83032 83032 62752 62752 9217 52174 59356 553561455?2056
12345 2235 56520 56720 34569 345695322 5312 12045 2255
53550530?06321563217 10140 1010 68320683503450 3450 89012
85012 56790 56790 41235 41235 17236 17236 21060 22060 84590
84590
721 521 36 36 = = 00000

4730 kHz, 09-11, 0800 UTC / 4650 kHz, 09-11, 0900 UTC. Different repeat in red

523 423 423 23 23 = =
74381 53290 84616 27453 47190 34178 64378 25179 64285 66361
78152 36196 36195 25860 17561 46209 77630 47197 56306 78936
45179 74281 64709 89361
423 423 23 23 = = 00000

17458 kHz, 10-11/25-11, 0930 UTC

617 852 852 93 93 = =
00793 76546 37316 59878 53065 85266 26277 59523 99293 36601
78072 81238 86391 34281 42195 68494 55720 00283 99267 74879
83111 47404 67108 25857 81755 67570 66059 27085 86660 88709
10474 77591 64566 33538 42483 96027 05063 90810 29737 71587
48705 74043 21449 27821 67594 02534 34527 98884 39009 54679
80808 43263 20219 32132 81646 15775 12102 72429 28851 06223
58861 83603 59510 86427 60380 82850 99594 64141 58410 03177
15636 80217 08693 46626 96696 54016 07103 13172 75102 86225
78668 94392 04271 14531 76372 49702 81210 06187 70058 00339
37106 88574 70130
= = 852 852 93 93 00000

4636 kHz, 12-11, 1820 UTC. Note the repeated groups

186 641 641 41 41 = =
77630 47197 56306 78936 45179 74281 64709 89361 72254 16498
27153 88267 43190 90671 28431 74381 53290 84616 27453 47190
34178 64378 25179 64285 66361 78152 36196 25860 17561 46209
77630 47197 56306 78936 45179 74281 64709 89361 72254 16498
37813
641 641 41 41 = = 00000

4761 kHz, 13-11, 1920 UTC. Note the repeated groups

748 641 641 41 41 = =
77630 47197 56306 78936 45179 74281 64709 89361 72254 16498
27153 88267 43190 90671 28431 74381 53290 84616 27453 47190
34178 64378 25179 64285 66361 78152 36196 25860 17561 46209
77630 47197 56306 78936 45179 74281 64709 89361 72254 16498
37813
641 641 41 41 = = 00000

4730 kHz, 23-11, 0800 UTC / 4650 kHz, 23-11, 0900 UTC

523 577 577 32 32 = =
70045 13213 67678 43122 76897 11223 44533 11554 90077 54123
51122 44313 61455 80188 51432 88919 65122 77656 88911 65112
43123 67677 87123 12356 98077 33221 55412 67789 09890 12433
45567 21213
= = 577 577 32 32 00000

4636 kHz, 26-11, 1820 UTC

186 126 126 35 35 = =
94815 17778 59092 48434 78662 30274 25235 67183 81449 71063
73601 36224 49240 93499 44052 74265 47831 33181 59980 37679
83415 10011 27058 65776 45390 89737 25625 09744 26516 86825
28028 65268 49132 39369 76266
= = 126 126 30 30 000

4761 kHz, 27-11, 1920 UTC. Most groups sent twice. Errors and different repeats in red

748 167 167 30 30 = =
16958 38993 46166 25257 77847 39172 06472 10790 66479 15167
06094 38647 79815 75815 4552 pause 8 22125 10098 48092 34235
55852 59295 55259555252 55272 11551 08778 68394 45120 04398
79900 40469035552655816 66590
= = 167 167 30 30 (no zeros at the end)

4730 kHz, 30-11, 0800 UTC / 4650 kHz, 20-11, 0900 UTC

523 521 521 37 37 = =
90164 36186 42751 33185 80541 27153 88257 43190 90671 28431
74381 53290 84616 27453 47190 34178 64378 25179 64285 66361
78152 36195 25860 17561 46209 77630 47197 56306 78936 45179
74281 64709 89361 72254 16498 37813 54720
521 521 37 37 = = 0000

M21 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)

4274 kHz, 01-11, 1001 UTC =991301??8????? =991302??8????? =991303??8?????
4221 kHz, 04-11, 0718 UTC =990918??0????? =990919??0????? =990920??0?????
7949.5 kHz, 04-11, 0820 UTC =99?1120?9????? =99?1122?9????? =99?1124?9?????
6791 kHz, 08-11, 0657 UTC =990955??8????? =990956??8????? =990957??8?????
4349.5 kHz, 08-11, 0811 UTC =991111??0????? =991112??0????? =991113??0????? //4613 kHz
5219 kHz, 08-11, 0844 UTC =991144??0????? =991145??0????? =991146??0????? //4349.5 kHz

4349.5 kHz, 09-11, 0539 UTC
=14505469397936 =14502467163938 =990839??0????? =14504467151838 =14505467253938 =14507469397738
=990840??0????? =14501467163140 =14502467163240 =14503467163340 =990841??0????? =14506467253940
=990842??0????? =14501467265742 =14503467265542 =14505467252542 =14507467253942

2801.5 kHz, 09-11, 1026 UTC =991326??0????? =991327??0????? =991328??0?????
3316 kHz, 10-11, 0722 UTC =99?1022?9????? =99?1024?9????? =99?1026?9?????
4754.5 kHz, 10-11, 0921 UTC =99?1221??0????? =99?1222??0????? =99?1223??0?????
4349.5 kHz, 10-11, 1500 UTC =991800??0????? =991801??0????? =991802??0?????
6791 kHz, 21-11, 0713 UTC =991012??8????? =991013??8????? =991014??8?????
6323 kHz, 21-11, 0720 UTC =99?1021??9????? =99?1023??9????? =99?1025??9?????
4349.5 kHz, 21-11, 0750 UTC =991050??0????? =991051??0????? =991052??0?????
3616.5 kHz, 22-11, 0852 UTC =992152??0????? =992153??0????? =992154??0?????
8023 kHz, 23-11, 0709 UTC =99?1009?9????? =99?1011?9????? =99?1013?9?????
5860.5 kHz, 23-11, 0830 UTC =991134??0????? =991135??0????? =991136??0?????

M51 / FAV22 8éme Régiment de Transmission

M51b: 3881//6825, 30-11, 0857 UTC, CW

Non-stop 5-character groups composed of M51a messages.
The spaces between the messages were not transmitted but entered afterwards.

MXSKW NCJDA KDOWP BCMJK AZMNS SKWID NXSOQ NXSDF HJCSI 26530
BCHSW .,='VA BZAHA CXSHA JAQIS NXZKA LDKIW CBSHA ZALOQ BXNSJ
02148 MDYUG ?/. ,AS ZAQIS HXAKQ XMNSA AQPOE CNSHW LDOJF XNWMA
LDKOW 48901 SHWTD /.'?', MVKDL SAHQB XVSHD DJWIF SALOJ NCSJS
QAQSD NNCJE 74302 DRWED ?/.VA' NVBXC NSWPO NDEYJ DJKED AXZVS
NVLRU LDPEJ WRSFU 43269 HGKRO /'AS,? KDWIC SNSJW VZWPO LFMKR
DREGN MCEIS MCKDO AFQTH 01658 GSWPO .AR',/ NSYWP ASQEZ NXHWY
BXWJK LFPEI CNMWI ZCVQT MVIEW 49635 KFUEI VA.'AS/ VXBAQ KAOWP
BCHWQ CVDBE FKEIS QEAFY CBDFW VFLPE 41203 SPIJG ?/'VA' ZAJSU
VXBHQ XHQJS BXBWH ALPQE BCBDY CBXBX NXWPO ?.,'/ GDWYD 56320
AZNXM WLJSS FSWTH BXVCS VMKDA ZBCYQ LSOPD VCNWM 93502 JDIWK
?.,VA, ZAUSH BDHWA BXVSG GDYWL POFKE NDJAI BVCXA MQIKD MVLAO
56398 KDOWL .,=' / JXUWG GDJAL PLGOE

GHDJA QJAKI HNDKZ WKQLA ZPMQH DGEUZ XBCVF WBQJH SJAUL MQHDF
TGDHN 26483 SHBXJ SKQLZ AMPLU JDGXC WBQHZ AGFHC KUIOD XHRIL
UJFOR SGXHW 46201 KSJFY XVSJZ LAPMS HWCXV RBSHD KLAUH YHDKZ
WBCVX CHFDY ZUJAK 28678 JSKZI WGPCZ SKLQB WNDHR ZUYHF OKSLZ
WMQHA WCXHD RTDJS WNCHD SUJRG ZJSKP PMQHF NBCUH PHJDF XVWHR
10735 XVDFZ WHNAY 76382 KQNBX ZJAKO WUJRD XVSJZ

PLDHS BXJZU QJAKA UVFGR SJNWK AIKDL SPMAO XNCVF XHNCV SHZUJ
PLDHS WBXCS VAUJD FVXGR SHZUJ QKALP KJHNB 67352 IUJHG BXNDH
YHDKZ WBXVF CJERZ QJAKO MLDHB NWBJU 67354 IKDHX 65372 NWJAL
PMHBN XCFSB CPAMK WNSJG VCURT FVXJS UJSKZ WKALP JNBCH TGDIC
UJFHB NXJSF CVFRD XVCBF ZKJSU 637/2 89167 GBCJD UJDKZ WMLON
PMFHC VXJZI SKAPL NXJFY WCXV SHZJU QJAIK 76491 NVXBF YHFKC
PLKHB NJKSI SLZUH XBCHF YHYTG XVCHD KSHET AVBCK VBXHZ 65371
IJDUY XVDGZ WNXCV SHAUJ WNBXU TGDHZ IKSLA PMWNV XHRTZ BWNSJ
OLFHR VXBSY 35281 WNBXH ZUJDO ALKDH BXNFT WCXVA ZKSLP WMNJD

M51a: 3881//6825 kHz, 30-11, 0920 UTC, CW

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825

SAMEDI 5/LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =
VXSYW JSJPO APQOI VCBSH ZXSKL NMVCB EUYSJ KLJHS VCBXH 02564
BCDFW ?AR., ' LPDOU XNCBM XZSAD VCBSG NOLEP VCBSQ RYTUI MDJSI
, '.?/ NSACQ 58401 KDOEP VMDKW LDOUA ZSWOJ BCNDH KDUEI VCNAQ
ALPCI 48932 LPOEI ,/.ASVA ZAQID BBCDJ ALKSO XBCHS SJWIX BCNCJ
CMSKW CZFST 12036 SAWQD .?=/? ZNXJS QPLOS DHDWU XBCNS AJSWI
XETYC VNMSK AQOIW 89564 JGUYI ?/., ' JQIAL OILPU XVAGW DHFGR
VNMEI SAHWU DDPLI CBSJW 23561 VSDWR ?. ,VA' NCPQE XBSHW SKWOP
SABWU CBEYD NBMCK SAJWU XCVWY 43692 BCHWJ .?/AS. CXAFQ JFILH
MNLFP +

SAMEDI 5/LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =
AINSI LE SECRÉTAIRE GÉNÉRAL DU CONSEIL SUPÉRIEUR DE LA FONCTION MILITAIRE (CSFM) ET CELUI DU HAUT COMITÉ
D'ÉVALUATION DE LA CONDITION MILITAIRE SONT, DE DROIT, DES MEMBRES DU CONTRÔLE GÉNÉRAL DES ARMÉES.
HABITUELLEMENT, ENTRE VINGT ET TRENTE MEMBRES AU MOINS DU CORPS OCCUPENT DE TELLES FONCTIONS. LA
PRODUCTION DU CONTRÔLE COMPREND DES RAPPORTS, DES NOTES D'ÉTUDE, DES COMPTES-RENDUS DES COMMISSAIRES DU
GOUVERNEMENT, DES AUDITS... LE CGA PRODUIT UNE CENTAINE DE NOTES D'ÉTUDES ET DE RAPPORTS PAR AN ET PARTICIPE À
DE TRÈS NOMBREUSES RÉUNIONS AUXQUELLES IL APPORTE SON EXPERTISE. +

CQ DE FAV22 VA

M89 - Chinese military

4835 kHz, 03-11, 0839 UTC, i.p.

4835 kHz, 03-11, 0845 UTC. Switched to voice traffic in Chinese

AR K
R RPT 16W TO 19W = TDAU TDAU AD3D AT3D AR K
R GA
R GA
R RPT 30W K
R QSL 1645 1645 K
R USB WK USB WK K

7077 kHz, 03-11, 0824 UTC, i.p.

JYA5/ZM5W AR
QSYU 60 Z QSY
VVV 3ANZ EEEE
VV YAN7 YAN7 YAN7 DE LAG2 LAG2 LAG2
FF NR 200/EX 1626 =
R75E/HV7A AR
NR 2308/EX 1626

3178 kHz, 04-11, 1158 UTC, i.p.

R RPT 34W 7U54 7U54 K
R RPT 38W TO 40W = 6U6D 6U6D 6UNN 6UNN 3U6U 3U6U AR K
R RPT 51W 5TTN 5TTN K (Cont'd repeat groups)
R SK

5023 kHz, 04-11, 1057 UTC, i.p.

VV WGHY DE DVBH K
R QSA 2 IEC = G2H8 AR K
R RPT K
R HR F GA F NR 003/EX 1904 RMKS 5320 TO 8742 =
YC4W/XNM9 AR AGN
F NR 003/EX 1904 RMKS 5320 TO 8742 =
YC4W/XNM9 AR QSL ? K
R RPT 1W YC4W YC4W K
R RPT 2W XNM9 XNM9 K
R RPT 2W XNM9 XNM9 K
R U F GA K
R RPT K
R GA K
R GA
R QSL 1910 HR QRJ U QSY NR EEEE R HR QRJ U QSY NR 15
R QSL 1910 HR QRJ U QSY NR 15 15 K
VV WGHY DE DVBH K (Cont'd)
73773773737373737377
VV WGHY DE DVBH K

3360 kHz, 05-11, 1113 UTC, i.p.

RPT 39W = = 7653 AR K
R RPT (Other station also on this frequency)
R QSL 1914 K
R K
SK SK SK

4221 kHz, 07-11, 1648 UTC, i.p.

R HR MSG GA K
R MSG NR 8281 CK 100 21 1008 0030 RMKS 800 TO 8541 =
..U76 4DUN 5.73 36U7 DN4A 753N A6.7 (Cont'd)

4222 kHz, 07-11, 1214 UTC, i.p.

U RPT GA K
R 61W K
RPT 61W K (Cont'd ask for repeats)
QSL 2026 K
R MSG NR 02 CK 61 21 1107 1430 K (1224z)
= NTAD N37A 54DT D57T 7UDA 3U4N 63DT U35T ATUA TTTAU (Cont'd) AR K
R RPT 37W 3N6D 3N6D K
R FFF NR 175/EX 2031 =
FFF GA
F GA
NR 175/EX NR 175/EX 2031 2031 =
7BE3/E= =
7BE3/EBB A K EEEEE
R EEEE AR K
R NR 175/EX NR 175/EX 2031 2031 =
7BE3/E6B A AR
R RPT 1W K
R RPT K (Other station found on 4111)
R QSL 2039 K
SK

6200 kHz, 08-11, 0739 UTC

JHYF de DFK8 HR NR 064/EX 1539 RMKS CQ = EI4H/AN5B AR
JHYF de DFK8 HR NR 065/EX 1542 RMKS CQ = DJ4F/XXQS AR
JHYF de DFK8 HR NR 066/EX 1545 RMKS CQ = SONF/A83R AR

10563 kHz, 09-11, 0423 UTC

3D1U de G25H V
MSG NR 035 499 50 1109 1230 =
035CK 499 50 1109 1230 =
75U7 73A3 ...

4261 kHz, 14-11, 1036 UTC, i.p.

HR MSG GA
NR 1573 CK 70 17 1114 1830 RMKS CQ =
7A43 TN5D 73A4 (Cont'd)

5190 kHz, 14-11, 1007 UTC, i.p.

HR MSG .. K
AGN (Both stations on this frequency)
R HR NIL SK
NIL K
HR MSG GA K
MSG NR 041 C99 4 EEEEE NR 041 C99 EEEEE
NR 041 CK 99 43 1114 1800 RMKS 6239 TO 6238 6819 =
AN56 UD43 7TAU 65N3 47DT A7U5 364D NTAU 3D4T 5N67 (Cont'd)
AR
VV 4RF4 DE FR43 K
VV 4RF4 DE FR43 K
R 2 .H DE ..7JK
R Q225 DE ..7JK R QSA 2 QSA ? K
R QSA 2 QSL ? K
NR GT T EEEE R RPT 1W K
R RPT 1W 1956 16 EEEEE R RPT 1W 1956 18 EEEEE NRPT 1W 1956 1956 K
R RPT 86W K
R RPT 86W 9258 9258 K (Cont'd with repeats)
R QSL 1820 K
R HR WK NR 00170 K
HR WK NR 15120 K
R HR NIL SK
GB
R HR NIL SK
R HR NIL SK
VV 7UJC DE FR43 K
R Q2TS DE ..J.. QSA 2 QSA ? K
Q2TS DE FJ.W R QSA 2 QSA ? K
R QSA 2 QSL ? K
R RPT 05W K
R RPT 05W 4780 4780 K
R RPT 85W K
R RPT 85W 6712 6712 K (Cont'd to repeat groups)
R QSL 1825 K
R U MSG GA K
R AS
R MSG GA
MSG NR 007 CK 99 43 1114 1800 RMKS 6819 TO 6239 K
35N5 5T57 D.6U UD63 (Cont'd)

3844 kHz, 20-11, 1711 UTC, i.p.

R RPT 03W TO 4W K
R RPT 3W TO 4W = AU34 T56D AR K
R RPT 40W K (Both stations on this frequency)
R RPT 40W 0127 0127 K (Cont'd to ask repeats)
R QSL 0115 K
R U 7G GA K
R HR MSG GA MSG NR 090 CK 99 48 1121 0100 = (Machine sent)
T3N6 3U4T D7UA 4D6N NUTA 4D7U 74T6 N754 DNA6 AT3U (Cont'd)

AR QSL ? K
R RPT 29W K (Chirpy xmitter)
R RPT 29W 0248 0248 K
R RPT 40W TO 42W K
R RPT 40W TO 42W = 43AU UDA7 374U AR K (Cont'd ask for repeats)
R QSL 0122 K
R HR WK NR 00470 K
R HR WK NR 0917 K
R HR NIL SK
R HR NIL SK

4123 kHz, 21-11, 1243 UTC, i.p.

QSY TO 50 50 QSY TO 50 50
QSY TO 50 50 K K
BB VGHG VGHG K K
QSA 2 QSA 2 K
R R ICE = 8058 K K (Exercise related)
R R OK

4056 kHz, 22-11, 1107 UTC

R 7G NR 004 CK 99 81 1122 1909 RMKS 5835 TO 8838 =
AU63 457D NTDA 5U34 67NT AU34 T5N6 7DA3 T54U D76N (Cont'd)
AR QSL ? K
R HR WK NR 00130 K
SK

4082 kHz, 22-11, 1107 UTC

R RPT 90W TO 91W =
36T7 A567 AR K (Cont'd repeat groups)
R GA (Other station on 4056 kHz)
R RPT 93W K
R QSL 1916 HR WK NR 00170 K
SK

5137 kHz, 22-11, 1043 UTC

67DA 547D 6T3A 7U45 DA7U
AR
VV Z2RZ DE P1QT K
QSL ? K
R U WK EEEE R U WK NR GA K
ZAN ZAN
VV M3A. DE P1QT K
R QSL ? K
R RPT K
R U WK NR GA K
R KP
VV W9XG DE P1QT K
R QSL ? K
R U WK NR GA K
R KP
VV ..KN DE P1QT K
R QSL ? K
R U WK NR GA K
R KP
VV 64KS DE P1QT K
R QSL ? K
R U WK NR GA K
R KP
VV 66.. DE P1QT K
R QSL ? K
R U WK NR GA K

R KP
VV P6OQ DE P1QT K
R QSL ? K
R U WK NR GA K
R KP
VV A4C1 DE P1QT K
R QSL ? K
R U WK NR GA K
R KP
VV ...M DE P1QT K
HR WK NR 965 965 SK SK

10232 kHz, 22-11, 0041 UTC

T3DT 7N36 NA6U 6UA5
AR K
N RPT .. K (Other station also on this frequency)
R RPT RMKS 9213 TO 0978 K
N RPT.... K
R RPT 11W TO 20W =
6UA5 5DT5 7D6U TD3N UA4D A5N3 UN45 ND7D 7546 46D3 AR K
R (Cont'd repeat groups)

8228 kHz, 24-11, 1006 UTC

DP91 (x3) DE CQ (x2) V (IP – Cont'd - Machine sent – 1006z) (New frequency for this station)
HR NIL SK GB NIL SK GB (Hand sent - 1008z)
HR NIL SK GB (X14) (Machine sent – Silent 1010z)

6810 kHz, 25-11, 0347 UTC

R RPT 1W
R RPT 1W TTT3 TTT3 TTT3 K
RPT 3W (Both stations on this frequency)
R RPT 3W TTT4 TTT4 (Cont'd repeat groups)
OK QSL 1152 K
OK HR NR L NIL
NIL
SK SK GB GB

6971 kHz, 25-11, 0313 UTC

R QSA 2 K
R IEC = 9486 AR K (Exercise associated)
R GA
R RPT NR K
R QSL 1117 K
R HR MSG GA K
R QSL 1117 K
R HR 7G GA
7G NR 1275 CK 35 86 1125 1118 RMKS 0328 TO 0441 K
UA43 TN5D 73A4

7596 kHz, 25-11, 0304 UTC

QSA 2 K
R R QSA 2 IEC = 64 AR (Exercise associated)
R IEC = 20 AR K (Both stations on this frequency)
RRR HR WK NR 812 MSG GA K
R HR F GA K
R R FF NR 712/EX 1100 =
Y4D2F/G.F6S AR
FF NR 712/EX 1100 =
Y4D2F/G4F6S AR CY HW ? K
N QSL .. 12 K
R R OK HR MSG GA K

R R MSG NR 712 CK 41 66 1125 1104 =
3A7D 34ND 6U73 AD5U4 (Cont'd)
AR CY HW ? K
QSL 111. K
RR OK SK GB

4866 kHz, 28-11, 0110 UTC, i.p.

HR QRJ U QSY NR 1 K
AGN
HR QRJ U QSY NR 1 K
R AS
R WKFV DE U EEEE
R QSA 2 K
AGN
R AS

5042 kHz, 28-11, 1024 UTC, i.p.

6NAD UAD6 T37D 63D3 5NN6
AR QSL ? K
R RPT PBL 7G NR 097 161 15 1128 1800 RMKS EEEEE
RPT PBL 7G NR 097 CK 16115 1 EEEE
R RPT 7G PBL EEEE
R RPT PBL 7G EEEEE
R RPT PBL 7G NR 097 CK 161 15 1128 1800 RMKS 2973 TO 7438 K
R RPT K
R RPT 1P 7W TO 15W = 5D.. 3. (Cont'd)

5510 kHz, 28-11, 0255 UTC, i.p.

OK RPT 11W = = = TU66 TU66 AR W
20W
R RPT 20W (Cont'd asking for repeats)
OK QSL 1056
OK AS
OK

5555 kHz, 28-11, 1536 UTC, i.p.

PQAL DE CWAL K
QSA 3 QSA ? K
PQAL DE CWAL K
CWAD DE PQAL QSA 3 QSA ? K
VV PQAL DE CWAD K
VV PQAL DE CWAD K
R CWAD DE PQAL QSA 3 QSA ? K
VV PQAL DE CWAD K
CWAD DE PQAL QSA 3 QSA ? K
PQAL DE CWAD

7512 kHz, 28-11, 0302 UTC, i.p.

DP3091 DE DP91 CL K
DP3091 DE DP9 AR QSA AR NIL E
IK E E GB E
GB GB E
VVVVV DP3091 DE DP91 CL K
VVV DP319

8228 kHz, 28-11, 1000 UTC, i.p.

A DP DE A DP91 CQ V
DP91 (x3) DE CQ (x2) V (Cont'd)
HR NIL SK GB

10321 kHz, 28-11, 0942 UTC, i.p.

VV WYFV DE FRE6 K
R QSA 1 HR ... K
HR 7G GA 7G NR 12. CK 99 93 1128 175EEEE
NR 125 CK 99 93 1128 1700 =
DU.T 6A4U UD35 736T U67U (Cont'd)

10356 kHz, 28-11, 0949 UTC, i.p.

6U54 64T3 UTA7 U64D 74TD
AR QSL ? K
R RPT 5W 2672 2672 K
R RPT 51W 8204 8204 K (Cont'd to repeat groups)
R U QSL 1752 U 7G GA K

M95

4243 kHz, 04-11, 1146 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 04-11, 1149 UTC, M95: CW. Repeating Q26's messages

VV HR MSG TO YR PSE CY
NR 16 CK 22 35 1104 1527 =
5AA UTT T64 (Cont'd – running letters together) AR
A HR 7G GA
NR 08 CK 156 35 1104 1602 =
UTU TT5 3U6 3A4 7TA 7TA (Cont'd)

4364//8073 kHz, 04-11, 1130 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4364//8073 kHz, 04-11, 1143 UTC, M95: CW. Repeating Q26's messages

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0943 CK 382 35 1104 1603 =
TT4 3U6 3AN 3U7 TAU 773 (Cont'd)

5801//10180 kHz, 04-11, 1028 UTC

VVV HR SVC GA
NR 019 1830 RMKS 6354 TO 6635 = CL/1900/Z=/6354/6635 AR
QSL ? HR WK NR 130

7846 kHz, 05-11, 1033 UTC, i.p.

IEC = 9228 K K
R AR EEEE IEC = 9228 = K (Normally associated with exercise)
R IEC = 9228 AR K
RR HR NOT EEEEE R HR NR NOT K
R HR NR NOT K
HR NR NOT K
R MSG GA K
R GA
R R MSG NR 03/CCK CK 3. 10 1105 1835 RMKS 3564 TO 4064 K
R GA (Message format indicates M95 family)
MSG 4ADA T65A NUD6 5AN3 U3UT D5UA 3UDA 35.3 TA63 TTTA
64ND U35N 4T47 4TNU DU63 .DDU 6AUA TA5A 34N4 45N6
DN7D .N4 ..D47 576N 53T6 7UA. D4N7 AT6T D634 A7N6 AR K
HR RPT 8W IS 3573 AR K
R 8W R R 8W = 3.73 AR K
R 10W AGN A EEEE MSG AGN
10W R R 10W = 0001 AR K
R R 10W = TTTA AR N3
AGN R R AGN 10W TTTA K
R QL EEEEE QSL 1843 K
R R U MSG GA K
R MSG NR 03/CCK CK 30 10 1105 1835 RMKS 4064 TO 3564 K

R R R GA K

R =

DNAN 6TE4KFA CSDNKU RAAAR UK =

= 4ADA T65A NUD6 5AN3 U3UT D5UA 3UDA 3573 TA63 TTTA

65ND U35N 4T47 4TNU DU64 5DDU 6AUA TA5U .6AUA TA5A

34N4 45N6 DN7D NTN4 7D47 576N 53T6 7UA4 D4N7 AT6T D644 A7N6 AR

TA R R AGN R K AR AR S EEEEE =

4ADA T65A NUD6 5AN3 U3UT D5UA 3UDA 35A3 TA63 TTTA

65ND U35N 4T.7 4TNU DU63 5DDU 6AUA TA5A 34N4 45N6 DN7D

NTN4 7D47 576N 53T6 7UA4 D4N7 AT6T D634 A7N6 K (1050z)

R R QSL 1850 K

R

4243//9054 kHz, 07-11, 1146 UTC, M95: CW

4243//9054 kHz, 07-11, 1206 UTC, V26: USB Chinese voice. Repeating M95 messages

N3D 353 336 N3U 354 373 (Cont'd)

AR A HR MSG GA

NR 33 CK 19 35 1107 1555 =

UT5 TT7 3U6 3A4 TTA TTU TT3 773 35U 4TA

336 N3D 4AN 446 33. N3U 435 4D6 3DU AR

A HR UP SB WK AR AR

4590 kHz, 08-11, 0922 UTC, i.p.

HR 7G GA 110

0110/CCK CK 299 35 010241800 ...

45A 7655 540U4ADT (Cont'd - Running letters together)

3424 kHz, 10-11, 1150 UTC

VV DL7T DE VML3

HR 7G GA

NR 143/CCK CK 299 31 1110 1950 RMKS CQ = (Message format indicates M95 family)

4DA6 54A3 A7T4 D5U7 U5N3 467D N3T6 A6T4 T6UD 7N5U (Cont'd)

4243 kHz, 19-11, 1151 UTC, M95: CW

4243 kHz, 19-11, 1207 UTC, V26: USB. Chinese voice repeating M95 messages

A HR MSG GA

NR 029 CK 51 35 1119 1548 =

5AA UTT TAN 3U6 7T3 7TA N44 (Cont'd) AR

A HR MSG GA

NR 089 CK 21 35 1119 1616 =

UT5 TAN 3U6 (Cont'd) AR

A HR UP SB WK

4364//8073 kHz, 19-11, 1130 UTC, V26: USB. Callup in Chinese voice

4364//8073 kHz, 19-11, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages. Still having technical issues

4364//8073 kHz, 19-11, 1143 UTC, M95: CW. Repeating Q26 messages

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 1036 CK 296 35 0AA0 1544 =

TAN 3U6 3AN 3U7 TAU 773 TA7 773 TU4 773 353 (Cont'd)

4364//8073 kHz, 22-11, 0011 UTC

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 1056 CK 136 35 1122 0644 =

TUU 3U4 3A4 TAU 773 353 4T3 (Cont'd) AR

A HR MSG GA

NR 1057 CK 21 35 1122 0650 =

TAA N5U TUU N53 TT6 N54 7TT TAU 746 7T5

77T 6TN 7AA 7AD DU4 7U4 46D U5U 7T5 6T7 7U5 AR

A HR MSG GA

NR 1058 CK 60 35 1122 0656 =
TAA N5U TUU N53 TT6 N54 7TT TT6 (Cont'd) AR
A HR 12W K E

5801//10180 kHz, 22-11, 0254 UTC, i.p.

NR 059/CCK CK 299 21 1122 1050 RMKS 6354 TO 6578 6894 6663 =
7T6D N345 AUDN 7UT3 A456 TUA5 6437 DN45 U67N 3DTA 476A (Cont'd)

3940 kHz, 23-11, 1531 UTC, i.p.

C6J6 DE YI3U R QSA 2 QSA ? K
R RPT K
R = ERP EEEE R = ER AR K
R GA K
R RPT RMKS K
R RPT K
R RPT 90W K
R RPT K
R RPT 60W K (Cont'd asking for repeats)
R AS K (1543z)
R HR MSG EEEE R QSL 2340
R HR MSG GA
NR 114/CCK CK 91 74 1123 2330 RMKS 6035 TO 6270 K (Message format indicates M95 family)
U64A U3T4 3NU3 DADT N5N4 D56N (Cont'd)

4312 kHz, 28-11, 0100 UTC, i.p.

R QSA 3 K
ICE 2344 R K (Exercise associated)
R = 3328 AR K (Both stations on this frequency)
R HR MSG GA K
R GA K
HR 7G NR 105/CCK CK 81 17 1128 0900 RMKS 3195 TO 386. K
R GA K (Message format indicates M95 family)
1P GA = = T7DU 7473 (Cont'd)
AR QSL ? K
R QSL 0906 K
HR /139 K
HR 0.. K
R NIL SK GB
R NIL SK GB

5555 kHz, 28-11, 1537 UTC, i.p.

VV GA NR 003/CCK 91 74 1128 2330 RMKS 6379 TO 6035 =
4A6T 3UA/7 5D43 (Cont'd – 1537z) (Message format indicates M95 family)
NR 003/CCK 91 74 1128 0330 RMKS 6379 TO 6035 =
4A6T 3UA7 5D43 (Cont'd. Only sent first 30 groups)
AR QSL ? HR WK NR 0831
= 4A6T 3 (Another station calling is background: PQAL DE CWAL)
R CWAD DE PQAL QSA 3 QSA ? K
R QSA 2 QSA 2 K (Both stations on this frequency)
R CWOA DE YI3U R QSA 2 QSA ? K
C QSA 2 IEC = 0WAR K
R = M5R = G Q AR K
R HR 7G GA K
R GA K
R HR 7G GA NR 003/CCK 91 74 1128 2330 RMKS 6379 TO 6035 =
RPT K
AS AS AS

4312 kHz, 28-11, 0100 UTC, i.p.

R QSA 3 K
ICE 2344 R K (Exercise associated)
R = 3328 AR K (Both stations on this frequency)
R HR MSG GA K
R GA K
HR 7G NR 105/CCK CK 81 17 1128 0900 RMKS 3195 TO 386. K
R GA K (Message format indicates M95 family)
1P GA = = T7DU 7473 (Cont'd)
AR QSL ? K
R QSL 0906 K
HR /139 K
HR 0.. K
R NIL SK GB
R NIL SK GB (

5128 kHz, 28-11, 1207 UTC i.p.

05
RMKS ONR 18 100
05 OK T .. MNM.. T4W XT.DTB

5555 kHz, 28-11, 1537 UTC, i.p.

VV GA NR 003/CCK 91 74 1128 2330 RMKS 6379 TO 6035 =
4A6T 3UA/7 5D43 (Cont'd – 1537z) (Message format indicates M95 family)
NR 003/CCK 91 74 1128 0330 RMKS 6379 TO 6035 =
4A6T 3UA7 5D43 (Only sent first 30 groups)
AR QSL ? HR WK NR 0831
= 4A6T 3 (Another station calling is background: PQAL DE CWAL)
R CWAD DE PQAL QSA 3 QSA ? K
R QSA 2 QSA 2 K (Both stations on this frequency)
R CWOA DE Y13U R QSA 2 QSA ? K
C QSA 2 IEC = 0WAR K
R = M5R = G Q AR K
R HR 7G GA K
R GA K
R HR 7G GA NR 003/CCK 91 74 1128 2330 RMKS 6379 TO 6035 =
RPT K
AS AS AS

4110 kHz, 29-11, 0136 UTC, i.p.

NR 067/CCK CK 91 88 1129 0935 RMKS 8376 TO 8616 =
645N N4NA 3A4. (Cont'd. Message format indicates M95 family)
AR K
R RPT .. K (Other station also on this frequency)
R RPT ... AR K (Cont'd repeat groups)
R U MSG GA K
NR 6./CCK CK 9. .. 29 0 EEEEE
NR 67/CCK CK 9. 88 1129 0934 RMKS 8616 TO 8376 =
645N N4NA 3A4. (Appears to repeat message)

5124 kHz, 23-11, 0741 UTC. 7EDG wkg GW1G

MSG NR 302/CCK CK 199 36 13 23 1300 RMKS 4363 TO 4783 / 4933/ 4973/ 5634/ 4883/ 4343/ 4304/ 4323/ 4990/ 4993/ 4383/
4363/ =

UM03 – Chinese X2M net

Logged by JP. Nice catches !!

7920//8150//8410 kHz, 18-11, 0728 UTC, i.p.

11 11 CK 100 CK 100 TIME 1430 TIME 1430 DATE 1501 DATE 1501 =
BQSKZ UWLOD MODFV PHJYB ZOQFI XZ.R. DSUJM PEWYN WQFIX BJMVK (Cont'd)

8410 kHz, 21-11, 0131 UTC

VVV CQ (x3) DE X2M (x2)
MSG (X2) ENG (x2)
VVV CQ (x3) DE X2M (x2)
21 21 CK 100 CK 100 TIME 0833 TIME 0833 DATE 1801 DATE 1801 =
UDN5A 4UAD5 N4T63 7U43N A7UD4 N465A 7U53N T637A 4TNA7 T74D5 (Cont'd) AR
23 23 CK 100 CK 100 TIME 0840 TIME 0840 DATE 1801 DATE 1801 =
4T6AD A6U74 DAN46 3NT64 7U53N U7D45 N475U 3NT65 A4UDN 5U63D (Cont'd)

7920//8150//8410 kHz, 22-11, 0002 UTC

CQ (x3) DE X2M (x2) VVV
MSG (x2) ENG (x2)
MSG ENG
01 01 CK 100 CK 100 TIME 0702 TIME 0702 DATE 1901 DATE 1901 =
TVKNC LNCFU PRGYJ JYNQF CRTIL JLADS UVXMP YPEWQ ZRTIA GWFUD (Cont'd) AR
03 03 CK 100 CK 100 TIME 0709 TIME 0709 DATE 1901 DATE 1901 =
BQSKZ KZCFU DFUXM VXMPQ BQSKZ DFUJM BDSVE WOIXR PRJVE TNCEW (Cont'd)

7920//8150//8410 kHz, 23-11, 0749 UTC, i.p.

AR
19 19 CK 100 CK 100 TIME 1450 TIME 1450 DATE 2001 DATE 2001 =
ETWLN WLODF ODSJY JZDQS GUJLA (Cont'd)

7920//8150//8410 kHz, 27-11, 0941 UTC, i.p.

AR
03 03 CK 100 CK 100 TIME 1642 TIME 1642 DATE 2401 DATE 2401 =
D45A6 T6A7U (Cont'd)

DIGITAL MODES

HM01 - Dirección General de Inteligencia

Again a rather dull month. No sign of V02a and M08a and only one new st of groups in November.

1-4 Nov: 66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)

5 Nov: New groups: 77236 61724 01307 67503 26321 03484

6-30 Nov: 77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)

F01, F06, F06a, M42, M42a, M42b, X06 - Russian Government & Intelligence

M42 – various modes

Freq	Date	UTC	Day	Details	Mode
13535	1-11	1013	Fri	Russian diplo	MFSK-66
12184	1-11	1025	Fri	Russian diplo	MFSK-66
6896	14-11	1828	Thu	Russian diplo/intel.	Serdolik
13439	19-11	0951	Tue	Russian diplo	MFSK
10128	19-11	0952	Tue	Russian diplo	MFSK
13427	25-11	0812	Mon	Russian Intel.	5xMFSK-16/250Bd BPSK
12163	25-11	1237	Mon	Russian Embassy Sofia wkg MFA Moscow. QSX 13427 kHz	USB/MFSK-35
13427	25-11	1237	Mon	MFA Moscow wkg Embassy Sofia. QSX 12163 kHz	USB/MFSK-35
6896	25-11	1821	Mon	Russian Intel.	MFSK-16/125Bd/250Hz FSK
6896	25-11	2224	Mon	Russian Intel.	Serdolik
13964	26-11	0808	Tue	Russian diplo/intel. i.p.	MFSK
14634	27-11	0801	Wed	Russian diplo/intel. i.p.	MFSK
16313	27-11	1222	Wed	MFA Moscow wkg Embassy Dar es Salaam. QSX 17461 kHz	USB/MFSK-35
17461	27-11	1222	Wed	Russian Embassy Dar es Salaam wkg MFA Moscow. QSX 16313 kHz	USB/MFSK-35
6954	27-11	1649	Wed	Russian Embassy Lisbon simplex traffic to MFA Moscow	USB/MFSK-32+OFDM-60
13964	28-11	0812	Thu	Russian diplo/intel.	MFSK
12090	28-11	1204	Thu	MFA Moscow wkg Embassy Dar es Salaam. QSX 17461 kHz	USB/MFSK-35
14635	28-11	1204	Thu	MFA Moscow wkg Embassy Athens. Sending tfc to Athens and then idling/chatting for about 20 minutes. QSX 12103 kHz	MFSK-66
12164	29-11	1023	Fri	Russian diplo/intel i.p.	MFSK

M42b – FSK 50/500

4524 kHz, 02-11, 0631 UTC MAST wkg VBTW. Opchat in CW. Messages in FSK 50/500
4856 kHz, 04-11, 0620 UTC MAST wkg VBTW. Opchat in CW. Messages in FSK 50/500
5794 kHz, 30-11, 0811 UTC DJRG wkg OPGC. Opchat in CW
5764 kHz, 30-11, 0813 UTC DJRG wkg OPGC traffic in FSK 50BD/500Hz

F01 – FSK 200/500

8172/6791/4546 kHz, 06-11, 1940/1950/2000 UTC

Null message: 5761 00000

The reactivated F01 is still active with the following schedules at 1015, 1025, 1035 UTC:

Sunday and Saturday: no transmissions
Monday and Wednesday: 1 message
Tuesday and Thursday: 2 messages
Friday: null message

12177/10671/8024 kHz, 01-11, 1015/1025/1035 UTC

Null message: 5761 00000

12177/10671/8024 kHz, 04-11, 1015/1025/1035 UTC

20485 70955 92180 85759 31413 75707 38654 92565 41811 30524
31864 79114 15578 68231 40145 57085 47346 94564 42296 24432
03884 26950 06149 20405 27479 35118 64016 90046 48619 90000
98507 69099 87568 58540 87045 25258 57061 56469 63679 16704
22413 57308 57525 38782 93419 32297 57730 75392 27326 85941
02654 74048 43455 43987 95793 33903 11447 17285 77712 64283
85535 89970 08900 41730 93906 05391 93176 95780 11373 48229
82064 99539 55975 46258 77289 50973 39192 40156 73625 55858

24461 94828 09254 48337 73673 50676 15830 99998 63593 82309
85442 73442 61226 46159 66642 12421 34752 25262 66857 16263
76515 99312 22949 24264 45952 52147 07842 14723 40229 93491
64665 50818 87907 04515 66040 04512 68108 52376 80550 57665
59844 55648 93612 75129 51217 49057 24924 60748 63168 20976
09688 32199 67464 22110 35782 75630 03613 68812 54085 66014
24382 89461 04129 64166 24637 87351 22269 26350 33145 18509
24563 87435 72074 79098 15530 35137 13844 52485 27114 64925
90030 84414 68579 15648 32012 93074 90328 39954 48034 29150
68012 22966 63963 92847 35607 51356 99430 47517 25042 41910
79808 25580 27871 11408 71035 72439 23914 69320 90258 58147
06982 90009 84030 96519 35757 65230 50761 52720 76663 05114
06111 51219 69209 75774 23826 68239 73003 19409 34885 07192
56630 34935 64622 42071 90454 43241 12527 65732 90652 59846
04421 23357 38586 43801 71667 27302 48755 06131 37127 05627
05175 60551 12545 07749 83429 02436 37041 15671 00536 26907
11408 34208 59840 22049 07893 58655 83109 98157 60159 43341
47037 38944 63108 19487 66301 85664 37255 35831 90424 97903
73378 20432 06564 97269 98558 71186 54631 44004 29222 34985
72730 83990 67219 14405 12635 75559 75427 57983 96609 92943
85354 99882 53654 47033 55908 31975 04813 26524 22921 70236
88926 95420 30433 29840 31842 07835 48370 32378 76262 25983
10636 49364 81443 52370 98349 65444 90836 12053 37673 29787
67124 45944 67350 69037 66400 10925 52176 03223 39116 28866
28604 67715 17736 26992 28267 30615 52337 86373 86233 71738
44380 28633 57271 73193 20791 45315 58647 94052 15575 74684
97886 27865 51134 77070 93194 23546 36480 94663 16252 18088
24524 67431 20565 45252 95637 16237 75505 83585 59687 28579
89398 72470 93680 87785 35636 92129 57275 27653 59769 96018
53291 33168 92142 70075 25436 77945 77477 52121 10419 97853
77035 32899 86654 25767 88839 45985 86732 21152 49624 13641
65841 31704 31632 40912 43340 99803 49670 91360 59663 15781
71184 56193 15742 83778 89323 38339 87133 61148 63682 74903
30048 57328 58403 46440 21447 03113 32333 46478 00432 26294
60916 09734 03064 94563 94514 22462 78501 16608 28371 63358
34047 78431 00000

12177/10671/8024 kHz, 05-11, 1015/1025/1035 UTC. Two messages

85548 81488 77072 02101 26312 85208 06421 58755 39888 08422
18187 91305 47325 49409 43990 33907 74648 89539 21890 07983
59614 45797 52798 73048 49582 78880 34726 66698 45186 30313
42053 69680 69492 86979 41994 57023 67331 96554 65475 21117
64503 82239 74577 77717 41519 30261 93759 90791 01591 48550
97033 77152 37544 20060 68286 76811 27345 99148 76930 99997
12928 24459 36079 86764 42005 46746 35427 40145 77566 95085
66020 18769 45816 79073 00000

95180 95432 39447 70991 99477 87734 43228 42149 21123 48199
21491 86905 80754 68858 53616 73226 48545 27318 36302 02940
00306 10996 23501 05158 53360 40280 60984 02855 68155 20311
63972 94765 26525 76052 11270 19811 22553 50361 54341 96221
26972 69725 64764 52570 11033 07372 68504 92873 40787 98414
40435 62967 77716 86756 57561 10340 46643 08403 34357 54611
56869 40896 88682 10840 87473 73546 11700 32853 72704 78156
40227 68782 48408 84917 54976 45993 45435 93167 53107 27600
40948 71705 68530 07745 03585 28339 38409 80087 00000

12177/10671/8024 kHz, 06-11, 1015/1025/1035 UTC

68064 96926 72138 59761 65988 14064 46097 24351 30003 74913
31479 43142 14503 05914 07802 25410 99344 48710 70092 55260
24855 78931 41485 48334 44115 11379 17938 69161 78476 21335
93518 51342 87230 36675 39698 87754 87375 80457 37083 82962
84424 68700 83023 85023 00183 93015 23543 38874 08430 42795
83018 28489 14463 46637 90055 99992 39407 37692 22988 82919
95266 72631 23446 51804 61624 58909 51429 95290 99937 70015
80319 84952 66385 53404 55273 60998 09164 60786 63430 77074
61214 55469 89376 71318 64283 76441 54297 55887 85279 63877
62263 42118 10841 75757 02075 43523 31076 50288 78119 23814
48391 93811 68664 82115 72357 98888 35033 92589 86552 22251
30088 40633 98308 77295 79485 22849 07313 20823 34101 02971
53985 38703 17099 40934 33586 60145 14060 37280 86982 55281
79619 60079 04012 95727 59040 46559 00375 82825 48168 96628
54015 73247 40205 00485 11890 56651 32730 67491 03109 65073
93419 48504 19340 18747 07892 68857 48449 38038 58119 14165
72298 76171 04843 36154 64638 52461 72429 70702 50036 90699
59610 85261 09782 92424 24529 97877 45695 99724 17552 34969
37792 27293 60267 20065 56722 68402 94104 10690 16942 04491
47035 25581 81543 73054 91766 29420 54673 73522 93879 67276
22500 15812 73348 65948 28645 41246 27872 44372 95025 70518
91461 00320 24045 58400 26722 65540 43073 59873 74258 46547
77139 37374 07650 93245 60798 63836 67428 62568 25081 01232
72499 69327 20489 59271 32439 41458 61960 63985 09109 21840
06742 90844 01026 83892 01114 42121 48924 53131 56896 73177
85938 51856 43677 97367 80868 09187 07709 24240 47929 03605
53388 10724 21460 30212 48288 30002 18997 09876 37645 87731
41177 82465 79271 40332 81879 51348 34807 94996 47076 71350
78256 96143 05795 97356 07754 27966 21660 35747 71479 87795
38434 65848 43684 09947 17995 23598 11743 44739 54203 64597
60178 22384 11075 48747 62601 56417 58716 13662 17495 66380
05443 29024 88784 24414 49536 49101 37130 55474 99055 05579
52880 45849 33167 07929 26622 39658 03401 43469 18265 28031
98297 94329 10604 60653 19866 13496 58281 34354 45293 27120
68109 38438 72353 55291 71668 61443 71935 68453 76130 89012
96148 21649 04243 47559 15418 33788 59414 73430 83037 04119
76825 12240 50586 83095 46525 78067 82673 39833 19425 27205
44431 93320 32148 26146 60196 99600 11664 18499 66829 12091
45640 20511 10093 57237 29461 99894 57537 92682 25838 17648
26325 40154 97959 37537 49434 10228 02112 32961 28686 61194
50707 45846 48011 59176 81668 81405 00000

12177/10671/8024 kHz, 07-11, 1015/1025/1035 UTC. Two messages

71602 23228 41572 95803 11775 01953 60714 00276 83702 38235
69398 00256 67472 81806 37728 28562 13674 93114 80428 96198
39223 41177 39825 75993 89286 31989 21649 50394 20022 40940
50870 59362 81796 47671 39733 09302 07584 96810 85181 28961
36224 33027 37879 83249 25237 83834 09986 80889 32871 88593
13898 36870 74077 97134 49132 75608 80098 86450 79543 85780
16362 68898 68055 62746 38349 90331 61106 99508 90159 41622
39983 12150 75419 82073 00000

64087 17151 64606 07817 54730 74586 80214 64637 15853 80827
92200 16641 77148 98280 57288 45950 16783 30541 32305 05919
22594 97148 91682 27376 17063 27184 39197 96062 38240 32650
18625 24691 93814 47576 53025 68083 30521 43788 67314 54800
86056 59266 73831 33716 15716 00044 25578 58979 10913 01583
66824 61778 51784 60549 35763 82368 61073 72946 98903 60791
51452 39524 21890 09714 83508 24418 06434 17848 76549 77947
48047 57358 39430 59507 94264 93727 13593 21498 08041 21486
45496 40226 66010 74266 30626 04722 46296 83087 00000

12177/10671/8024 kHz, 08-11, 1015/1025/1035 UTC

Null message: 5761 00000

12177/10671/8024 kHz, 11-11, 1015/1025/1035 UTC

84754 68668 86055 49111 05169 15263 69287 54753 71718 94290
68765 38581 46787 67930 21724 93486 03405 19187 07420 11908
59597 92360 93234 35139 18686 63311 29724 47269 32732 25431
24260 62188 31320 02291 47987 77097 82847 22873 55760 90956
80535 20349 23763 11321 70327 40324 34486 97978 62867 69492
63756 16857 96750 20640 49506 02614 45238 34934 46967 53354
83600 87437 99977 05922 59304 06777 83090 65183 32221 44913
94169 85770 77031 57943 02163 29680 65035 83883 79736 48210
67536 28352 75462 61637 48001 94103 05243 35089 35172 15352
67659 74048 94324 82810 12938 87918 38861 70397 20211 95096
49419 99534 62774 67989 92686 01983 66011 41401 57118 67151
87686 32745 47723 84816 75288 47506 07134 19187 80110 68392
55123 75256 32756 51623 63770 43374 09760 78771 10458 32984
46008 37625 75885 31453 72647 30474 79297 48940 85170 33288
68096 35232 71361 54207 04049 79498 53798 64782 13248 28885
26586 02414 92043 86899 91021 67414 86115 77513 19873 63138
84872 85929 04950 52620 98374 11946 67673 30145 08969 96848
37314 31208 14805 09793 26600 29283 07450 04573 59368 92848
50754 82756 29960 01106 53196 24099 99038 41820 50849 70178
55523 39736 43196 72191 99320 88994 48955 38850 24547 87986
74121 45308 07927 00090 09390 89064 32051 88722 99171 03777
98187 00151 49379 66920 08337 92483 66157 62232 21198 34300
42774 82879 11765 21346 36833 86288 89214 84725 05008 36570
52779 89044 87487 95475 90307 43925 59308 47839 49176 77338
90776 72412 34258 44195 84157 94060 12630 68624 78813 78240
29704 43379 42004 53691 66468 34811 87498 74302 92539 66851
89224 56068 94691 82428 82110 50074 85567 05768 67331 37471
22252 54003 64137 57340 89393 71552 75438 03424 26570 85669
59367 50626 04574 06641 23967 97248 80313 21036 87223 33877
85016 51472 69610 74872 25419 81309 11347 13390 02630 67735
31544 85878 78364 91656 71436 56988 43220 17854 88884 60816
66695 63820 96330 59456 33637 00734 59403 04752 96793 34991
98347 14219 00178 43753 59485 97071 52906 62922 48868 91267
58230 51006 45341 97541 27415 77295 35173 21342 33177 07795
35469 58610 82359 87342 98529 86359 12536 41368 14364 43961
42216 45705 53525 16098 29368 37918 17477 53318 17915 68561
88654 91118 76917 15823 97431 53503 62114 11984 48158 51952
54515 55132 71479 15738 55729 04564 95102 14526 44725 83316
50213 59200 25699 36273 55722 91843 21745 17258 47529 00826
94014 03587 45001 21914 91051 61488 71835 11367 57988 10845
73512 01933 60299 62686 98513 77695 01782 27874 35500 28710
41472 20416 23631 71355 39174 03850 78217 45352 84280 54122
98898 23372 87591 37420 52515 84425 00000

12177/10671/8024 kHz, 12-11, 1015/1025/1035 UTC. Two messages

79298 09206 38512 63724 07228 57191 20440 84811 77229 66646
48052 40103 17472 74967 66129 17442 61873 00264 82769 20084
15555 87344 93085 53945 34833 26462 66679 33701 01460 43250
91061 68670 95785 83283 88229 14416 98535 39714 46568 01013
75885 97398 35268 73914 27528 91982 93462 08343 02413 07349
11246 83168 11850 59892 44782 25185 94667 43041 32682 59738
14104 30478 05832 28646 91123 61484 07876 61326 03856 56849
68519 10101 07822 38789 96864 85582 56660 53302 86939 53113
28023 18405 52636 76159 84334 85085 00000

64939 28644 31427 04662 82508 30426 89996 45719 28350 59954
27036 16864 08637 58320 74146 81839 45771 30974 00738 73516
08192 15490 46620 25581 12538 11156 63666 49621 52867 43803
33754 93575 36614 64344 55159 42454 31967 04422 14597 47287
56366 37641 87093 93239 60800 19792 30876 42811 89585 06524
69473 15085 20332 71889 78207 86936 13761 76213 17267 27159
28081 56708 78554 99441 77602 39287 38487 95120 40270 95003
33941 86071 00000

12177/10671/8024 kHz, 13-11, 1015/1025/1035 UTC

57667 53077 00525 74524 77283 24650 03091 97103 70083 43930
54703 25258 31526 05570 90406 18166 52302 12026 42488 12244
64377 47511 28953 57252 90249 68044 22555 55223 06371 62316
73842 69420 56671 63028 86639 95496 77108 13422 69404 12053
17194 18657 10910 52769 69437 36754 53673 67318 42624 88767
63580 63227 39887 92881 19134 45884 27504 52131 68778 98881
05343 50410 29714 71874 14919 36476 26665 68149 45976 00631
94021 49083 27548 73758 89798 97691 14427 03422 94844 08436
04975 86689 95753 95497 51231 64394 74888 36695 47233 06505
55987 95223 06503 43292 78766 86428 64622 21992 00959 81775
67858 93638 51246 67218 33751 59762 81492 98147 94605 33637
91740 18116 59850 95770 26399 33507 58162 48316 65050 61361
45325 98096 56338 92528 88744 22934 68351 37339 64559 00962
53943 45983 28292 07619 54445 20789 44968 10004 90179 62574
89649 13276 11244 18272 54308 38802 06969 22018 21996 38727
97517 46874 94226 76650 56049 09387 82524 29117 34883 94171
00069 87580 94102 90691 14372 65557 56046 59443 46932 40633
34110 69716 30797 86026 09298 76127 61970 71386 52978 26106
05612 37518 19252 15534 42950 74722 55401 34704 69863 59436
03837 71808 83053 28859 93981 66132 14759 98251 47543 28139
01934 50614 45594 68635 00847 53392 30911 04218 83019 81938
44005 31160 73450 54394 16275 84956 17069 07681 68737 27694
84341 69301 89751 30441 51977 04618 90190 42850 19674 44314
59489 67146 48828 21721 71007 78704 34163 74685 10154 60394
44200 91687 23689 42881 91514 06872 13673 68069 18719 73707
24463 17887 11103 71930 96228 75576 71867 27491 83401 11702
20903 50166 61501 12049 03034 18540 70787 89607 16671 67033
70156 47817 98820 54672 99733 87280 27371 20283 75593 73112
26600 53795 65046 05125 86853 38357 15932 58030 34313 42926
38346 83855 11793 70045 62258 93743 56529 88472 19433 61342
85858 05376 23115 14961 26753 57748 43903 10686 50147 27767
05247 03637 95971 11750 47018 59559 99864 97426 30586 73934
57465 29183 83822 90795 87253 65998 09502 38439 77858 61730
05506 24219 30775 22462 70287 55611 34429 20579 92025 79733
30534 70279 44906 58507 58659 94191 40973 21659 89965 35796
10981 64732 86038 97332 12689 84315 43756 07888 90035 67655
12126 51338 31630 78860 92033 08858 01993 08869 54845 95643
43991 81375 40786 96587 75907 31902 23048 30551 31565 02201
48550 97936 16967 17178 91311 91259 81866 36521 79336 73385
29728 98225 80998 53134 14495 96201 61810 12938 97612 59145
47559 68231 63752 22875 54719 63271 18648 13311 74086 33071
17514 87411 00000

12177/10671/8024 kHz, 14-11, 1015/1025/1035 UTC. Two messages

05153 00577 27487 02217 57951 77936 63825 45186 47047 34011
93950 28478 46259 40998 69362 37100 93199 24820 83995 37391
77836 01711 25929 79285 72573 22326 66680 86566 02257 15562
49049 39793 77570 49266 59414 81593 40243 50033 95463 99006
93514 49262 65253 62564 16285 47684 78561 26796 84399 15522
16461 21850 47502 70490 90055 90912 34881 00810 24311 53120
88767 25430 27918 96638 48513 08650 35139 31617 34072 71315
30554 57683 02249 65791 92654 88075 00000

66026 92281 37739 87311 28568 36602 84485 82230 86344 27619
81390 31606 36281 86647 93491 27987 52921 20375 99031 61577
57275 58822 47990 56676 17786 53946 23853 24236 31867 81069
19529 85219 61443 10342 63368 44450 20934 40394 56223 19631
41112 11399 05468 55228 57284 39703 66940 75915 95217 41239
30724 59237 53271 35887 11722 32219 04137 49983 30946 21575
64664 59159 98469 12225 07184 38707 33983 93796 10766 13641
85871 99803 75862 25660 34781 69188 50773 59194 92582 84912
43349 93716 32688 69288 16403 74513 12655 40739 90238 19097
89090 00000

12177/10671/8024 kHz, 15-11, 1015/1025/1035 UTC

Null message: 5761 00000

12177/10671/8024 kHz, 18-11, 1015/1025/1035 UTC

84310 28431 54597 89540 91295 92594 73475 33507 55371 16151
16795 26137 40383 59016 62628 25250 47706 64470 84389 57953
88045 36891 33226 01348 28716 96913 07617 99270 21106 37490
27367 01010 37998 29247 54180 32928 75442 48607 26002 38938
98872 27098 97326 50756 38138 45293 02638 73885 61157 19818
85190 00255 80872 56856 58304 83457 75185 70605 91373 37524
24578 90100 37761 45168 97084 02868 46784 86444 35332 08818
26963 23747 25298 82841 52725 04105 51511 69530 31765 64688
68356 58460 75222 52482 42184 13486 37890 94058 43905 54468
20620 76375 96763 14893 52134 24556 08973 23791 92408 87577
45903 85421 24831 67804 21501 55148 29316 55311 13647 34939
53561 52919 33111 36929 24641 02908 00827 88503 68113 51305
13133 77300 26840 10735 99711 59609 96694 07713 03874 80578
21362 25377 39906 79676 13395 77543 07147 79845 93737 75066
65497 83790 66891 70404 02040 25818 73910 91360 43456 52699
90416 99911 93940 31960 61826 37074 03283 11055 92964 39746
94812 75856 34268 40456 07906 81901 31752 85960 34714 56823
32941 35623 55832 97420 65933 25528 04573 09782 33811 09236
14545 65924 91556 11153 30214 75369 97686 53428 85149 95095
57776 42322 77626 26311 02061 24991 98277 71479 64315 52612
89491 50034 54189 10799 41229 96227 40176 03239 52955 87539
85432 99488 16374 77091 03600 82869 98647 28511 26841 59394
30800 76660 03276 13672 30965 62691 65987 22719 17212 16855
40809 63619 89584 87493 85057 75970 86080 39673 74422 65049
42241 71871 80180 56640 09039 24178 03927 39463 08753 76432
62020 56131 33530 59740 36922 28586 16292 29810 37610 28939
28710 75535 36268 31666 85907 61279 73434 08080 62592 26278
48787 49032 50301 89620 39770 26771 10447 34221 15231 31899
02851 68241 36270 46363 94451 87391 61486 38421 77880 86541
98799 90515 54584 94090 71043 95996 62188 27530 87520 85629
50780 93629 38697 69823 37816 81693 56230 07525 96319 23322
05517 37703 56075 17110 02947 34373 22488 41730 75052 71094
42819 05823 01741 05874 74463 08154 10795 22420 34967 06450
15829 88685 38474 18374 14892 18623 48278 03058 91902 48108
00190 96644 88103 60964 76372 00273 35719 26008 34375 43934
71014 31085 21007 74653 68932 25000 25785 42418 66498 03308

53598 82303 67185 98877 21316 16223 43424 63190 07995 22744
79441 49291 13401 48415 21620 32335 04504 59024 28569 28679
54660 54246 38083 99435 05158 94094 93183 49446 03801 10642
94439 57590 00247 03419 70728 99394 02761 41949 85658 47851
26085 23847 21812 63403 85111 61922 10010 09030 14039 98725
95792 51357 15706 71970 60277 33753 70794 79271 37618 32324
61574 15645 96217 30766 89889 82186 75908 74992 94075 89387
98272 93490 94479 90433 00000

12177/10671/8024 kHz, 19-11, 1015/1025/1035 UTC. Two messages

42995 50569 64378 61494 54230 12809 00729 43108 32229 05468
42489 69947 85024 04531 23675 57469 91830 90704 46032 80495
32205 64007 95758 75554 91493 39710 66955 76904 34720 86562
96515 09697 66129 93242 40110 88697 16557 73966 43991 96015
25823 49196 92271 36274 12328 62376 34385 92657 47048 18654
22412 32276 74109 56504 12950 34288 45131 88195 13228 39206
59526 70056 76142 42836 27953 88447 73910 83289 01086 72408
05019 94484 30918 68890 14169 24601 56765 41535 29886 42911
33163 78914 49505 83423 41849 91085 00000

32427 75326 53625 47350 68282 65162 89089 23593 81479 78085
23449 19389 56944 20144 69040 81962 33404 73038 49684 81942
96693 04400 70787 57668 70034 62919 13773 81079 12218 13038
28264 12371 59640 88870 20452 35606 73128 72055 61103 92478
75474 23219 61623 56400 90646 21738 91631 14110 20584 93494
36471 46995 20533 31306 18106 29299 58858 37711 27826 85418
72260 44817 44212 73463 52340 90881 34787 87279 24452 58314
64802 94110 04778 02799 61585 50099 46557 28218 07892 60798
11427 87054 62702 78900 26781 10983 32895 56350 15111 01314
44236 93046 06262 33992 85122 92095 00000

12177/10671/8024 kHz, 20-11, 1015/1025/1035 UTC

24563 86026 87204 65556 60362 78371 56984 61266 05689 02461
82587 04421 43925 39833 69829 89693 51436 62325 02965 38721
13236 54159 73879 39818 90313 92331 02790 45216 74561 64993
48881 18004 92236 32502 34325 45963 41892 60836 30110 64487
77718 82069 77134 55772 74241 61566 40980 16458 33291 76625
23824 10920 19205 36213 81913 52393 33187 96518 22038 79110
62762 51982 75457 17652 67272 06505 72695 50686 85334 54525
67653 31300 75222 26641 84484 11087 24084 79468 85650 74203
86952 34437 84609 94562 41475 95183 51575 58363 69301 98256
85774 19136 00075 76808 52648 77499 78952 41958 09432 02809
43607 11525 67551 38888 21624 40802 65272 61027 84261 35081
49044 76445 17489 48591 86968 85389 96244 99562 62833 45069
72862 56076 24162 03610 15586 72418 82687 96216 58126 80598
90714 20727 46190 66734 41803 34749 91911 86991 69192 41567
72145 02755 40427 57009 31527 39730 71610 74452 76276 00657
09720 70163 69639 86323 56427 16163 64949 04573 31871 92786
37202 71973 01785 18150 99124 37868 16471 36694 12636 85461
35001 33993 31667 89657 33126 70032 37259 36307 18310 48115
50892 32584 00326 61614 36964 63157 90859 85737 30378 71842
30557 06502 50153 73444 66947 04098 85017 25449 31679 32844
61910 14276 90517 64905 33323 35766 64531 89966 44437 74589
45901 88055 65978 12278 56807 17699 03731 18547 24808 86589
20650 05613 73168 96969 32513 50184 49568 82903 63035 12815
41614 81636 69408 09311 52626 06214 74170 13871 36095 11574
64378 98657 12283 71263 43985 39479 15384 07010 50395 42274
44687 38286 71104 70078 18189 44110 21379 75178 52076 54214
68908 66116 14527 11816 16369 64255 27271 75144 77832 29575
13334 49930 09960 60403 14416 70042 83922 96746 26335 68449
08978 81935 25973 05709 43643 62250 88164 48154 55411 29226

15964 12989 14929 34316 32728 22445 35592 30610 09458 34232
94488 21295 25823 40424 95623 19531 88321 52004 61364 49446
54005 11235 63058 42938 33205 99048 26730 11951 69704 29648
74832 00938 21785 49496 89951 49187 92592 82895 11441 17691
83258 91326 00888 60258 67205 38756 37372 43557 09087 80078
28447 45761 76799 14896 47781 88502 19983 73813 35393 81812
13479 29447 21426 86737 89155 49322 59394 25319 04559 32852
79840 92622 21805 99589 00337 50505 95180 20940 52772 07813
90859 12505 13870 16685 87185 29272 49854 39661 28971 30819
11220 67282 34222 08722 38539 90859 76756 93361 65237 60110
93123 82311 28279 80344 87291 57496 22705 28889 31517 83300
60952 95439 86848 02835 22894 76022 91694 74518 07545 75259
91894 16197 22364 96620 10732 48953 71082 25354 82328 57822
26022 33774 96850 11586 95805 63608 30975 08831 24427 65075
62040 42476 82602 97391 89328 99932 37342 93437 00000

12177/10671/8024 kHz, 21-11, 1015/1025/1035 UTC. Two messages

51122 17753 83939 57014 43002 50426 72192 15189 80825 86312
45511 51513 12563 02925 54815 12360 03951 73255 61625 63116
45858 46360 59733 90298 33631 87808 96193 00250 29339 34678
65069 81613 42872 44796 72362 23759 92824 44900 95583 08349
33100 07415 86379 16249 56178 10526 89666 16943 08974 61251
77710 32670 82239 86176 22578 94442 59432 19562 55408 32155
36000 43497 85941 65960 45004 59793 80730 91101 50038 98304
23488 73389 91361 91356 06002 97510 96195 68984 23046 35360
89121 54650 69739 26572 63506 66141 64782 88454 99905 51332
48010 97500 42378 13495 25697 09667 68641 05847 62057 11620
15023 00031 40366 20113 42119 58196 42160 71703 52133 63396
17930 69990 93793 87962 47758 82553 15818 04554 15339 04794
54842 69582 43811 32844 68772 33673 66844 12770 51466 58873
33420 58201 89717 47283 69740 53634 48448 10801 46697 85542
95074 36670 26357 68527 98956 94145 00000

38966 03206 78024 39769 09536 02468 07091 52309 25362 32681
40803 70320 43806 72614 07837 86367 48669 21129 76790 89915
94569 62823 03160 95908 18611 70105 58427 84001 05269 71371
89724 90614 15430 39990 83500 95035 00000

12177/10671/8024 kHz, 22-11, 1015/1025/1035 UTC

Null message: 5761 00000

12177/10671/8024 kHz, 25-11, 1015/1025/1035 UTC

One message. Signal too poor for proper decoding.

12177/10671/8024 kHz, 26-11, 1015/1025/1035 UTC. Two messages.

84511 23636 81567 53906 09591 85915 21834 21754 92256 70585
72865 70299 76820 77096 96440 06066 59056 75116 69876 35526
45815 46343 13848 97982 88177 93999 58602 90342 74069 49685
96973 25972 91294 32280 97659 94822 96915 38591 77191 17017
53913 70420 54022 07071 21079 27747 33196 90955 07056 22707
95008 43178 24485 94072 86118 36064 05186 26891 36530 18439
62307 07001 50896 65891 10391 65091 47577 69806 79279 90000
43887 57350 82812 15942 10969 59607 28245 13344 46740 70046
77324 37989 40338 60501 94964 18140 26509 46870 46461 97089
00000

72340 06663 13706 12535 81983 17015 12375 21573 11408 14121
91870 09109 00442 21415 65829 00614 37932 65631 55394 14197
51316 43399 15954 62992 62300 18404 16692 21710 63345 22554
40171 93272 94637 59587 94116 36502 26235 34556 52600 40769
75079 57632 68798 58554 11557 95661 26525 31857 35296 69913

22725 73395 24897 23455 98099 88519 91265 06596 58082 48791
89255 53834 51312 53158 67296 50748 97838 37667 59695 14258
84195 19645 51304 34714 67580 87292 69238 53234 56285 70627
81330 72729 58598 54707 06015 26066 17337 21083 63319 49787
72224 98091 00000

12177/10671/8024 kHz, 27-11, 1015/1025/1035 UTC

76875 06678 25624 07071 58063 07725 34047 03318 00880 84298
02310 36347 48324 51654 83030 25956 57948 65404 68498 79766
73705 49488 74292 30040 03751 53934 71816 15115 21387 28338
99447 53909 31343 22000 06993 86934 68570 46668 13127 82244
21750 62808 80505 29764 98687 75352 38253 72437 75801 49851
06481 47629 98864 84979 02566 37211 27220 02326 33840 49788
38629 39402 06396 83480 36957 56819 04699 42720 29875 95549
21682 07476 68774 45237 44017 78370 68070 09475 22252 46106
46088 78985 80495 58643 54721 48664 45343 84577 90046 39395
98725 96138 01080 10592 84374 20261 38869 74405 22586 31152
13106 47521 12972 82808 48436 01495 29892 04910 57680 97562
40241 10522 74118 16857 98294 89065 10062 21976 97289 82967
33867 10833 82429 71441 82602 48729 55004 09844 52548 89590
22313 98019 34706 22297 73069 76102 87529 03053 82991 71185
64037 59721 80244 43310 35515 79078 25442 04217 78985 12911
85884 07270 20634 63893 08719 32031 52377 37201 22716 11885
63771 68767 23349 78174 56431 66154 20858 19278 33160 22945
55989 78063 78975 92617 13100 36158 76212 32825 85313 58478
20904 56025 71416 96438 32609 47392 09171 73305 74891 35955
74752 00102 28630 29894 02979 95528 85348 51932 08035 08319
52748 35770 09371 65473 89640 69482 92455 94815 12459 96835
59099 95294 40541 12442 46990 53489 72368 11708 23181 29725
09948 81504 81169 62276 73529 42488 96294 63060 73839 79032
19109 03273 34026 17687 11434 12408 78492 40109 54777 39093
30814 41409 85798 47175 87934 69842 38520 45497 62800 08782
97950 74812 12662 86920 94837 00252 95183 27631 96206 82806
19597 73419 71402 28247 85038 46417 38290 36920 23300 30850
19337 02867 88158 88408 62227 35687 58431 42472 04735 03605
47106 92115 88498 21154 33460 41842 51436 29933 60623 57968
53434 45868 65624 87619 15048 71413 34141 01247 73862 96126
97148 44625 88222 34072 11654 11260 43012 71464 92694 71140
37174 23014 88798 16778 57655 20396 18082 12466 69459 81288
07189 57706 76509 32410 00242 00724 32995 85006 30004 63022
09888 86208 68433 60913 46334 94710 98820 34951 40590 54202
76698 23218 60192 62990 71702 39394 76060 63251 07581 41554
50213 98348 42534 02613 31779 11657 57079 18382 41000 85321
41609 14153 45913 42405 00862 35757 61385 60842 17462 36031
25215 72656 41729 92635 30954 46860 99956 18158 22171 79490
38321 48429 77817 39208 44626 20020 43399 41898 15078 72809
87637 52718 58250 38612 89299 39021 53457 01762 83899 22593
05699 42614 24949 04648 64386 99891 39437 62014 98012 12821
82252 37951 41979 28980 19202 99415 00000

12177/10671/8024 kHz, 28-11, 1015/1025/1035 UTC. Two messages.

13518 88150 91056 33443 05277 92106 30304 95272 83708 37227
53444 62242 92757 42825 29971 21434 40949 92123 53996 08429
06264 50386 03673 48146 59077 73385 52271 53985 76615 73385
66856 64951 47335 34839 55495 25459 88694 96966 48942 37500
26737 45431 27732 39857 10930 80274 30623 94066 62690 52312
05320 81794 81046 85172 87424 43331 53860 25172 18546 11892
48054 86201 39505 23396 77285 81827 19580 06429 70490 61787
07716 82063 89749 95058 16653 28236 70910 66707 75899 88356
85393 80690 14486 28848 46635 85798 59449 75295 09587 66935
60970 81899 36735 68916 80111 13917 29042 01097 00000

08117 24457 65933 83468 03163 93114 82131 57799 85585 79266
84164 29704 80639 66488 51409 78550 72655 88806 90891 98919
06765 08087 67970 72757 43461 55580 57821 45545 33178 73567
97407 04909 03076 18038 42628 85100 73219 08341 60325 45803
44345 34751 09852 98686 24390 59874 93862 80157 85978 74845
83048 93730 72062 96244 44467 70479 91879 14678 28187 20975
74443 30948 91914 77182 71735 40769 68297 47721 28786 53949
04590 34955 62850 58982 29372 87322 18844 68990 26004 85374
93235 09950 17509 84925 43591 37142 92567 65779 25940 90758
27315 02091 00000

12177/10671/8024 kHz, 29-11, 1015/1025/1035 UTC

Null message: 5761 00000

Link 00016 via Cuba

20741/18702 kHz, 01-11, 2230//2240 UTC

Russian diplo/intel. Too weak to copy

20741/18702 kHz, 08-11, 2230//2240 UTC

11177 00116 85274 07051 01629
08656 22945 98865 58205 65321 36702 16198 69525 54880 97640
28300 75574 55309 63091 34106 07428 78985 54985 18441 40066
30086 15559 74306 22546 49179 99099 05334 09047 62221 85657
38116 39238 76131 27669 99074 41399 88132 65433 35575 56726
01058 72366 85962 08272 61795 15984 28217 62955 65062 45537
61900 60066 89707 42257 03097 04718 59715 93123 97034 49678
47100 74112 78059 14015 58893 53850 31666 11995 75393 53621
38267 90677 31868 24651 03387 99632 60914 28622 03969 41231
37636 32345 05484 74931 94851 52526 29528 74015 00507 11574
76590 58195 14473 90373 33695 50547 66941 88976 21579 32187
25578 31135 61126 93144 43637 73620 63711 02868 06218 06267
75165 48786 16860 53677 28039 16390 91649 14519 81858 09235
53036 99360 56049 32340 40549 52984 85233 87398 80584 72098
51565 53233 82473 54409 73820 49955 53002 39966 57894 10249
46572 30743 38427 06215 93201 99365 66222 05229 71542 22948
21160 53234 19099 02955 55272 08917 96849 57048 95699 77192
51160 00000

20741/18702 kHz, 15-11, 2230//2240 UTC

11177 00116 15489 14052 02859
19595 37770 95841 93293 96613 21469 51799 82566 01252 90216
94315 44005 27624 92488 30287 09718 99433 37599 35270 77388
79588 87521 31310 93155 53346 16375 03145 26386 70936 72831
01226 78533 60599 61276 04994 93261 47946 37933 44846 60026
42639 32454 06228 28305 78272 18841 64301 74655 16422 73880
22604 89795 50781 41616 54160 77885 72350 02996 68468 85213
81582 80379 52799 00455 58450 31606 61253 93702 26349 13286
50012 86460 70799 18032 82211 69775 98860 15297 50886 12699
50209 50509 93414 28279 95815 82205 95911 89246 85152 61833
10993 10606 27883 _____ 32153
57006 60942 71875 72259 75174 81656 33289 11032 39961 22225
29384 08065 59378 47893 87241 78033 78156 14113 18172 22784
06977 56498 86269 67834 73692 90656 26272 45444 07450 76554
84181 91461 91662 27132 79075 48123 46768 65844 09546 90001
28710 62807 53202 15283 54073 04254 32685 69562 87830 74969
46613 94352 54606 58416 88917 17481 59430 84200 04984 27571
28887 77613 58053 99790 08627 90894 04316 65065 78145 20925
00130 39925 68806 43037 89807 59192 96000 15622 47408 78684

41427 35225 70969 40123 46389 46820 52616 15444 02076 38943
72991 72677 47746 78377 93435 30614 12769 64082 44361 94409
63436 05040 33252 89353 40511 51720 20732 34949 98428 35844
38139 26530 82098 98137 45036 16578 02235 08760 50105 12929
95170 10097 43855 36074 78076 36597 16586 02718 35522 91361
60039 27797 98329 84144 76184 62152 00649 60475 41567 08018
26190 76577 00664 79541 79557 99778 86672 00510 43614 39097
93189 56459 08822 35686 45202 43385 85491 67836 42824 80201
34882 50210 76239 77176 80079 32006 35263 77497 82604 23734
_____ 30083 09033 77799 89026
93563 40503 32737 52283 00000

20741/18702 kHz, 22-11, 2230//2240 UTC

11177 00116 74196 22053 01159
41909 88584 37138 09799 32437 12202 17517 41711 17040 85166
21964 80810 22975 64637 97491 70608 53941 54155 49838 52227
03463 63344 39725 89024 76571 33385 10876 35080 41135 93415
08356 59907 63761 50650 81226 91042 74032 80370 03492 74252
44386 08922 31834 22451 75716 98133 37986 70484 81685 21996
06499 08931 48967 73712 21509 04013 74113 03217 56542 21724
16578 59273 64797 22163 02156 50034 66025 89506 08378 21058
55073 82307 77691 19089 88037 06921 77976 27158 84565 68488
38752 45057 32721 34941 95741 22162 02297 43561 40312 77981
07601 02519 71312 06874 92445 91289 60640 94546 63995 21309
91345 85733 89553 86033 61870 51103 00454 24999 49816 39334
61561 72292 81247 53113 00000

F06 – FSK 200/1000

Link 00000

12208/10191 kHz, 0800/0810 UTC

11100 00000 67915 08010 02279
16185 66570 61899 47987 12647 67257 22754 66970 19314 50257
40669 44088 07358 26485 20500 29955 36566 03446 17613 65640
08460 44575 03363 53785 40600 34542 60344 78632 85535 67693
93376 04685 42800 01835 67143 08651 37426 44524 06429 24393
63393 64082 19892 05534 15464 42485 33314 35444 57821 12350
43251 39266 02975 45185 27042 77686 99350 83095 70092 27129
51011 31137 96389 76059 17945 52502 13174 92097 70351 33720
05706 39612 95380 12070 43072 52491 79737 82385 80965 91780
16614 25446 72366 42870 10368 25125 22079 31913 77397 66513
46058 66183 66642 32173 21441 28036 48150 38728 38259 77170
43151 80975 88736 40886 94070 75702 55120 97006 97918 22397
81997 79177 51505 23042 44007 59202 81895 28181 44907 86128
60569 01434 08931 86751 24701 19664 50354 57233 54009 50976
32233 00529 76612 77732 50235 89287 02322 56773 02508 58943
06814 34038 31514 60659 15121 55763 48786 28829 57879 43453
78522 42812 98756 24807 80966 87598 56523 37788 41516 43083
70178 50028 36488 56642 80587 60747 11480 78700 27057 77390
33269 65972 82287 84142 01183 82062 74148 44542 28881 50124
67699 05353 32482 37254 05911 93897 85978 75305 32506 26036
29875 47828 45375 66972 43981 97792 53990 12088 20309 35822
39259 79973 97001 53580 39270 34858 39234 72037 09336 80628
78027 79279 29802 93604 42906 37557 60048 86280 49346 64264
62111 19209 26942 16524 99230 10225 00000

Link 00052

20288/18404/16266 kHz, 13-11/14-11, 0900/0910/0920 UTC

11166 00052 24839 13048 01529
77557 23619 95971 01990 48395 62213 66357 17823 36120 17393
51018 19619 06140 87014 11194 48321 26170 56762 42956 97542
00790 54753 68996 66263 27516 56636 82859 73745 35347 45860
69054 53836 25043 58811 47481 70857 17309 69502 15613 24263
44832 93492 86869 34248 49101 15741 48619 25515 67949 72067
88241 51357 24758 38922 60709 25272 55253 11132 96092 52280
32849 72332 70455 77133 78447 87759 88565 91609 65663 74090
51855 68076 57386 26027 10074 11514 34636 04300 20073 47172
03631 14789 60158 86077 92026 33446 73436 35541 70248 56700
38614 46888 58854 82044 91671 17570 07876 48487 46852 89867
59071 91541 90403 13365 27017 92474 45518 63364 59995 26459
31893 32470 66598 39357 68360 37483 18992 07795 92027 08826
68778 62224 92345 54674 36398 77671 83568 16977 59996 61832
64025 61568 14707 95233 35641 69537 38280 03126 82157 22065
23997 63798 29475 95899 66802 83016 36567 11665 73608 89251
48150 00000

20288/18404/16266 kHz, 27-11/28-11, 0900/0910/0920 UTC

11166 00052 91735 27049 00909
14450 26136 52876 22078 25177 84821 76414 40426 47559 76203
11302 97356 61089 81256 52547 13411 39745 20525 15775 98141
00664 40793 13029 15681 91205 67411 40318 20217 68468 92260
75983 60508 27466 13193 56563 66835 87091 62093 48382 57992
38448 35381 78374 74665 75709 45640 79528 15905 14048 17056
60707 77270 52740 38625 20761 61827 69870 55440 82064 10296
40083 77246 80240 99587 98505 64698 82534 81409 70719 77764
76805 03838 39689 17402 03068 74366 66849 75529 89474 46140
35883 63643 61144 26834 41012 01864 56097 18674 49088 00000

Link 10031

20349/18573/16245 kHz, 13-11, 1015/1025/1035 UTC

11166 10031 14789 13001 00049 00000 00000 00000 00000

Link 10053

10644/8159/7438 kHz, 03-11, 1530/1540/1550 UTC

11166 10053 68457 03001 00049 00000 00000 00000 00000

10644/8159/7438 kHz, 10-11, 1530/1540/1550 UTC

11166 10053 79462 10001 00049 00000 00000 00000 00000

10644/8159/7438 kHz, 17-11, 1530/1540/1550 UTC

11166 10053 36987 17001 00049 00000 00000 00000 00000

10644/8159/7438 kHz, 24-11, 1530/1540/1550 UTC

11166 10053 17935 24001 00049 00000 00000 00000 00000

10536/8174/7318 kHz, 05-11, 1650/1700/1710 UTC

11166 10053 36987 05001 00049 00000 00000 00000 00000

10536/8174/7318 kHz, 12-11, 1650/1700/1710 UTC

11166 10053 34627 12071 00049 00000 00000 00000 00000

8174/7318 kHz, 19-11, 1700/1710 UTC

11166 10053 14785 19001 00049 00000 00000 00000 00000

10536/8174/7318 kHz, 26-11, 1650/1700/1710 UTC

11155 10053 63491 26001 00049 00000 00000 00000 00000

Link 40122

20082/18207/16141 kHz, 06-11/07-11, 0600/0610/0620 UTC

11166 40122 16935 02058 03699
11099 59825 61190 32369 13595 89077 51766 09078 27521 66764
61228 65337 72587 06150 04499 93790 77215 50396 77644 51022
80563 51420 95888 66346 70189 26966 22728 06153 97545 06839
44857 67260 38500 04234 72572 97711 91057 73108 70359 68447
27473 37520 47341 44296 42959 03872 62276 27719 68151 92016
22797 73741 37536 46134 83569 99521 31018 11340 73072 36981
30830 86946 03673 01935 60949 92332 44692 78170 01230 06335
63147 39904 93427 66123 61852 61048 81303 36480 69575 84741
52004 85427 62934 51560 70888 27146 24711 09867 27009 18105
68287 56720 31422 17363 82877 82793 35512 46961 79247 19729
61531 13352 40616 13377 62531 75803 08412 71344 53869 72709
57584 58305 83497 41749 41159 37495 33198 94833 08706 81840
67965 33774 28431 03151 75725 17606 67566 72812 64569 17521
10747 32434 09695 20321 21064 17858 67242 66354 73481 44995
97215 32862 15306 30916 62668 98664 33388 48623 97351 51139
32759 38968 58999 21420 56372 28116 10457 58759 00648 24031
95815 79977 06513 90394 03764 54962 30601 21402 35332 14131
26338 65876 18215 88800 89552 74143 34865 20419 48348 66084
56550 99563 01888 43832 00541 20680 37790 97521 52645 63464
82841 77550 22254 36857 66677 31782 22096 46563 03153 31124
89884 72049 19067 31924 94051 63950 84951 48620 90750 97820
27581 35082 24307 45176 28920 98082 88327 47752 41181 91336
89631 05930 72681 63533 82204 17249 24190 58830 63359 25968
80452 93205 49294 69590 86569 55138 72225 33298 63942 04041
66298 48240 45438 64880 34448 94602 34499 42430 13413 95398
17849 03591 79069 11923 86510 01207 59295 76804 44809 37836
46537 25589 12049 92886 27271 12797 46557 61581 70544 23395
46775 79163 42794 15611 09086 28807 41112 56034 47079 56646
62161 32941 01913 42377 48925 58776 98487 98858 82471 97739
27106 99156 10924 79396 55304 54472 32835 84272 99555 91376
77132 12354 11514 01807 46838 70428 58503 64252 18748 39226
02928 59567 16250 06268 10305 29853 97478 75384 40583 53839
25987 88829 02465 37215 16126 22925 75391 41328 70320 43187
28902 98711 50423 29850 94036 88854 50342 09751 66478 72669
62120 55492 46124 09092 52669 37826 42768 02236 93319 42203
02580 52564 09410 85414 35083 10495 42063 93273 45296 55885
39373 25268 00747 51836 19166 57120 88031 58367 00000

20082/18207/16141 kHz, 13-11/14-11, 0600/0610/0620 UTC

11166 40122 56321 09059 03009
98863 06797 69709 32964 79918 29247 79469 27413 70926 30764
82617 36884 66537 48044 54897 76402 98393 96893 38303 45764
89568 88165 39514 15443 52852 62931 24513 93451 93820 51584
32838 90356 04628 86553 59906 24612 59459 23313 80826 35424
47585 49393 14174 95317 04940 86050 49121 39596 30186 12314
84406 54887 96181 66079 52539 93953 92793 01934 27710 08966
62003 10418 40817 20416 11226 28393 50072 63865 15798 95214
40600 81708 46559 34387 51483 52148 83466 65401 53688 72565
01187 75432 27300 39465 37594 05587 11524 92198 81119 31391
25863 12640 37882 42206 85937 98003 64544 49248 62365 49002
77828 76922 56140 40519 76626 17132 88968 66981 37652 51272
31963 79643 70561 69585 21171 57935 43481 42564 33349 82091

14888 24096 20425 99236 32774 91029 26099 00108 87033 48862
33002 48616 26006 58218 13862 31425 73125 61822 85111 19738
04595 16648 86375 60475 74041 60924 34269 39043 95080 70702
23960 80855 17719 85650 76911 83833 59557 08782 58260 99032
77703 09792 12264 01609 92351 86697 89239 19306 97958 65469
62460 10648 22953 42326 58417 10021 23920 98410 48906 81849
25192 41501 78364 51027 39796 54470 24899 01819 32672 55165
18446 62391 12128 97403 64494 17197 60446 67769 46813 14356
39591 57893 07623 60256 32950 16919 28642 18551 09050 13819
61456 55727 18180 64274 80631 00457 57864 01783 58028 08891
68122 97697 81740 53112 42443 59881 68098 74910 65433 64651
40183 72078 13048 01730 71270 09421 76369 36849 16668 71647
94849 21738 82357 00362 09968 06150 03895 82303 75232 31629
34003 81064 83473 11709 62292 29435 97348 28216 15546 24590
94019 98378 12013 93293 59920 92424 68137 19310 96559 06353
81172 50208 23300 19567 36108 25749 88044 92064 10348 95043
21772 80862 74586 14665 97853 80341 13311 44911 82104 16216
13366 86388 84474 47795 94028 24130 48359 58237 59298 00000

11166 40122 52147 09060 03039

38429 37477 19899 30441 12943 87517 61270 12201 91460 04772
51248 82462 53914 19148 65607 26331 31956 94549 27070 48405
78534 20499 82152 50774 26629 49559 07019 56031 73078 60240
40777 67505 48451 50084 69650 83866 58883 88615 10470 10339
10828 84835 66916 33660 54655 48964 56956 53013 08031 53099
34906 84095 45026 20496 56561 78523 61877 98140 60835 25753
55355 92317 66330 29711 74659 71847 06294 77319 32788 68697
50393 41099 88321 30631 86734 83047 33553 05601 62585 51974
49896 62571 07215 91471 16527 78451 85310 00730 83176 45822
54391 15363 43030 81164 24663 00446 66651 38252 44759 72944
82887 56414 61788 95727 17681 98347 29147 10350 26729 57161
60508 00790 82929 37358 53458 05336 04549 39421 31181 18796
35045 02700 75661 52241 10504 86292 50821 42440 75586 92596
39036 28200 33974 63228 39470 35785 44205 01987 01661 40602
96865 04561 92804 97348 34073 99663 22159 55801 97164 31273
71016 04439 13566 36680 01621 81958 58874 03834 14923 09931
44647 56133 63008 47441 54332 09815 28656 14598 51318 28795
04009 02682 97590 11646 88957 21996 85663 80734 83985 66038
86152 67474 87671 16926 97567 39773 61063 10240 02210 93940
58432 47699 90277 61621 02123 37366 68515 67546 04491 39268
10062 63147 12163 36635 62312 88331 62102 65168 80926 96966
42214 66999 76341 74866 35476 57279 88390 88334 41826 01560
27895 21550 62292 80388 21332 07356 43108 26791 17943 10231
40780 38821 33207 35643 10826 79117 94310 23140 77645 57051
89003 50926 34171 57650 31755 13000 33678 38674 43284 47504
14609 05982 96111 08227 76834 88590 58644 28779 21298 30642
23733 09138 01472 42446 32644 79238 60071 77789 30372 19303
49459 29714 13243 41602 59179 61923 54736 63319 99053 18035
20474 25224 11286 75844 08296 35831 10008 38800 74379 45735
71703 81868 31331 81809 24945 93987 29185 95950 12892 77019
71406 60301 00000

18207/16141 kHz, 28-11, 0610/0620 UTC

11166 40122 94853 23061 04739
68492 72259 30056 82046 22975 87189 04711 92344 44644 71740
34933 13124 58501 98927 00919 95923 50045 10292 55555 06139
26014 13326 80328 46283 49435 50488 99128 68796 22434 06987
85916 58100 15229 49514 27161 86566 64759 13135 25017 74111
91378 78499 52143 06082 07052 06579 94133 89134 13494 23109
40477 49787 13685 69921 09990 05340 85206 65372 21658 61837
88829 41020 46833 18779 10792 46778 03704 85245 62204 41699

79995 37152 84030 12601 94831 70283 31060 87707 35690 28837
33330 37495 31392 14127 58425 79935 47070 03159 23090 32324
12044 31755 27600 76869 16536 21915 11320 32251 38187 58101
52895 48308 84283 42147 63505 66073 60644 81449 46625 10318
03115 90166 22726 06808 32585 08081 42353 41450 19490 66828
36024 03527 68709 58177 74377 80195 60830 84049 37017 94445
10678 92963 13480 03702 29079 32590 84772 01257 98786 73111
58913 87728 00497 81070 58916 04717 49904 48386 86647 47861
31726 06247 11007 01481 41645 78541 53857 61973 72088 54536
72148 42189 02803 85473 59668 73933 82142 34787 16861 50807
10028 36616 62149 78569 58489 42306 83195 25204 90758 59589
51549 87878 64823 14128 49100 18994 32400 88099 79795 78488
69243 15540 65041 04619 97753 39086 46234 20367 87799 57857
42866 17689 46699 21120 39621 86784 34305 47447 00924 82563
64120 74053 36363 45523 76386 65995 65429 19189 94086 39917
55013 31341 97789 82038 28085 31186 80284 65069 67013 99679
66935 93732 59942 75182 12695 33594 63680 61627 11722 02877
81521 11403 80523 31950 79455 00128 00582 20187 89182 35503
31381 44868 71392 67442 29786 01823 37734 91652 36711 82501
54902 63862 16998 17155 79308 66878 63472 38820 95740 97666
01079 47791 58474 66641 52066 81265 58256 26338 48140 17854
63606 71681 00520 71643 09879 79015 63853 55496 34502 76095
54910 18275 81862 60215 12000 85680 26244 06680 06049 59394
86278 34784 39277 54201 29327 23511 92408 77798 89256 94112
06354 82956 46015 01785 09305 46743 40477 03599 25175 56473
22966 94902 24325 07095 58916 31355 02514 39679 40094 78803
99007 75723 74831 58170 89781 26928 55689 77555 16772 85159
28010 68723 39078 22272 07783 70186 17098 54482 22260 24041
65495 50983 71768 78773 35957 91477 36149 15208 15677 02332
74263 37779 52491 26029 90001 98332 42620 03606 63231 44632
41940 74771 69135 10754 86729 25385 34346 91570 34825 36987
03359 68502 63123 18066 13610 78723 82374 21753 02710 45014
55187 79631 96220 08447 28208 06343 49451 31088 14381 54681
41689 60910 86261 25871 46309 76098 66289 64698 25205 50935
24973 94195 20967 10458 22930 69574 45257 66076 57703 56064
86808 49325 01307 60385 87496 85960 39425 70510 59908 77566
48216 83414 44857 82872 69646 25507 32275 15967 71298 95421
93921 03590 01593 83861 01344 68695 76346 50174 27536 32471
57635 60364 55718 52006 10858 16211 43684 35787 50975 30189
17160 04211 13840 25876 90595 87312 13565 68538 38837 76880
71863 61471 00000

Link 40133

20937/18644/16251 kHz, 02-11, 1500/1510/1520 UTC

11166 40133 48975 02001 00049 00000 00000 00000 00000

20937/18644/16251 kHz, 09-11, 1500/1510/1520 UTC

11166 40133 79513 09012 00049 00000 00000 00000 00000

20937/18644/16251 kHz, 16-11, 1500/1510/1520 UTC

11166 40133 14279 16038 00049 00000 00000 00000 00000

20937/18644/16251 kHz, 23-11, 1500/1510/1520 UTC

11166 40133 14587 23001 00049 00000 00000 00000 00000

20937/18644/16251 kHz, 30-11, 1500/1510/1520 UTC

11166 40133 78451 30001 00049 00000 00000 00000 00000

Link 60070

9337/6920/5445 kHz, 12-11, 0030/0040/0050 UTC

11166 60070 58274 12001 00049 00000 00000 00000 00000

9337/6920/5445 kHz, 19-11, 0030/0040/0050 UTC

11166 60070 19673 19001 00049 00000 00000 00000 00000

9337/6920/5445 kHz, 26-11, 0030/0040/0050 UTC

11166 60070 36987 26001 00049 00000 00000 00000 00000

Link 70048

10170/8057/6846 kHz, 07-11, 0800/0810/0820 UTC

11166 70048 12397 07001 00049 00000 00000 00000 00000

10170/8057/6846 kHz, 14-11, 0800/0810/0820 UTC

11166 70048 14279 14016 00049 00000 00000 00000 00000

10170/8057/6846 kHz, 21-11, 0800/0810/0820 UTC

11166 70048 14789 21001 00049 00000 00000 00000 00000

10170/8057/6846 kHz, 28-11, 0800/0810/0820 UTC

11166 70048 14279 28016 00049 00000 00000 00000 00000

Link 70059

8174/7316/5929 kHz, 18-11, 0500/0510/0520 UTC

11166 70059 36987 18001 00049 00000 00000 00000 00000

Link 70202

14354/12177/10156 kHz, 01-11, 0700/0710/0720 UTC

11166 70202 56983 01053 00049 00000 00000 00000 00000

14354/12177/10156 kHz, 04-11, 0700/0710/0720 UTC

14369/12186/10231 kHz, 04-11, 1200/1210/1220 UTC

11166 70202 65413 01033 02539

95924 83287 20535 16079 01089 91441 38874 25216 81946 11344
15189 84460 34784 99894 86300 14508 21053 29263 12634 90415
55664 47133 73213 85299 69219 06582 08791 54755 73846 14023
55315 72931 87338 68652 34914 56209 95282 91837 96588 35409
55863 69886 23800 62477 77026 58625 51136 62578 20704 23244
57252 67535 13761 11822 26264 91557 70383 85982 94789 35189
55571 57124 26819 28418 44431 01643 83608 48880 56965 53603
80775 76108 73029 98291 49793 67738 57152 15074 46066 68641
47916 43018 70775 88889 91562 67707 98675 11519 24533 52672
29048 16007 34620 63904 01972 28413 55420 60858 47125 34119
73770 52409 57291 14097 54868 41177 03752 90661 14749 04677
35776 93621 94815 86717 31365 82785 18109 97491 91462 87747
31997 45798 94806 50906 66989 51831 55614 84625 66340 13964
51282 78514 66145 27989 12305 17724 30617 82221 91573 98227
72216 76935 55263 50008 11342 41536 62496 04094 55252 47940
25950 64374 00918 43572 70617 70148 91483 52436 32899 60324
81035 17686 67209 75218 87349 84138 52300 56897 37324 44167
14465 33977 34768 95409 09838 01851 05246 83732 32956 34247
97658 29881 43776 87087 47249 63265 30346 80557 29722 11312
49293 70339 61163 17812 11350 43946 23454 88717 04070 03090
19848 88817 68948 18017 90426 37726 75122 64762 42092 78625
56841 81242 72807 18203 06892 03143 94759 61214 43168 65519

86135 88114 90576 81065 26196 49193 45459 30974 93343 73646
14722 29336 30864 17040 46856 47014 10031 95570 97051 05918
45255 80598 93565 79636 40987 51860 97559 61355 75028 32817
73573 33251 00000

14354/12177/10156 kHz, 05-11, 0700/0710/0720 UTC. Two messages

14369/12186/10231 kHz, 05-11, 1200/1210/1220 UTC. Two messages

11166 70202 15489 01034 02739
74518 71980 59702 75884 47213 93777 90271 86555 39217 94595
36153 13873 10181 45421 90922 93954 56885 86091 08430 44355
83669 96186 51002 73866 95222 77738 96747 87743 66424 23195
73113 24268 68930 67071 08904 83598 59173 44736 21950 34846
57488 06759 84605 12307 73027 62262 34261 36794 54175 49719
21067 23009 69127 58625 10054 58873 46343 50489 79833 67784
29543 52575 85063 89711 26943 22841 74878 42076 59421 09497
84458 46361 37293 53645 41932 31373 20387 08405 57801 49105
41108 72994 89069 64138 95185 65183 95264 02509 29769 80565
28548 70991 83588 12083 25087 82725 58846 28242 89890 50132
29537 33459 92284 31050 15877 58973 14222 39029 79541 57763
18613 53728 19383 01901 29859 92341 72331 05789 43781 28004
49149 23717 09140 66101 59751 95161 47907 14432 07745 36290
06515 08147 58911 01081 55230 75424 13295 60524 77880 54794
35587 73313 19076 00064 23508 46484 81165 33777 18862 09434
88061 35150 90946 49754 58168 73416 47031 84318 53561 22512
49552 64062 97639 18059 44751 35887 78412 42557 32416 10142
79622 49749 31431 07095 06883 64076 20806 80854 01034 16167
60888 44173 55877 00303 24437 42553 82505 64798 92243 51124
87397 71213 92997 92698 56466 83372 92070 00463 62257 72084
58921 73731 36477 46539 67793 00207 75039 48293 11409 43183
67821 68795 32334 17122 70310 76379 01706 00050 59338 63671
00015 56210 40078 51344 79621 67402 96506 09154 13702 96455
02504 80204 61304 31260 35786 19369 03207 82814 61863 81804
28266 35704 80197 22511 74935 74460 49759 92859 57654 34244
36163 45025 32783 49271 47577 80273 83776 97438 51588 02031
30286 64575 90205 59680 90871 76760 35203 94008 54017 74144
50985 34271 00000

11166 70202 64128 01035 01099
12943 71121 40563 31342 82096 40327 79485 68818 75903 01922
52496 70305 21664 03121 24274 77141 90795 99617 41318 37036
72897 69656 21106 43590 42102 89545 48368 11462 01653 00274
26947 29360 17631 19928 60643 58064 77796 81609 61513 65646
36447 01513 09044 17088 31261 06877 08638 60481 83048 78480
22865 76999 14346 87384 73889 86821 47801 30588 40539 28204
70277 95311 98434 51882 73616 06568 76626 97997 08008 37731
29165 47722 08880 88775 45061 66787 83275 61883 45054 83083
66630 89092 38639 65544 85904 91698 39780 96472 89993 76068
64761 54522 33364 95573 60592 50501 23856 33323 37428 83209
70569 85388 03426 07468 92799 49196 25479 35107 00000

14354/12177/10156 kHz, 06-11, 0700/0710/0720 UTC

14369/12186/10231 kHz, 06-11, 1200/1210/1220 UTC

11166 70202 65893 05036 02079
15780 83031 83266 33275 97124 58687 69415 19273 82988 65320
78885 96894 66099 74154 80772 51432 47021 33496 19009 89639
69939 91397 44491 94089 63233 42266 66826 75691 70766 27076
74154 66521 84839 41879 94467 20191 16744 34309 96874 11910
65840 92765 56244 55448 73128 57945 29663 79181 70203 11444
18148 28402 59580 21084 12049 86091 87292 47667 43584 29333
93714 42853 94940 63561 53549 92819 35373 01825 40905 87429
85751 81263 80419 19564 33984 33972 70341 44316 49758 54456

88536 52744 72033 30845 17332 39859 67725 32073 48149 71532
85023 68198 51860 80027 49767 66055 25801 42824 78335 27431
53386 24433 05467 61939 37259 85889 50471 11801 91906 91604
70245 10693 06697 68273 72549 43881 15253 95513 87975 01800
32121 32940 24042 44276 42652 13344 49852 17596 57052 56674
84766 91577 64526 84515 89505 08859 48456 39728 83135 63578
48553 40962 34373 51638 80920 26720 00641 59733 51963 68651
13314 85344 27084 58783 32599 04869 40101 00357 20476 32086
54323 56966 05145 34145 11228 39686 35413 97252 27672 36877
48468 59265 27573 16350 99454 51352 19008 54584 26315 15939
52646 72686 48318 93097 22482 83766 21720 92591 94781 81437
00983 93742 76193 24108 79006 40326 56953 94767 04799 22666
90126 40948 02024 64131 92822 36205 00000

14354/12177/10156 kHz, 07-11, 0700/0710/0720 UTC. Two messages
14369/12186/10231 kHz, 07-11, 1200/1210/1220 UTC. Two messages

11166 70202 78123 05037 01779
46596 83185 36822 27036 56142 56354 78208 53383 93481 13525
28837 92407 28044 33851 19504 48243 06367 54295 31385 83593
01019 07980 56536 65933 60392 66931 80353 23590 07826 31402
96949 66357 63465 32968 93375 50367 87332 43577 63629 91868
67007 07749 38385 59638 98386 40099 41381 00674 32942 55389
08415 78887 89924 23281 29859 31475 56940 64986 02661 72639
27349 33994 02748 99375 47912 48078 13780 78985 75138 64749
73191 23025 63747 17359 21448 77356 35716 54035 65471 83013
03310 46635 92160 87544 44570 61905 92940 11530 54675 12040
85294 99977 21617 26813 42198 13251 99631 14492 65405 37245
78822 03696 63520 17492 74412 83407 20787 46868 84063 83313
67543 61610 86694 61662 88273 25323 81250 92834 28190 05649
88838 71800 84295 73317 66692 77668 91849 78233 07381 63494
42185 82311 21713 64555 92808 53726 28775 42260 55727 52291
01522 05901 74929 60621 41387 79415 28968 40795 80324 05363
19580 21191 33734 03290 32271 43183 52698 24683 79816 22389
48978 71686 64614 04161 91201 71778 20809 17995 95669 25594
22153 60558 60246 70076 66521 37175 00000

11166 70202 98456 05038 01899
03037 52991 26566 67878 38735 24966 93225 31892 96253 19238
95142 80093 59551 93169 81991 50194 38840 81091 16809 89280
04096 80625 01349 49364 06569 78946 01154 81469 92955 42428
87513 14191 41945 18096 38509 27661 77807 20347 66330 58865
40726 01349 63038 99248 18557 28573 81987 70533 69695 17897
97066 89706 91745 95704 06973 59100 15686 88432 76674 42511
30195 62993 33289 13287 65855 66515 58526 85328 93902 38836
44912 62933 19209 96189 07961 70436 72197 09517 71502 47554
29370 25851 68326 21410 17132 06199 23366 91140 78607 78366
11566 86048 08133 28165 07666 83219 83106 77434 70051 95556
47899 22314 25883 66155 29493 30212 49675 29972 89553 18900
52527 28705 42609 66173 24179 89846 95035 23522 95095 05824
84530 32232 10746 74177 24754 65373 35289 84717 84846 44105
26833 64582 58484 01727 51467 17151 02182 93932 28255 15734
47516 78681 22364 37998 16967 14145 28529 52037 98052 48151
12044 90051 55463 97575 99448 70558 85859 41109 36118 55074
45040 73837 52929 50207 02161 97081 09202 91102 00691 41928
04091 67164 30791 49885 73626 76007 42813 59107 15591 16563
56591 69623 09402 57289 46229 86007 23216 38187 00000

14354/12177/10156 kHz, 08-11, 0700/0710/0720 UTC

11166 70202 34569 08049 00049 00000 00000 00000 00000

14354/12177/10156 kHz, 11-11, 0700/0710/0720 UTC

14369/12186/10231 kHz, 11-11, 1200/1210/1220 UTC

11166 70202 51469 08039 02759

94430 32234 35018 50595 25955 61048 07605 18918 08471 47971
63059 45973 20706 34079 18933 55439 35615 31968 52346 78597
12998 32611 53010 13189 62535 64266 36497 83541 13164 83114
16212 94151 49739 00332 57483 93909 02929 75272 62231 93163
03248 29449 57625 00794 35216 61007 87199 73500 52525 64370
27833 94486 40201 84751 81054 23714 34660 62214 12099 86942
37618 44972 35154 95714 84791 76614 68239 15489 55309 86944
06146 24109 32794 41118 84887 27785 54035 26774 36086 26787
06204 83834 54738 48034 58528 06672 28801 86758 39398 73331
04032 24447 94794 81478 82511 15235 89026 95786 78306 57948
33671 36433 78693 95969 55690 63386 84384 12139 40631 36201
27200 10843 11872 53969 88615 04512 31835 05149 67625 46694
36113 81930 71367 78903 36440 38860 26925 83414 53448 00367
37773 59214 65151 46918 33279 63276 82080 34474 84717 84362
85027 26923 86213 41524 86313 46200 24082 24502 00538 69767
82964 18207 35730 30140 62237 78473 40861 96158 01098 51265
70623 40683 35785 52527 53447 24395 37371 50869 73672 50414
03549 20274 03816 69386 02861 55001 47878 39762 94816 63900
81616 72928 74317 86293 00738 17897 13837 96631 12929 65227
01793 90113 34679 74877 00554 66439 78820 57669 72501 53902
43733 65051 47605 41001 40147 66851 30937 07756 16473 21704
73562 73916 68615 69845 55247 06264 45186 02954 52423 52165
84077 90730 89840 91597 41307 68905 99351 24815 98094 18360
34261 37841 57096 90043 12676 12989 63736 55387 88302 76581
13572 86885 72122 01072 31637 98541 53376 03742 34687 00875
93315 09172 12301 50146 90128 67667 87760 96533 38515 46832
44656 60897 32307 38466 30155 94861 83610 47992 70859 03882
56878 58586 62209 39273 00000

Link 80214

11162/9915/8187 kHz, 07-11, 1330/1340/1350 UTC

11166 80214 23568 07053 00049 00000 00000 00000 00000

11162/9915/8187 kHz, 14-11, 1330/1340/1350 UTC

11166 80214 15397 14001 00049 00000 00000 00000 00000

11162/9915/8187 kHz, 21-11, 1330/1340/1350 UTC

11166 80214 12345 21057 00049 00000 00000 00000 00000

11162/9915/8187 kHz, 28-11, 1330/1340/1350 UTC

11166 80214 54978 28012 00049 00000 00000 00000 00000

F06a FSK 200/1000 ASCII

12203 kHz, 18-11, 1125 UTC, i.p. sending file 86-155

11100 00129 12345 18086 01559

14437 55598 15478 05965 42479 13644 78371 01233 10231 46461
97795 00339 42133 20168 98945 77273 23262 10717 89391 83929
58265 42292 69816 97526 77258 60571 19069 39624 99642 95533
26969 33907 91758 93514 73304 94919 79336 23175 76460 64953
00661 85094 60112 41259 11400 79660 11419 60785 77029 12942
29165 34618 13798 45248 85276 49319 64152 12041 48157 77341
17588 71905 41271 63723 12839 61254 35426 81227 82350 60458
98179 71135 24982 01096 48815 11866 17865 68990 92317 82618
03358 82753 30794 14221 12043 52489 75775 44372 07685 48367
09826 19470 65108 33749 70916 10199 16922 42546 57981 33089

30023 05513 81112 95206 97829 55144 04810 04187 59171 63878
57742 10777 79773 95285 07453 76093 57285 72939 23430 80771
35774 96637 77013 18194 40628 60689 51538 38995 69816 53930
61175 39015 02422 46167 01909 07907 10405 90734 83064 80563
84526 97855 12859 58579 10365 58485 36373 93905 55372 23333
49420 51910 52899 66750

X06 - Mazielka

X06 logs

14631 kHz, 06-11, 0921 UTC	MFA Moscow clg 362154: Russian embassy, Athens
11085 kHz, 19-11, 0937 UTC	MFA Moscow clg 154263 Russian embassy Rome
13411 kHz, 19-11, 0946 UTC	MFA Moscow clg 165423 Russian embassy Brussels
14944 kHz, 20-11, 1315 UTC	MFA Moscow clg 621543: Russian embassy Lisbon

X06b and variants logs

13368 kHz, 01-11, 1120 UTC	Sequence 111666 before XPA2
12168 kHz, 01-11, 1122 UTC	Sequence 111666 before XPA2
18950 kHz, 01-11, 0918 UTC	Sequence 111666
12215 kHz, 01-11, 1001 UTC	Sequence 111666
10968 kHz, 15-11, 1124 UTC	Sequence 616511 before XPA2
12183 kHz, 17-11, 1103 UTC	Sequence 111666 before XPA2
12183 kHz, 17-11, 1106 UTC	Sequence 111666 before XPA2
12183 kHz, 17-11, 1123 UTC	Sequence 111666 before XPA2
13883 kHz, 17-11, 1104 UTC	Sequence 111666 before XPA2
13883 kHz, 17-11, 1106 UTC	Sequence 111666 before XPA2
13883 kHz, 17-11, 1124 UTC	Sequence 111666 before XPA2
14783 kHz, 17-11, 1104 UTC	Sequence 111666 before XPA2
14783 kHz, 17-11, 1108 UTC	Sequence 111666 before XPA2
14783 kHz, 17-11, 1125 UTC	Sequence 111666 before XPA2
14884 kHz, 19-11, 1143 UTC	Sequence 111666 before E07
8320 kHz, 20-11, 1300 UTC	i.p.

XPA1

13978/14859/15871 kHz, 05-11, 0810/0830/0850 UTC

587 587 587 000
04821 00001 00000 35656

13978/14859/15871 kHz, 07-11, 0810/0830/0850 UTC

587 587 587 000
02753 00001 00000 36257

13978/14859/15871 kHz, 12-11, 0810/0830/0850 UTC

587 587 587 000
09686 00001 00000 37271

13978/14859/15871 kHz, 14-11, 0810/0830/0850 UTC

587 587 587 000
07676 00001 00000 37266

13978/14859/15871 kHz, 14-11, 0810/0830/0850 UTC

587 587 587 000
07666 00001 00000 37265

13978/14859/15871 kHz, 21-11, 0810/0830/0850 UTC

587 587 587 000
06903 00001 00000 37256

13978/14859/15871 kHz, 26-11, 0810/0830/0850 UTC

587 587 587 000
08477 00001 00000 36667

13978/14859/15871 kHz, 28-11, 0810/0830/0850 UTC

587 587 587 000
04714 00001 00000 36655

XPA2

10968/12168/13368 kHz, 01-11, 1200/1220/1240 UTC

09081 00044 78871 56151 35108 25696 78651 53152 49022 99725
59406 17604 87732 70675 86536 45893 83820 95359 88072 13813
78068 70143 73893 50622 16197 21970 22456 56398 42269 61309
55937 68935 62197 86239 14304 74256 06157 37239 40328 58755
06483 16094 81536 06937 98607 14884 33303

15985/14885/13885 kHz, 02-11/07-11/09-11, 0910/0930/0950 UTC

00427 00042 61650 51727 19400 67706 58403 43585 25367 45030
77288 65112 32820 42138 47924 05101 67806 64159 90558 96249
09838 47980 74588 95145 74943 86281 17213 95448 83329 21790
03030 35262 53364 69752 63313 38896 20059 37887 93141 99120
96375 84638 75591 34772 30624

14783/13883/12183 kHz, 03-11/05-11, 1200/1220/1240 UTC

02359 00012 83695 05432 95834 98902 47678 42017 08426 09946
56517 57674 11540 07389 37055

17413/15852/13363 kHz, 04-11/06-11, 0910/0930/0950 UTC

07880 00076 52550 96932 15447 77629 02996 40391 83995 40306
93081 03607 58444 89621 61342 55967 84642 47309 77151 16821
69486 22468 19737 19202 82952 91009 42198 27979 83216 62009
84550 73308 91602 60002333113 03826 37221 19883 153533 3421
39602 27136 38021 90284 93211 55315 89202 74585 66446 17861
49496 26000 55228 36401 37544 73962 83882 64572 02192 70138
36336 68412 52858 97260 71693 24283 32718 62784 14199 67725
12141 72719 81741 42852 80259 37570 85705 94222 65422

8126/6826/5326 kHz, 04-11/18-11, 1600/1620/1640 UTC

00522 00240 41119 24491 92280 36309 60550 32722 57045 03882
45796 02595 34440 99503 45871 50246 63217 74359 26019 85009
26201 41931 33958 36694 57293 05540 62000 48842 88219 11364
77213 69265 28099 62951 15824 58206 72689 64271 36923 76135
60462 78517 31867 07253 45993 62086 52270 06788 29484 71947
22398 02758 94490 08555 48278 82822 71705 06995 77045 19710
63751 00179 85958 78317 24333 63895 30288 00993 77967 35614
89289 22176 31090 95795 38152 33201 45641 20924 93547 24440
05053 10755 12188 69484 79683 33768 59824 30604 22221 66021
19618 17234 21745 92821 03381 15393 01892 54412 72007 10108
82103 02099 99451 25114 28605 34319 32448 61449 49018 26933
16888 39849 44075 19209 04260 95069 48226 13360 37450 99867
87284 29645 57900 51973 03946 61906 95097 45964 03793 82197
35323 36742 60295 22083 03341 09617 29706 73642 49824 01181
97768 74816 72304 54101 31374 42227 00058 90701 71572 56213
16444 46022 23250 79427 34801 93026 10518 67836 34467 01629
64211 42957 30679 08390 17334 41359 70445 80290 80200 79462
46946 40984 81504 58376 53070 55930 31279 75135 01862 87439
47243 02081 24558 76176 88184 56367 91567 52025 50898 02593
90033 45175 68607 30940 38973 63380 87976 19636 66038 97451
00785 50127 15832 62922 25443 00052 17991 96854 38269 94064

48386 89893 82977 84764 94582 98566 38730 54704 62581 27589
49686 67979 34679 41469 17139 83433 62278 03013 38473 23228
99306 23696 75041 03516 69935 17870 20714 52014 83718 20467
60286 54649 31200

11529/13429/13929 kHz, 06-11, 0800/0820/0840 UTC

00421 00130 13410 65599 95851 39948 35901 42222 87524 10055
50279 97952 77021 99873 58089 19659 54089 03214 63855 99036
87366 36142 19967 88671 08288 69151 82245 77901 85081 36646
46741 62140 57649 45569 00632 64587 09871 74674 90730 99061
13403 90589 49310 35766 88708 66093 25778 71492 84579 54766
05152 68413 70905 10840 42701 71693 96779 46890 71386 02073
30806 46791 98533 80460 14327 20208 45207 83765 32386 15672
82100 24428 37144 09746 23164 34019 92993 16584 55102 89488
57227 78171 69712 79439 59194 89177 70376 42189 70273 87489
79227 96209 85815 29533 06915 72415 00484 12844 59772 63989
55632 06645 06233 51309 78058 98487 17113 30993 51269 46940
35586 12285 33851 70812 71989 34786 12575 26950 15332 08568
52584 21647 57157 75930 42842 35065 70635 71071 75086 96376
52991 46937 33416

10968/12168/13368 kHz, 06-11/08-11, 1200/1220/1240 UTC

00637 00012 83486 93248 67003 57913 72630 50387 54929 09106
20614 44870 26097 94026 25450

9223/9123 kHz, 07-11, 1620/1640 UTC

01512 00001 00000 34652

8126/6826/5326 kHz, 09-11, 1600/1620/1640 UTC

05625 00001 00000 36657

14783/13883/12183 kHz, 10-11/12-11, 1200/1220/1240 UTC

05342 00086 36785 64005 25784 28635 09078 92846 58448 50708
32505 07023 62380 83322 72823 07360 88044 08753 88550 88323
36203 27360 45838 53008 52154 70396 73532 89024 06445 03182
21784 36822 20416 73992 67280 03533 56228 36380 02883 82030
25608 20838 54434 52200 50663 03730 35688 06208 66806 81350
14060 66528 62063 00706 53306 62365 83366 05808 08040 38602
59240 19210 55757 05559 83553 11924 47962 28384 98462 47459
58737 26705 95769 03336 08786 38788 03076 23523 58113 34626
86174 93921 70496 49327 04309 81108 53968 28685 26076

11529/13429/13929 kHz, 11-11/13-11/17-11/20-11, 0800/0820/0840 UTC

00280 00105 63240 30828 26782 43178 71421 38263 51150 59334
84939 06977 04613 51784 18993 53993 63657 04850 39077 41488
34460 86103 06992 66430 45409 39065 48520 68354 21220 73978
10589 53185 42277 06095 19051 36682 94762 78419 57563 06557
03278 80447 61922 02048 77945 02969 72685 59832 57567 41553
03129 45166 01099 41269 62051 86438 06194 94542 58161 24922
95356 13948 38113 21257 23841 03671 31519 52713 50714 79620
19100 75239 78486 27972 09296 68773 78069 47560 38289 89376
06943 21412 10612 38622 17454 02753 15101 88464 07469 39311
97217 41098 89731 16339 41591 03744 46511 17054 70352 19203
89972 03055 17853 90336 26319 77624 79548 75370

17413/15852/13363 kHz, 11-11/13-11, 0910/0930/0950 UTC

00450 00178 52779 74505 62688 91140 89309 57556 90363 90884
04825 92977 30403 83114 57235 58060 65419 57366 95688 41726
43830 51352 54758 03961 58863 09159 41208 93308 60770 94177
32280 60695 72561 56205 59710 63552 24303 81435 12414 55124
21926 16437 09721 35187 36589 63901 27517 95684 34225 65958

68059 21000 91695 33336 08566 15776 33613 00047 30970 24059
12762 89970 32301 75464 62492 62975 18316 27509 93058 52787
56456 65987 63443 92769 12856 53628 60333 15457 41116 86259
25595 29443 62664 79666 60811 94160 91221 84826 85086 62995
32026 28000 29945 10013 93791 19741 92427 33201 36996 22032
95907 78055 05526 02219 42947 39220 91892 83926 79692 33262
28487 17653 33042 00309 09441 02907 42236 38392 82098 80728
15846 07144 48977 37233 06144 40261 10529 46620 09429 32834
23544 97723 98754 51691 05608 86454 91668 30553 03762 11161
99751 73121 66272 67086 31015 80744 94929 76842 01583 72782
33869 03360 19699 16330 07197 97886 49759 85049 03983 52035
18192 26208 18884 94443 33172 21282 61357 51945 31307 11044
57322 75585 87412 70461 02330 29807 66274 68544 71726 74272
03563

8126/6826/5326 kHz, 11-11, 1600/1620/1640 UTC

03802 00001 00000 36253

10223/9223/8123 kHz, 12-11/14-11, 1600/1620/1640 UTC

00504 00185 41780 87224 64369 89420 67742 07283 36031 66820
99928 37265 22913 26104 24550 53732 97418 02876 22395 35152
91851 91895 48861 48580 13205 49907 53592 58606 42672 34348
13353 51674 90767 82955 47321 22257 15731 96778 60692 10546
33082 30542 01373 39891 84133 77602 84337 67975 23816 01464
79850 76475 59895 20537 19838 35228 18114 72069 00577 35017
97668 83232 13858 90506 73435 46759 76905 12360 43712 05837
32407 43531 11689 02940 66951 85893 13017 33373 92300 43819
42371 68527 25534 13478 12223 77318 89398 05628 78006 46376
41728 22554 82843 24394 71701 19028 10782 61104 72268 51351
65788 19715 71664 92963 87006 26975 16291 42419 80205 69901
84866 88667 94613 63752 57482 51065 72467 51224 37140 38909
82224 93633 66761 63630 93036 00408 82633 89950 66743 14195
28809 47095 31798 85119 44128 19480 35151 97153 07811 86524
32991 42377 97588 78873 76499 17852 87839 39534 69203 28395
17745 32563 33332 14148 18544 11021 94992 71119 95962 80517
67838 41114 92178 19129 66706 81809 67941 96301 67558 16269
76089 72140 78878 99533 75539 83511 55707 54808 20606 19691
14523 57746 01267 43333 01029 92652 66270 74413

10968/12168/13368 kHz, 13-11/15-11/20-11/22-11, 1200/1220/1240 UTC

04464 00104 07221 33398 60229 70267 28927 68389 84122 15925
95064 97477 41591 44548 55934 03882 74781 57753 16683 39328
65470 13600 74112 01966 17887 58921 76185 17464 83397 29535
58874 93333 55868 29682 84194 33756 15711 64165 49824 00637
90666 30120 80513 84934 81347 11879 51085 64976 01543 82062
34512 82736 01470 21177 89298 01233 61740 44216 06961 48366
25982 47536 58447 84087 43626 84124 84704 38161 24055 02855
26481 53478 23321 37171 16214 28210 70800 46568 59129 30720
30227 15961 86485 95966 43874 51472 69523 07936 06003 92050
80657 46278 36889 42738 45872 25328 64120 24147 57675 14785
92368 47221 77422 21278 53854 74243 02564

15985/14885/13885 kHz, 14-11/16-11/21-11/23-11, 0910/0930/0950 UTC

00357 00139 01116 43316 33939 47133 83589 95123 85005 14693
63673 84047 32643 30827 39657 52331 44485 98920 94152 99884
51945 94441 42227 55274 36558 12811 58948 84334 64871 89211
38382 61049 45197 79130 48676 36082 86940 15007 97295 33881
40660 53252 78938 64302 73313 84732 30318 14958 36526 52709
23243 97441 73265 30830 95980 31714 52538 83711 75950 72720
67544 72467 48136 64651 06259 21616 95646 26460 12919 60683
10704 20328 09018 54705 09101 77848 70604 28319 63659 51462

47998 05824 05825 56133 38935 71800 77361 65268 19504 02062
95110 79537 87044 72244 97041 30137 56669 91381 04457 36591
45938 04992 97147 65745 55314 76437 45109 21392 76842 99746
11242 42803 46879 20184 76850 30574 31097 42186 17735 32683
75106 69417 49963 56977 04442 42994 98448 89630 91735 35626
23085 59827 59651 94625 76597 38339 60348 73259 41795 29702
65789 32207

8126/6826/5326 kHz, 16-11, 1600/1620/1640 UTC

00522 00240 41119 24491 92280 36309 60550 32722 57045 03882
45796 02595 34440 99503 45871 50246 63217 74359 26019 85009
26201 41931 33958 36694 57293 05540 62000 48842 88219 11364
77213 69265 28099 62951 15824 58206 72689 64271 36923 76135
60462 78517 31867 07253 45993 62086 52270 06788 29484 71947
22398 02758 94490 08555 48278 82822 71705 06995 77045 19710
63751 00179 85958 78317 24333 63895 30288 00993 77967 35614
89289 22176 31090 95795 38152 33201 45641 20924 93547 24440
05053 10755 12188 69484 79683 33768 59824 30604 22221 66021
19618 17234 21745 92821 03381 15393 01892 54412 72007 10108
82103 02099 99451 25114 28605 34319 32448 61449 49018 26933
16888 39849 44075 19209 04260 95069 48226 13360 37450 99867
87284 29645 57900 51973 03946 61906 95097 45964 03793 82197
35323 36742 60295 22083 03341 09617 29706 73642 49824 01181
97768 74816 72304 54101 31374 42227 00058 90701 71572 56213
16444 46022 23250 79427 34801 93026 10518 67836 34467 01629
64211 42957 30679 08390 17334 41359 70445 80290 80200 79462
46946 40984 81504 58376 53070 55930 31279 75135 01862 87439
47243 02081 24558 76176 88184 56367 91567 52025 50898 02593
90033 45175 68607 30940 38973 63380 87976 19636 66038 97451
00785 50127 15832 62922 25443 00052 17991 96854 38269 94064
48386 89893 82977 84764 94582 98566 38730 54704 62581 27589
49686 67979 34679 41469 17139 83433 62278 03013 38473 23228
99306 23696 75041 03516 69935 17870 20714 52014 83718 20467
60286 54649 31200

14783/13883/12183 kHz, 17-11/19-11, 1200/1220/1240 UTC

00201 00070 25001 60191 48101 08427 06310 96157 90077 81901
22381 79595 31028 90115 72772 74682 65241 90901 90177 02423
73263 38080 54621 59692 95417 48890 13588 55635 89690 17535
63017 91058 94016 41751 11378 68572 51563 99063 16197 85807
21860 60598 24211 52900 48064 92647 98032 10008 31113 71091
32936 86339 06531 02493 94589 50369 81601 59240 67031 44542
43235 82892 49208 58756 17025 26032 31741 73257 91944 89543
78806 19937 52745

17413/15852/13363 kHz, 18-11/20-11/25-11/27-11, 0910/0930/0950 UTC

00537 00144 86334 95811 83018 46869 98604 65263 93795 35624
00443 69841 15442 43999 02439 56984 17128 85828 65916 26186
74514 21934 96445 34290 98452 12793 53203 90604 79522 29133
41779 73816 11269 49531 46734 55429 03034 29049 13040 43771
24396 27863 83282 09093 88934 29945 63094 90758 72075 06479
96795 79014 29508 51040 30431 51710 40525 82081 72072 04450
99207 77012 61746 94300 19160 80739 00076 30272 01895 11525
77703 14267 78749 58614 47328 18808 07430 35189 68124 88364
75482 94261 81218 16052 51627 01080 47730 23006 86925 24419
80739 67606 77185 26472 96927 41648 86124 52609 28196 61362
06228 96517 02651 91074 72391 53603 02065 72288 61268 06399
59491 36793 56536 17901 77375 91166 12052 53684 92706 92533
17733 81173 27957 12186 96474 29554 31829 50564 86230 92810
63026 48878 31669 86925 88548 93807 36114 01000 93954 29704
74889 93331 11030 61329 67103 98511 06001

10223/9223/8123 kHz, 19-11, 1600/1620/1640 UTC

05662 00001 00000 45263

10223/9223/8123 kHz, 21-11, 1600/1620/1640 UTC

03805 00001 00000 36553

8126/6826/5326 kHz, 23-11, 1600/1620/1640 UTC

06432 00001 00000 34261

14783/13883/12183 kHz, 24-11, 1200/1220/1240 UTC

02657 00082 46402 82507 84611 10948 33730 88827 28454 71784
21819 19030 20855 08198 52641 32392 30578 46946 60618 78342
13170 39853 90052 22068 22774 37762 27192 14547 52701 98218
47266 99662 52873 48326 05281 85075 72142 54977 13739 32202
69201 61839 29396 63932 26310 27480 41408 95370 37059 25212
42282 38741 28101 81003 80285 81551 11685 77850 36254 97517
73483 79195 35699 86541 57934 17449 61499 37104 15580 08411
24801 26502 57410 45405 07595 05721 99814 11290 40180 88959
96580 29112 87370 81309 75043

11529/13429/13929 kHz, 25-11, 0800/0820/0840 UTC

03780 00001 00000 34663

8126/6826/5326 kHz, 25-11/30-11, 1600/1620/1640 UTC

05939 00125 67475 23425 45710 13655 67707 61743 88441 57612
72833 19258 87699 89793 56000 04786 64421 69712 52443 07392
47370 59474 79984 13035 45190 81519 84535 79576 79212 86218
35199 82072 54780 39134 24122 94357 13507 38970 50787 66042
38794 65496 32165 35486 29716 39232 90929 33816 55812 24961
70619 51642 49383 95610 89807 05363 56754 88429 77321 25335
29437 92668 40985 51984 72555 50268 59996 75823 53284 63771
96942 35074 80269 33134 06816 47772 35568 07158 71814 37653
71217 12782 75403 19242 26645 72209 60087 93412 51817 01473
66324 47172 58061 31818 84691 44202 40863 19024 74750 53644
93778 54496 94350 71343 84709 46644 79010 98726 51803 72657
48159 45552 81528 81353 39503 58144 59529 57517 51813 15862
52128 70420 27572 38622 42891 82979 84503 53026

10223/9223/8123 kHz, 26-11/28-11, 1600/1620/1640 UTC

05328 00149 34029 22299 25556 05379 18754 72888 32756 78809
86802 63630 99543 38971 09929 39033 80314 97066 09905 43757
26179 81817 66287 42203 68360 82853 60487 11619 16086 35477
85188 61754 19346 48340 21316 68478 74974 41553 53090 63226
17069 99837 76690 86880 90035 42285 30526 46067 73888 09417
00137 07112 79743 70043 40388 58751 64255 42595 68994 03526
12299 18908 92169 71454 43683 89008 24456 50957 95438 43825
92123 94593 46576 08324 17215 35787 86303 45671 96891 17995
31181 07947 53136 68393 97230 64506 81531 33519 24740 93220
21773 30956 77640 65881 87682 15506 97969 73444 45284 38614
52604 98490 07923 69487 09450 45382 31891 77662 97291 87174
54258 16272 31276 00441 66970 51548 99674 20331 75910 15133
10776 77590 56326 21287 95243 77658 38556 98657 26921 87229
39722 73079 14668 16250 21159 39047 02742 65164 45978 79661
72197 88937 68488 35607 37063 48763 14932 65376 29595 13437
11427 01767

11529/13429/13929 kHz, 27-11, 0800/0820/0840 UTC

06144 00001 00000 33662

10968/12168/13368 kHz, 27-11/29-11, 1200/1220/1240 UTC

02892 00040 93033 01265 84322 37075 22260 69323 23385 45989
01184 22793 67590 48800 21215 77118 88910 47503 38244 35233
13513 92125 33743 81332 59460 72504 16382 21070 36370 91647
48142 22297 68954 66851 70716 42240 55716 99787 58530 80016
35161 89980 52625

14531/13391/12177 kHz, 28-11, 0800/0820/0840 UTC

00770 00548 72102 34115 77683 02387 49197 22028 66615 24097
11645 12511 51736 80139 14938 11530 62416 32645 96912 59247
12795 71364 07205 37573 54770 55712 18058 34458 19005 23868
83511 75090 14133 26711 92081 63717 17124 72931 74547 77763
56649 63695 38818 42885 97304 46614 86082 50638 45088 95452
49814 83604 06557 78993 45501 36424 82089 98943 13697 70510
16518 93790 18455 85658 89551 09623 31313 26900 50941 38039
13931 20997 97457 95322 16652 89138 18221 92091 27920 75362
75808 56303 29505 05237 74400 37345 26411 60236 28059 22869
23995 31795 73840 55399 03874 84818 18653 96567 53288 99553
78879 95247 92514 96311 90723 71984 88380 20954 34098 27039
36334 71632 85398 08701 87777 49731 90691 24933 14535 80007
39910 68659 73222 79476 68360 41419 49767 00485 48446 81318
86241 45216 43454 85652 65622 74802 28331 86242 47211 03808
25781 39023 06293 60146 13138 92411 36829 70417 86001 75374
02336 93402 14909 37096 55967 42110 48661 12550 36396 47008
94419 42761 62298 27288 12482 92093 72031 93577 85934 13314
64126 60690 12724 41989 82519 53140 58957 20864 97565 68689
03515 39021 38284 33151 32330 17853 76240 13704 30541 04622
26175 70113 60593 66882 06118 37829 60620 15582 11567 34614
46891 64092 02817 63292 10951 80534 81775 91613 64652 92391
92782 37282 69643 95067 46156 74332 66614 53851 29887 77123
31717 31125 93966 92597 56545 58378 92198 49441 42692 89217
42148 75262 48336 62972 08083 29616 56104 61610 86727 58326
60497 52315 89107 86399 45873 30717 45459 41228 47551 95758
95421 11753 54231 35512 64105 79253 83228 81137 34783 95148
49531 54374 29114 12952 13249 26275 17779 98902 47385 33532
75526 06149 82613 41425 33837 49495 81858 52508 26414 21250
19389 46242 02280 63037 26333 68785 27983 98063 89077 04607
80877 55942 69499 33340 83498 35553 11606 29108 48537 95184
61208 45894 90411 42327 31256 08129 73706 09612 60258 33323
61811 58638 54606 52350 46100 39672 65982 64690 23336 14292
10818 00807 61801 05770 06448 13748 96741 66702 56514 04325
66481 46336 62418 93485 38654 40297 70582 22937 03435 22434
70462 89937 33359 67586 73115 03391 26959 75864 22553 69938
56567 38311 46915 74852 18934 47578 14906 50276 81640 52406
10307 76122 53530 06959 72194 91438 23417 01938 88040 45349
93919 99468 52740 28469 97660 81689 38948 84327 17253 60538
61750 17200 72564 72352 75288 24124 76293 20436 11219 81606
36011 18968 76062 10522 67080 62089 07060 15082 31749 51688
85479 66114 88078 95351 59799 59585 55201 43374 43943 50060
07172 88474 60259 35053 61616 20264 49985 74473 68528 40340
90424 81000 85839 71402 91227 76332 16865 34647 53474 00220
36310 77256 17689 17276 24936 56477 73029 43657 52075 76682
37468 86054 02489 77494 80600 03178 80644 99330 72106 38287
02634 21468 45266 06949 83087 59537 21308 64201 85755 20546
68888 71768 35096 31179 54821 36534 53070 32411 56527 24891
09750 29575 16423 94382 07964 98658 87514 56568 47760 91387
81970 39110 32086 30387 39608 30355 85770 78800 64364 16897
88414 84987 26562 85389 41271 85057 62386 00621 29938 99736
63902 65705 34310 03792 78077 52991 97691 22359 42678 85827
61818 73227 46886 57497 89197 42398 93614 79504 99075 74702
01859 79834 49348 10748 62357 89440 05267 74127 80169 06693

77226 88270 75333 96661 69460 51667 13412 32909 81319 27729
39986 82620 71609 41200 66672 55377 83463 23644 06791 75325
03051

15985/14885/13885 kHz, 28-11/30-11, 0910/0930/0950 UTC

08345 00066 91543 04489 91200 73619 35822 97267 36006 97083
04394 03735 73931 38946 57822 72079 21562 68359 58743 13529
34995 34093 81853 25756 54235 31241 40896 72298 59166 37137
17795 30331 36945 74436 85621 51512 99889 95855 72347 21498
66748 98027 43806 30235 41223 17165 69565 46422 57442 65018
66154 50830 72780 64267 42200 35544 47958 04726 88132 64836
41137 81955 12482 08467 58254 15837 89932 12833 72111

16261/15819/14551 kHz, 1000/1020/1040 kHz

00176 00001 00000 34657

15996/14563/13875 kHz, 28-11, 1200/1220/1240 UTC

00109 00698 82457 68508 87956 36624 41873 60837 98557 15529
24732 14253 53201 73711 60129 01485 81331 03451 17301 55539
78312 22541 90405 49981 48109 86114 46087 97219 77031 13347
56625 86323 51397 30625 67893 68887 53648 80739 34073 64068
17090 77689 07448 14918 22322 27167 27206 72730 04939 59581
24985 94877 06006 25480 97507 83936 22246 77446 34950 44876
95782 38907 65405 83549 41916 47992 44167 75423 97370 80902
08382 75518 58072 13828 39319 68218 48972 50349 19347 07548
51629 15285 93323 69357 09337 36939 92723 22781 08590 76000
14077 58345 46895 65091 42537 24429 75938 41048 38226 49633
15185 88605 14058 97500 55517 59272 28097 15079 55996 98647
64528 59919 86973 23076 46714 06648 73806 72811 24870 95253
58972 06378 93532 57915 05954 07015 44002 94075 19032 88544
26003 08331 26123 52503 17154 05535 22573 83062 01663 47796
63402 44553 42979 90495 21883 00510 27669 87448 38537 71963
33844 44562 49350 76280 25011 36516 81876 98124 31713 34420
08051 72720 89403 31580 85037 07887 96205 00268 61816 46779
28112 57680 03941 26443 38903 66972 40084 04080 13458 32494
82246 49175 99956 92091 75541 94400 31924 17610 03321 24888
01476 26817 04972 79715 16890 42328 46620 17252 59340 63504
37637 32562 03532 38660 97199 22484 06285 79257 82522 23016
77904 65734 18612 30684 45091 71867 82226 27249 11915 06338
26262 26987 37065 85359 67181 26930 08885 10594 67365 40257
42802 44339 66686 58204 89413 84538 13466 80751 76297 91599
58208 57774 08058 31928 51796 17433 78632 31370 02010 95614
81313 40246 73436 12724 27218 20687 51385 65498 28903 78749
78362 08231 34370 60570 67741 38171 33199 77655 72184 84207
63942 91858 17427 02473 83922 36903 86104 03760 59163 08803
50468 23619 22710 56387 65767 92292 57877 81421 67577 31967
34036 93788 01793 43031 41160 90994 83518 07508 53631 59533
00543 22326 93840 65502 78956 05855 94653 77086 83238 25134
94505 10083 64766 56202 94644 35574 53516 58502 76250 46562
52104 47062 54337 28601 61285 22130 70949 32471 77976 23977
50555 49351 26765 55844 04893 81512 83364 65395 38958 10210
65427 11616 24122 92018 02981 15301 79316 38082 59123 97639
90030 46615 68699 30069 11193 10751 48002 78012 62935 72120
86938 78198 39091 78571 50942 92836 88453 78615 96028 71917
87415 87519 49839 54464 91312 80654 73657 14304 93520 98623
26278 73286 81061 12268 01424 56112 03312 00960 71446 82908
66942 02032 02156 47830 03560 97056 27026 43991 80539 50871
04598 20333 21470 31892 18922 07174 99235 81043 30568 75835
31850 15278 48683 38111 11458 13245 49711 71633 29359 43625
84724 27379 82823 51576 22878 27863 76086 01568 98935 00013
38953 66932 49631 22053 35896 32428 17629 97450 41243 01613

80580 89999 31740 72432 47449 13456 26290 11821 07566 24745
87298 05088 54436 79848 64211 72776 75097 53209 51936 53199
35259 44071 88220 94451 46753 44856 30883 23403 02591 78726
08684 77724 96517 70388 60410 10835 67695 54945 45254 47413
74830 03482 69468 29552 30934 07976 46698 18284 19019 51562
41890 65599 24628 92487 37700 49839 92351 28791 53391 72829
26688 74795 66199 00116 15571 93782 11546 26463 70735 81301
61767 61979 47964 51627 36478 17122 79766 03970 06779 00199
74137 07075 80741 49204 11926 79677 16225 28495 23221 09365
08148 65860 00294 27598 55341 79715 76026 25738 70785 11279
24479 54630 77702 40921 70101 57499 66913 31231 78431 92650
12962 22364 79733 08578 28513 85781 21998 46390 18594 70090
17967 26823 64441 60859 35577 42665 75880 52215 88063 63078
72406 61192 09275 16645 38601 54931 12888 50813 40295 86201
96514 85481 12871 91380 18501 35743 91812 46649 96902 21587
72300 01500 28951 93656 24990 59589 10976 77811 30636 06482
85915 22495 15608 29194 15542 18620 84760 61723 42859 74544
15430 39494 46296 68091 02960 86944 62178 39357 66888 70982
94523 95821 60047 24503 65425 43172 87015 26849 71041 66406
24956 39379 54102 90885 56105 54019 79009 47552 22144 29011
58551 63890 99281 54008 15262 25663 64993 93493 09552 30238
88029 05928 17164 50252 19068 19739 22284 74692 34212 38907
37716 88348 18636 84317 14328 77945 30666 45115 81111 58943
84736 94429 18894 01061 32258 92112 98416 92397 01813 02170
48239 52146 62200 33635 77090 24017 70407 06110 71820 88800
66822 77227 11969 58129 71428 68782 46011 02180 23949 51235
55013

12217/11114/10229 kHz, 28-11, 1400/1420/1440 UTC

00868 00612 69393 48082 67943 97588 28655 72266 99016 54663
15831 87908 06871 82746 26412 66877 41846 79237 02175 21397
26201 50615 18133 98303 89475 94669 52804 78731 63185 10846
47358 32551 04019 80186 00097 58613 95294 89211 43210 13986
18976 46483 46312 42071 97972 67885 18752 06430 15486 70195
92267 49259 68521 68891 87760 32114 65836 85178 03933 30269
92276 25563 18113 19153 17001 58437 30414 33064 39447 22792
38638 22161 31299 04970 88519 12538 20403 54032 11440 27546
82094 43437 06888 27154 53648 64017 36160 00469 19752 52568
46990 55517 93363 34188 22462 66123 38422 66154 54389 86028
01785 21364 94373 09036 63532 79564 95833 21570 53415 01558
95752 66458 25624 45941 93331 29471 53084 47316 66087 97161
51139 62439 71632 85880 61875 32552 57766 42697 23018 49658
39365 33385 37814 04078 68808 21690 35968 54102 08734 55878
98962 50283 27482 77128 63048 71563 62810 56243 51370 24906
73581 68584 34646 99277 15693 50245 21495 36994 60309 04810
32234 26656 65121 29692 29320 01603 01032 09153 60428 09187
07988 38933 10525 45700 28156 15039 09732 32158 20711 64164
52175 25326 87533 12202 13218 10039 63393 88070 79889 44480
32143 29983 15939 43694 22495 14314 66235 41961 89148 10594
08437 17181 86746 53574 34985 30013 18363 82854 79053 21683
84841 69574 07059 92008 24937 33442 14174 79857 86013 99553
01600 44578 34152 65211 93539 63897 37812 97169 34163 45586
36443 75214 16595 55032 84518 51994 17934 73474 35028 68218
85257 90258 56363 37257 11288 34321 79816 54355 60888 72494
96636 62464 47041 68197 83601 03491 10482 12449 30610 90472
80415 69625 38452 42110 44694 86591 08673 05226 15296 55186
69278 43477 93705 41711 89958 81739 24635 06888 71556 88231
38978 60699 36175 46454 83834 73399 09316 44948 09995 09891
23783 99621 26799 32011 96963 83973 75377 62476 48735 42991
89682 54055 69993 72022 17356 19519 54964 89552 21910 59808
22679 16020 58850 19245 77509 07151 21537 37263 28346 33418

56350 57689 34508 43486 47603 83035 63075 67922 50360 73252
98544 89321 16223 94842 64250 33995 51416 77527 64701 98130
34735 56931 49366 91165 28575 26141 41682 14160 17213 60041
77588 58083 94516 23445 50453 45448 25623 76807 23321 62040
35696 72943 94690 37278 65473 17246 24935 79766 56377 77317
89354 80864 90571 44243 40613 91705 43077 21497 60117 51552
35972 83224 63810 69798 20277 49537 75171 83249 99150 21901
53679 33208 98846 02102 27308 38765 39422 39377 51269 11780
09988 80586 55655 93523 08426 05607 10864 30633 23502 94710
76549 25718 33514 47001 96180 73306 57500 55372 72550 88457
24690 05641 92642 58509 83384 61571 89724 11599 08952 56034
03358 81853 89933 04401 42519 94758 01221 55135 92050 09612
12020 77169 43263 77627 42041 11909 08637 81923 73541 50423
33447 91508 68178 57994 57489 06526 17666 74158 75936 92855
71587 58547 25247 91401 15307 07020 88078 01880 89775 12567
77743 27407 78339 45557 73503 28546 72443 00536 26712 05381
57990 41701 31940 53808 49194 06473 64730 02549 82512 06206
67397 65049 77975 94649 38410 14073 33307 90753 42041 13762
60703 72296 15305 43805 87105 18009 76347 35279 68892 99086
74703 89752 92198 42832 80108 09185 27131 39208 48740 46807
70668 72613 97800 10875 59847 03794 30118 11554 03069 79649
38041 72288 35670 85628 05335 29150 06300 50790 98670 46260
12459 84799 81677 72664 88719 18630 56458 71712 03801 81893
29521 35267 98383 16180 54443 59791 99608 50235 19143 29969
10097 75186 38247 91308 14838 63011 60099 99720 09371 26664
15988 72601 44079 37247 93197 20025 06379 01212 73616 69678
53294 74006 61451 70279 24129 66921 23330 64422 60246 68108
56985 01998 04793 28054 35052 12653 75935 64489 54531 23203
88655 95454 74351 54337 83259 99630 79625 88486 00931 00026
89935 46166 98056 88102 52004

5821 kHz, 28-11, 1740 UTC

message

6834 kHz, 28-11, 1840 UTC

02560 00001 00000 33660

XPB1

13894/13394/12194/11494/11094/10494 kHz, 04-11, 1100/1110/1120/1130/1140/1150 UTC
13894/13394/12194/11494/11094/10494 kHz, 09-11, 1100/1110/1120/1130/1140/1150 UTC
13894/13394/12194/11494/11094/10494 kHz, 11-11, 1100/1110/1120/1130/1140/1150 UTC
13894/13394/12194/11494/11094/10494 kHz, 16-11, 1100/1110/1120/1130/1140/1150 UTC
13894/13394/12194/11494/11094/10494 kHz, 18-11, 1100/1110/1120/1130/1140/1150 UTC
13894/13394/12194/11494/11094/10494 kHz, 23-11, 1100/1110/1120/1130/1140/1150 UTC
13894/13394/12194/11494/11094/10494 kHz, 25-11, 1100/1110/1120/1130/1140/1150 UTC
13894/13394/12194/11494/11094/10494 kHz, 30-11, 1100/1110/1120/1130/1140/1150 UTC

7876/7576/6876/5876/5376/4476 kHz, 05-11, 2000/2010/2020/2030/2040/2050 UTC
7876/7576/6876/5876/5376/4476 kHz, 10-11, 2000/2010/2020/2030/2040/2050 UTC
7876/7576/6876/5876/5376/4476 kHz, 12-11, 2000/2010/2020/2030/2040/2050 UTC
7876/7576/6876/5876/5376/4476 kHz, 17-11, 2000/2010/2020/2030/2040/2050 UTC
7876/7576/6876/5876/5376/4476 kHz, 19-11, 2000/2010/2020/2030/2040/2050 UTC
7876/7576/6876/5876/5376/4476 kHz, 24-11, 2000/2010/2020/2030/2040/2050 UTC
7876/7576/6876/5876/5376/4476 kHz, 26-11, 2000/2010/2020/2030/2040/2050 UTC

Q26 - Chinese military

See Logs Section.

XSL - Japan Maritime Self-Defense Force (海上自衛隊 Kaijō Jieitai)

See Logs Section.

DIPLOMATIC STATIONS

North Korean diplomatic stations

11175 kHz, 04-11, 1200 UTC, DPRK-ARQ 600 LSB
11164 kHz, 04-11, 1200 UTC, DPRK-ARQ 600 LSB
12200 kHz, 12-11, 0709 UTC, DPRK-ARQ 600 LSB
12104 kHz, 12-11, 0835 UTC, DPRK-ARQ 600 LSB
12200 kHz, 19-11, 0808 UTC, DPRK-ARQ 600 LSB
14650 kHz, 20-11, 0811 UTC, DPRK-ARQ 600 LSB
13415 kHz, 25-11, 0813 UTC, DPRK-ARQ 600 LSB
14115 kHz, 25-11, 1218 UTC, DPRK-ARQ 600 LSB
12104 kHz, 26-11, 0846 UTC, DPRK-ARQ 600 LSB
13442 kHz, 28-11, 1318 UTC, DPRK-ARQ 600 LSB

Egyptian diplomatic stations

8121.7 kHz, 01-11, 1612 UTC, SITOR-A 100/170	Egyptian diplo i.p.
11157.7 kHz, 09-11, 0751 UTC, SITOR-A 100/170	Egyptian diplo i.p.
14614.9 kHz, 28-11, 1320 UTC, SITOR-A 100/170	MFA Cairo clg OOV: Egyptian embassy Islamabad followed by Codan traffic from 99901 (Cairo) to 44405 (Islamabad)

UTILITY ROUND-UP

North Korean Military

All logged by JPL and F5JBR.

5258 kHz, 08-11, 0646 UTC, CW

VVV 44G de OP8
QRU 4442 SK SK

6742 kHz, 08-11, 0724 UTC, CW

HMZ99 wkg HMLL HMZQ HMM6

5066.2 kHz, 08-11, 0816 UTC, CW

CMG NR NR 04 24 35 11 080830 =
59823 00960 27414 83008 72674 43588 49165 75806 48833 91158 R
27780 44458 91775 50951 17620 34901 17623 94812 30599 66970 R
64468 20958 65136 47493 67744 73624 43511 18812 81848 62681 R
09933 39930 12020 17500 11752
ABV ABV NR NR 04 24 35 11 080830 =
59823 00960 27414 83008 72674 43588 49165 75806 48833 91158 R
27780 44458 91775 50951 17620 34901 17623 94812 30599 66970 R
64468 20958 65136 47493 67744 73624 43511 18812 81848 62681 R
09933 39930 12020 17500 11752

5066.2 kHz, 08-11, 0830 UTC, CW

CMG NR NR 06 34 29 11 07 1800 = 24041 70116 ... K K

ABV ABV NR NR 06 34 29 11 07 1800 = 24041 70116 (repeats message) AR

5066.2 kHz, 08-11, 0836 UTC, CW

CMG NR NR 07 24 32 1108 1030 = 27911 34977 92822 ... K K

ABV ABV NR NR 07 24 32 1108 1030 = 27911 34977 92822 (repeats message) AR

QRU 9202 SK

3414 kHz, 09-11, 1009 UTC, CW

I3M wkg N3W

QTC NR NR 10 WZ 10 = 30158 75416 12050 45081 76254 20143 07132 25861 98120 29841 K K QSL?

5120 kHz, 10-11, 0631 UTC, CW *)

H721 wkg H721, H722, H712, H795, H791

CP CP de H721 QRK ? K

5120 kHz, 10-11, 0730 UTC, CW *)

H721 wkg H721, H722, H712, H795, H791

CP CP de H721 QRK ? K

5324.2 kHz, 10-11, 0737 UTC, CW. QSX on 5559.5 kHz

HXA wkg VR7

4864 kHz, 10-11, 0826 UTC, CW. QSX on 5066 kHz

JUG de 4OD QTC 26 6 = 21725 99633 04076 91406 10104 84690 K

ABV QTC 26 6 = 21725 99633 04076 91406 10104 84690 K

5120 kHz, 11-11, 0630 UTC, CW *)

TJJ wkg HBM

5120 kHz, 11-11, 0632 UTC, CW *)

H721 wkg H721, H722, H712, H795, H791

CP CP de H721 QRK ? K

4237 kHz, 11-11, 0830 UTC, CW

HMV wkg HMZ48, HMU77, HMY29

4043 kHz, 11-11, 0839 UTC, CW QSX on 4030 UTC

HMX62 wkg HMV

*) Likely North Korean military

4392 kHz, 14-11, 1043 UTC, i.p.

VVV CZP CZP CZP DE ZZK ZZK QRU

5879 5879 SK SK TT

4930 kHz, 14-11, 1048 UTC, i.p.

VVV ZZK ZZK ZZK DE HRF HRF QRU

... SK SK ..

5077 kHz, 24-11, 0745 UTC, i.p. *)

S4D de 26M QRU

4237 kHz, 24-11, 0830 UTC, i.p.

HMV wkg HMZ48. CP de HMV

Japanese Military

2590 kHz, 09-11, 1030 UTC, CW

ÂOÇZ working 20 outstations. Collective callsign: ÂJÂS

Stations in this net: ÂMÛÛ, ÂMÛÇ, ÂZÂM, Â..., ÂÛÇÂ, ÂÇPÇ, ÂDÇÛ ÂRÛM, ÂPÂR, ÂÛÇÛ, ÂMÇÇ, ÂÇKM, ÂZÇU, ÂÇÛD, ÂZÇR, ÂOÛR, ÂÂÂD, ÂSÛO, ÂÂÇD, ÂPÛZ

Propaganda

7050 kHz, 18-11, 0710 UTC, LSB Russian-Ukrainian propaganda war

Jammers

6520 kHz, 19-11, 0300 UTC North Korean jammer on Voice of the People

US JCS Foxtrot Messages & Emergency Action Messages

US Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

Frequencies: 4724, 8992, 11175, 15016 kHz.

Date	UTC	Callsign	Details
01-11	0644	Palatial	49 chr EAM NFLXLV XLWPAXIW7Y7O4JP7UANE36OTPD4QZYOE36DTCRHGLX5
01-11	0727	Palatial	54 chr EAM NFTP7 3JIFCMM76SY2FIMEVGTTCO2KNDPCFQKPOQMINDUOFO3AQ6PJ
01-11	0736	Palatial	30 chr EAM 26N4VL DTXKXZIYEN3CRVBMNIDNKPLH
01-11	1354	Palatial	30 chr EAM 26JGDD O5TCS7G745N7YBP7WVOZKKB
01-11	1444	Palatial	30 chr EAM 26A5N4 IBXREWM2ETC2T5Y2GIP2MEQ2
01-11	1448	Palatial	30 chr EAM 26HR6D HABMNUHECVMQVCRFYDORIZFY
01-11	1628	Palatial	30 chr EAM NFIHT3 XIQJ6J2OTDT5PIWEBEQY45EO
01-11	1638	Palatial	30 chr EAM NFGXR OTUBB2EUMKFFGSRT3DEGUVBH
01-11	1704	Palatial	30 chr EAM 26K7PG 5JODTREMGCFEWUOPU7U2YUA
01-11	1835	Palatial	30 chr EAM 26WTT3 7YQL4XPAJAGY7VE7ENJBGRZV
01-11	2004	Palatial	30 chr EAM 26UYBT OYNDRGNARH6JTMKPGS4LBMEC
01-11	2040	Palatial	30 chr EAM NFL6O4 6PGV3OJMDHY7RL7FPV6ISJ2B
01-11	2125	Palatial	30 chr EAM NFGDBX CZ2W7Z4TPL4XSYHKMOVGAMTT
02-11	0640	Voltaire	42 chr EAM NFLIRL 662ZZ5HNLBGPVTROWFIROWZQOIA5R5H5MKYC
02-11	0700	Voltaire	30 chr EAM NFL5T7 I3DKHQVXSWQGII4PEUI6YQ4E
02-11	0733	Voltaire	30 chr EAM 267NJE EINCAKDNX6ZKJIHBPAAEW7XMP
02-11	1407	Voltaire	30 chr EAM for Hyphen NFXAEO BPC2LWPEGSZSRV6SG2RFUX7
02-11	1427	Voltaire	30 chr EAM for Hyphen NFKLSB EGGDR3Q5FNOEEUYG25UR3UTH
02-11	1504	Voltaire	30 chr EAM 262RIN LRPGGIXTGSYXVLKQKQWGQT6
02-11	1508	Voltaire	30 chr EAM 26IZEY HQ3AGVDN47XDKW275JAIBVGR
02-11	7132	Voltaire	30 chr EAM 26YIYH 4GLWL64H3UWISYFJU5OJBVFH
02-11	1843	Voltaire	30 chr EAM for Hyphen NFJS7G YPH45PDQQHTT4GCETDCGEG3U
02-11	1932	Voltaire	30 chr EAM for Warrant NFUEPT VWU3MDADCUD3Y2SFFXKNJC45
02-11	1942	Voltaire	30 chr EAM for Appletail NFEL03 6KX23GW5KYZIU52ZA375MFMV
02-11	1952	Voltaire	30 chr EAM for Warrant NFV64Z AIY4QKWJMAF3FCRKMRA35UO
02-11	2002	Voltaire	30 chr EAM for Hyphen NFUSM7 F2KXQCE4U4YDCNEHFMV3EMO3
02-11	2012	Voltaire	30 chr EAM for Appletail NFCA5J BD24DTECVZEZR7634KJUZXD2
02-11	2022	Voltaire	30 chr EAM for Appletail NFMITO 7A43PDT7P6SHYHZ367UM4XNG
02-11	2036	Voltaire	30 chr EAM for Appletail NF373S GHI5CHSS25HTVYU6NB5FIQNX
02-11	2052	Voltaire	30 chr EAM for Appletail NF... unreadable
02-11	2302	Voltaire	30 chr EAM AHMOOI 4ZKTESSZFDBMQVTNCV7EE3AM
03-11	0603	Dejected	30 chr EAM 26DJ2A XZYWH3XFYLAM44H3RGCGR5I3
03-11	0626	Dejected	30 chr EAM 26VHDD DADPPFGKLNJ5R3RL7DZE0BHT
03-11	0639	Dejected	30 chr EAM 26H3EB A3PAPN3PHYDVNVVDVG7P4VCUB

03-11	0641	Dejected	30 chr EAM 26H3EB A3PAPN3PHYDVNVVVG7P4VCUB
03-11	0648	Dejected	30 chr EAM 26E4NL NXN3BOALJSUOLVVZJWGBFC5D
03-11	0656	Dejected	30 chr EAM 26CWQD OWVB2JC6PCGIABENUWDERPI
03-11	1435	Dejected	30 chr EAM 26BQV7 EW7KIRANOAZSMXSG5JAISOR
03-11	1438	Dejected	30 chr EAM for Boston Bull AHYVQT K4LU4G4AG4F2FOS4OX2BI7EO
03-11	1449	Dejected	30 chr EAM for Boston Bull AHAC23 DO2E6FXYOZ2YCVCHUHP2GSUK
03-11	1532	Dejected	30 chr EAM for Gino-13 AH7FY3 PLE7CWSKBGDW5CU3RIFVFR44
03-11	1545	Dejected	30 chr EAM for Boston Bull AHF3DD NXU2PATMXTHFMCC3QU5P4LIN
03-11	1557	Dejected	30 chr EAM for Bundy AHJVSK LHI7HUKFZQKPAS5TXKBDFDIZ
03-11	1607	Dejected	30 chr EAM 267ZTG 7RPX2TT65SQN3RHDAOMOJYAB
03-11	1615	Dejected	30 chr EAM for Bundy AHREIU SEC45S6VATNGA6YV2C333L4W
03-11	1647	Dejected	30 chr EAM for Bundy AHC64Q RCNSE7LOC2Z7IZ44QDOQB4Z4
03-11	1707	Dejected	30 chr EAM for Boston Bull AH7SGP ICCSKW6FG3DQK32OXWT5QFNB
03-11	1819	Dejected	242 chr EAM JETMFU QJTWXLYUSOKAYSLYNLCILIEYWFZRI2DSRURXXSXXMYYYYEUVSYXUY67VZVPJHHKKKKDVSOUR EF44FTJJNALXTTTT6Y3GXHGFHAXFFU7FSFFF3CUDUMSQZGUZEL2RLKVAH4XQJEJ3X5234L2Y YYABYIIUY7777DBYP47337H6XCBCBPPPPJ6CNSBGEW7A4M4RR4BBBBANRC6RI36ILKEWK RWGMMMMMLDA76HJN7
03-11	1901	Dejected	30 chr EAM for Lender AH6QUA XPOPB6KAHO3H5NDZAJWCXPYM
03-11	1912	Dejected	30 chr EAM for Boston Bull, for Lender AHBKW 3WBIUQWSU3XUGARPHP5QJKAEA
03-11	1922	Dejected	30 chr EAM for Boston Bull AHQNSU 7TYLCQXFGHK6Q4VQUJ7GN6WL
03-11	1932	Dejected	30 chr EAM for Lender AHB6VI 3T6DCS5LPMHZFKPUXS4IILAZ
03-11	1942	Dejected	30 chr EAM for Lender AHZFXQ L2WGTNVTDYNO75MBLE4BEXPH
03-11	2033	Dejected	30 chr EAM for Lender AHO6YO FKQ5YMEPLXHBHCRSDXX5TKPH
03-11	2103	Dejected	30 chr EAM 26B4FJ TQPTMUSTWHG3YCYWKTQT37FA
03-11	2247	Dejected	30 chr EAM 26ICPV 4Q4DB5CJVY67C5JL5AZO26LP
03-11	2249	Dejected	30 chr EAM 26T44T DLMJ4IKFBEOUEVFIH5FIMDK4
04-11	1509	Dragrace	54 chr EAM AHT7KZ LAGIQLUOL2UJ77R54KPRS4YYA4ATTQSB2YKZWPY2T3PPBOEN
04-11	1527	Dragrace	30 chr EAM AHW24P ERPE3TZKIJX35NR4RV27NT3L
04-11	1738	Dragrace	30 chr EAM AH5FGQ D3BX2J4C3JDWBOZ4DMV5U25C
04-11	1745	Dragrace	30 chr EAM AHMRLH CNHG7DPB2LSJO4V6ROCZO5EW
05-11	2134	Iron Wood	30 chr EAM for Region Charlie AHK77J AAJ2K327DLXASVYQXZDGMKBKW
05-11	2148	Iron Wood	30 chr EAM AHYNHD DGVPGWFW6CQAF5ITRIUMOIJR
05-11	2159	Iron Wood	30 chr EAM AHIEHS YASJ7HNVI6ZZSGMSPHKEI7ZS
05-11	2207	Iron Wood	30 chr EAM 26OUFD R3TXXELL7VLF3M37K27NWWYGC
05-11	2211	Iron Wood	30 chr EAM 26MFHK 2L3DQ3QIUZ7WFGL7RYIQBP72
05-11	2217	Iron Wood	30 chr EAM 262A2E QT25GCQBWG4R3RC5OXEKWJCO
05-11	2230	Iron Wood	30 chr EAM 26D3AP COTP67MH52S5SFIPB2UKTA6R
05-11	2232	Iron Wood	30 chr EAM 26UVDA YAAQCYYSQOVW6SUKBUMV3QDB
05-11	2235	Iron Wood	30 chr EAM 262A2E QT25GCQBWG4R3RC5OXEKWJCO
05-11	2238	Iron Wood	30 chr EAM 26MFHK 2L3DQ3QIUZ7WFGL7RYIQBP72
05-11	2241	Iron Wood	30 chr EAM 26T3Y6 3ANTXCTOGQTPNOLLKV6KSPL3
05-11	2248	Iron Wood	30 chr EAM 26HT4C WAJOP23NX6EOMMKYCY6ADG42
05-11	2300	Iron Wood	30 chr EAM 26HT4C WAJOP23NX6EOMMKYCY6ADG42
05-11	2304	Iron Wood	30 chr EAM 26T3Y6 3ANTXCTOGQTPNOLLKV6KSPL3
05-11	2307	Iron Wood	30 chr EAM 26UVDA YAAQCYYSQOVW6SUKBUMV3QDB
06-11	0104	Reputable	30 chr EAM for First Time AHNZXR N6CGLHILQCLD36GZNR45G5Y4
06-11	0117	Reputable	30 chr EAM for First Time AHGU5W FCC4WKRW3N22KWEDXYBLG4ZC
06-11	0203	Reputable	30 chr EAM 26ZEPI N3PYG4SUFPGOD4QW6EBRTGMK
06-11	0810	Reputable	59 chr EAM AHRQWK GQVXZHETQ6FLCMS2DB7CT3S7CT3CXC6J4AX2RCAQTC64CAZYMPHLF
06-11	0818	Reputable	44 chr EAM AHB3XF PS5EETIUHWOEXSETBVOHWVOXSU26ZBMNU2JIOI
06-11	0840	Reputable	30 chr EAM AHLGLB QZ2LHAM2T7HLJK4TJZ3IWIRT
06-11	1451	Reputable	41 chr EAM AH5L GK LRZ3MBDMSY5RQJJA6LKTWAOAQHFVY7HVGJX
06-11	1504	Reputable	30 chr EAM AHRIYH KGVGLUOZJZGDIOSYSUPNOPG
06-11	1521	Reputable	116 chr EAM JEFGET NBIZ4QUTAAWM3ITNWTMLWXQIKRWRAI3ARXORBTH7FINI67BBFTITF7777AVOAPEE4LUQBB6 MMBFIIIL5E4FH HHYKWLDDGGG2CCCC4YVGLXXXX
06-11	1531	Reputable	30 chr EAM 26IN4N 6BAN2JNPSQOHZIW4SNEJAP4Q

06-11	1558	Reputable	30 chr EAM 2667U3 NLDKZBM4KCAKT5D62D3IV65B
06-11	1749	Reputable	30 chr EAM for First Time AHYPM2 ZAEABUK34VEDMLAWF5MN5KZ
06-11	1754	Reputable	30 chr EAM for First Time AHYPM2 ZAEABUK34VEDMLAWF5MN5KZ
06-11	2314	Reputable	30 chr EAM 26ZBWB U3RKXHHT5RIZ4X5YGNEXULDR
06-11	1325	Reputable	30 chr EAM 26O4C2 M6MJ43NPW2HRSDP3VXZP4GW
07-11	0033	Play Ball	30 chr EAM 26SPRZ UFZKF4W7HO7ROZK6K42ZAF4R
07-11	0217	Play Ball	30 chr EAM 26UQG4 FKRQBQDUJKS3O4IL35YZHXKGN
07-11	0538	Play Ball	30 chr EAM 26B2YI 7MTF3LFMUHZNOTDOPHS3NA72
07-11	0541	Play Ball	30 chr EAM 26IHV5 3ZJUCL64P2IKMKBG76KJ2CMK
07-11	0623	Play Ball	30 chr EAM 26PFZ2 CRJUAJUTDJ5TUIJMW5ZRXNYS
07-11	0642	Play Ball	30 chr EAM 26ZZ6H DJPLTZTCOWFWZB6MPBDZPBN6
07-11	0655	Play Ball	30 chr EAM 26KERD Q6QYCECEYL464J2F6YO2CUIF
07-11	0705	Play Ball	52 chr EAM AH6ZM4 KHZFF425BWUCAZVJCFHWODAWGSPDYQVJCLHDDAT2XQQMW
07-11	0708	Play Ball	30 chr EAM 26E7BY CQ6TNPYNZHIORPSM6XXG4BHP
07-11	0711	Play Ball	41 chr EAM AH6FVK BXY2AOTHETWTCMUTN2FU3SVIESG7EXYCL3F
07-11	0823	Play Ball	30 chr EAM 265UHV 6KVE3JKUSJC7D7EKKQHNCW76
07-11	0828	Play Ball	30 chr EAM 26KD2H P6SEL5JYGPK4FUCZXFLNY62Q
07-11	0849	Play Ball	27 chr EAM AHY6RC MOILFN2CIOK5NK3H4TZL2
07-11	0854	Play Ball	30 chr EAM AHCL7Y N65BNF3SBFGHUL7FJICVM76I
07-11	0919	Play Ball	30 chr EAM 26S7A2 MJPAJBPQ7G3UFLQGU4SEQLN
07-11	1546	Play Ball	30 chr EAM 26IKPN RU3A7RM5YXRSNRUMBUPHQYL
07-11	1737	Play Ball	30 chr EAM AHULPF NEYHWOTCI2F7XTHFOWLDSU23
07-11	1811	Play Ball	30 chr EAM AH2HM3 JA3W5OSITU7BRNUXFPZRKJWJ
07-11	1838	Play Ball	30 chr EAM AHATPE ZTMZMTLAK5JQRAEON7T3XDJ7
07-11	1941	Play Ball	74 chr EAM AHOZY6 7GFJUTD3TY74EDKXY2XPFHCE5C2EMPK35LKOL6S4TKX7AXBA5ZZSSESWPB2HCE5C2TMS
08-11	0610	Deep Cut	30 chr EAM 26X2AE AZH6WQO7ROK6B64JMN4SHTJ6
08-11	0619	Deep Cut	30 chr EAM 26W76G 4URBZM2E2NSEMUGUTDKSDOQ3
08-11	0639	Deep Cut	30 chr EAM 26DKAI W66QCOCXW4MW6AY7JXOTMY2G
08-11	0641	Deep Cut	30 chr EAM 26UD4K WVC4UDTDUHIFMDRAB3BLOPUW
08-11	0643	Deep Cut	30 chr EAM 26GBVZ W43IOTZOZ3R2QQRVIBWVSRNK
08-11	0650	Deep Cut	30 chr EAM 262NBO ZD2EUID24NFS6YFJADKV3TN
08-11	0703	Deep Cut	30 chr EAM 264ROY SH6DBXUJX5C6DZPKMBZJ6IY7
08-11	0707	Deep Cut	30 chr EAM IBXENO S7LUVFW6FBBNB7WLUAKL4FTR
08-11	0747	Deep Cut	30 chr EAM for Dairy Mark AHJBA CUZ7YFLFTCEDMHZHKVLFWPMJ
08-11	0806	Deep Cut	54 chr EAM JEOKWR HWH37NXVSEZVDPM24HTJLHDTTRHQ5H55RICSSSS6UAUUAOC4
08-11	0815	Deep Cut	30 chr EAM AHFOOK VFMZ3TXB5N4YLM6QROFQ6OZ
08-11	0818	Deep Cut	30 chr EAM AHOXGW QDIE7SDGGJAQBH3RNGVYBFL7
08-11	0827	Deep Cut	30 chr EAM IBCJH2 CBUVOKQOBY5ADGLKREUAKR3E
08-11	0858	Deep Cut	30 chr EAM IBR7DG QP4VEIRX646VE4KM3NHBRESL
08-11	0901	Deep Cut	30 chr EAM IBCPEP XYAHMDR57AN76KSGZE4F6KEQ
08-11	0913	Deep Cut	30 chr EAM IBAGS6 P7VV3KRXVCJNTZVSGIUO5VQT
09-11	0639	Long Term	30 chr EAM IBLQSI VJ3B6XULKRP3JXFEQWRAKCN4
09-11	0643	Long Term	30 chr EAM IBB5OB T6EYGEWRIEFBYGNAWTSMJHI
09-11	0647	Long Term	30 chr EAM IBQDVN G5AX2FCCVOYY4WGJDU7VJGYE
09-11	0650	Long Term	30 chr EAM IBQDVN G5AX2FCCVOYY4WGJDU7VJGYE
09-11	0708	Long Term	30 chr EAM IBEYYA Y2BSZT6JOIORJXP6PBA2G3MD
09-11	0733	Long Term	48 chr EAM AH2O2X Q3BGWBVEUJDZQ7LUZJZUJDZVZLYSDRBS3QGZ66UVEY
09-11	0746	Long Term	30 chr EAM for Region Bravo AHIICI 6TVXXH7EGO2WVANV3MBWGTIE
09-11	0809	Long Term	54 chr EAM AH75S7 LNM5ZBDXSWORMYYLS7V72OEYFUQDRXXTJ4NC2Y6URIMWWMZNV
09-11	0818	Long Term	37 chr EAM AHN5MJ F4REYYH7T37RIT5FMLOLS73DLWJKQPQ
09-11	0832	Long Term	30 chr EAM IB4ZJX HQV4QEVSSIQP4C7PUJXMEG7F
10-11	0651	Coal Oil	30 chr EAM IBJPT EYCDREYAGYNZD6O5YKARZSWVF
10-11	1532	Coal Oil	30 chr EAM for Bendo-55? AHOA3N G3XNCP5GCT2GSQX6BRIKIVZ
10-11	1601	Coal Oil	30 chr EAM IBOM6A VRDNQBH5VBOYFDT2F4YCDWEW
10-11	2105	Coal Oil	30 chr EAM IB7COG 5A5VLR07F2HTOLCP5WZVXFH
11-11	0123	Angry Cat	30 chr EAM IBEUV4 PS2DKOQWIQRGTNLXZJVTY47C
11-11	0126	Angry Cat	30 chr EAM IBFMQF 4DHL3I35Y3NETXTONHNT06CM

11-11	0607	Angry Cat	30 chr EAM IBF3Z7 K5IXZFLFWFXLHYIKZI6SVYB
12-11	1517	King Crab	37 chr EAM AHK66G ZBLT5SJGZ3ZU4JUCNTQHHQRDTADKAI7
12-11	1729	King Crab	30 chr EAM for Region Charlie AH76IX MEU25S34XAHGWRQOKAFQY4M3
12-11	1732	King Crab	30 chr EAM AHU56X AD4LMO4GFHCCB6FPLLY6CXG2
12-11	1752	King Crab	30 chr EAM for Berto-67? AHTCLQ D5C4LMSCDFHGUJKRJOSM3ZZC
12-11	1801	King Crab	30 chr EAM AHNQAL A7U62DWQ3B5AVQFBWTH2Q66D
12-11	1807	King Crab	30 chr EAM AHGPXZ KPEBVZBIWCPW2ZEX4J2LIIQE
12-11	1817	King Crab	30 chr EAM IB7TBO L5TTPSFLBWWHUPN7YIEKOLNZ
12-11	1918	King Crab	30 chr EAM IBVHQ7 AR5ZOSFU5JCAG3XP4ABS5PJC
12-11	2333	King Crab	30 chr EAM IBM6OS BGJWYJZCKXI7RWXUHDGW5T4O
13-11	0107	Animation	43 chr EAM AH6GCW ZP66MEMA7NBSFEN4DJ37NBSNSFUNAT4V2FTLC
13-11	0114	Animation	41 chr EAM AH34QY R7M3SIO6TWBMOCONY4P3NH2XZSSP2ZHUT6HP
13-11	0141	Animation	30 chr EAM IBY554 IRQE2YD7CFFCZKE2FFGPARNW
13-11	0151	Animation	30 chr EAM AHLDN6 3VB53Z22MFURM5ZQERBVUDVC
13-11	0154	Animation	30 chr EAM IBDYCN QKFDHGCI6UNXYQT43ABV6PTK
13-11	0535	Animation	30 chr EAM IBDC66 4WNVKKEODB4F34KWZLYCXVNG
13-11	1521	Animation	54 chr EAM AH6QYQ SGVLEZKDLFEVZH3W3SH3Q33ZJKBZ6MVTRM3JXX7E6XRCVOVM
13-11	1524	Animation	30 chr EAM AH6QYQ SGVLEZKDLFEVZH3W3SH3Q33ZJKBZ6MVTRM3JXX7E6XRCVOVM
13-11	1554	Animation	30 chr EAM IB7UQB BWDX4BI2TPLFGLYC6NCNR3MJ
13-11	1600	Animation	30 chr EAM IBARKZ E4VWW5HSV3U34YYIUXYQE3FO
13-11	1620	Animation	54 chr EAM AHSLEY 5ZVB4T3JVGOK6NZOA4ZZOAT5FO2C4NXHKJNGFO2A4PAONQFX
13-11	1754	Animation	30 chr EAM AH3AP5 M2ZI7C2HTUY5G3ADHEHE4KX7
13-11	1802	Animation	30 chr EAM AH7MKE TY54AJORHNMQ6YNINF5U5G4X
13-11	1809	Animation	30 chr EAM for Regio Charlie AHIYR2 VQW7SIK7PRP43RNE5GT2DMU7
13-11	1820	Animation	30 chr EAM AH3R5W JNYUVLHZMBBX3AF53S2M2OCD
13-11	1825	Animation	30 chr EAM AH3R5W JNYUVLHZMBBX3AF53S2M2OCD
13-11	2035	Animation	30 chr EAM IBXTZT JOO6QECQVVKMUZMS23YBJRT
13-11	2126	Animation	30 chr EAM IBAMEE JSNLPVXAH3VEV5L3WD5WRCXY
13-11	2333	Animation	30 chr EAM IBERWH Q6DZA6I73RWKLUGLCWQDI2X6
14-11	0037	Animation	30 chr EAM IB7K35 2NPZPROVRZWWXIFYOJZJR4FN (wrong callsign)
14-11	0042	Liberate	30 chr EAM IB7K35 2NPZPROVRZWWXIFYOJZJR4FN
14-11	0044	Liberate	30 chr EAM IBHSRI ZRDHFDEAZTFIMHBNRNNJET47
14-11	0233	Liberate	30 chr EAM IBGNEB BLCG2YBVYHEHK5ZQADNU2PYF
14-11	0444	Liberate	30 chr EAM IBNG6W JANTQF4G4GGF5PZVARNSXT2R
14-11	0500	Liberate	30 chr EAM IBNG6W JANTQF4G4GGF5PZVARNSXT2R
14-11	0529	Liberate	30 chr EAM IBNG6W JANTQF4G4GGF5PZVARNSXT2R
14-11	0532	Liberate	30 chr EAM IBNG6W JANTQF4G4GGF5PZVARNSXT2R
14-11	1516	Liberate	41 chr EAM AH3U4Z QGCKWTTZ3Q47J2CSZHQRBDQ5BV7VJT64HLI
14-11	1535	Liberate	30 chr EAM AHGNTI 2XTU5ABMWKSS2FB3ZSTQ2JD3
14-11	1545	Liberate	30 chr EAM for Prefab AHT3BR SEYJ6PQV5CNND3VDSOALL5NW
14-11	1558	Liberate	30 chr EAM IBXG7V SVBCI2LPZTVPHIFUDGEMVTBX
14-11	1603	Liberate	30 chr EAM IB5674 GG6CBSF3EEC7TGKMQG762PYD
14-11	1622	Liberate	30 chr EAM IBQNJN L6NXPNEU6ZYJIX6WYD2JBQAM
14-11	1802	Liberate	30 chr EAM AHLMBP BA5LDN7RNQVS4BH3ORBSCOZ3
14-11	1804	Liberate	30 chr EAM AHLMBP BA5LDN7RNQVS4BH3ORBSCOZ3
14-11	1933	Liberate	30 chr EAM IBN5KK COUYV6PAGNSBV5JMHN3KZS4U
14-11	2102	Liberate	30 chr EAM IBI4VD 7BHRJCKTZ3LSJPDOXGXDMF7
15-11	0630	Augustine	30 chr EAM IBCS3H QO72BWYRSQ7ZNCWEVJR5QC4P
15-11	0641	Augustine	30 chr EAM IBBEY2 624IFIMZD62P7FFWS23FDVCJ
15-11	1548	Augustine	30 chr EAM for Rent-85 AHLE4L WK55PCJHCTOC5YUZBI6MNXC1
15-11	1552	Augustine	30 chr EAM IBEIBY KWWUU7UMWD6RLHDL32BTOJWA
15-11	1602	Augustine	30 chr EAM IB47QJ VZZARZ3FH2JRM6VUVQG4WI32
15-11	1617	Augustine	30 chr EAM IBNJ2U 6ZYLCWZZX6TDAWCJHK7QPTLD
15-11	2259	Augustine	30 chr EAM IB2IBX 6IP67NEGAQBCKDSLUM6X3LCH
16-11	2337	Good News	30 chr EAM IBQWFK VHWTUXTA43UDUVHGOL4RQCIX
17-11	0119	Polo Game	30 chr EAM AHGPXZ KPEBVZBIWCPW2ZEX4J2LIIQE
17-11	0141	Godparent	30 chr EAM AHGPXZ KPEBVZBIWCPW2ZEX4J2LIIQE
17-11	0726	Godparent	30 chr EAM IBHOHD 2AGVEBTZ27VBUI5TNN7BW3LI

17-11	0741	Godparent	30 chr EAM IB57JV L6V7J33GVLB2QHYNAS4MECZ6
17-11	0750	Godparent	30 chr EAM IBZS3F HEBHUZ2UQUWUFTE5KYN45XPOR
17-11	1237	Godparent	30 chr EAM IB7TBO L5TTPSFLBWWHUPN7YIEKOLNZ
17-11	1543	Godparent	30 chr EAM IBBIQO WLWISU2EP2CE5RZXRJMVXN2A
17-11	1602	Godparent	30 chr EAM IB77J6 F6IR6RWJU43HBQAM6GLPMNOS
17-11	1604	Godparent	30 chr EAM IBBIQO WLWISU2EP2CE5RZXRJMVXN2A
17-11	1633	Godparent	30 chr EAM IB2WR4 J5Q2CNQZW674UDOULLHTYX5F
17-11	1636	Godparent	30 chr EAM IB4HYW 6TPWE7VSUIJKJOJ2XD4S4RXE
18-11	1541	Errand Boy	30 chr EAM for ??-04 BOHE6X N3SKUUVDPJM.3JS7CK6ZLFR
18-11	1620	Errand Boy	30 chr EAM IBF4AC URA2IUJBLI7B245WSQUKEB4
18-11	1933	Errand Boy	30 chr EAM IBGEY4 UXPDDJDZSEOXBKHC2YWZHPRX
18-11	2020	Errand Boy	30 chr EAM IBD6MS XH4UVBKRDPG3S3NI3RBOITS6
18-11	2332	Errand Boy	30 chr EAM IBKTOM JXUKFCCINHS2QQCO7XMEVZF2
19-11	0639	Moon Glow	30 chr EAM IBTJVW EGXYARGE3GZME5YIMO7JVXC
19-11	0642	Moon Glow	30 chr EAM IBAJ64 UNB4QB5FVFOOZJDZUYTWGVE2
19-11	0645	Moon Glow	30 chr EAM IBLBXN HASZCR4LARHJM2UR5IUZW7AJ
20-11	0004	Syllabus	30 chr EAM for Pepper BOT3RU AKKWJBFVZMCTYTDNA3DZZPI4
20-11	0117	Syllabus	30 chr EAM for Pepper BODKH6 AMS5IPDEHPCPYVH2P5MMW22OP
20-11	0558	Syllabus	148 chr EAM EOTS32 AXN3OW6V7UKJ5WC6UCQ2DKL4UNK2U43EI6F6M6R266BI776QQQEDK2YRYGGSOHHCLKYH XXXXSQ3YQAVYK53TH4ZH4O7HTAVLTRV5YXSI42FFFF2UYXBWVVF23BXINURNXRFCRREXC6RY7
20-11	1526	Syllabus	30 chr EAM IB75UT UBSR6G73IYWYF5MU4HCSGARF
20-11	1614	Syllabus	37 chr EAM BOCCNZ SUWUSXH4PH3VDLKVLTLYI7F74NQK7IE
20-11	1643	Syllabus	30 chr EAM BO5IRR 4C5XBQSDBYSAKWREP2KABF7T
20-11	1807	Syllabus	30 chr EAM for Pepper BOGRMY P3YCZ6DMHAWTP7HVHHWQB545
20-11	1813	Syllabus	30 chr EAM for Plush BOZ352 YMSFFCK7W7TZN7V7CH5UIIHL
20-11	1824	Syllabus	59 chr EAM BOQZBV F4OQFTFERXMGYODN7EFDN7MFDN5UAGJ5LO22IZJWMGJ56OP5MQ3TK
20-11	1843	Syllabus	30 chr EAM for Pepper BOXCPB V7DIPMD63V5V7OLJVFYOJEOU
20-11	1854	Syllabus	30 chr EAM for Plush BOCBAV WSJAPONLLV4XGNC3UOSD4Q7H
20-11	1957	Syllabus	30 chr EAM for Pepper BOULFH HYZHDWZFRS6L3A273SYA3BPL
20-11	2042	Syllabus	30 chr EAM IBYNUJ SK7L75LKZRFHVSY63ANYS752
20-11	2333	Syllabus	30 chr EAM IBHFQ2 ZGJ6RYAGZZK6ZXKOM53AWCIX
21-11	0233	Head Game	30 chr EAM IBFIXM YH2R6QEOH36KS3NKOTOMIHULN
21-11	0718	Head Game	30 chr EAM IB6DDL WCHJQW4E4RDCL6QKPDM4QRL3
21-11	1248	Head Game	30 chr EAM for Dodgeball BO33SQ QLIEU4VUOS6TEFXGOZJ5LQRS
21-11	1308	Head Game	30 chr EAM for Dodgeball BO4QDK PJRA6VRCQIPF2HKYQVFQFGA3
21-11	1323	Head Game	30 chr EAM for Dodgeball BOEJBW PVNCKRVIEAN3GCOJV34G72I4
21-11	1343	Head Game	30 chr EAM for Dodgeball BO4KZY D4ICUZUPG6H6HNTJTLGTR27
21-11	1419	Head Game	30 chr EAM for Wavy BOIPEN HXYL4S7W4ZZ7A2DJ7DJEPXGR
21-11	1542	Head Game	30 chr EAM BOKIIS 4Y6GZ3CJPIQPKHMUKBCT2242
21-11	1548	Head Game	30 chr EAM for Auto Light BOSMXX N2C6EQRHMNL3YGK2AYZQZI5I
21-11	1558	Head Game	30 chr EAM IBQAKO YNPQ64FFAAPWD3L2LWLPV3GA
21-11	1602	Head Game	30 chr EAM IBMPAR 7A3JZBA477CL5Y6I5ZVAK7J2
21-11	1625	Head Game	30 chr EAM BOEHCS SVMMAZ2ELGWVQK3VAGFAQH43
21-11	1633	Head Game	30 chr EAM IBN3JP DSPXQ6PA25JKFP6EUYEIQX2B
21-11	1656	Head Game	30 chr EAM IB4IRR U4F6LDDEBAVXNWTKECOFRLP4
21-11	1659	Head Game	30 chr EAM IBPXKN KEHGJDIBULE4HQ4VLWYUS7XJ
21-11	1747	Head Game	30 chr EAM IBUR7I MC3YPF7N4ST4NSVCEACPO2D3
21-11	1800	Head Game	30 chr EAM IB4RZN 5KBICPYSLQMVQL4KVMNTN7BT
21-11	1803	Head Game	30 chr EAM for Wavy BOKSQT AXFGOCMBLKBSPWAW6IEIPUSZ
21-11	1817	Head Game	30 chr EAM IBGZH2 BGLHFXYF3NBLFZC74LPZNFQL
21-11	1823	Head Game	30 chr EAM for Wavy BOQNQH KO3OI3G6AUYA3OSTTYVD6LIM
21-11	1853	Head Game	30 chr EAM for Wavy BOP7TU DVZDBU7U2TUERBYH64ZGKH3U
21-11	2237	Head Game	30 chr EAM IBFDXC 6FUD3YJFYVZLYTMMXKPH4IU6
21-11	2331	Head Game	30 chr EAM IBBFEO 5T4GQGQYKZVWLHWBOBNH7UVY
22-11	1527	Church Man	30 chr EAM for Region Alpha BOCVT7 5SAOZHGA7HTZH7ESWAGEG5FF
22-11	1604	Church Man	30 chr EAM IBWCDW IVFL7Y2ORUBK2GVN3U4TUZHK
22-11	1609	Church Man	30 chr EAM IBQYWH OHJYWB4P6L44XGVIQ43RZ6XG

22-11	1623	Church Man	30 chr EAM BOJKL7 UI3GJBHXRQCCOPR2EYILMJHG
22-11	1634	Church Man	30 chr EAM IBFC7W BMGX3TEK6MTNX2NTIDSZTINX
22-11	1643	Church Man	30 chr EAM IBXXFY FQLXYEGZHG4SHROMM7CMW0A3
22-11	1649	Church Man	30 chr EAM IBQG4I W7FYXAVTQASMVQSE4XDLZS3K
22-11	1719	Church Man	37 chr EAM BOQW4H CCKD6HAYSAHIW7NWYPGXVSLFMOAGRBU
22-11	2217	Church Man	30 chr EAM IBYSBX EZLIQTEZZK3SQGXOXLQOHIYS
23-11	0434	Camera Man	30 chr EAM IBATSL 6QWG7RYDOLA2ED3LAG2UVQ5R
23-11	0736	Camera Man	54 chr EAM BOUMQG IMP6RPTNGDK6W2F3QL2VI22NXSSSVHL2DVUBBBBBFSF6B6BV3
23-11	1803	Camera Man	30 chr EAM IBYCQI HC3KOGW3AJ2DMH2SQNTVI6H4
23-11	2339	Camera Man	30 chr EAM IBPV3I FK45FL4ZD7VPO6BNPJ35NXJG
24-11	1531	Bad Blood	30 chr EAM for Droid-40 BOOONQ AQIE7NTI2AQLNIGNIQMJXUGU
24-11	1600	Bad Blood	30 chr EAM IBFRO2 W2GYR7JUTRSJE24VYAESC0DI
24-11	1603	Bad Blood	30 chr EAM IBYTVJ 3NLNTEA43YW7F7G5FETCXYP
24-11	1617	Bad Blood	30 chr EAM IBIGLV VF33OZURQGCQS47BCEDHG7RA
24-11	1623	Bad Blood	30 chr EAM IBFG32 Q6SIAOT3OGLQCZ6IH3WCPTJO
24-11	1632	Bad Blood	30 chr EAM IBZNGB 3UXFVVQAOYSKZSJSJG46UXQ73
24-11	1635	Bad Blood	30 chr EAM IBFG32 Q6SIAOT3OGLQCZ6IH3WCPTJO
24-11	1640	Bad Blood	30 chr EAM IBFG32 Q6SIAOT3OGLQCZ6IH3WCPTJO
24-11	1645	Bad Blood	30 chr EAM IBFG32 Q6SIAOT3OGLQCZ6IH3WCPTJO
24-11	1647	Bad Blood	30 chr EAM IBIGLV VF33OZURQGCQS47BCEDHG7RA
24-11	1649	Bad Blood	30 chr EAM IBFRO2 W2GYR7JUTRSJE24VYAESC0DI
24-11	2233	Bad Blood	30 chr EAM IBELRL RLX6A73NVCGN6GKP5227XFEZ
25-11	0217	Leverage	30 chr EAM IBFYXG QFZRELDZ2DXI5HFIQRWNLJCX
25-11	1522	Leverage	30 chr EAM IBOA74 NBFDL6A7QCT2JORG3UP7DGNT
25-11	1530	Leverage	30 chr EAM IBOA74 NBFDL6A7QCT2JORG3UP7DGNT
25-11	1535	Leverage	30 chr EAM for Alice-46? BOASHF 57ULNPLZQJKR5CKHGDG76YI4U
25-11	1559	Leverage	30 chr EAM IBWQRC FNGP2VHM06EGRGGIU4RHZQSY
25-11	1602	Leverage	30 chr EAM IBUWP4 AQ2GSHI736VIBW6WYYUN74MB
25-11	1605	Leverage	30 chr EAM IBWQRC FNGP2VHM06EGRGGIU4RHZQSY
25-11	1607	Leverage	30 chr EAM IBOA74 NBFDL6A7QCT2JORG3UP7DGNT
25-11	1621	Leverage	30 chr EAM IBYXWH ZYCKKAAMW4DNKLE3IG5SHRQN
25-11	1624	Leverage	30 chr EAM IBKLKE H4D7VIVHXUYMMBIERIQVBI63
25-11	2333	Leverage	30 chr EAM IBJ6HI BWHDYAU4DWJKL2E56CX73JSV
26-11	0553	Nose Cone	30 chr EAM IBIX3P TLFWEHZQJJW43ZV5LWO3RPJV
26-11	0709	Nose Cone	30 chr EAM IBCQ3C FEQ7DLWQTKV6TW5EUXEXODZF
26-11	1743	Nose Cone	66 chr EAM BOFMVK 73SCXJRFSC2EAS73DEI73DF74YZ7OAWZ2CT34YZWOUUYEYZV34YZHOBVAZCHX
26-11	2127	Nose Cone	30 chr EAM IBIQDG 4NEV32TELOZ454UVW4RL6PTW
26-11	2240	Nose Cone	30 chr EAM IBKEZO CQKADMMGD3U3QMPYRT4NOWR
26-11	2333	Nose Cone	30 chr EAM IBKMHD JOSLQWZZUVNQ67XZH7GRHMFZ
26-11	2337	Nose Cone	30 chr EAM IBKMHD JOSLQWZZUVNQ67XZH7GRHMFZ
27-11	0043	Excellent	30 chr EAM for Region Bravo, for Region Charlie BO4RR4 E5TDTJG4QDDU3ZCZHVP5BG35
27-11	0056	Excellent	30 chr EAM BO73PH XSEXMYJE72ATKAR6YCTAEDT
27-11	0117	Excellent	30 chr EAM IB5UKA VHXPVF2WY7BYV6VXVNEPVRVYQ
27-11	0730	Excellent	30 chr EAM IBVZJC X4AX7AQ2EOLBTQ35S3MGCEJL
27-11	1446	Excellent	30 chr EAM for Fetch-58 BOG7UH ET4NG5QDRFJVP5PHZMHQBIX
27-11	1516	Excellent	30 chr EAM IBBKOD NMQKBCEK4BLTMYMXYZFNRBKX
27-11	1541	Excellent	30 chr EAM IBIHWB 7QPWLU2EWYJLR7CCWJTFHW3
27-11	1559	Excellent	30 chr EAM IBUMKT EHRH4WBVEUHCJY4YRTURZMEK
27-11	1611	Excellent	30 chr EAM IBDUTQ 4Z74P6O3EPHKGNUZLAIKVTPJ
27-11	1614	Excellent	30 chr EAM IBQK7R BTBGYL7WSTAB6E7TNW6DB2QL
27-11	1617	Excellent	30 chr EAM IBJERS JDPHOUK3273KPALSKADNH4LU
27-11	1833	Excellent	30 chr EAM IBZOJA DGBK2FZOJAQJUZEDVUVMK3FY
28-11	1525	Big Shop	30 chr EAM OR2GP5 KOXBPCTEEPZZSSBE4DRKPJI
28-11	1542	Big Shop	30 chr EAM ORYCGZ GHNMBKOK6LOG3GBO2YISWEJK
28-11	1557	Big Shop	30 chr EAM OR22D3 YFL2NPPIIKVC5D46266DUJOT
28-11	1600	Big Shop	30 chr EAM OR7CTN QXEAB7FIJMBFQY2ZKPZLUYV
28-11	1621	Big Shop	30 chr EAM ORHKKQ O3UJWPKI4IQ4MEENTESZMABI

28-11	1624	Big Shop	30 chr EAM ORNK26 PSPC2LQNQEM2NGRTSLXS66OH
29-11	0735	Acquaint	30 chr EAM ORIEY5 D56CJAPTWB6VH77VRHYNSHIC
29-11	1936	Acquaint	30 chr EAM ORY2F4 7TZOXEHLZA3YRC24Q4WBY2C
29-11	2227	Acquaint	30 chr EAM ORGGMZ PQA2J4D3COAZS4GJ3AT64UZA
29-11	2230	Acquaint	30 chr EAM OR3VK3 3LPNYTRZO2UEF7LZBVF72D35
29-11	2232	Acquaint	30 chr EAM ORCMFZ 6D3XS7OD4ED2V2RO5OYBHJNT
29-11	2246	Acquaint	30 chr EAM ORLYOF EMRNFHXSFLYLFTHNUOXTQOSEJ
29-11	2248	Acquaint	30 chr EAM ORQSWH N6D7O6VLS7GRXUZLNXFU6ZNX
30-11	1509	Civilian	30 chr EAM ORN2WU QXVS7L7G6RUIYMEGDKCXJ6O4
30-11	1530	Civilian	30 chr EAM ORN2WU QXVS7L7G6RUIYMEGDKCXJ6O4
30-11	1606	Civilian	30 chr EAM ORURV2 SA7IVGSLHXEFLEMJRQ7G43D3
30-11	1635	Civilian	30 chr EAM OR3GBW 3OVZ2SUQJ5UZLWMKKHLCKWIT
30-11	2133	Civilian	30 chr EAM ORBJ4H SOAKU6WNLJP6KC42OKHQSMJW
30-11	2332	Civilian	30 chr EAM ORRHKM EGBBUCKWCD2DKJRNNSW7B2VO

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by AB, JP, F5JBR, WP3, Gwr

Strategic messages

6087.5 kHz, 14-11, 1341 UTC	XXX XXX 1QRF 1QRF 90576 STEPOFETR 4519 6242 TOKSOPLAZM 5514 3540 K
6087.5 kHz, 14-11, 1402 UTC	XXX XXX 1QRF 1QRF 58685 TITROGROB 6337 4120 GUAMOTAU 6290 7511 K
5373 kHz, 27-11, 1230 UTC	XXX XXX ONG4 ONG4 37978 NEMIRNYJ 5367 4363 ZAIROBOB 4363 1276 K
5373 kHz, 29-11, 1120 UTC	XXX XXX ONG4 ONG4 39596 GITOSHKT 3284 6206 K

Monolith Stations

S30 Pip – Southern District

5448 kHz, 14-11, 1133 UTC	8S1Shch 96602 KRUTIL'ShchICA 8711 7584
5448 kHz, 14-11, 1347 UTC	8S1Shch 92457 VOGUL'SKIJ 3521 8765 BINTOZUYeK 4583 7955
5448 kHz, 27-11, 1130 UTC	VYZ' 78062 MAYaKOSPAS 1145 1348 (intentional misreading of regular Pip callsign V'Z' / Bb3b) http://priyom.org/media/236890/s30-5448usb-20191127-1130z-msg-bygwraspe.ogg
5448 kHz, 27-11, 1135 UTC	TZUM 63040 ASSOPLYaS 9028 6564 intentional misreading of regular Pip callsign TZLM/ T3ЛM) http://priyom.org/media/236893/s30-5448usb-20191127-1135z-msg-bygwraspe.ogg
5448 kHz, 29-11, 1008 UTC	clg 7VNSHch, Zh7NZh, YMA5, VTH3, AGDT, 'U1B, OSOG, BO6C, F56Shch, 9GSA for radio check
5448 kHz, 29-11, 1054 UTC	8S1Shch 30954 ZOOPARK 0244 0612
5448 kHz, 29-11, 1102 UTC	V2Shz 92129 BAZOMAK 5139 8014 (intentional misreading of V2MZ callsign)
5448 kHz, 29-11, 1103 UTC	NLCI 20184 ZAIROGRUZ 9979 1566 (intentional misreading of NLCYe callsign)
5448 kHz, 29-11, 1112 UTC	8S1Shch 14019 LOMOZUDA 7821 6619 ZUBOVA 3954 0678
3756 kHz, 29-11, 1521 UTC	clg ZhBZU, 4RVZ, 3VS', DKJ1, ZhD9V, 42BV, 81BR, M7KS, PMV5, L'GJ, KZI' for radio check (11 callsigns asked for report rather than usual 10)

S32 Squeaky Wheel – Southern District

5473 kHz, 14-11, 1138 UTC	Al'fa-45 16743 DAROZhON 0541 3905
5473 kHz, 14-11, 1354 UTC	Al'fa-45 31277 ZUBOSKAL 0419 5770
5473 kHz, 27-11, 1227 UTC	Al'fa-45 18471 NARYaDNYJ 3130 9072
5473 kHz, 29-11, 1117 UTC	Al'fa-45 90560 DUShOZhOH 7320 8693

Vega-33 / N'ZhJ – Southern District

5372 kHz, 14-11, 1209 UTC	N'ZhJ 33427 YeROKAYuK 7689 1267
5372 kHz, 29-11, 1131 UTC	N'ZhJ 44798 BOGOUgODNYJ 8940 2153

5373 kHz, 26-11, 1354 UTC Piknoz-79 17227 ShURIN 1439
1 kHz up from Vega-33. Message read in an old school manner. Usually a CW frequency
http://priyom.org/media/236873/5373u_monolit.ogg

RMv/RNv/RNAv/RAv - Russian military voice transmissions

RMv – Russian Military

4090 kHz, 02-11, 0639 UTC SOKOT-2 wkg VASAT-77 PEGAZ-62 VERON-67 (comms checks)

4800 kHz, 10-11, 0800 UTC MAJOR-97 clg BORAH-74 APPORT58 (comms Checks)

RADv – Russian Air Defense

3950 kHz, 03-11, 0904 UTC Tracking data (Russian Voice)

M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)

8627 kHz, 05-11, 0944 UTC, i.p. Russian Navy Kaliningrad

REO REO REO DE RMP RMP

QTC 352 27 5 1209 352 = 11111 70719 88673 16939 70843 59240 42349 69341 93369 96120 09170 92565 44969 43887 67903
82163 8402 II II 67903 82163 84034 32828 09952 71913 92832 12570 30480 57322 55353 41926 05026 =

REO REO REO DE RMP RMP

QTC 352 27 5 1209 352 = 11111 70719 88673 16939 70843 59240 42349 69341 93369 96120 09170 92565 44969 43887 67903
82163 84034 32828 09952 71913 09952 71913 92832 12570 30480 57322 55353 41926 05026 AR

8627 kHz, 05-11, 1000 UTC Russian Navy Kaliningrad

REO REO REO DE RMP RMP II II REO REO REO DE RMP RMP

QTC 129 22 5 1213 129 = 11111 40736 13904 38887 33158 22013 22735 65910 04230 45793 82283 12137 26046 50237 73021
27717 49401 42465 31270 78887 2 II II 31270 78887 34451 05021 =

REO REO REO DE RMP RMP

QTC 129 22 5 1213 129 = 11111 40836 138 II II II 11111 40836 13904 38887 33158 22013 22735 65910 04230 45793 82283
12137 26046 50237 73021 27717 49401 42465 31270 78887 34451 05021 AR

8627 kHz, 05-11, 1020 UTC, Russian Navy Kaliningrad

REO REO REO DE RP II II REO REO REO DE RMP RMP

QTC 752 10 5 1215 752 = 11111 86008 67852 83159 81447 32251 07129 52713 33564 05009 =

REO REO REO DE RMP RMP

QTC 752 10 5 1215 752 = 11111 86008 67852 83159 81447 32251 07129 52713 33564 05009 AR

REO REO REO DE RMP RMP

QTC 839 10 5 1216 839 = 11111 47388 62719 12300 75195 27242 58600 67614 33931 05009 =

REO REO REO DE RP II II REO REO REO DE RMP RMP

QTC 839 10 5 1216 839 = 11111 47388 62719 12300 75195 27242 57 II II 75195 27242 58600 67614 33931 05009 AR

4244 kHz, 07-11, 1211 UTC, i.p.

RCC de RJP42 QSA ? K

RJP42 257 14 7 1502 257 =

FM RJP42 FOR RJH45 RWS38 =

07121 99469 11521 41/97 91003 10080 40040 5705. 72122 8//// 2220. =

AR RJP42 K

RJP42 OK QRU K

4472 kHz, 03-11, 0926 UTC. RBHM wkg RJD69

QTC SML 403 17 3 1210 403 = SML FOR RJH45 RJD38 REG98 =

03061 99548 10195 41497 72108 10080 49935 54000 70222 87611 22200 00120 20402 03013 = AR RBHM K

Location: <https://goo.gl/maps/AW8kq6Bs51dsR2av8>)

3351 kHz, 08-11, 0906 UTC. RJP91 wkg RCC

QTC SML 117 13 8 1205 117 = FM RJP91 FOR RJH48 RJE60 =

08091 99459 11522 41598 22906 10050 40050 52040 70222 82211 22261 = AR RJP91 K

Location <https://goo.gl/maps/EmCtFHVrk4TmTZvQ6>)

3351 10-11, 0915 UTC. RJP91 wkg RCC

QTC SML RJP91 045 14 10 1210 045 =

FM RJP91 FOR RJH48 RJE60 =

10091 99574 11543 41798 52307 10330 40030 57000 72311 85230 22212 20520 = AR RJP91 K

Location: <https://goo.gl/maps/xg8D4X4ZhYCYAMet7>)

3351 kHz, 10-11, 1510 UTC. RJP91 wkg RCC

QTC SML FM RJP91 FOR RJH48 RJE60 =

10091 99574 11543 41797 52309 10030 40030 56000 72272 85300 23212 20706 = AR RJP91 K

Location: <https://goo.gl/maps/xg8D4X4ZhYCYAMet7>)

4244 kHz, 11-11, 0922 UTC. RJB22 wkg RCC. QSX on 3351 kHz

QTC SML 114 14 11 1200 114 =

FM RJB22 FOR RJH45 RJH48 RJE60 =

11091 99528 11593 42/98 90010 11030 41030 54000 22200 00100 = AR RJB22

M32b - Russian Naval Aviation (Aviatsiya Voennno-morskogo Flota Rossii)

8816 kHz, 18-11, 1114 UTC

RJC38 RJF94 DE 30682 QTO 1105 QRD XLDR XLMD QRE 1305 QBD 0500 K

QTH 16977 13771 QTR 1135 QBD 0430 QBG 5800 K

QTH 17060 14290 QTR 1205 QBD 0400 QRE XLDR 1300 K

QTH 17123 14857 QTR 1235 QBD 0330 K

QQM XLDR 1304 SK

8816 kHz, 18-11, 1129 UTC

RJF94 RJC38 DE 45941 QTO 1115 QRD XUMU XLMD QBD 0430 QRE 1315 K

QTH 16032 13720 QTR 1235 QBG 8850 QRE XUMU 1330 K

QQM XUMU 1323 SK

8816 kHz, 27-11, 0755 UTC

RJC38 RJF94 DE 30681 QTH 16117 13700 QTR 0752 QBD 0300 K

QAY XUED 0848 QBD 0300 QBG 5500 QRE XUMB 0930 K

QQM XUMB 0935 SK

8816 kHz, 27-11, 1040 UTC

RJC38 RJF94 DE 30681 QTO 1030 QRD XRKA XUMB QRE 1410 QBD 0500 K

QTH 15223 13855 QTR 1133 QBD 0400 QBG 5800 K

QAY XRR1 1234 QBD 0300 K

QAY XRRC 1326 QBD 0200 QRE XRKA 1420 K

QQM XRKA 1415 SK

8816 kHz, 27-11, 1255 UTC

RJF94 RJC38 DE 45941 QTO 1237 QRD XLLV XLMD QBD 0430 QRE 1407 K

QQM XLLV 1413 SK

LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	4182	1-11	1652	Fri	Dash channel marker	USB	(AB)
---	4770	1-11	1656	Fri	Alarm channel marker	USB	(AB)
---	3510	1-11	1657	Fri	Air Horn channel marker	USB	(AB)
---	3240	1-11	1658	Fri	D channel marker	USB	(AB)
---	4392	14-11	1043	Thu	North Korean military i.p. VVV CZP CZP CZP DE ZZK ZZK QRU 5879 5879 SK SK TT	CW	(JPL-RUS)
---	4930	14-11	1048	Thu	North Korean military i.p. VVV ZZK ZZK ZZK DE HRF HRF QRU ... SK SK ..	CW	(JPL-RUS)
---	5372	14-11	1209	Thu	N'ZhJ 33427 YeROKAYuK 7689 1267	USB	(Gwr)
---	7050	18-11	0710	Mon	Russian-Ukrainian propaganda war	LSB	(AB)
---	5373	26-11	1354	Tue	Piknoz-79 17227 ShURIN 1439	USB	(Gwr)
---	7050	29-11	0813	Fri	Russian-Ukrainian propaganda war	LSB	(AB)
---	5372	29-11	1131	Fri	N'ZhJ 44798 BOGOU GODNYJ 8940 2153	USB	(Gwr)
DPRK	11164	4-11	1200	Mon	North Korean dipol i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11175	4-11	1200	Mon	North Korean dipol i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11164	8-11	0748	Fri	North Korean dipol i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11175	8-11	0748	Fri	North Korean dipol i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12200	12-11	0709	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12104	12-11	0835	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12200	19-11	0808	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14650	20-11	0811	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13415	25-11	0813	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14115	25-11	1218	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12104	26-11	0846	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13442	28-11	1318	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	15820	29-11	0701	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB-KWT)
DPRK	13415	29-11	0811	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	4836	7-11	1940	Thu	111 111 111 00000	USB	(AB)
E06	4836	7-11	1942	Thu	111 111 111 00000	USB	(AB)
E06	4836	7-11	1943	Thu	111 111 111 00000	USB	(AB)
E06	4836	7-11	2015	Thu	111 111	USB	(AB)
E06	4836	7-11	2030	Thu	321-935/40=48153	USB	(HFD)
E06	4836	7-11	2030	Thu	321 935 40 48153 45743 79677 ... 23682 23392 23328 935 40 00000	USB	(AB)
E06	18285	8-11	0600	Fri	507 498 61 49146 77263 58910 ... 38273 86087 40434 498 61 00000	USB	(AB-FIN)
E06	20140	8-11	0700	Fri	507 498 61 49146 77263 58910 ... 38273 86087 40434 498 61 00000	USB	(AB-RUS)
E06	4760	8-11	2130	Fri	472 935 40 48153 45743 79677 ... 23682 23392 23328 935 40 00000	USB	(AB/HFD)
E06	18285	21-11	0600	Thu	507 834 62 50237 95324 88155 ... 63901 93207 62957 834 62 00000	USB	(AB-RUS)
E06	20140	21-11	0700	Thu	507 834 62 50237 95324 88155 ... 63901 93207 62957 834 62 00000	USB	(AB-RUS)

E06	4836	21-11	2012	Thu	111 111	USB	(AB)
E06	4836	21-11	2030	Thu	321 134 57 69834 91020 28974 ... 72813 26743 84732 134 56 00000 Windows shut down sound	USB	(AB)
E06	18285	22-11	0600	Fri	507 834 62 50237 95324 88155 ... 63901 93207 62957 834 62 00000	USB	(AB-RUS)
E06	20140	22-11	0700	Fri	507 834 62 50237 95324 88155 ... 63901 93207 62957 834 62 00000	USB	(AB-RUS)
E06	4760	22-11	2130	Fri	472 134 57 69834 91020 28974 ... 72813 26743 84732 134 57 00000 Windows shut down sound	USB	(AB)
E07	15823	1-11	0700	Fri	836 836 836 000	USB	(AB)
E07	16323	1-11	0720	Fri	836 836 836 000	USB	(AB)
E07	14844	1-11	1100	Fri	835 835 835 1 302 66 302 66 93706 17392 02018 ... 46136 11381 80332 000 000	USB	(AB/MPJ/HFD)
E07	13384	1-11	1120	Fri	835 835 835 1 302 66 302 66 93706 17392 02018 ... 46136 11381 80332 000 000	USB	(AB/MPJ/HFD)
E07	11584	1-11	1140	Fri	835 835 835 1 302 66 302 66 93706 17392 02018 ... 46136 11381 80332 000 000	USB	(AB/MPJ/HFD)
E07	10112	2-11	0700	Sat	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/HFD)
E07	10112	2-11	0700	Sat	111 1-736/79=61485	USB	(HFD)
E07	11112	2-11	0720	Sat	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/HFD)
E07	12112	2-11	0740	Sat	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/HFD)
E07	10112	2-11	1400	Sat	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/MPJ/HFD)
E07	11574	2-11	1410	Sat	327 327 327 000	USB	(AB/MPJ/HFD)
E07	11112	2-11	1420	Sat	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/MPJ/HFD)
E07	10274	2-11	1430	Sat	327 327 327 000	USB	(AB/MPJ/HFD)
E07	12112	2-11	1440	Sat	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/MPJ/HFD)
E07	10112	3-11	0700	Sun	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB)
E07	11112	3-11	0720	Sun	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB)
E07	12112	3-11	0740	Sun	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB)
E07	10112	3-11	1400	Sun	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/MPJ)
E07	11112	3-11	1420	Sun	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/MPJ)
E07	12112	3-11	1440	Sun	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/MPJ/HFD)
E07	7582	3-11	1800	Sun	571 571 571 1 273 216 273 216 03277 89416 64858 ... 79772 84843 71073 000 000	USB	(AB-FIN/MPJ/HFD)
E07	6782	3-11	1829	Sun	571 571 571 1 273 216 273 216 03277 89416 64858 ... 79772 84843 71073 000 000	USB	(AB/MPJ/HFD)
E07	5182	3-11	1858	Sun	571 571 571 1 273 216 273 216 03277 89416 64858 ... 79772 84843 71073 000 000	USB	(AB/MPJ)
E07	7616	4-11	2000	Mon	682 682 682 1 729 130 729 130 61135 93522 58663 ... 51061 96365 62839 000 000	USB	(AB/MPJ/HFD)
E07	6816	4-11	2020	Mon	682 682 682 1 729 130 729 130 61135 93522 58663 ... 51061 96365 62839 000 000	USB	(AB/MPJ/HFD)
E07	5216	4-11	2040	Mon	682 682 682 1 729 130 729 130 61135 93522 58663 ... 51061 96365 62839 000 000	USB	(AB/MPJ/HFD)
E07	15823	5-11	0700	Tue	836 836 836 1 7017 98 7017 98 15641 06608 04258 ... 87659 51885 96562 000 000	USB	(AB-G/HFD)
E07	16323	5-11	0720	Tue	836 836 836 1 7017 98 7017 98 15641 06608 04258 ... 87659 51885 96562 000 000	USB	(AB-G/HFD)
E07	18623	5-11	0740	Tue	836 836 836 1 7017 98 7017 98 15641 06608 04258 ... 87659 51885 96562 000 000	USB	(AB-G/HFD)
E07	14884	5-11	1100	Tue	835 835 835 1 302 66 302 66 93706 17392 02018 ... 46136 11381 80332 000 000	USB	(AB/MPJ)
E07	13384	5-11	1120	Tue	835 835 835 1 302 66 302 66 93706 17392 02018 ... 46136 11381 80332 000 000	USB	(AB/MPJ)
E07	11584	5-11	1140	Tue	835 835 835 1 302 66 302 66 93706 17392 02018 ... 46136 11381 80332 000 000	USB	(AB/MPJ)
E07	7582	6-11	1800	Wed	571 571 571 1 273 216 273 216 03277 89416 64858 ... 79772 84843 71073 000 000	USB	(AB-FIN/MPJ)
E07	6782	6-11	1829	Wed	571 571 571 1 273 216 273 216 03277 89416 64858 ... 79772 84843 71073 000 000	USB	(AB/MPJ)
E07	5182	6-11	1858	Wed	571 571 571 1 273 216 273 216 03277 89416 64858 ... 79772 84843 71073 000 000	USB	(AB/MPJ)

E07	7616	6-11	2000	Wed	682 682 682 1 729 130 729 130 61135 93522 58663 ... 51061 96365 62839 000 000	USB	(AB/MPJ)
E07	6816	6-11	2020	Wed	682 682 682 1 729 130 729 130 61135 93522 58663 ... 51061 96365 62839 000 000	USB	(AB/MPJ)
E07	5216	6-11	2040	Wed	682 682 682 1 729 130 729 130 61135 93522 58663 ... 51061 96365 62839 000 000	USB	(AB/MPJ)
E07	11574	7-11	1410	Thu	327 327 327 000	USB	(AB/MPJ)
E07	10274	7-11	1430	Thu	327 327 327 000	USB	(AB/MPJ)
E07	15823	8-11	0700	Fri	836 836 836 1 7017 98 7017 98 15641 06608 04258 ... 87659 51885 96562 000 000	USB	(AB)
E07	16323	8-11	0720	Fri	836 836 836 1 7017 98 7017 98 15641 06608 04258 ... 87659 51885 96562 000 000	USB	(AB)
E07	18623	8-11	0740	Fri	836 836 836 1 7017 98 7017 98 15641 06608 04258 ... 87659 51885 96562 000 000	USB	(AB-G)
E07	14844	8-11	1100	Fri	835 835 835 1 302 66 302 66 93706 17392 02018 ... 46136 11381 80332 000 000	USB	(AB)
E07	13384	8-11	1120	Fri	835 835 835 1 302 66 302 66 93706 17392 02018 ... 46136 11381 80332 000 000	USB	(AB)
E07	11584	8-11	1140	Fri	835 835 835 1 302 66 302 66 93706 17392 02018 ... 46136 11381 80332 000 000	USB	(AB/GHn)
E07	10112	9-11	0700	Sat	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB)
E07	11112	9-11	0720	Sat	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB)
E07	12112	9-11	0740	Sat	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB)
E07	10112	9-11	1400	Sat	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/MPJ)
E07	11574	9-11	1410	Sat	327 327 327 000	USB	(AB/MPJ)
E07	11112	9-11	1420	Sat	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/MPJ)
E07	10274	9-11	1430	Sat	327 327 327 000	USB	(AB/MPJ)
E07	12112	9-11	1440	Sat	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/MPJ)
E07	10112	10-11	0700	Sun	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB)
E07	11112	10-11	0720	Sun	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB)
E07	12112	10-11	0740	Sun	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB)
E07	10112	10-11	1400	Sun	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/MPJ)
E07	11112	10-11	1420	Sun	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/MPJ)
E07	12112	10-11	1440	Sun	111 111 111 1 736 79 736 79 61485 92428 10426 ... 07882 31611 33807 000 000	USB	(AB/MPJ)
E07	7582	10-11	1800	Sun	571 571 571 1 273 216 273 216 03277 89416 64858 ... 79772 84843 71073 000 000	USB	(AB-FIN/MPJ)
E07	6782	10-11	1829	Sun	571 571 571 1 273 216 273 216 03277 89416 64858 ... 79772 84843 71073 000 000	USB	(AB/MPJ)
E07	5182	10-11	1858	Sun	571 571 571 1 273 216 273 216 03277 89416 64858 ... 79772 84843 71073 000 000	USB	(AB/MPJ)
E07	7616	11-11	2000	Mon	682 682 682 1 729 130 729 130 61135 93522 58663 ... 51061 96365 62839 000 000	USB	(AB/MPJ)
E07	6816	11-11	2020	Mon	682 682 682 1 729 130 729 130 61135 93522 58663 ... 51061 96365 62839 000 000	USB	(AB/MPJ)
E07	5216	11-11	2040	Mon	682 682 682 1 729 130 729 130 61135 93522 58663 ... 51061 96365 62839 000 000	USB	(AB/MPJ)
E07	15823	12-11	0700	Tue	836 836 836 000	USB	(AB-G)
E07	16323	12-11	0720	Tue	836 836 836 000	USB	(AB-G)
E07	14884	12-11	1100	Tue	835 835 835 1 698 74 698 74 83224 60980 91465 ... 04077 69144 88669 000 000	USB	(AB/MPJ)
E07	13384	12-11	1120	Tue	835 835 835 1 698 74 698 74 83224 60980 91465 ... 04077 69144 88669 000 000	USB	(AB/MPJ)
E07	11584	12-11	1140	Tue	835 835 835 1 698 74 698 74 83224 60980 91465 ... 04077 69144 88669 000 000	USB	(AB/MPJ)
E07	7582	13-11	1800	Wed	571 571 571 1 273 216 273 216 03277 89416 64858 ... 79772 84843 71073 000 000	USB	(AB-FIN/MPJ)
E07	6782	13-11	1831	Wed	571 571 571 1 273 216 273 216 03277 89416 64858 ... 79772 84843 71073 000 000	USB	(AB/MPJ)
E07	5182	13-11	1900	Wed	571 571 571 1 273 216 273 216 03277 89416 64858 ... 79772 84843 71073 000 000	USB	(AB/MPJ)
E07	7616	13-11	2000	Wed	682 682 682 1 729 130 729 130 61135 93522 58663 ... 51061 96365 62839 000 000	USB	(AB)

E07	6816	13-11	2020	Wed	682 682 682 1 729 130 729 130 61135 93522 58663 ... 51061 96365 62839 000 000	USB	(AB)
E07	5216	13-11	2040	Wed	682 682 682 1 729 130 729 130 61135 93522 58663 ... 51061 96365 62839 000 000	USB	(AB)
E07	11574	14-11	1410	Thu	327 327 327 000	USB	(AB/MPJ)
E07	10274	14-11	1430	Thu	327 327 327 000	USB	(AB/MPJ)
E07	15823	15-11	0700	Fri	836 836 836 000	USB	(AB)
E07	16323	15-11	0720	Fri	836 836 836 000	USB	(AB)
E07	14884	15-11	1100	Fri	835 835 835 1 698 74 698 74 83224 60980 91465 ... 04077 69144 88669 000 000	USB	(AB)
E07	13384	15-11	1120	Fri	835 835 835 1 698 74 698 74 83224 60980 91465 ... 04077 69144 88669 000 000	USB	(AB)
E07	11584	15-11	1140	Fri	835 835 835 1 698 74 698 74 83224 60980 91465 ... 04077 69144 88669 000 000	USB	(AB)
E07	10112	16-11	0700	Sat	111 111 111 000	USB	(AB)
E07	11112	16-11	0720	Sat	111 111 111 000	USB	(AB)
E07	10112	16-11	1400	Sat	111 111 111 000	USB	(AB/MPJ)
E07	11574	16-11	1410	Sat	327 327 327 000	USB	(MPJ)
E07	11112	16-11	1420	Sat	111 111 111 000	USB	(AB/MPJ)
E07	10274	16-11	1430	Sat	327 327 327 000	USB	(MPJ)
E07	10112	17-11	0700	Sun	111 111 111 000	USB	(AB)
E07	11112	17-11	0720	Sun	111 111 111 000	USB	(AB)
E07	10112	17-11	1400	Sun	111 111 111 000	USB	(AB/MPJ)
E07	11112	17-11	1420	Sun	111 111 111 000	USB	(AB/MPJ)
E07	7582	17-11	1800	Sun	571 571 571 1 532 209 532 209 53800 70204 59817 ... 97862 80725 21423 000 000	USB	(AB-FIN/MPJ)
E07	6782	17-11	1828	Sun	571 571 571 1 532 209 532 209 53800 70204 59817 ... 97862 80725 21423 000 000	USB	(AB/MPJ)
E07	5182	17-11	1856	Sun	571 571 571 1 532 209 532 209 53800 70204 59817 ... 97862 80725 21423 000 000	USB	(AB/MPJ)
E07	7616	18-11	2000	Mon	682 682 682 000	USB	(MPJ)
E07	6816	18-11	2020	Mon	682 682 682 000	USB	(MPJ)
E07	14884	19-11	1100	Tue	835 835 835 1 698 74 698 74 83224 60980 91465 ... 04077 69144 88669 000 000	USB	(AB/FT/MPJ)
E07	13384	19-11	1120	Tue	835 835 835 1 698 74 698 74 83224 60980 91465 ... 04077 69144 88669 000 000	USB	(AB/FT/MPJ)
E07	11584	19-11	1140	Tue	835 835 835 1 698 74 698 74 83224 60980 91465 ... 04077 69144 88669 000 000	USB	(AB/FT/MPJ)
E07	7582	20-11	1800	Wed	571 571 571 1 532 209 532 209 53800 70204 59817 ... 97862 80725 21423 000 000	USB	(AB-FIN)
E07	6782	20-11	1828	Wed	571 571 571 1 532 209 532 209 53800 70204 59817 ... 97862 80725 21423 000 000	USB	(AB)
E07	5182	20-11	1856	Wed	571 571 571 1 532 209 532 209 53800 70204 59817 ... 97862 80725 21423 000 000	USB	(AB)
E07	7616	20-11	2000	Wed	682 682 682 000	USB	(AB/MPJ)
E07	6816	20-11	2020	Wed	682 682 682 000	USB	(AB/MPJ)
E07	11574	21-11	1410	Thu	327 327 327 1 308 34 308 34 74877 00034 76721 ... 39325 71654 70867 000 000	USB	(AB/MPJ)
E07	10274	21-11	1430	Thu	327 327 327 1 308 34 308 34 74877 00034 76721 ... 39325 71654 70867 000 000	USB	(AB/MPJ)
E07	9274	21-11	1450	Thu	327 327 327 1 308 34 308 34 74877 00034 76721 ... 39325 71654 70867 000 000	USB	(AB/MPJ)
E07	15823	22-11	0700	Fri	836 836 836 1 2053 114 2053 67467 33764 04138 ... 38158 80926 89168 000 000	USB	(AB-RUS)
E07	16323	22-11	0720	Fri	836 836 836 1 2053 114 2053 67467 33764 04138 ... 38158 80926 89168 000 000	USB	(AB-FIN)
E07	18623	22-11	0740	Fri	836 836 836 1 2053 114 2053 67467 33764 04138 ... 38158 80926 89168 000 000	USB	(AB-KWT)
E07	14884	22-11	1100	Fri	835 835 835 1 698 74 698 74 83224 60980 91465 ... 04077 69144 88669 000 000	USB	(AB/MPJ)
E07	13384	22-11	1120	Fri	835 835 835 1 698 74 698 74 83224 60980 91465 ... 04077 69144 88669 000 000	USB	(AB/MPJ)

E07	11584	22-11	1140	Fri	835 835 835 1 698 74 698 74 83224 60980 91465 ... 04077 69144 88669 000 000	USB	(AB/MPJ)
E07	10112	23-11	0700	Sat	111 111 111 000	USB	(AB)
E07	11112	23-11	0720	Sat	111 111 111 000	USB	(AB)
E07	10112	23-11	1400	Sat	111 111 111 000	USB	(AB/MPJ)
E07	11574	23-11	1410	Sat	327 327 327 1 308 34 308 34 74877 00034 76721 ... 39325 71654 70867 000 000	USB	(AB/MPJ)
E07	11112	23-11	1420	Sat	111 111 111 000	USB	(AB/MPJ)
E07	10274	23-11	1430	Sat	327 327 327 1 308 34 308 34 74877 00034 76721 ... 39325 71654 70867 000 000	USB	(AB/MPJ)
E07	9274	23-11	1450	Sat	327 327 327 1 308 34 308 34 74877 00034 76721 ... 39325 71654 70867 000 000	USB	(AB/MPJ)
E07	10112	24-11	0700	Sun	111 111 111 000	USB	(AB)
E07	11112	24-11	0720	Sun	111 111 111 000	USB	(AB)
E07	10112	24-11	1400	Sun	111 111 111 000	USB	(AB/MPJ)
E07	11112	24-11	1420	Sun	111 111 111 000	USB	(AB/MPJ)
E07	7582	24-11	1800	Sun	571 571 571 1 532 209 532 209 53800 70204 59817 ... 97862 80725 21423 000 000	USB	(AB/MPJ)
E07	6782	24-11	1828	Sun	571 571 571 1 532 209 532 209 53800 70204 59817 ... 97862 80725 21423 000 000	USB	(AB/MPJ)
E07	5182	24-11	1856	Sun	571 571 571 1 532 209 532 209 53800 70204 59817 ... 97862 80725 21423 000 000	USB	(AB/MPJ)
E07	7616	25-11	2000	Mon	682 682 682 000	USB	(AB/MPJ)
E07	6816	25-11	2020	Mon	682 682 682 000	USB	(AB/MPJ)
E07	15823	26-11	0700	Tue	836 836 836 000	USB	(AB-RUS)
E07	16323	26-11	0720	Tue	836 836 836 000	USB	(AB-FIN)
E07	14884	26-11	1100	Tue	835 835 935 1 2289 177 2289 177 86908 78222 26091 ... 27034 01201 86734 00 000	USB	(AB)
E07	13384	26-11	1120	Tue	835 835 935 1 2289 177 2289 177 86908 78222 26091 ... 27034 01201 86734 00 000	USB	(AB)
E07	11584	26-11	1140	Tue	835 835 935 1 2289 177 2289 177 86908 78222 26091 ... 27034 01201 86734 00 000	USB	(AB/RL)
E07	7582	27-11	1800	Wed	571 571 571 1 532 209 532 209 53800 70204 59817 ... 97862 80725 21423 000 000	USB	(AB/MPJ)
E07	6782	27-11	1828	Wed	571 571 571 1 532 209 532 209 53800 70204 59817 ... 97862 80725 21423 000 000	USB	(AB/MPJ)
E07	5182	27-11	1856	Wed	571 571 571 1 532 209 532 209 53800 70204 59817 ... 97862 80725 21423 000 000	USB	(AB/MPJ)
E07	7616	27-11	2000	Wed	682 682 682 000	USB	(AB/RL)
E07	6816	27-11	2020	Wed	682 682 682 000	USB	(AB/RL)
E07	11574	28-11	1410	Thu	327 327 327 000	USB	(AB/MPJ)
E07	10274	28-11	1430	Thu	327 327 327 000	USB	(AB/MPJ)
E07	15823	29-11	0700	Fri	836 836 836 000	USB	(AB-KWT)
E07	16323	29-11	0720	Fri	836 836 836 000	USB	(AB-KWT)
E07	14884	29-11	1100	Fri	835 835 935 1 2289 177 2289 177 86908 78222 26091 ... 27034 01201 86734 00 000	USB	(AB)
E07	13384	29-11	1120	Fri	835 835 935 1 2289 177 2289 177 86908 78222 26091 ... 27034 01201 86734 00 000	USB	(AB)
E07	11584	29-11	1140	Fri	835 835 935 1 2289 177 2289 177 86908 78222 26091 ... 27034 01201 86734 00 000	USB	(AB)
E07	10112	30-11	0700	Sat	111 111 111 000	USB	(AB)
E07	11112	30-11	0720	Sat	111 111 111 000	USB	(AB)
E07	10112	30-11	1400	Sat	111 111 111 1 822 14 822 14 67853 13786 69092 87289 60192 77454 93037 96338 25303 79834 82683 10819 75920 25830 000 000	USB	(AB/MPJ)
E07	11574	30-11	1410	Sat	327 327 327 000	USB	(AB/MPJ)
E07	11112	30-11	1420	Sat	111 111 111 1 822 14 822 14 67853 13786 69092 87289 60192 77454 93037 96338 25303 79834	USB	(AB/MPJ)

					82683 10819 75920 25830 000 000		
E07	10274	30-11	1430	Sat	327 327 327 000	USB	(AB/MPJ)
E07	12112	30-11	1440	Sat	111 111 111 1 822 14 822 14 67853 13786 69092 87289 60192 77454 93037 96338 25303 79834 82683 10819 75920 25830 000 000	USB	(AB/MPJ)
E07a	8138	1-11	1610	Fri	158 158 158 000	USB	(AB/MPJ/HFD)
E07a	7538	1-11	1630	Fri	158 158 158 000	USB	(AB/MPJ/HFD)
E07a	11553	2-11	0900	Sat	515 515 515 000	USB	(AB)
E07a	12153	2-11	0920	Sat	515 515 515 000	USB	(AB)
E07a	5877	6-11	2100	Wed	825 825 825 000	USB	(AB/HFD)
E07a	5277	6-11	2120	Wed	825 825 825 000	USB	(AB/HFD)
E07a	5111	7-11	0530	Thu	189 189 189 000	USB	(AB/HFD)
E07a	5811	7-11	0550	Thu	189 189 189 000	USB	(AB/HFD)
E07a	8138	8-11	1610	Fri	158 158 158 000	USB	(AB/MPJ)
E07a	7538	8-11	1630	Fri	158 158 158 000	USB	(AB/MPJ)
E07a	11553	9-11	0900	Sat	515 515 515 000	USB	(AB/HFD)
E07a	12153	9-11	0920	Sat	515 515 515 000	USB	(AB/HFD)
E07a	5877	13-11	2100	Wed	825 825 825 000	USB	(AB)
E07a	5277	13-11	2120	Wed	825 825 825 000	USB	(AB)
E07a	5111	14-11	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	14-11	0550	Thu	189 189 189 000	USB	(AB)
E07a	8138	15-11	1610	Fri	158 158 158 000	USB	(AB/MPJ)
E07a	7538	15-11	1630	Fri	158 158 158 000	USB	(AB/GHn/MPJ)
E07a	11553	16-11	0900	Sat	515 515 515 000	USB	(AB)
E07a	12153	16-11	0920	Sat	515 515 515 000	USB	(AB/RL)
E07a	5877	20-11	2100	Wed	825 825 825 000	USB	(AB/RL/HFD)
E07a	5277	20-11	2120	Wed	825 825 825 000	USB	(AB/RL/HFD)
E07a	5111	21-11	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	21-11	0550	Thu	189 189 189 000	USB	(AB)
E07a	8138	22-11	1610	Fri	158 158 158 1 61006 7711 63 7711 63 10685 19843 13129 ... 345228 49956 79881 000 000	USB	(AB/MPJ)
E07a	7538	22-11	1630	Fri	158 158 158 1 61006 7711 63 7711 63 10685 19843 13129 ... 345228 49956 79881 000 000	USB	(AB/MPJ)
E07a	6838	22-11	1650	Fri	158 158 158 1 61006 7711 63 7711 63 10685 19843 13129 ... 345228 49956 79881 000 000	USB	(AB/MPJ)
E07a	11553	23-11	0900	Sat	515 515 515 1 61006 7711 63 7711 63 10685 19843 13129 ... 345228 49956 79881 000 000	USB	(AB)
E07a	12153	23-11	0920	Sat	515 515 515 1 61006 7711 63 7711 63 10685 19843 13129 ... 345228 49956 79881 000 000	USB	(AB)
E07a	13553	23-11	0940	Sat	515 515 515 1 61006 7711 63 7711 63 10685 19843 13129 ... 345228 49956 79881 000 000	USB	(AB/RL)
E07a	5877	27-11	2100	Wed	825 825 825 000	USB	(AB/RL)
E07a	5277	27-11	2120	Wed	825 825 825 000	USB	(AB)
E07a	5111	28-11	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	28-11	0550	Thu	189 189 189 000	USB	(AB)
E07a	8138	29-11	1610	Fri	158 158 158 000	USB	(AB/MPJ)
E07a	7538	29-11	1630	Fri	158 158 158 000	USB	(AB/MPJ)

E07a	11553	30-11	0900	Sat	515 515 515 000	USB	(AB/RL)
E07a	12153	30-11	0920	Sat	515 515 515 000	USB	(AB/RL)
E11	6304	1-11	0700	Fri	575/00	USB	(AB)
E11	9130	1-11	0715	Fri	639/00	USB	(AB/HFD)
E11	17378	1-11	0745	Fri	343/00	USB	(AB/HFD)
E11	5149	1-11	0820	Fri	436/00	USB	(AB/HFD)
E11	8597	1-11	1003	Fri	null message i.p.	USB	(AB)
E11	5082	1-11	1530	Fri	524/00	USB	(AB/HFD)
E11	4505	2-11	0710	Sat	492/00	USB	(AB/HFD)
E11	4909	2-11	0805	Sat	310/00	USB	(AB/HFD)
E11	4505	2-11	1705	Sat	399/00 x9443	USB	(HFD)
E11	4505	2-11	1705	Sat	395/00	USB	(AB/MPJ)
E11	4909	2-11	1930	Sat	360/00	USB	(AB/HFD)
E11	4505	3-11	0710	Sun	498/00	USB	(AB)
E11	4909	3-11	0805	Sun	314/00	USB	(AB)
E11	5344	3-11	1605	Sun	231/00	USB	(HFD)
E11	12924	3-11	1745	Sun	245/00	USB	(AB-POL/MPJ-FIN)
E11	4909	3-11	1930	Sun	366/00	USB	(AB/MPJ)
E11	10213	4-11	0745	Mon	260/00	USB	(AB/HFD)
E11	8597	4-11	0900	Mon	530/00	USB	(AB/HFD)
E11	5082	4-11	1530	Mon	522/00	USB	(AB)
E11	12924	4-11	1745	Mon	247/00	USB	(AB-POL)
E11	7840	5-11	0645	Tue	510/00	USB	(HFD)
E11	7840	5-11	0645	Tue	510/00	USB	(AB/HFD)
E11	6804	5-11	0700	Tue	576/00	USB	(AB/HFD)
E11	9130	5-11	0715	Tue	634/00	USB	(AB/HFD)
E11	14611	5-11	0820	Tue	130/00	USB	(AB-POL)
E11	8597	5-11	1000	Tue	305/00	USB	(AB/HFD)
E11	6433	5-11	1205	Tue	469/00	USB	(AB/HFD)
E11	13363	5-11	1345	Tue	919/00	USB	(AB/MPJ)
E11	5344	5-11	1605	Tue	230/00	USB	(AB/MPJ)
E11	5779	6-11	0315	Wed	253/00	USB	(AB)
E11	17378	6-11	0745	Wed	349/00	USB	(AB)
E11	14611	6-11	0820	Wed	134/00	USB	(AB)
E11	8597	6-11	0900	Wed	538/00	USB	(AB)
E11	7469	6-11	0930	Wed	273/00	USB	(AB)
E11	6433	6-11	1205	Wed	460/00	USB	(MPJ)
E11	5779	7-11	0315	Thu	250/00	USB	(AB)
E11	7840	7-11	0645	Thu	515/00	USB	(AB)
E11	5149	7-11	0820	Thu	431/00	USB	(AB)

E11	7469	7-11	0930	Thu	279/00	USB	(AB/HFD)
E11	5409	7-11	1530	Thu	268/00	USB	(AB/MPJ/HFD)
E11	5779	7-11	1730	Thu	412/00	USB	(AB/MPJ/HFD)
E11	10330	8-11	0600	Fri	182/00	USB	(AB)
E11	6804	8-11	0700	Fri	573/00	USB	(AB)
E11	9130	8-11	0715	Fri	634/00	USB	(AB)
E11	17378	8-11	0745	Fri	342/00	USB	(AB-POL)
E11	5149	8-11	0820	Fri	436/00	USB	(AB)
E11	8597	8-11	1000	Fri	302/00	USB	(AB)
E11	5082	8-11	1530	Fri	528/00	USB	(AB/MPJ)
E11	6849	8-11	1650	Fri	927/00	USB	(AB/MPJ)
E11	10487	8-11	1910	Fri	617/00	USB	(AB-POL/MPJ-FIN/HFD)
E11	13363	9-11	1345	Sat	912/00	USB	(MPJ)
E11	5344	10-11	1605	Sun	232/00	USB	(AB/MPJ)
E11	6849	10-11	1650	Sun	927/00	USB	(AB/MPJ)
E11	12924	10-11	1745	Sun	247/00	USB	(AB-POL/MPJ-FIN/HFD-POL)
E11	10487	10-11	1910	Sun	614/00	USB	(AB-POL/MPJ)
E11	4909	11-11	0450	Mon	412/00	USB	(HFD)
E11	10330	11-11	0600	Mon	180/00	USB	(AB/HFD)
E11	11450	11-11	0640	Mon	944/00	USB	(AB)
E11	8597	11-11	0900	Mon	536/00	USB	(AB)
E11	7984	11-11	1045	Mon	690/00	USB	(AB)
E11	6849	11-11	1900	Mon	640/00	USB	(AB-POL/MPJ)
E11	6804	12-11	0700	Tue	571/00	USB	(AB)
E11	9130	12-11	0715	Tue	630/00	USB	(AB)
E11	12089	12-11	0845	Tue	152/00	USB	(AB)
E11	6433	12-11	1205	Tue	469/00	USB	(AB/MPJ)
E11	13363	12-11	1345	Tue	914/00	USB	(AB)
E11	10800	12-11	1645	Tue	330/00	USB	(HFD)
E11	11450	13-11	0640	Wed	945/00	USB	(AB)
E11	8597	13-11	0900	Wed	534/00	USB	(AB)
E11	7469	13-11	0930	Wed	276/00	USB	(AB)
E11	7984	13-11	1045	Wed	695/00	USB	(AB)
E11	6433	13-11	1205	Wed	462/00	USB	(MPJ)
E11	5082	13-11	1625	Wed	972/00	USB	(AB/MPJ)
E11	4505	13-11	1705	Wed	390/00	USB	(AB/MPJ)
E11	5779	14-11	0315	Thu	256/00	USB	(AB)
E11	5149	14-11	0820	Thu	431/00	USB	(AB)

E11	12089	14-11	0845	Thu	157/00	USB	(AB)
E11	7469	14-11	0930	Thu	271/00	USB	(AB)
E11	5779	14-11	1730	Thu	415/00	USB	(AB-POL/MPJ)
E11	6849	14-11	1900	Thu	643/00	USB	(AB/MPJ)
E11	10330	15-11	0600	Fri	183/00	USB	(AB)
E11	6804	15-11	0700	Fri	570/00	USB	(AB)
E11	9130	15-11	0715	Fri	633/00	USB	(AB)
E11	5149	15-11	0820	Fri	431/00	USB	(AB)
E11	6849	15-11	1650	Fri	921/00	USB	(AB)
E11	10487	15-11	1910	Fri	613/00	USB	(MPJ-HNG)
E11	4505	16-11	0710	Sat	498/00	USB	(AB)
E11	4909	16-11	0805	Sat	313/00	USB	(AB)
E11	13363	16-11	1345	Sat	918/00	USB	(MPJ)
E11	4505	16-11	1705	Sat	399/00	USB	(AB/MPJ)
E11	4909	16-11	1930	Sat	363/00	USB	(AB/MPJ)
E11	4505	17-11	0710	Sun	498/00	USB	(AB)
E11	4909	17-11	0805	Sun	312/00	USB	(AB)
E11	5082	17-11	1625	Sun	970/00	USB	(AB/MPJ)
E11	6849	17-11	1650	Sun	927/00	USB	(AB)
E11	10487	17-11	1910	Sun	612/00	USB	(AB)
E11	4909	17-11	1930	Sun	360/00	USB	(AB/MPJ)
E11	11450	18-11	0640	Mon	948/00	USB	(AB)
E11	10213	18-11	0745	Mon	261/00	USB	(AB)
E11	8597	18-11	0900	Mon	534/00	USB	(AB)
E11	7984	18-11	1045	Mon	698/00	USB	(AB)
E11	5082	18-11	1530	Mon	525/00	USB	(MPJ)
E11	12924	18-11	1745	Mon	249/00	USB	(MPJ-FIN)
E11	6849	18-11	1900	Mon	649/00	USB	(AB/MPJ)
E11	14611	19-11	0820	Tue	135/00	USB	(AB-POL)
E11	12089	19-11	0845	Tue	152/00	USB	(AB)
E11	8597	19-11	1000	Tue	304/00	USB	(AB)
E11	6433	19-11	1205	Tue	464/00	USB	(AB/FT)
E11	13363	19-11	1345	Tue	912/00	USB	(AB/FT/MPJ)
E11	5344	19-11	1605	Tue	234/00	USB	(FT)
E11	11450	20-11	0640	Wed	941/00	USB	(AB)
E11	17378	20-11	0745	Wed	347/00	USB	(AB-POL)
E11	14611	20-11	0820	Wed	132/00	USB	(AB)
E11	8597	20-11	0900	Wed	537/00	USB	(AB)
E11	7984	20-11	1045	Wed	693/00	USB	(AB)
E11	5082	20-11	1625	Wed	975/00	USB	(AB/MPJ)

E11	4505	20-11	1705	Wed	399/00	USB	(AB/MPJ)
E11	7840	21-11	0645	Thu	510/00	USB	(AB)
E11	12089	21-11	0845	Thu	156/00	USB	(AB)
E11	5409	21-11	1530	Thu	260/00	USB	(AB/MPJ)
E11	5779	21-11	1730	Thu	410/00	USB	(AB/MPJ)
E11	6849	21-11	1900	Thu	641/00	USB	(AB/MPJ)
E11	9130	22-11	0715	Fri	636/00	USB	(AB)
E11	17378	22-11	0745	Fri	342/00	USB	(AB-POL)
E11	8597	22-11	1000	Fri	309/00	USB	(AB)
E11	5082	22-11	1530	Fri	528/00	USB	(AB/MPJ)
E11	6849	22-11	1650	Fri	926/00	USB	(MPJ)
E11	10487	22-11	1910	Fri	611/00	USB	(AB-POL/MPJ-POL)
E11	4505	23-11	0710	Sat	491/00	USB	(AB)
E11	4909	23-11	0805	Sat	319/00	USB	(AB)
E11	13363	23-11	1345	Sat	915/00	USB	(MPJ)
E11	4505	23-11	1705	Sat	395/00	USB	(AB/MPJ)
E11	4909	23-11	1930	Sat	366/00	USB	(AB/MPJ)
E11	6280	24-11	0435	Sun	358/00	USB	(HFD)
E11	4505	24-11	0710	Sun	490/00	USB	(AB)
E11	4909	24-11	0805	Sun	319/00	USB	(AB)
E11	5344	24-11	1605	Sun	236/00	USB	(MPJ)
E11	5082	24-11	1625	Sun	975/00	USB	(AB/MPJ)
E11	6849	24-11	1650	Sun	922/00	USB	(AB/MPJ)
E11	12924	24-11	1745	Sun	242/00	USB	(AB/MPJ)
E11	10487	24-11	1910	Sun	613/00	USB	(AB/MPJ)
E11	4909	24-11	1930	Sun	364/00	USB	(AB/MPJ)
E11	10330	25-11	0600	Mon	189/00	USB	(AB)
E11	11450	25-11	0640	Mon	948/00	USB	(AB)
E11	10213	25-11	0745	Mon	267/00	USB	(AB)
E11	7984	25-11	1045	Mon	690/00	USB	(AB)
E11	5082	25-11	1530	Mon	525/00	USB	(AB/MPJ)
E11	12924	25-11	1745	Mon	248/00	USB	(AB-POL/MPJ-POL)
E11	6849	25-11	1900	Mon	640/00	USB	(AB/MPJ)
E11	7840	26-11	0645	Tue	519/00	USB	(AB)
E11	6804	26-11	0700	Tue	579/00	USB	(AB)
E11	14611	26-11	0820	Tue	132/00	USB	(AB-POL)
E11	12089	26-11	0845	Tue	155/00	USB	(AB)
E11	8597	26-11	1000	Tue	302/00	USB	(AB)
E11	5344	26-11	1605	Tue	230/00	USB	(AB/MPJ)
E11	10800	26-11	1645	Tue	332/00	USB	(MPJ-POL)

E11	11450	27-11	0640	Wed	942/00		USB	(AB)
E11	17378	27-11	0745	Wed	344/00		USB	(AB-POL)
E11	7469	27-11	0930	Wed	270/00		USB	(AB)
E11	7984	27-11	1045	Wed	693/00		USB	(AB)
E11	5082	27-11	1625	Wed	972/00		USB	(AB/MPJ)
E11	4505	27-11	1705	Wed	392/00		USB	(AB/MPJ)
E11	5779	28-11	0315	Thu	252/00		USB	(HFD)
E11	7840	28-11	0645	Thu	510/00		USB	(AB)
E11	5149	28-11	0820	Thu	436/00		USB	(AB)
E11	12089	28-11	0845	Thu	159/00		USB	(AB)
E11	7469	28-11	0930	Thu	275/00		USB	(AB)
E11	5409	28-11	1530	Thu	267/00		USB	(AB/MPJ)
E11	10800	28-11	1645	Thu	332/00		USB	(AB)
E11	6849	28-11	1900	Thu	640/00		USB	(AB/MPJ)
E11	10330	29-11	0600	Fri	189/00		USB	(AB)
E11	6804	29-11	0700	Fri	574/00		USB	(AB)
E11	17378	29-11	0745	Fri	343/00		USB	(AB-POL)
E11	5149	29-11	0820	Fri	432/00		USB	(AB)
E11	8597	29-11	1000	Fri	305/00		USB	(AB)
E11	5082	29-11	1530	Fri	521/00		USB	(AB/MPJ)
E11	6849	29-11	1650	Fri	925/00		USB	(AB)
E11	10487	29-11	1910	Fri	611/00		USB	(MPJ-FIN)
E11	4505	30-11	0710	Sat	492/00		USB	(AB)
E11	4909	30-11	0805	Sat	310/00		USB	(AB)
E11	4505	30-11	1705	Sat	396/00		USB	(AB)
E11	4909	30-11	1930	Sat	360/00		USB	(AB/MPJ)
E11a	10487	1-11	1910	Fri	614/39 Attention 26934 48462 26358 ... 43626 32165 23233 Attention (message repeated) Out		USB	(AB-FIN/MPJ)
E11a	6849	3-11	1650	Sun	920/37 Attention 12075 25336 19855 ... 65060 12152 46700 Attention (message repeated) Out		USB	(AB/MPJ/HFD)
E11a	10487	3-11	1910	Sun	614/39 Attention 26934 48462 26358 ... 43626 32165 23233 Attention (message repeated) Out		USB	(AB-POL/MPJ-FIN)
E11a	11450	4-11	0640	Mon	949/31 Attention 11676 40270 84710 ... 42383 65047 01664 Attention (message repeated) Out		USB	(AB/HFD)
E11a	7984	4-11	1045	Mon	696/24 Attention 45917 34222 71649 ... 30770 13678 93530 Attention (message repeated) Out		USB	(AB/HFD)
E11a	6849	4-11	1900	Mon	644/34 Attention 36737 10655 89438 ... 33534 27452 24825 Attention (message repeated) Out		USB	(AB-POL/MPJ/HFD)
E11a	12089	5-11	0845	Tue	152/35 Attention 26045 19614 41789 ... 63800 62316 94788 Attention (message repeated) Out		USB	(AB)
E11a	7984	6-11	1045	Wed	696/24 Attention 45917 34222 71649 ... 30770 13678 93530 Attention (message repeated) Out		USB	(AB)
E11a	5082	6-11	1625	Wed	976/40 Attention 07895 57811 72568 ... 15494 46618 71416 Attention (message repeated) Out		USB	(AB/MPJ/HFD)
E11a	4505	6-11	1705	Wed	391/39 Attention 67889 77974 22140 ... 68759 02459 68790 Attention (message repeated) Out		USB	(AB/MPJ)
E11a	12089	7-11	0845	Thu	152/35 Attention 26045 19614 41789 ... 63800 62316 94788 Attention (message repeated) Out		USB	(AB/HFD)
E11a	6849	7-11	1900	Thu	644/34 Attention 36737 10655 89438 ... 33534 27452 24825 Attention (message repeated) Out		USB	(AB-POL/MPJ)
E11a	4505	9-11	0710	Sat	497/34 Attention 61869 55645 20809 ... 32762 18844 01046 Attention (message repeated) Out		USB	(AB)
E11a	4909	9-11	0805	Sat	313/39 Attention 06079 01177 84748 ... 74174 61366 88240 Attention (message repeated) Out		USB	(AB)

E11a	4505	9-11	1705	Sat	391/39 Attention 67889 77974 22140 ... 68759 02459 68790 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4909	9-11	1930	Sat	368/35 Attention 45758 37046 83184 ... 95242 67994 60021 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4505	10-11	0710	Sun	497/34 Attention 61869 55645 20809 ... 32762 18844 01046 Attention (message repeated) Out	USB	(AB/HFD)
E11a	4909	10-11	0805	Sun	313/39 Attention 06079 01177 84748 ... 74174 61366 88240 Attention (message repeated) Out	USB	(AB)
E11a	5082	10-11	1625	Sun	976/40 Attention 07895 57811 72568 ... 15494 46618 71416 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4909	10-11	1930	Sun	368/35 Attention 45758 37046 83184 ... 95242 67994 60021 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	10213	11-11	0745	Mon	268/37 Attention 64734 64388 16129 ... 14465 81446 59843 Attention (message repeated) Out	USB	(AB-POL)
E11a	5082	11-11	1530	Mon	524/30 Attention 61278 62288 52256 ... 04139 45522 34312 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12924	11-11	1745	Mon	244/36 Attention 15969 32968 42611 ... 86737 11595 10507 Attention (message repeated) Out	USB	(AB-POL/MPJ-FIN)
E11a	7840	12-11	0645	Tue	512/38 Attention 15433 61947 01196 ... 15492 26324 22997 Attention (message repeated) Out	USB	(AB)
E11a	14611	12-11	0820	Tue	130/40 Attention 86069 84266 50285 ... 97968 85761 34929 Attention (message repeated) Out	USB	(AB-POL)
E11a	8597	12-11	1000	Tue	306/35 Attention 12055 12988 39094 ... 57691 92870 60173 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	5344	12-11	1605	Tue	231/34 Attention 05752 78893 01308 ... 71506 13536 82752 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	17378	13-11	0745	Wed	347/33 Attention 70603 18824 93905 ... 49982 02500 42958 Attention (message repeated) Out	USB	(AB-POL)
E11a	14611	13-11	0820	Wed	130/40 Attention 86069 84266 50285 ... 97968 85761 34929 Attention (message repeated) Out	USB	(AB)
E11a	7840	14-11	0645	Thu	512/38 Attention 15433 61947 01196 ... 15492 26324 22997 Attention (message repeated) Out	USB	(AB)
E11a	5409	14-11	1530	Thu	268/37 Attention 64734 64388 16129 ... 14465 81446 59843 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	17378	15-11	0745	Fri	347/33 Attention 70603 18824 93905 ... 49982 02500 42958 Attention (message repeated) Out	USB	(AB-POL)
E11a	8597	15-11	1000	Fri	306/35 Attention 12055 12988 39094 ... 57691 92870 60173 Attention (message repeated) Out	USB	(AB)
E11a	5082	15-11	1530	Fri	524/30 Attention 61278 62288 52256 ... 04139 45522 34312 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	5344	17-11	1605	Sun	231/34 Attention 05752 78893 01308 ... 71506 13536 82752 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12924	17-11	1745	Sun	244/36 Attention 15969 32968 42611 ... 86737 11595 10507 Attention (message repeated) Out	USB	(AB-POL)
E11a	10330	18-11	0600	Mon	188/23 Attention 64167 18315 28546 ... 27636 48719 16248 Attention (message repeated) Out	USB	(AB)
E11a	10800	19-11	1645	Tue	334/35 Attention 05771 34675 51918 ... 73061 22680 61012	USB	(FT/MPJ-POL)
E11a	5779	20-11	0315	Wed	253/32 Attention 36490 38230 45125 52164 58249 37905 64149 ...	USB	(AB)
E11a	7469	20-11	0930	Wed	271/39 Attention 02094 15058 37250 ... 16304 40207 37303 Attention (message repeated) Out	USB	(AB)
E11a	5149	21-11	0820	Thu	432/37 Attention 90652 05251 03100 ... 10238 21707 59563 Attention (message repeated) Out	USB	(AB)
E11a	7469	21-11	0930	Thu	271/39 Attention 02094 15058 37250 ... 16304 40207 37303 Attention (message repeated) Out	USB	(AB)
E11a	10800	21-11	1645	Thu	334/35 Attention (unreadable)	USB	(AB)
E11a	10330	22-11	0600	Fri	188/23 Attention 64167 18315 28546 ... 27636 48719 16248 Attention (message repeated) Out	USB	(AB)
E11a	6804	22-11	0700	Fri	577/35 Attention 49224 65765 70499 ... 57328 36194 42691 Attention (message repeated) Out	USB	(AB)
E11a	5149	22-11	0820	Fri	432/37 Attention 90652 05251 03100 ... 10238 21707 59563 Attention (message repeated) Out	USB	(AB)
E11a	8597	25-11	0900	Mon	538/34 Attention 08136 80693 90163 ... 02789 48311 44543 Attention (message repeated) Out	USB	(AB)
E11a	9130	26-11	0715	Tue	634/32 Attention 31764 12595 00789 ... 15928 53492 66882 Attention (message repeated) Out	USB	(AB)
E11a	6433	26-11	1205	Tue	464/32 Attention 53218 48130 69855 ... 46809 79726 30756 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	13363	26-11	1345	Tue	910/39 Attention 88706 01083 10477 ... 53502 01452 16586 Attention (message repeated) Out	USB	(AB-POL)
E11a	8597	27-11	0900	Wed	538/34 Attention 08136 80693 90163 ... 02789 48311 44543 Attention (message repeated) Out	USB	(AB)
E11a	6433	27-11	1205	Wed	464/32 Attention 53218 48130 69855 ... 46809 79726 30756 Attention (message repeated) Out	USB	(MPJ)
E11a	5779	28-11	1730	Thu	418/34 Attention 76748 59228 29648 ... 33687 05407 31051	USB	(MPJ)
E11a	9130	29-11	0715	Fri	634/32 Attention 31764 12595 00789 ... 15928 53492 66882 Attention (message repeated) Out	USB	(AB)

E11a	13363	30-11	1345	Sat	910/39 Attention 88706 01083 10477 ... 53502 01452 16586 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E17z	11171	7-11	0800	Thu	217 403 5 75855 07443 51240 62434 25340 403 5 00000	AM/USB	(AB/HFD)
E17z	9821	7-11	0810	Thu	217 403 5 75855 07443 51240 62434 25340 403 5 00000	AM/USB	(AB/HFD)
E17z	11171	14-11	0800	Thu	217 403 5 75855 07443 51240 62434 25340 403 5 00000	AM/USB	(AB)
E17z	9821	14-11	0810	Thu	217 403 5 75855 07443 51240 62434 25340 403 5 00000	AM/USB	(AB)
E17z	11171	21-11	0800	Thu	217 834 5 24541 33941 56823 43884 85518 834 5 00000	AM/USB	(AB)
E17z	9821	21-11	0810	Thu	217 834 5 24541 33941 56823 43884 85518 834 5 00000	AM/USB	(AB)
E17z	11170	28-11	0800	Thu	217 834 5 24541 33941 56823 43884 85518 834 5 00000	USB	(AB)
E17z	9820	28-11	0810	Thu	217 834 5 24541 33941 56823 43884 85518 834 5 00000	USB	(AB)
EGY	8121.7	1-11	1612	Fri	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
EGY	11157.7	9-11	0751	Sat	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
EGY	14614.9	28-11	1320	Thu	MFA Cairo clg OOVp: Egyptian embassy Islamabad followed by Codan traffic from 99901 (Cairo) to 44405 (Islamabad)	SITOR-A 100/170	(AB)
F01	12177	1-11	1015	Fri	Russian diplo/intel. 5761 0000	FSK 200/500	(AB)
F01	10671	1-11	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8024	1-11	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	20741	1-11	2230	Fri	Russian diplo/intel.	FSK 200/500	(AB-USA)
F01	18702	1-11	2240	Fri	Russian diplo/intel	FSK 200/500	(AB-USA)
F01	12177	4-11	1015	Mon	Russian diplo/intel. 20485 70955 92180 ... 34047 78431 00000	FSK 200/500	(AB)
F01	10671	4-11	1025	Mon	Russian diplo/intel. 20485 70955 92180 ... 34047 78431 00000	FSK 200/500	(AB)
F01	8024	4-11	1035	Mon	Russian diplo/intel. 20485 70955 92180 ... 34047 78431 00000	FSK 200/500	(AB)
F01	12177	5-11	1015	Tue	Russian diplo/intel. Two messages. 85548 81488 77072 ... 18769 45816 79073 00000 and 95180 95432 39447 70991 ... 28339 38409 80087 00000	FSK 200/500	(AB)
F01	10671	5-11	1025	Tue	Russian diplo/intel. Two messages. 85548 81488 77072 ... 18769 45816 79073 00000 and 95180 95432 39447 70991 ... 28339 38409 80087 00000	FSK 200/500	(AB)
F01	8024	5-11	1035	Tue	Russian diplo/intel. Two messages. 85548 81488 77072 ... 18769 45816 79073 00000 and 95180 95432 39447 70991 ... 28339 38409 80087 00000	FSK 200/500	(AB)
F01	12177	6-11	1015	Wed	Russian diplo/intel. 68064 96926 72138 ... 59176 81668 81405 00000	FSK 200/500	(AB)
F01	10671	6-11	1025	Wed	Russian diplo/intel. 68064 96926 72138 ... 59176 81668 81405 00000	FSK 200/500	(AB)
F01	8024	6-11	1035	Wed	Russian diplo/intel. 68064 96926 72138 ... 59176 81668 81405 00000	FSK 200/500	(AB)
F01	8172	6-11	1940	Wed	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(AB/MPJ)
F01	6791	6-11	1950	Wed	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(AB/MPJ)
F01	4546	6-11	2000	Wed	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(AB/MPJ)
F01	12177	7-11	1015	Thu	Russian diplo/intel. Two messages: 71602 23228 41572 ... 12150 75419 82073 00000 and 64087 17151 64606 ... 04722 46296 83087 00000	FSK 200/500	(AB)
F01	10671	7-11	1025	Thu	Russian diplo/intel. Two messages: 71602 23228 41572 ... 12150 75419 82073 00000 and 64087 17151 64606 ... 04722 46296 83087 00000	FSK 200/500	(AB)
F01	8024	7-11	1035	Thu	Russian diplo/intel. Two messages: 71602 23228 41572 ... 12150 75419 82073 00000 and 64087 17151 64606 ... 04722 46296 83087 00000	FSK 200/500	(AB)
F01	12177	8-11	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)

F01	10671	8-11	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8024	8-11	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	20741	8-11	2230	Fri	Russian diplo/intel. Header: 11177 00116 85274 07051 01629	FSK 200/500	(Danix-USA)
F01	18702	8-11	2240	Fri	Russian diplo/intel. Header: 11177 00116 85274 07051 01629	FSK 200/500	(Danix-USA)
F01	12177	11-11	1015	Mon	Russian diplo/intel. 84754 68668 86055 ... 37420 52515 84425 00000	FSK 200/500	(AB)
F01	10671	11-11	1025	Mon	Russian diplo/intel. 84754 68668 86055 ... 37420 52515 84425 00000	FSK 200/500	(AB)
F01	8024	11-11	1035	Mon	Russian diplo/intel. 84754 68668 86055 ... 37420 52515 84425 00000	FSK 200/500	(AB-RUS)
F01	12177	12-11	1015	Tue	Russian diplo/intel. Two messages. 79298 09206 38512 ... 76159 84334 85085 00000 and 64939 28644 31427 ... 95003 33941 86071 00000	FSK 200/500	(AB)
F01	10671	12-11	1025	Tue	Russian diplo/intel. Two messages. 79298 09206 38512 ... 76159 84334 85085 00000 and 64939 28644 31427 ... 95003 33941 86071 00000	FSK 200/500	(AB)
F01	8024	12-11	1035	Tue	Russian diplo/intel. Two messages. 79298 09206 38512 ... 76159 84334 85085 00000 and 64939 28644 31427 ... 95003 33941 86071 00000	FSK 200/500	(AB)
F01	12177	13-11	1015	Wed	Russian diplo/intel. 57667 53077 00525 ... 33071 17514 87411 00000	FSK 200/500	(AB)
F01	10671	13-11	1025	Wed	Russian diplo/intel. 57667 53077 00525 ... 33071 17514 87411 00000	FSK 200/500	(AB)
F01	8024	13-11	1035	Wed	Russian diplo/intel. 57667 53077 00525 ... 33071 17514 87411 00000	FSK 200/500	(AB)
F01	12177	14-11	1015	Thu	Russian diplo/intel. Two messages: 05153 00577 27487 ... 65791 92654 88075 00000 and 66026 92281 37739 ... 90238 19097 89090 00000	FSK 200/500	(AB)
F01	10671	14-11	1025	Thu	Russian diplo/intel. Two messages: 05153 00577 27487 ... 65791 92654 88075 00000 and 66026 92281 37739 ... 90238 19097 89090 00000	FSK 200/500	(AB)
F01	8024	14-11	1035	Thu	Russian diplo/intel. Two messages: 05153 00577 27487 ... 65791 92654 88075 00000 and 66026 92281 37739 ... 90238 19097 89090 00000	FSK 200/500	(AB)
F01	12177	15-11	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10671	15-11	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8024	15-11	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	20741	15-11	2230	Fri	Russian diplo/intel. Header: 11177 00116 15489 14052 02859	FSK 200/500	(Danix-USA)
F01	18702	15-11	2240	Fri	Russian diplo/intel. Header: 11177 00116 15489 14052 02859	FSK 200/500	(Danix-USA)
F01	12177	18-11	1015	Mon	Russian diplo/intel. 84310 28431 54597 ... 93490 94479 90433 00000	FSK 200/500	(AB)
F01	10671	18-11	1025	Mon	Russian diplo/intel. 84310 28431 54597 ... 93490 94479 90433 00000	FSK 200/500	(AB)
F01	8024	18-11	1035	Mon	Russian diplo/intel. 84310 28431 54597 ... 93490 94479 90433 00000	FSK 200/500	(AB)
F01	12177	19-11	1015	Tue	Russian diplo/intel. Two messages. 42995 50569 64378 ... 83423 41849 91085 00000 and 32427 75326 53625 ... 33992 85122 92095 00000	FSK 200/500	(AB)
F01	10671	19-11	1025	Tue	Russian diplo/intel. Two messages. 42995 50569 64378 ... 83423 41849 91085 00000 and 32427 75326 53625 ... 33992 85122 92095 00000	FSK 200/500	(AB)
F01	8024	19-11	1035	Tue	Russian diplo/intel. Two messages. 42995 50569 64378 ... 83423 41849 91085 00000 and 32427 75326 53625 ... 33992 85122 92095 00000	FSK 200/500	(AB/FT)
F01	12177	20-11	1015	Wed	Russian diplo/intel. 24563 86026 87204 ... 99932 37342 93437 00000	FSK 200/500	(AB)
F01	10671	20-11	1025	Wed	Russian diplo/intel. 24563 86026 87204 ... 99932 37342 93437 00000	FSK 200/500	(AB)
F01	8024	20-11	1035	Wed	Russian diplo/intel. 24563 86026 87204 ... 99932 37342 93437 00000	FSK 200/500	(AB)
F01	12177	21-11	1015	Thu	Russian diplo/intel. Two messages: 51122 17753 83939 ... 68527 98956 94145 00000 and 38966	FSK 200/500	(AB)

F03a	6480	7-11	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	8-11	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	8-11	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	11-11	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	11-11	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	11-11	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	11-11	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	12-11	0800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	12-11	0805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	12-11	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	12-11	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	13-11	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	13-11	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	13-11	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	13-11	0805	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	13-11	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	13-11	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	14-11	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	14-11	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	14-11	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	14-11	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	15-11	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	15-11	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	18-11	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	18-11	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	18-11	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	18-11	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	19-11	0800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	19-11	0805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	20-11	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	20-11	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	20-11	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	20-11	0805	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	20-11	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	20-11	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	21-11	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	21-11	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	21-11	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	21-11	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	22-11	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03a	13046	22-11	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	25-11	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	25-11	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	25-11	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	25-11	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	26-11	0800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	26-11	0805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	26-11	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	26-11	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	27-11	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13424	27-11	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	14656	27-11	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	14656	27-11	0805	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	13046	27-11	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	13046	27-11	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	6480	28-11	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6480	28-11	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	28-11	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	6906	28-11	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	29-11	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	13046	29-11	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03c	8800	1-11	0940	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	1-11	0945	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	8-11	0940	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	8-11	0945	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	11-11	0940	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	11-11	0945	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	15-11	0940	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	15-11	0945	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	18-11	0940	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	18-11	0945	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	22-11	0940	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	22-11	0945	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	25-11	0940	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	25-11	0945	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	29-11	0940	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	29-11	0945	Fri	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03f	4909	5-11	0615	Tue	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03f	4909	5-11	0620	Tue	Polish intel.	FSK-2 400Bd/800Hz ACF	(AB)

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F03f	4909	7-11	0615	Thu	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03f	4909	7-11	0620	Thu	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03f	4909	12-11	0615	Tue	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03f	4909	12-11	0620	Tue	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03f	4909	14-11	0615	Thu	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03f	4909	14-11	0620	Thu	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03f	4909	21-11	0615	Thu	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03f	4909	21-11	0620	Thu	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03f	4909	26-11	0615	Tue	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03f	4909	26-11	0620	Tue	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03f	4909	28-11	0615	Thu	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03f	4909	28-11	0620	Thu	Polish intel.	FSK-2 400Bd/800Hz ACF 992	(AB)
F03i	10728	15-11	0945	Fri	Polish intel.	FSK-2 100Bd/800Hz	(AB)
F03i	10728	15-11	0950	Fri	Polish intel.	FSK-2 100Bd/800Hz	(AB)
F03i	10728	22-11	0945	Fri	Polish intel.	FSK-2 100Bd/800Hz	(AB)
F03i	10728	22-11	0950	Fri	Polish intel.	FSK-2 100Bd/800Hz	(AB)
F03i	10728	29-11	0945	Fri	Polish intel.	FSK-2 100Bd/800Hz	(AB)
F03i	10728	29-11	0950	Fri	Polish intel.	FSK-2 100Bd/800Hz	(AB)
F03j	5946	7-11	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	7-11	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	11-11	1030	Mon	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	11-11	1035	Mon	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	10728	12-11	0950	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	10728	12-11	0955	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	13-11	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	13-11	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	14-11	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)

F03j	5946	14-11	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	18-11	1030	Mon	Polish intel.	FSK-4 100Bd/400Hz	(AB/MPJ)
F03j	7837	18-11	1035	Mon	Polish intel.	FSK-4 100Bd/400Hz	(AB/MPJ)
F03j	10728	19-11	0950	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	10728	19-11	0955	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	20-11	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	20-11	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	20-11	1030	Wed	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	20-11	1035	Wed	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	21-11	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	21-11	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	25-11	1030	Mon	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	25-11	1035	Mon	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	10728	26-11	0950	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	10728	26-11	0955	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	27-11	0915	Wed	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	27-11	0920	Wed	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	27-11	1030	Wed	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	27-11	1035	Wed	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	28-11	0915	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	28-11	0920	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03k	6940	11-11	1100	Mon	Polish intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	6940	11-11	1105	Mon	Polish intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	6940	14-11	1100	Thu	Polish intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	6940	14-11	1105	Thu	Polish intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	6940	18-11	1100	Mon	Polish intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	6940	18-11	1105	Mon	Polish intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	6940	21-11	1100	Thu	Polish intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	6940	21-11	1105	Thu	Polish intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	6940	25-11	1100	Mon	Polish intel.	FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	6940	25-11	1105	Mon	Polish intel.	FSK-2 400Bd/800Hz ACF	(AB)

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F03k	6940	28-11	1100	Thu	Polish intel.		FSK-2 400Bd/800Hz ACF 896	(AB)
F03k	6940	28-11	1105	Thu	Polish intel.		FSK-2 400Bd/800Hz ACF 896	(AB)
F06	14354	1-11	0700	Fri	Russian diplo/intel. 11166 70202 56983 01053 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
F06	12177	1-11	0710	Fri	Russian diplo/intel. 11166 70202 56983 01053 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
F06	10156	1-11	0720	Fri	Russian diplo/intel. 11166 70202 56983 01053 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
F06	20937	2-11	1500	Sat	Russian diplo/intel. 11166 40133 48975 02001 00049 00000 00000 00000 00000		FSK 200/1000	(AB-RUS)
F06	18644	2-11	1510	Sat	Russian diplo/intel. 11166 40133 48975 02001 00049 00000 00000 00000 00000		FSK 200/1000	(AB-RUS)
F06	16251	2-11	1520	Sat	Russian diplo/intel. 11166 40133 48975 02001 00049 00000 00000 00000 00000		FSK 200/1000	(AB-RUS)
F06	10644	3-11	1530	Sun	Russian diplo/intel. 11166 10053 68457 03001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/MPJ)
F06	8159	3-11	1540	Sun	Russian diplo/intel. 11166 10053 68457 03001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/MPJ)
F06	7438	3-11	1550	Sun	Russian diplo/intel. 11166 10053 68457 03001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/MPJ)
F06	14354	4-11	0700	Mon	Russian diplo/intel. Header: 11166 70202 65413 01033 02539		FSK 200/1000	(AB)
F06	12177	4-11	0710	Mon	Russian diplo/intel. Header: 11166 70202 65413 01033 02539		FSK 200/1000	(AB)
F06	10156	4-11	0720	Mon	Russian diplo/intel. Header: 11166 70202 65413 01033 02539		FSK 200/1000	(AB)
F06	14369	4-11	1200	Mon	Russian diplo/intel. Header: 11166 70202 65413 01033 02539		FSK 200/1000	(AB)
F06	12186	4-11	1210	Mon	Russian diplo/intel. Header: 11166 70202 65413 01033 02539		FSK 200/1000	(AB)
F06	10231	4-11	1220	Mon	Russian diplo/intel. Header: 11166 70202 65413 01033 02539		FSK 200/1000	(AB)
F06	14354	5-11	0700	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 15489 01034 02739 and 11166 70202 64128 01035 01099		FSK 200/1000	(AB)
F06	12177	5-11	0710	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 15489 01034 02739 and 11166 70202 64128 01035 01099		FSK 200/1000	(AB)
F06	10156	5-11	0720	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 15489 01034 02739 and 11166 70202 64128 01035 01099		FSK 200/1000	(AB)
F06	14369	5-11	1200	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 15489 01034 02739 and 11166 70202 64128 01035 01099		FSK 200/1000	(AB/MPJ)
F06	12186	5-11	1210	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 15489 01034 02739 and 11166 70202 64128 01035 01099		FSK 200/1000	(AB/MPJ)
F06	10231	5-11	1220	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 15489 01034 02739 and 11166 70202 64128 01035 01099		FSK 200/1000	(AB/MPJ)
F06	10536	5-11	1650	Tue	Russian diplo/intel. 11166 10053 36987 05001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/MPJ)
F06	8174	5-11	1700	Tue	Russian diplo/intel. 11166 10053 36987 05001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/MPJ)
F06	7318	5-11	1710	Tue	Russian diplo/intel. 11166 10053 36987 05001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/MPJ)
F06	20082	6-11	0600	Wed	Russian diplo/intel. Header: 11166 40122 16935 02058 03699		FSK 200/1000	(AB-J)
F06	18207	6-11	0610	Wed	Russian diplo/intel. Header: 11166 40122 16935 02058 03699		FSK 200/1000	(AB-J)
F06	16141	6-11	0620	Wed	Russian diplo/intel. Header: 11166 40122 16935 02058 03699		FSK 200/1000	(AB-J)
F06	14354	6-11	0700	Wed	Russian diplo/intel. Header: 11166 70202 65893 05036 02079		FSK 200/1000	(AB)
F06	12177	6-11	0710	Wed	Russian diplo/intel. Header: 11166 70202 65893 05036 02079		FSK 200/1000	(AB)

F06	10156	6-11	0720	Wed	Russian diplo/intel. Header: 11166 70202 65893 05036 02079	FSK 200/1000	(AB)
F06	14369	6-11	1200	Wed	Russian diplo/intel. Header: 11166 70202 65893 05036 02079	FSK 200/1000	(AB/MPJ)
F06	12186	6-11	1210	Wed	Russian diplo/intel. Header: 11166 70202 65893 05036 02079	FSK 200/1000	(AB/MPJ)
F06	10231	6-11	1220	Wed	Russian diplo/intel. Header: 11166 70202 65893 05036 02079	FSK 200/1000	(AB/MPJ)
F06	20082	7-11	0600	Thu	Russian diplo/intel. Header: 11166 40122 16935 02058 03699	FSK 200/1000	(AB-J)
F06	18207	7-11	0610	Thu	Russian diplo/intel. Header: 11166 40122 16935 02058 03699	FSK 200/1000	(AB-J)
F06	16141	7-11	0620	Thu	Russian diplo/intel. Header: 11166 40122 16935 02058 03699	FSK 200/1000	(AB-J)
F06	14354	7-11	0700	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 78123 05037 01779 and 11166 70202 98456 05038 01899	FSK 200/1000	(AB)
F06	12177	7-11	0710	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 78123 05037 01779 and 11166 70202 98456 05038 01899	FSK 200/1000	(AB)
F06	10156	7-11	0720	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 78123 05037 01779 and 11166 70202 98456 05038 01899	FSK 200/1000	(AB)
F06	10170	7-11	0800	Thu	Russian diplo/intel. 11166 70048 12397 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8057	7-11	0810	Thu	Russian diplo/intel. 11166 70048 12397 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6846	7-11	0820	Thu	Russian diplo/intel. 11166 70048 12397 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14369	7-11	1200	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 78123 05037 01779 and 11166 70202 98456 05038 01899	FSK 200/1000	(AB/MPJ)
F06	12186	7-11	1210	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 78123 05037 01779 and 11166 70202 98456 05038 01899	FSK 200/1000	(AB/MPJ)
F06	10231	7-11	1220	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 78123 05037 01779 and 11166 70202 98456 05038 01899	FSK 200/1000	(AB/MPJ)
F06	11162	7-11	1330	Thu	Russian diplo/intel. 11166 80214 23568 07053 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9915	7-11	1340	Thu	Russian diplo/intel. 11166 80214 23568 07053 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8187	7-11	1350	Thu	Russian diplo/intel. 11166 80214 23568 07053 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14354	8-11	0700	Fri	Russian diplo/intel. 11166 70202 34569 08049 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12177	8-11	0710	Fri	Russian diplo/intel. 11166 70202 34569 08049 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10156	8-11	0720	Fri	Russian diplo/intel. 11166 70202 34569 08049 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20937	9-11	1500	Sat	Russian diplo/intel. 11166 40133 79513 09012 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-FIN)
F06	18644	9-11	1510	Sat	Russian diplo/intel. 11166 40133 79513 09012 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-FIN)
F06	16251	9-11	1520	Sat	Russian diplo/intel. 11166 40133 79513 09012 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-FIN)
F06	10644	10-11	1530	Sun	Russian diplo/intel. 11166 10053 79462 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	8159	10-11	1540	Sun	Russian diplo/intel. 11166 10053 79462 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	7438	10-11	1550	Sun	Russian diplo/intel. 11166 10053 79462 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14354	11-11	0700	Mon	Russian diplo/intel. Header: 11166 70202 51469 08039 02759	FSK 200/1000	(AB)
F06	12177	11-11	0710	Mon	Russian diplo/intel. Header: 11166 70202 51469 08039 02759	FSK 200/1000	(AB)
F06	10156	11-11	0720	Mon	Russian diplo/intel. Header: 11166 70202 51469 08039 02759	FSK 200/1000	(AB)
F06	14369	11-11	1200	Mon	Russian diplo/intel. Header: 11166 70202 51469 08039 02759	FSK 200/1000	(AB/MPJ)
F06	12186	11-11	1210	Mon	Russian diplo/intel. Header: 11166 70202 51469 08039 02759	FSK 200/1000	(AB/MPJ)
F06	10231	11-11	1220	Mon	Russian diplo/intel. Header: 11166 70202 51469 08039 02759	FSK 200/1000	(AB/MPJ)

F06	9337	12-11	0030	Tue	Russian diplo/intel. 11166 60070 58274 12001 00049 000000 00000 00000 00000	FSK 200/1000	(AB)
F06	6920	12-11	0040	Tue	Russian diplo/intel. 11166 60070 58274 12001 00049 000000 00000 00000 00000	FSK 200/1000	(AB)
F06	5445	12-11	0050	Tue	Russian diplo/intel. 11166 60070 58274 12001 00049 000000 00000 00000 00000	FSK 200/1000	(AB)
F06	10536	12-11	1650	Tue	Russian diplo/intel. 11166 10053 34627 12071 00049 00000 00000 00000 00000	FSK 200/1000	(AB-G/MPJ)
F06	8174	12-11	1700	Tue	Russian diplo/intel. 11166 10053 34627 12071 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7318	12-11	1710	Tue	Russian diplo/intel. 11166 10053 34627 12071 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20082	13-11	0600	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 56321 09059 03009 and 11166 40122 52147 09060 03039	FSK 200/1000	(AB-J)
F06	18207	13-11	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 56321 09059 03009 and 11166 40122 52147 09060 03039	FSK 200/1000	(AB-PHL)
F06	16141	13-11	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 56321 09059 03009 and 11166 40122 52147 09060 03039	FSK 200/1000	(AB-J)
F06	20288	13-11	0900	Wed	Russian diplo/intel. Header: 11166 00052 24839 13048 01529	FSK 200/1000	(AB-RUS)
F06	18404	13-11	0910	Wed	Russian diplo/intel. Header: 11166 00052 24839 13048 01529	FSK 200/1000	(AB)
F06	16266	13-11	0920	Wed	Russian diplo/intel. Header: 11166 00052 24839 13048 01529	FSK 200/1000	(AB)
F06	10349	13-11	1015	Wed	Russian diplo/intel. 11166 10031 14789 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	18573	13-11	1025	Wed	Russian diplo/intel. 11166 10031 14789 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16245	13-11	1035	Wed	Russian diplo/intel. 11166 10031 14789 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/RL)
F06	20082	14-11	0600	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 56321 09059 03009 and 11166 40122 52147 09060 03039	FSK 200/1000	(AB-CHN)
F06	18207	14-11	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 56321 09059 03009 and 11166 40122 52147 09060 03039	FSK 200/1000	(AB-CHN)
F06	16141	14-11	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 56321 09059 03009 and 11166 40122 52147 09060 03039	FSK 200/1000	(AB-CHN)
F06	10170	14-11	0800	Thu	Russian diplo/intel. 11166 70048 14279 14016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8057	14-11	0810	Thu	Russian diplo/intel. 11166 70048 14279 14016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6846	14-11	0820	Thu	Russian diplo/intel. 11166 70048 14279 14016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20288	14-11	0900	Thu	Russian diplo/intel. Header: 11166 00052 24839 13048 01529	FSK 200/1000	(AB-RUS)
F06	18404	14-11	0910	Thu	Russian diplo/intel. Header: 11166 00052 24839 13048 01529	FSK 200/1000	(AB)
F06	16266	14-11	0920	Thu	Russian diplo/intel. Header: 11166 00052 24839 13048 01529	FSK 200/1000	(AB)
F06	11162	14-11	1330	Thu	Russian diplo/intel. 11166 80214 15397 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9915	14-11	1340	Thu	Russian diplo/intel. 11166 80214 15397 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8187	14-11	1350	Thu	Russian diplo/intel. 11166 80214 15397 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20937	16-11	1500	Sat	Russian diplo/intel. 11166 40133 14279 16038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	18644	16-11	1510	Sat	Russian diplo/intel. 11166 40133 14279 16038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	16251	16-11	1520	Sat	Russian diplo/intel. 11166 40133 14279 16038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	10644	17-11	1530	Sun	Russian diplo/intel. 11166 10053 36987 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8159	17-11	1540	Sun	Russian diplo/intel. 11166 10053 36987 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7438	17-11	1550	Sun	Russian diplo/intel. 11166 10053 36987 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8174	18-11	0500	Mon	Russian diplo/intel. 11166 70059 36987 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)

F06	7316	18-11	0510	Mon	Russian diplo/intel. 11166 70059 36987 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	5929	18-11	0520	Mon	Russian diplo/intel. 11166 70059 36987 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	9337	19-11	0030	Tue	Russian diplo/intel. 11166 60070 19673 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6920	19-11	0040	Tue	Russian diplo/intel. 11166 60070 19673 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5445	19-11	0050	Tue	Russian diplo/intel. 11166 60070 19673 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12208	19-11	0800	Tue	Russian diplo/intel. Header: 11100 00000 67915 08010 02279	FSK 200/1000	(AB)
F06	10191	19-11	0810	Tue	Russian diplo/intel. Header: 11100 00000 67915 08010 02279	FSK 200/1000	(AB)
F06	8174	19-11	1700	Tue	Russian diplo/intel. 11166 10053 14785 19001 00049 00000 00000 00000 00000	FSK 200/1000	(FT/MPJ)
F06	7318	19-11	1710	Tue	Russian diplo/intel. 11166 10053 14785 19001 00049 00000 00000 00000 00000	FSK 200/1000	(FT/MPJ)
F06	10170	21-11	0800	Thu	Russian diplo/intel. 11166 70048 14789 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8057	21-11	0810	Thu	Russian diplo/intel. 11166 70048 14789 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6846	21-11	0820	Thu	Russian diplo/intel. 11166 70048 14789 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11162	21-11	1330	Thu	Russian diplo/intel. 11166 80214 12345 21057 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL/MPJ)
F06	9915	21-11	1340	Thu	Russian diplo/intel. 11166 80214 12345 21057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8187	21-11	1350	Thu	Russian diplo/intel. 11166 80214 12345 21057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20937	23-11	1500	Sat	Russian diplo/intel. 11166 40133 14587 23001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	18644	23-11	1510	Sat	Russian diplo/intel. 11166 40133 14587 23001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	16251	23-11	1520	Sat	Russian diplo/intel. 11166 40133 14587 23001 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	10644	24-11	1530	Sun	Russian diplo/intel. 11166 10053 17935 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8159	24-11	1540	Sun	Russian diplo/intel. 11166 10053 17935 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7438	24-11	1550	Sun	Russian diplo/intel. 11166 10053 17935 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9337	26-11	0030	Tue	Russian diplo/intel. 11166 60070 36987 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6920	26-11	0040	Tue	Russian diplo/intel. 11166 60070 36987 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5445	26-11	0050	Tue	Russian diplo/intel. 11166 60070 36987 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10536	26-11	1650	Tue	Russian diplo/intel. 11166 10053 63491 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-POL)
F06	8174	26-11	1700	Tue	Russian diplo/intel. 11166 10053 63491 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-POL)
F06	7318	26-11	1710	Tue	Russian diplo/intel. 11166 10053 63491 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-POL)
F06	20288	27-11	0900	Wed	Russian diplo/intel. Header: 11166 00052 91735 27049 00909	FSK 200/1000	(AB-RUS)
F06	18404	27-11	0910	Wed	Russian diplo/intel. Header: 11166 00052 91735 27049 00909	FSK 200/1000	(AB-RUS)
F06	16266	27-11	0920	Wed	Russian diplo/intel. Header: 11166 00052 91735 27049 00909	FSK 200/1000	(AB)
F06	18207	28-11	0610	Thu	Russian diplo/intel. Header: 11166 40122 94853 23061 04739	FSK 200/1000	(AB-CHN)
F06	16141	28-11	0620	Thu	Russian diplo/intel. Header: 11166 40122 94853 23061 04739	FSK 200/1000	(AB-CHN)
F06	10170	28-11	0800	Thu	Russian diplo/intel. 11166 70048 14279 28016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8057	28-11	0810	Thu	Russian diplo/intel. 11166 70048 14279 28016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6846	28-11	0820	Thu	Russian diplo/intel. 11166 70048 14279 28016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20288	28-11	0900	Thu	Russian diplo/intel. Header: 11166 00052 91735 27049 00909	FSK 200/1000	(AB-RUS)
F06	18404	28-11	0910	Thu	Russian diplo/intel. Header: 11166 00052 91735 27049 00909	FSK 200/1000	(AB-RUS)
F06	16266	28-11	0920	Thu	Russian diplo/intel. Header: 11166 00052 91735 27049 00909	FSK 200/1000	(AB)
F06	11162	28-11	1330	Thu	Russian diplo/intel. 11166 80214 54978 28012 00049 00000 00000 00000 00000	FSK 200/1000	(AB-AUT/MPJ)
F06	9915	28-11	1340	Thu	Russian diplo/intel. 11166 80214 54978 28012 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL/MPJ)

F06	8187	28-11	1350	Thu	Russian diplo/intel. 11166 80214 54978 28012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	20937	30-11	1500	Sat	Russian diplo/intel. 11166 40133 78451 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	18644	30-11	1510	Sat	Russian diplo/intel. 11166 40133 78451 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06	16251	30-11	1520	Sat	Russian diplo/intel. 11166 40133 78451 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-RUS)
F06a	12203	18-11	1125	Mon	Russian diplo/intel i.p. sending file 86-155. Header: 11100 00129 12345 18086 01559	FSK 200/1000 ASCII	(AB)
G06	5320	4-11	0800	Mon	329 329 329 00000	USB	(AB/HFD)
G06	3619	4-11	1700	Mon	145 145 145 00000	USB	(AB/MPJ/HFD)
G06	4528	4-11	1800	Mon	145 45 145 00000 Windows shutdown sound	USB	(AB/MPJ/HFD)
G06	4897	6-11	1200	Wed	145 145 145 00000	USB	(AB/MPJ)
G06	4034	6-11	1300	Wed	145 145 145 00000 Windows shutdown sound	USB	(AB-POL/ES/HFD)
G06	4460	7-11	1300	Thu	329 329 329 00000	USB	(AB/HFD)
G06	3619	11-11	1614	Mon	111 111 111 00000	USB	(AB)
G06	3619	11-11	1620	Mon	111 111 111 00000	USB	(AB)
G06	3619	11-11	1700	Mon	145 145 145 00000	USB	(AB/MPJ)
G06	4528	11-11	1800	Mon	145 45 145 00000 Windows shutdown sound	USB	(AB)
G06	4897	13-11	1200	Wed	145 145 145 00000	USB	(AB/MPJ)
G06	4034	13-11	1300	Wed	145 145 145 00000	USB	(AB)
G06	4519	14-11	1830	Thu	271 228 39 25326 68373 90453 ... 79383 23682 23392 228 39 00000 Windows shut down sound	USB	(AB)
G06	4519	14-11	1830	Thu	271-228/39=25326	USB	(HFD)
G06	4792	15-11	1930	Fri	436 228 39 25326 68373 90453 ... 79383 23682 23392 228 39 00000	USB	(AB/MPJ)
G06	5320	18-11	0800	Mon	329 329 329 00000	USB	(AB)
G06	4460	21-11	1300	Thu	329 329 329 00000	USB	(AB-POL/MPJ)
G06	4519	28-11	1800	Thu	271 273 62 64537 27364 28364 ... 64612 84759 76491 273 62 00000 Windows shut down sound	USB	(AB-RUS/MPJ)
G06	4792	29-11	1930	Fri	436 273 62 64537 27364 28364 ... 64612 84759 76491 273 62 00000 Windows shut down sound	USB	(AB)
HM01	11435	1-11	1600	Fri	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11530	1-11	1730	Fri	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(AB)
HM01	11462	2-11	0530	Sat	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(AB-USA)
HM01	14375	2-11	0600	Sat	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(AB-USA)
HM01	11435	2-11	1600	Sat	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11530	3-11	1700	Sun	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	4-11	1600	Mon	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept after a jumbled mess 1600-1601z)	AM/RDFT	(RR2)
HM01	11530	5-11	1702	Tue	77236 61724 01307 67503 26321 03484	AM/RDFT	(RR2)
HM01	17480	5-11	2200	Tue	77236 61724 01307 67503 26321 03484	AM/RDFT	(RR2)
HM01	11530	6-11	1706	Wed	i.p. 77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	10715	6-11	2200	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	7-11	1611	Thu	i.p. 77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	9-11	1600	Sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	9065	10-11	0800	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	9240	10-11	0900	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)

HM01	9155	10-11	1000	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	11435	10-11	1600	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	11-11	1600	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11635	11-11	2100	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	10715	11-11	2200	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11435	12-11	1600	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	9330	13-11	0700	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	11435	13-11	1600	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11635	13-11	2100	Wed	77326 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	10715	13-11	2200	Wed	77326 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11435	14-11	1600	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	16180	14-11	2100	Thu	77326 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11530	15-11	1700	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11635	15-11	2100	Fri	77326 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	10715	15-11	2200	Fri	77326 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11530	16-11	1700	Sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	17480	16-11	2200	Sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	9330	17-11	0730	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	9065	17-11	0800	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	9240	17-11	0900	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	9155	17-11	1000	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	11530	17-11	1700	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	18-11	1600	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	10715	18-11	2100	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11635	18-11	2100	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11530	19-11	1730	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	9330	20-11	0700	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	10345	20-11	0700	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	11530	20-11	1730	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11635	20-11	2100	Wed	77326 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	10715	20-11	2200	Wed	77326 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11435	21-11	1630	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	16180	21-11	2100	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	17480	21-11	2200	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(Dan)
HM01	9065	22-11	0800	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	9240	22-11	0900	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	9155	22-11	1000	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11435	22-11	1600	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	10715	22-11	2200	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11435	23-11	1600	Sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)

HM01	16180	23-11	2100	Sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL/Dan)
HM01	17480	23-11	2200	Sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	9330	24-11	0700	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	9065	24-11	0800	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	9240	24-11	0900	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	9155	24-11	1000	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	11435	24-11	1600	Sun	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11435	25-11	1600	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	11635	25-11	2100	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	10715	25-11	2200	Mon	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11435	26-11	1630	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RR2)
HM01	17480	26-11	2200	Tue	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	11635	27-11	2100	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(Dan)
HM01	11635	27-11	2100	Wed	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	16180	28-11	2100	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(Dan)
HM01	17480	28-11	2200	Thu	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
HM01	9065	29-11	0800	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	9330	29-11	0830	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	9240	29-11	0900	Fri	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	11462	30-11	0500	Sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	12180	30-11	1000	Sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(AB)
HM01	17480	30-11	2200	Sat	77236 61724 01307 67503 26321 03484 (Repeat of 5 Nov)	AM/RDFT	(RL)
Jammer	6520	19-11	0300	Tue	North Korean jammer on Voice of the People	AM	(BW3-J)
M01	5810	2-11	1500	Sat	197 236 236 30 30 == 18106 36208 37262 ... 63433 40707 77412 == 236 30 30 000	CW	(MPJ/ES)
M01	5465	3-11	0700	Sun	197 731 731 30 30 == 10993 07896 94166 ... 35010 09315 33893 = 731 731 30 30 000	CW	(AB/ES)
M01	5320	5-11	1800	Tue	197 564 564 30 30 == 53037 41841 18215 ... 50975 30743 79919 == 564 564 4444 000	CW	(AB/MPJ/ES/HFD)
M01	4490	5-11	2000	Tue	197 337 337 30 30 == 05018 72633 25635 ... 73910 (78910) 03154 37003 == 337 337 30 30 000	CW	(AB/MPJ/HFD)
M01	5320	7-11	1802	Thu	197 897 897 30 30 == 53037 41841 ... (fades) 44224 30743 79919 == 897 897 30 30 0 0 0	CW	(MPJ)
M01	4490	7-11	2000	Thu	197 675 675 30 30 == 05018 72633 25635 ... 73910 03154 37003 == 675 675 30 30 000	CW	(AB)
M01	5810	9-11	1500	Sat	197 437 437 30 30 == 92908 50935 96578 ... 93808 211.7 .3796 == 437 437 30 30 000	CW	(AB-FIN/MPJ)
M01	5465	10-11	0700	Sun	197 477 477 30 30 == 79596 07456 20153 ... 60884 19259 31043 == 477 477 30 30 000	CW	(AB/HFD)
M01	5320	12-11	1800	Tue	197 213 213 = 30 30 = 11699 06367 32815 ... 10215 19339 03896 == 213 213 = 30 30 000	CW	(MPJ)
M01	4490	12-11	2000	Tue	197 621 621 = 30 30 = 68998 06676 16722 (faded to nil)	CW	(AB/MPJ)
M01	4490	14-11	2000	Thu	197 / / / 412 412 30 30 = 14176 67719 55685 ... 32935 61139 01557 == 412 412 30 30 000	CW	(AB)
M01	5810	16-11	1500	Sat	197 217 217 30 30 == 39502 24237 69998 ... 96425 86918 75320 == 217 217 30 30 000	CW	(MPJ)
M01	5465	17-11	0700	Sun	197 627 627 30 30 == 39722 66566 92642 ... 29264 02330 25845 == 627 627 30 30 000	CW	(AB)
M01	5320	19-11	1800	Tue	197 375 375 = 30 30 = 61362 48073 76027 ... 85818 90500 86190 == 375 375 = 30 30 000	CW	(MPJ)
M01	4490	19-11	2000	Tue	197 215 30 30 = 61362 48073 78027 ... 93898 61... 000. Faded at end	CW	(MPJ)
M01	5320	21-11	1800	Thu	197 144 144 30 30 == 15904 65115 64420 ... 88356 61586 92967 = 144 144 30 30 000	CW	(AB-POL/MPJ)
M01	4490	21-11	2000	Thu	197 734 734 30 30 == 38822 55210 74299 ... 47520 91304 51728 == 734 734 30 30 000	CW	(AB)

M01	5810	23-11	1500	Sat	197 947 947 30 30 // 78321 50640 24909 ... 20998 41665 64290 = = 947 947 30 30 000	CW	(MPJ/HFD)
M01	5465	24-11	0700	Sun	197 185 185 30 30 = = 98543 45242 88298 ... 99040 35320 93459 = = 185 185 30 30 000	CW	(AB)
M01	5320	26-11	1800	Tue	197 231 231 30 30 = = 17278 37067 17355 ... 80542 72378 76580 = = 231 231 30 30 000	CW	(AB-RUS/MPJ)
M01	4490	26-11	2000	Tue	197 817 817 30 30 = = 47539 05164 51045 ... 46915 92156 08599 = = 817 817 30 30 000	CW	(AB/MPJ)
M01	5320	28-11	1800	Thu	197 221 221 30 30 = = 06321 53936 31610 ... 38178 32153 30381 = = 221 221 30 30 000	CW	(AB-RUS/MPJ)
M01	4490	28-11	2000	Thu	197 643 643 30 30 = = 97871 11153 30721 ... 88824 71930 81680 = = 643 643 30 000	CW	(AB)
M01	5810	30-11	1500	Sat	197 483 483 30 30 = = 65588 17866 70322 ... 65467 59424 45134 = = 483 483 30 30 000 (31 groups were sent)	CW	(AB)
M01a	5082	1-11	0920	Fri	i.p. 111 000	CW	(ES-POL)
M01a	5360	1-11	1011	Fri	747 747 747 40383 40383 747 747 747 40383 40383 747 747 747 40535 40535	CW	(F5JBR)
M01a	4589	1-11	1021	Fri	747 747 747 41768 41768 111 999 623 12 = 111 623 12 = 01995 74069 17834 90158 00521 60415 95852 99536 05492 01756 11813 39160 = 623 12 111 000	CW	(F5JBR)
M01a	6752	30-11	0851	Sat	843 333 29 333 30 333 31 111 999 310 40 = 92473 62428 25242 ... 56739 99679 33554 = 310 40 111 000	CW	(F5JBR)
M01a	6752	30-11	0953	Sat	843 843 843 93992 93992 111 333 94787 333 94787 111 040 02 843 843 843 111 999 206 50 = 5FGs = 206 50 111 66803 111 000	CW	(F5JBR)
M01b	2655	1-11	2002	Fri	866 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000 //3195 kHz	MCW	(MPJ/HFD)
M01b	3195	1-11	2002	Fri	866 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000 //2655 kHz	MCW	(MPJ)
M01b	2405	1-11	2110	Fri	610 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000 //3180 kHz	MCW	(AB-POL/HFD)
M01b	3180	1-11	2110	Fri	610 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000 //2405 kHz	MCW	(AB-POL/HFD)
M01b	2435	4-11	1910	Mon	853 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000	MCW	(MPJ/HFD)
M01b	3520	4-11	1910	Mon	853 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000	MCW	(MPJ/HFD)
M01b	2425	4-11	2015	Mon	375 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000	MCW	(AB/MPJ/HFD)
M01b	3205	4-11	2015	Mon	375 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000	MCW	(AB/MPJ/HFD)
M01b	2470	7-11	1932	Thu	910 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000 //3545 kHz	MCW	(AB/MPJ)
M01b	3545	7-11	1932	Thu	910 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000 //2470 kHz	MCW	(AB/MPJ)
M01b	2485	7-11	2040	Thu	382 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000 //3160 kHz	MCW	(AB)
M01b	3160	7-11	2040	Thu	382 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000 //2485 kHz	MCW	(AB)
M01b	2655	8-11	2002	Fri	866 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000 //3195 kHz	MCW	(AB/MPJ)
M01b	3195	8-11	2002	Fri	866 121 121 33 33 = = 82591 35954 34675 ... 10709 21407 83616 = = 121 121 33 33 000 //2655 kHz	MCW	(AB/MPJ)

M01b	2405	8-11	2110	Fri	610 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //3180 kHz	MCW	(AB)
M01b	3180	8-11	2110	Fri	610 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //2405 kHz	MCW	(AB)
M01b	2435	11-11	1910	Mon	853 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000	MCW	(AB/MPJ)
M01b	3520	11-11	1910	Mon	853 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000	MCW	(AB/MPJ)
M01b	2425	11-11	2015	Mon	375 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000	MCW	(AB/MPJ)
M01b	3205	11-11	2015	Mon	375 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000	MCW	(AB/MPJ)
M01b	2470	14-11	1938	Thu	910 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //3545 kHz. Late start	MCW	(MPJ)
M01b	3545	14-11	1938	Thu	910 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //2470 kHz. Late start	MCW	(MPJ)
M01b	2655	15-11	2002	Fri	866 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //3195 kHz	MCW	(MPJ)
M01b	3195	15-11	2002	Fri	866 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //2655 kHz	MCW	(MPJ)
M01b	2435	18-11	1910	Mon	853 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000	MCW	(AB/MPJ)
M01b	3520	18-11	1910	Mon	853 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000	MCW	(AB/MPJ)
M01b	2425	18-11	2015	Mon	375 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000	MCW	(AB/MPJ)
M01b	3205	18-11	2015	Mon	375 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000	MCW	(AB/MPJ)
M01b	2470	21-11	1938	Thu	910 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //3545 kHz	MCW	(AB/MPJ)
M01b	3545	21-11	1938	Thu	910 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //2470 kHz	MCW	(AB/MPJ)
M01b	2485	21-11	2040	Thu	382 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //3160 kHz	MCW	(AB/HFD)
M01b	3160	21-11	2040	Thu	382 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //2485 kHz	MCW	(AB/HFD)
M01b	2655	22-11	2002	Fri	866 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //3195 kHz	MCW	(AB/MPJ)
M01b	3195	22-11	2002	Fri	866 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //2655 kHz	MCW	(AB/MPJ)
M01b	2435	25-11	1910	Mon	853 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000	MCW	(AB/MPJ)
M01b	3520	25-11	1910	Mon	853 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000	MCW	(AB/MPJ)
M01b	2425	25-11	2015	Mon	375 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000	MCW	(AB/MPJ)
M01b	3205	25-11	2015	Mon	375 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000	MCW	(AB/MPJ)
M01b	2470	28-11	1932	Thu	910 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //3545 kHz	MCW	(AB/MPJ/HFD)
M01b	3545	28-11	1932	Thu	910 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //2470 kHz	MCW	(AB/MPJ/HFD)

M01b	2485	28-11	2040	Thu	382 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //3160 kHz	MCW	(AB)
M01b	3160	28-11	2040	Thu	382 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //2485 kHz	MCW	(AB)
M01b	2655	29-11	2002	Fri	866 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //3195 kHz	MCW	(AB/MPJ)
M01b	3195	29-11	2002	Fri	866 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //2655 kHz	MCW	(AB/MPJ)
M01b	2405	29-11	2110	Fri	610 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //3180 kHz	MCW	(AB)
M01b	3180	29-11	2110	Fri	610 121 121 33 33 == 82591 35954 34675 ... 10709 21407 83616 == 121 121 33 33 000 //2405 kHz	MCW	(AB)
M12	13926	1-11	1310	Fri	915 915 915 000	CW	(AB/MPJ)
M12	12136	1-11	1330	Fri	915 915 915 000	CW	(AB/MPJ)
M12	7536	1-11	2050	Fri	581 581 581 000	CW	(AB)
M12	6836	1-11	2110	Fri	581 581 581 000	CW	(AB)
M12	6859	1-11	2200	Fri	849 849 849 1 330 95 330 95 62471 98754 59121 ... 39820 47326 33578 000 000	CW	(AB)
M12	7459	1-11	2220	Fri	849 849 849 1 330 95 330 95 62471 98754 59121 ... 39820 47326 33578 000 000	CW	(AB)
M12	9959	1-11	2240	Fri	849 849 849 1 330 95 330 95 62471 98754 59121 ... 39820 47326 33578 000 000	CW	(AB)
M12	8047	2-11	2000	Sat	463 463 463 1 7725 99 7725 99 16051 12242 25606 ... 53522 35954 28383 000 000	CW	(AB/MPJ/ES/HFD)
M12	6802	2-11	2020	Sat	463 463 463 1 7725 99 7725 99 16051 12242 25606 ... 53522 35954 28383 000 000	CW	(AB/MPJ/ES/HFD)
M12	5788	2-11	2040	Sat	463 463 463 1 7725 99 7725 99 16051 12242 25606 ... 53522 35954 28383 000 000	CW	(AB/MPJ/ES/HFD)
M12	6859	2-11	2200	Sat	849 849 849 1 330 95 330 95 62471 98754 59121 ... 39820 47326 33578 000 000	CW	(AB)
M12	7459	2-11	2220	Sat	849 849 849 1 330 95 330 95 62471 98754 59121 ... 39820 47326 33578 000 000	CW	(AB)
M12	9959	2-11	2240	Sat	849 849 849 1 330 95 330 95 62471 98754 59121 ... 39820 47326 33578 000 000	CW	(AB)
M12	8119	3-11	0600	Sun	114 114 114 000	CW	(ES-HOL)
M12	9119	3-11	0620	Sun	114 114 114 000	CW	(ES-HOL)
M12	16296	4-11	1400	Mon	273 273 273 000	CW	(AB/ES/HFD)
M12	14796	4-11	1420	Mon	273 273 273 000	CW	(AB/ES/HFD)
M12	8047	4-11	1800	Mon	463 463 463 1 3130 96 3130 96 54767 38680 64561 ... 54873 43268 74778 000 000	CW	(AB/MPJ/HFD)
M12	6802	4-11	1820	Mon	463 463 463 1 3130 96 3130 96 54767 38680 64561 ... 54873 43268 74778 000 000	CW	(AB/MPJ/HFD)
M12	5788	4-11	1840	Mon	463 463 463 1 3130 96 3130 96 54767 38680 64561 ... 54873 43268 74778 000 000	CW	(AB/MPJ/HFD)
M12	6937	4-11	2210	Mon	975 975 975 000	CW	(AB)
M12	5737	4-11	2230	Mon	975 975 975 000	CW	(AB)
M12	9317	5-11	0530	Tue	135 135 135 1 3281 108 3281 108 51112 27352 88670 ... 92787 65423 20596 000 000	CW	(AB/ES/HFD)
M12	10484	5-11	0550	Tue	135 135 135 1 3281 108 3281 108 51112 27352 88670 ... 92787 65423 20596 000 000	CW	(AB/ES/HFD)
M12	8119	5-11	0600	Tue	114 114 114 1 5696 73 5696 73 40355 20192 71274 ... 01523 22517 73183 000 000	CW	(AB/F5JBR/ES/HFD)
M12	11552	5-11	0610	Tue	135 135 135 1 3281 108 3281 108 51112 27352 88670 ... 92787 65423 20596 000 000	CW	(AB/ES/HFD)
M12	9119	5-11	0620	Tue	114 114 114 1 5696 73 5696 73 40355 20192 71274 ... 01523 22517 73183 000 000	CW	(AB/F5JBR/ES/HFD)
M12	10419	5-11	0640	Tue	114 114 114 1 5696 73 5696 73 40355 20192 71274 ... 01523 22517 73183 000 000	CW	(AB/ES/HFD)

M12	13936	6-11	1310	Wed	915 915 915 1 7051 140 7051 140 56726 45447 91121 ... 18802 21294 56165 000 000	CW	(AB/MPJ/ES/HFD)
M12	12136	6-11	1330	Wed	915 915 915 1 7051 140 7051 140 56726 45447 91121 ... 18802 21294 56165 000 000	CW	(AB/MPJ/ES/HFD)
M12	11536	6-11	1340	Wed	915 915 915 1 7051 140 7051 140 56726 45447 91121 ... 18802 21294 56165 000 000	CW	(AB/MPJ/ES/HFD)
M12	16296	6-11	1400	Wed	273 273 273 000	CW	(AB/MPJ)
M12	14796	6-11	1420	Wed	273 273 273 000	CW	(AB/MPJ)
M12	12162	6-11	1710	Wed	546 546 546 1 6640 106 6640 106 16735 42840 70399 ... 49470 85722 27557 000 000	CW	(AB-FIN/MPJ)
M12	11566	6-11	1730	Wed	546 546 546 1 6640 106 6640 106 16735 42840 70399 ... 49470 85722 27557 000 000	CW	(AB-RUS/MPJ)
M12	10711	6-11	1750	Wed	546 546 546 1 6640 106 6640 106 16735 42840 70399 ... 49470 85722 27557 000 000	CW	(AB/MPJ)
M12	7536	6-11	2050	Wed	581 581 581 000	CW	(AB/ES/HFD)
M12	6836	6-11	2110	Wed	581 581 581 000	CW	(AB/ES/HFD)
M12	12162	7-11	1700	Thu	546 546 546 1 9802 110 9802 110 51313 56863 69015 ... 95556 07924 80825 000 000 Stop and restart after 3 mins.	CW	(AB-RUS/MPJ-RUS)
M12	11566	7-11	1720	Thu	546 546 546 1 9802 110 9802 110 51313 56863 69015 ... 95556 07924 80825 000 000	CW	(AB-RUS/MPJ-RUS)
M12	10711	7-11	1740	Thu	546 546 546 1 9802 110 9802 110 51313 56863 69015 ... 95556 07924 80825 000 000	CW	(AB/MPJ-RUS)
M12	12162	7-11	1800	Thu	546 546 546 1 8914 109 8914 109 70503 23442 44475 ... 73577 26359 85709 000 000	CW	(AB-RUS/MPJ-RUS/HFD-POL)
M12	11566	7-11	1820	Thu	546 546 546 1 8914 109 8914 109 70503 23442 44475 ... 73577 26359 85709 000 000	CW	(AB-RUS/MPJ-RUS/HFD-POL)
M12	10711	7-11	1840	Thu	546 546 546 1 8914 109 8914 109 70503 23442 44475 ... 73577 26359 85709 000 000	CW	(AB-RUS/MPJ-RUS/HFD-POL)
M12	14377	7-11	2000	Thu	317 317 317 1 7952 105 7952 105 15602 40708 27238 ... 84909 75648 57495 000 000	CW	(AB)
M12	13461	7-11	2020	Thu	317 317 317 1 7952 105 7952 105 15602 40708 27238 ... 84909 75648 57495 000 000	CW	(AB)
M12	12114	7-11	2040	Thu	317 317 317 1 7952 105 7952 105 15602 40708 27238 ... 84909 75648 57495 000 000	CW	(AB)
M12	6937	7-11	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	7-11	2230	Thu	975 975 975 000	CW	(AB)
M12	13936	8-11	1310	Fri	915 915 915 1 7051 140 7051 140 56726 45447 91121 ... 18802 21294 56165 000 000	CW	(AB/MPJ)
M12	12136	8-11	1330	Fri	915 915 915 1 7051 140 7051 140 56726 45447 91121 ... 18802 21294 56165 000 000	CW	(AB/MPJ)
M12	11536	8-11	1340	Fri	915 915 915 1 7051 140 7051 140 56726 45447 91121 ... 18802 21294 56165 000 000	CW	(AB/MPJ)
M12	7536	8-11	2050	Fri	581 581 581 000	CW	(AB)
M12	6836	8-11	2110	Fri	581 581 581 000	CW	(AB)
M12	6859	8-11	2200	Fri	849 849 849 000	CW	(AB/MPJ)
M12	7459	8-11	2220	Fri	849 849 849 000	CW	(AB/MPJ)
M12	8047	9-11	2000	Sat	463 463 463 1 2625 94 2625 94 76844 73522 28468 ... 97902 69240 58234 000 000	CW	(AB/MPJ)
M12	6802	9-11	2020	Sat	463 463 463 1 2625 94 2625 94 76844 73522 28468 ... 97902 69240 58234 000 000	CW	(AB/MPJ)
M12	5788	9-11	2040	Sat	463 463 463 1 2625 94 2625 94 76844 73522 28468 ... 97902 69240 58234 000 000	CW	(AB/MPJ)
M12	6859	9-11	2200	Sat	849 849 849 000	CW	(AB)
M12	7459	9-11	2220	Sat	849 849 849 000	CW	(AB)
M12	8119	10-11	0600	Sun	114 114 114 1 5696 73 5696 73 40355 20192 71274 ... 01523 22517 73183 000 000	CW	(AB)
M12	9119	10-11	0620	Sun	114 114 114 1 5696 73 5696 73 40355 20192 71274 ... 01523 22517 73183 000 000	CW	(AB)
M12	10419	10-11	0640	Sun	114 114 114 1 5696 73 5696 73 40355 20192 71274 ... 01523 22517 73183 000 000	CW	(AB)

M12	16296	11-11	1400	Mon	273 273 273 1 8521 181 8521 181 04942 12889 32373 ... 76629 57593 69362 000 000	CW	(AB-G/MPJ)
M12	14796	11-11	1420	Mon	273 273 273 1 8521 181 8521 181 04942 12889 32373 ... 76629 57593 69362 000 000	CW	(AB-G/MPJ)
M12	13396	11-11	1440	Mon	273 273 273 1 8521 181 8521 181 04942 12889 32373 ... 76629 57593 69362 000 000	CW	(AB-G/MPJ)
M12	8047	11-11	1800	Mon	463 463 463 1 6301 94 6301 94 28359 83966 68082 .. 72943 87795 09859 000 000	CW	(AB-G/MPJ)
M12	6802	11-11	1820	Mon	463 463 463 1 6301 94 6301 94 28359 83966 68082 .. 72943 87795 09859 000 000	CW	(AB-G/MPJ)
M12	5788	11-11	1840	Mon	463 463 463 1 6301 94 6301 94 28359 83966 68082 .. 72943 87795 09859 000 000	CW	(AB/MPJ)
M12	6937	11-11	2210	Mon	975 975 975 1 5102 34 5102 34 26471 17125 07284 ... 87929 75929 68569 000 000	CW	(AB/RL)
M12	5737	11-11	2230	Mon	975 975 975 1 5102 34 5102 34 26471 17125 07284 ... 87929 75929 68569 000 000	CW	(AB/RL)
M12	4547	11-11	2250	Mon	975 975 975 1 5102 34 5102 34 26471 17125 07284 ... 87929 75929 68569 000 000	CW	(AB/RL)
M12	9317	12-11	0530	Tue	135 135 135 1 1776 106 1776 106 12889 90299 20526 ... 94325 49496 27159 000 000	CW	(AB)
M12	10484	12-11	0550	Tue	135 135 135 1 1776 106 1776 106 12889 90299 20526 ... 94325 49496 27159 000 000	CW	(AB)
M12	8119	12-11	0600	Tue	114 114 114 000	CW	(AB)
M12	11552	12-11	0610	Tue	135 135 135 1 1776 106 1776 106 12889 90299 20526 ... 94325 49496 27159 000 000	CW	(AB)
M12	9119	12-11	0620	Tue	114 114 114 000	CW	(AB)
M12	13936	13-11	1310	Wed	915 915 915 1 7051 140 7051 140 56726 45447 91121 ... 18802 21294 56165 000 000	CW	(AB/MPJ)
M12	12136	13-11	1330	Wed	915 915 915 1 7051 140 7051 140 56726 45447 91121 ... 18802 21294 56165 000 000	CW	(AB/MPJ)
M12	11536	13-11	1340	Wed	915 915 915 1 7051 140 7051 140 56726 45447 91121 ... 18802 21294 56165 000 000	CW	(AB/MPJ)
M12	16296	13-11	1400	Wed	273 273 273 1 8521 181 8521 181 04942 12889 32373 ... 76629 57593 69362 000 000	CW	(AB-G/MPJ)
M12	14796	13-11	1420	Wed	273 273 273 1 8521 181 8521 181 04942 12889 32373 ... 76629 57593 69362 000 000	CW	(AB-G/MPJ)
M12	13396	13-11	1440	Wed	273 273 273 1 8521 181 8521 181 04942 12889 32373 ... 76629 57593 69362 000 000	CW	(AB-G/MPJ)
M12	12162	13-11	1710	Wed	546 546 546 1 7572 107 7572 107 57319 31341 20163 ... 15353 73276 65269 000 000	CW	(AB-FIN/MPJ)
M12	11566	13-11	1730	Wed	546 546 546 1 7572 107 7572 107 57319 31341 20163 ... 15353 73276 65269 000 000	CW	(AB-RUS/MPJ)
M12	10711	13-11	1750	Wed	546 546 546 1 7572 107 7572 107 57319 31341 20163 ... 15353 73276 65269 000 000	CW	(AB/MPJ)
M12	7536	13-11	2050	Wed	581 581 581 000	CW	(AB/RL)
M12	6836	13-11	2110	Wed	581 581 581 000	CW	(AB/RL)
M12	12162	14-11	1700	Thu	546 546 546 1 2559 105 2559 105 32433 05764 35303 ... 06460 34778 54700 000 000	CW	(AB-FIN/MPJ)
M12	11566	14-11	1720	Thu	546 546 546 1 2559 105 2559 105 32433 05764 35303 ... 06460 34778 54700 000 000	CW	(AB-FIN/MPJ)
M12	10711	14-11	1740	Thu	546 546 546 1 2559 105 2559 105 32433 05764 35303 ... 06460 34778 54700 000 000	CW	(AB-FIN/MPJ)
M12	12162	14-11	1800	Thu	546 546 546 1 7646 107 7646 107 74179 66565 00018 ... 53308 62398 98258 000 000	CW	(AB-FIN/MPJ)
M12	11566	14-11	1820	Thu	546 546 546 1 7646 107 7646 107 74179 66565 00018 ... 53308 62398 98258 000 000	CW	(AB-FIN/MPJ)
M12	10711	14-11	1840	Thu	546 546 546 1 7646 107 7646 107 74179 66565 00018 ... 53308 62398 98258 000 000	CW	(AB-FIN/MPJ)
M12	14377	14-11	2000	Thu	317 317 317 1 2331 108 2331 108 69494 20800 38653 ... 55933 90168 54049 000 000	CW	(AB)
M12	13461	14-11	2020	Thu	317 317 317 1 2331 108 2331 108 69494 20800 38653 ... 55933 90168 54049 000 000	CW	(AB)
M12	12114	14-11	2040	Thu	317 317 317 1 2331 108 2331 108 69494 20800 38653 ... 55933 90168 54049 000 000	CW	(AB)
M12	4537	14-11	2210	Thu	975 975 975 1 5102 34 5102 34 26471 17125 07284 ... 87929 75929 68569 000 000	CW	(RL)
M12	5737	14-11	2210	Thu	975 975 975 1 5102 34 5102 34 26471 17125 07284 ... 87929 75929 68569 000 000	CW	(RL)
M12	6937	14-11	2210	Thu	975 975 975 1 5102 34 5102 34 26471 17125 07284 ... 87929 75929 68569 000 000	CW	(RL)
M12	13936	15-11	1310	Fri	915 915 915 1 7051 140 7051 140 56726 45447 91121 ... 18802 21294 56165 000 000	CW	(AB/MPJ)
M12	12136	15-11	1330	Fri	915 915 915 1 7051 140 7051 140 56726 45447 91121 ... 18802 21294 56165 000 000	CW	(AB/MPJ)
M12	11536	15-11	1340	Fri	915 915 915 1 7051 140 7051 140 56726 45447 91121 ... 18802 21294 56165 000 000	CW	(AB/MPJ)

M12	7536	15-11	2050	Fri	581 581 581 000	CW	(RL)
M12	6836	15-11	2110	Fri	581 581 581 000	CW	(AB)
M12	6859	15-11	2200	Fri	849 849 849 000	CW	(AB/RL)
M12	7459	15-11	2220	Fri	849 849 849 000	CW	(AB/RL)
M12	8047	16-11	2000	Sat	463 463 463 1 7324 100 7324 100 54614 49768 10373 ... 08177 30622 52353 000 000	CW	(AB/MPJ)
M12	6802	16-11	2020	Sat	463 463 463 1 7324 100 7324 100 54614 49768 10373 ... 08177 30622 52353 000 000	CW	(AB/MPJ)
M12	5788	16-11	2040	Sat	463 463 463 1 7324 100 7324 100 54614 49768 10373 ... 08177 30622 52353 000 000	CW	(AB/MPJ)
M12	6859	16-11	2200	Sat	849 849 849 000	CW	(AB/RL)
M12	7459	16-11	2220	Sat	849 849 849 000	CW	(AB)
M12	8119	17-11	0600	Sun	114 114 114 000	CW	(AB)
M12	9119	17-11	0620	Sun	114 114 114 000	CW	(AB)
M12	16296	18-11	1400	Mon	273 273 273 1 8521 181 8521 181 04942 12889 32373 ... 76629 57593 69362 000 000	CW	(AB-RUS/MPJ)
M12	14796	18-11	1420	Mon	273 273 273 1 8521 181 8521 181 04942 12889 32373 ... 76629 57593 69362 000 000	CW	(AB-RUS/MPJ)
M12	13396	18-11	1440	Mon	273 273 273 1 8521 181 8521 181 04942 12889 32373 ... 76629 57593 69362 000 000	CW	(AB-RUS/MPJ)
M12	8047	18-11	1800	Mon	463 463 463 1 4564 95 4564 95 45614 29799 01939 ... 88164 89173 67339 000 000	CW	(AB-FIN/MPJ)
M12	6802	18-11	1820	Mon	463 463 463 1 4564 95 4564 95 45614 29799 01939 ... 88164 89173 67339 000 000	CW	(AB/MPJ)
M12	5788	18-11	1840	Mon	463 463 463 1 4564 95 4564 95 45614 29799 01939 ... 88164 89173 67339 000 000	CW	(AB/MPJ)
M12	6937	18-11	2210	Mon	975 975 975 000	CW	(AB/RL)
M12	5737	18-11	2230	Mon	975 975 975 000	CW	(AB/RL)
M12	13936	20-11	1310	Wed	915 915 915 000	CW	(AB)
M12	12136	20-11	1330	Wed	915 915 915 000	CW	(AB)
M12	16296	20-11	1400	Wed	273 273 273 1 8521 181 8521 181 04942 12889 32373 ... 76629 57593 69362 000 000	CW	(AB-G)
M12	14796	20-11	1420	Wed	273 273 273 1 8521 181 8521 181 04942 12889 32373 ... 76629 57593 69362 000 000	CW	(AB-G)
M12	13396	20-11	1440	Wed	273 273 273 1 8521 181 8521 181 04942 12889 32373 ... 76629 57593 69362 000 000	CW	(AB-G)
M12	12162	20-11	1710	Wed	546 546 546 1 8199 112 8199 112 86196 69362 14405 ... 68954 42643 71069 000 000	CW	(AB-FIN/MPJ-HNG)
M12	11566	20-11	1730	Wed	546 546 546 1 8199 112 8199 112 86196 69362 14405 ... 68954 42643 71069 000 000	CW	(AB-FIN/MPJ-HNG)
M12	10711	20-11	1750	Wed	546 546 546 1 8199 112 8199 112 86196 69362 14405 ... 68954 42643 71069 000 000	CW	(AB-FIN/MPJ-HNG)
M12	7536	20-11	2050	Wed	581 581 581 000	CW	(AB/RL)
M12	6836	20-11	2110	Wed	581 581 581 000	CW	(AB/RL)
M12	12162	21-11	1700	Thu	546 1 weak	CW	(HFD)
M12	12162	21-11	1700	Thu	546 546 546 1 9787 113 9787 113 06766 07036 21874 ... 06362 01023 40307 000 000	CW	(AB-FIN/MPJ-POL)
M12	11566	21-11	1720	Thu	546 1	CW	(HFD)
M12	11566	21-11	1720	Thu	546 546 546 1 9787 113 9787 113 06766 07036 21874 ... 06362 01023 40307 000 000	CW	(AB-FIN/MPJ-POL)
M12	10711	21-11	1740	Thu	546 1	CW	(HFD)
M12	10711	21-11	1740	Thu	546 546 546 1 9787 113 9787 113 06766 07036 21874 ... 06362 01023 40307 000 000	CW	(AB-FIN/MPJ-POL)
M12	14377	21-11	2000	Thu	317 317 317 1 8769 107 8769 107 27833 23372 92419 ... 82423 34045 29112 000 0000	CW	(AB)
M12	13461	21-11	2020	Thu	317 317 317 1 8769 107 8769 107 27833 23372 92419 ... 82423 34045 29112 000 0000	CW	(AB)
M12	12114	21-11	2040	Thu	317 317 317 1 8769 107 8769 107 27833 23372 92419 ... 82423 34045 29112 000 0000	CW	(AB)
M12	5737	21-11	2210	Thu	975 975 975 000	CW	(AB/RL)
M12	6937	21-11	2210	Thu	975 975 975 000	CW	(AB/RL)

M12	13936	22-11	1310	Fri	915 915 915 000	CW	(AB/MPJ)
M12	12136	22-11	1330	Fri	915 915 915 000	CW	(AB/MPJ)
M12	7536	22-11	2050	Fri	581 581 581 000	CW	(AB)
M12	6836	22-11	2110	Fri	581 581 581 000	CW	(AB)
M12	6859	22-11	2200	Fri	849 849 849 1 409 120 409 120 23975 18745 83203 ... 73655 65734 46175 000 000	CW	(AB)
M12	7459	22-11	2220	Fri	849 849 849 1 409 120 409 120 23975 18745 83203 ... 73655 65734 46175 000 000	CW	(AB)
M12	7959	22-11	2240	Fri	849 849 849 1 409 120 409 120 23975 18745 83203 ... 73655 65734 46175 000 000	CW	(AB)
M12	8047	23-11	2000	Sat	463 463 463 1 755 45 755 45 03685 42402 07507 ... 05111 18270 11290 000 000	CW	(AB)
M12	6802	23-11	2020	Sat	463 463 463 1 755 45 755 45 03685 42402 07507 ... 05111 18270 11290 000 000	CW	(AB)
M12	5788	23-11	2040	Sat	463 463 463 1 755 45 755 45 03685 42402 07507 ... 05111 18270 11290 000 000	CW	(AB)
M12	6859	23-11	2200	Sat	849 849 849 1 409 120 409 120 23975 18745 83203 ... 73655 65734 46175 000 000	CW	(AB/RL)
M12	7459	23-11	2220	Sat	849 849 849 1 409 120 409 120 23975 18745 83203 ... 73655 65734 46175 000 000	CW	(AB/RL)
M12	7959	23-11	2240	Sat	849 849 849 1 409 120 409 120 23975 18745 83203 ... 73655 65734 46175 000 000	CW	(AB/RL)
M12	8119	24-11	0600	Sun	114 114 114 000	CW	(AB)
M12	9119	24-11	0620	Sun	114 114 114 000	CW	(AB)
M12	16296	25-11	1400	Mon	273 273 273 1 2152 39 2152 39 45081 49508 58716 ... 47944 82285 61588 000 000	CW	(AB-KWT/MPJ)
M12	14796	25-11	1420	Mon	273 273 273 1 2152 39 2152 39 45081 49508 58716 ... 47944 82285 61588 000 000	CW	(AB-G/MPJ)
M12	13396	25-11	1440	Mon	273 273 273 1 2152 39 2152 39 45081 49508 58716 ... 47944 82285 61588 000 000	CW	(AB-G/MPJ)
M12	8047	25-11	1800	Mon	463 463 463 1 755 45 755 45 03685 42402 07507 ... 05111 18270 11290 000 000	CW	(AB-RUS/MPJ)
M12	6802	25-11	1820	Mon	463 463 463 1 755 45 755 45 03685 42402 07507 ... 05111 18270 11290 000 000	CW	(AB/MPJ)
M12	5788	25-11	1840	Mon	463 463 463 1 755 45 755 45 03685 42402 07507 ... 05111 18270 11290 000 000	CW	(AB/MPJ)
M12	6937	25-11	2210	Mon	975 975 975 000	CW	(AB/RL)
M12	5737	25-11	2230	Mon	975 975 975 000	CW	(AB/RL)
M12	9317	26-11	0530	Tue	135 135 135 1 3557 108 3557 108 77788 44017 56766 ... 07211 57872 50865 000 000	CW	(AB)
M12	10484	26-11	0550	Tue	135 135 135 1 3557 108 3557 108 77788 44017 56766 ... 07211 57872 50865 000 000	CW	(AB)
M12	8119	26-11	0600	Tue	114 114 114 1 8078 50 8078 50 61821 18817 59119 ... 39168 66424 58029 000 000	CW	(AB)
M12	11552	26-11	0610	Tue	135 135 135 1 3557 108 3557 108 77788 44017 56766 ... 07211 57872 50865 000 000	CW	(AB)
M12	9119	26-11	0620	Tue	114 114 114 1 8078 50 8078 50 61821 18817 59119 ... 39168 66424 58029 000 000	CW	(AB)
M12	10419	26-11	0640	Tue	114 114 114 1 8078 50 8078 50 61821 18817 59119 ... 39168 66424 58029 000 000	CW	(AB)
M12	13936	27-11	1310	Wed	915 915 915 000	CW	(AB)
M12	12136	27-11	1330	Wed	915 915 915 000	CW	(AB)
M12	16296	27-11	1400	Wed	273 1 2152 39 45081 49508 58716 ... 47944 82285 61588 000 000	CW	(MPJ)
M12	14796	27-11	1420	Wed	273 1 2152 39 45081 49508 58716 ... 47944 82285 61588 000 000	CW	(MPJ)
M12	13396	27-11	1440	Wed	273 1 2152 39 45081 49508 58716 ... 47944 82285 61588 000 000	CW	(MPJ)
M12	12162	27-11	1710	Wed	546 1 3039 112 75339 30602 48111 ... 98665 93275 81755 000 000	CW	(MPJ-RUS)
M12	11566	27-11	1730	Wed	546 1 3039 112 75339 30602 48111 ... 98665 93275 81755 000 000	CW	(MPJ-RUS)
M12	10711	27-11	1750	Wed	546 1 3039 112 75339 30602 48111 ... 98665 93275 81755 000 000	CW	(MPJ-RUS)
M12	7536	27-11	2050	Wed	581 581 581 000	CW	(AB/RL)
M12	6836	27-11	2110	Wed	581 581 581 000	CW	(AB)
M12	12162	28-11	1700	Thu	546 546 546 1 4208 104 4208 104 07364 29653 25651 ... 83700 59046 30630 000 000	CW	(AB-RUS/MPJ)

M12	11566	28-11	1720	Thu	546 546 546 1 4208 104 4208 104 07364 29653 25651 ... 83700 59046 30630 000 000	CW	(AB-RUS/MPJ)
M12	10711	28-11	1740	Thu	546 546 546 1 4208 104 4208 104 07364 29653 25651 ... 83700 59046 30630 000 000	CW	(AB-RUS/MPJ)
M12	12162	28-11	1800	Thu	546 546 546 1 6427 111 6427 111 23706 66261 93129 ... 77108 00953 45510 000 000	CW	(AB-RUS/MPJ)
M12	11566	28-11	1820	Thu	546 546 546 1 6427 111 6427 111 23706 66261 93129 ... 77108 00953 45510 000 000	CW	(AB-RUS/MPJ)
M12	10711	28-11	1840	Thu	546 546 546 1 6427 111 6427 111 23706 66261 93129 ... 77108 00953 45510 000 000	CW	(AB-RUS/MPJ)
M12	14377	28-11	2000	Thu	317 317 317 1 4395 101 4395 101 09113 63068 52640 ... 53630 30637 01222 000 000	CW	(AB)
M12	13461	28-11	2020	Thu	317 317 317 1 4395 101 4395 101 09113 63068 52640 ... 53630 30637 01222 000 000	CW	(AB)
M12	12114	28-11	2040	Thu	317 317 317 1 4395 101 4395 101 09113 63068 52640 ... 53630 30637 01222 000 000	CW	(AB)
M12	5737	28-11	2210	Thu	975 975 975 000	CW	(AB/RL)
M12	6937	28-11	2210	Thu	975 975 975 000	CW	(AB/RL)
M12	13936	29-11	1310	Fri	915 915 915 000	CW	(AB/MPJ)
M12	12136	29-11	1330	Fri	915 915 915 000	CW	(AB/MPJ)
M12	7536	29-11	2050	Fri	581 581 581 000	CW	(AB/RL)
M12	6836	29-11	2110	Fri	581 581 581 000	CW	(AB)
M12	6859	29-11	2200	Fri	849 849 849 1 409 120 409 120 23975 18745 83203 ... 73655 65734 46175 000 000	CW	(AB)
M12	7459	29-11	2220	Fri	849 849 849 1 409 120 409 120 23975 18745 83203 ... 73655 65734 46175 000 000	CW	(AB)
M12	7959	29-11	2240	Fri	849 849 849 1 409 120 409 120 23975 18745 83203 ... 73655 65734 46175 000 000	CW	(AB)
M12	8047	30-11	2000	Sat	463 463 463 1 9539 100 9539 100 55064 63505 76316 ... 28122 73638 74055 000 000	CW	(AB/MPJ)
M12	6802	30-11	2020	Sat	463 463 463 1 9539 100 9539 100 55064 63505 76316 ... 28122 73638 74055 000 000	CW	(AB/MPJ)
M12	5788	30-11	2040	Sat	463 463 463 1 9539 100 9539 100 55064 63505 76316 ... 28122 73638 74055 000 000	CW	(AB)
M12	6859	30-11	2200	Sat	849 849 849 1 409 120 409 120 23975 18745 83203 ... 73655 65734 46175 000 000	CW	(AB/RL)
M12	7459	30-11	2220	Sat	849 849 849 1 409 120 409 120 23975 18745 83203 ... 73655 65734 46175 000 000	CW	(AB/RL)
M12	7959	30-11	2240	Sat	849 849 849 1 409 120 409 120 23975 18745 83203 ... 73655 65734 46175 000 000	CW	(AB/RL)
M14	4813	1-11	1900	Fri	735 735 735 00000	MCW	(AB/ES/HFD)
M14	4480	1-11	1951	Fri	Test: 3147 8431	MCW	(AB/HFD)
M14	4480	1-11	2000	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	4730	2-11	0800	Sat	523 523 523 00000	MCW	(AB/HFD)
M14	4650	2-11	0900	Sat	523 721 721 36 36 8 8 89012 56790 1235 41235 ... 17236 21060 84590 721 521 36 36 = = 00000	MCW	(AB/HFD)
M14	4443	5-11	1600	Tue	239 239 239 00000	MCW	(AB/MPJ)
M14	4443	5-11	1610	Tue	239 0 late start	CW	(HFD)
M14	5420	6-11	1600	Wed	239 239 239 00000	MCW	(AB/MPJ/ES)
M14	4730	9-11	0800	Sat	523 423 423 23 23 = = 74381 53290 84616 ... 74281 64709 89361 423 423 23 23 = = 00000	MCW	(AB)
M14	4650	9-11	0900	Sat	523 423 423 23 23 = = 74381 53290 84616 ... 74281 64709 89361 423 423 23 23 = = 00000	MCW	(AB)
M14	17458	10-11	0930	Sun	617 852 852 93 93 = = 00793 76546 37316 ... 37106 88574 70130 = = 852 852 93 93 00000	CW	(AB/HFD)
M14	4636	12-11	1820	Tue	186 641 641 41 41 = = 77630 47197 56306 ... 72254 16498 37813 641 641 41 41 = = 00000	MCW	(AB/MPJ/HFD)
M14	4761	13-11	1920	Wed	748 641 641 41 41 = = 77630 47197 56306 ... 72254 16498 37813 641 641 41 41 = = 00000	MCW	(AB/MPJ)
M14	4813	15-11	1900	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	4480	15-11	2000	Fri	735 735 735 00000	MCW	(AB/MPJ)
M14	4443	19-11	1600	Tue	239 239 239 00000	MCW	(AB/FT)
M14	5432	20-11	1532	Wed	Test i.p. 029 43125 03465 90468 75512 28427 97153 95533 52328 54394 10935 53370 03606	MCW	(AB)

					22722 17733 57044 64647 10915 62		
M14	5432	20-11	1600	Wed	239 239 239 00000	MCW	(AB)
M14	4730	23-11	0800	Sat	523 577 577 32 32 == 70045 13213 67678 ... 12433 45567 21213 == 577 577 32 32 00000	MCW	(AB-POL)
M14	4650	23-11	0900	Sat	523 577 577 32 32 == 70045 13213 67678 ... 12433 45567 21213 == 577 577 32 32 00000	MCW	(AB-POL)
M14	17458	25-11	0930	Mon	617 852 852 93 93 == 00793 76546 37316 ... 37106 88574 70130 == 852 852 93 93 00000	CW	(AB-RUS)
M14	4636	26-11	1820	Tue	186 126 126 35 35 == 94815 17778 59092 ... 49132 39369 76266 == 126 126 30 30 000	MCW	(AB/MPJ)
M14	4761	27-11	1920	Wed	748 167 167 30 30 == 16958 38993 46166 ... 79900 40469035552655816 66590 == 167 167 30 30 (no zeros at the end)	MCW	(AB/MPJ)
M14	4730	30-11	0800	Sat	523 521 521 37 37 == 90164 36186 42751 ... 16498 37813 54720 521 521 37 37 == 0000	MCW	(AB-POL)
M14	4650	30-11	0900	Sat	523 521 521 37 37 == 90164 36186 42751 ... 16498 37813 54720 521 521 37 37 == 0000	MCW	(AB-POL)
M21	4274	1-11	1001	Fri	=991301??8???? =991302??8???? =991303??8????	CW	(F5JBR)
M21	7949.5	3-11	1055	Sun	i.p.	CW	(EW)
M21	4221	4-11	0718	Mon	=990918??0???? =990919??0???? =990920??0????	CW	(F5JBR)
M21	7949.5	4-11	0820	Mon	=99?1120?9???? =99?1122?9???? =99?1124?9????	CW	(F5JBR)
M21	6791	8-11	0657	Fri	=990955??8???? =990956??8???? =990957??8????	CW	(F5JBR)
M21	4349.5	8-11	0811	Fri	=991111??0???? =991112??0???? =991113??0???? //4613 kHz	CW	(F5JBR)
M21	5219	8-11	0844	Fri	=991144??0???? =991145??0???? =991146??0???? //4349.5 kHz	CW	(F5JBR)
M21	8023	9-11	0444	Sat	=99?0744?9???? =99?0746?9???? =99?0748?9???? //7949.5 kHz	CW	(F5JBR-J)
M21	7949.5	9-11	0457	Sat	=99?0757?9???? =99?0759?9???? =99?0801?9???? //8023 kHz	CW	(F5JBR-J)
M21	4349.5	9-11	0539	Sat	=14505469397936 =14502467163938 =990839??0???? =14504467151838	CW	(F5JBR)
M21	2801.5	9-11	1026	Sat	=991326??0???? =991327??0???? =991328??0????	CW	(F5JBR)
M21	3316	10-11	0722	Sun	=99?1022?9???? =99?1024?9???? =99?1026?9????	CW	(F5JBR)
M21	4754.5	10-11	0921	Sun	=99?1221??0???? =99?1222??0???? =99?1223??0????	CW	(F5JBR)
M21	4349.5	10-11	1500	Sun	=991800??0???? =991801??0???? =991802??0????	CW	(F5JBR)
M21	6791	21-11	0713	Thu	Russian Air Defense =991012??8???? =991013??8???? =991014??8????	CW	(F5JBR-J)
M21	6323	21-11	0720	Thu	Russian Air Defense =99?1021??9???? =99?1023??9???? =99?1025??9????	CW	(F5JBR-J)
M21	4349.5	21-11	0750	Thu	Russian Air Defense =991050??0???? =991051??0???? =991052??0????	CW	(F5JBR-J)
M21	3616.5	22-11	0852	Fri	Russian Air Defense =992152??0???? =992153??0???? =992154??0????	CW	(F5JBR-J)
M21	8023	23-11	0709	Sat	Russian Air Defense =99?1009?9???? =99?1011?9???? =99?1013?9????	CW	(F5JBR-KOR)
M21	5860.5	23-11	0830	Sat	Russian Air Defense =991134??0???? =991135??0???? =991136??0????	CW	(F5JBR)
M32	6087.5	14-11	1341	Thu	XXX XXX 1QRF 1QRF 90576 STEPOFETR 4519 6242 TOKSOPLAZM 5514 3540 K	CW	(Gwr)
M32	6087.5	14-11	1402	Thu	XXX XXX 1QRF 1QRF 58685 TITROGROB 6337 4120 GUAMOTAU 6290 7511 K	CW	(Gwr)
M32	5373	27-11	1230	Wed	XXX XXX ONG4 ONG4 37978 NEMIRNYJ 5367 4363 ZAIROBOB 4363 1276 K	CW	(Gwr)
M32	5373	29-11	1120	Fri	XXX XXX ONG4 ONG4 39596 GITOSHKT 3284 6206 K	CW	(Gwr)
M32a	8627	5-11	0944	Tue	i.p. Russian Navy Kaliningrad REO REO REO DE RMP RMP QTC 352 27 5 1209 352 = 11111 70719 88673 ...	CW	(AB)
M32a	8627	5-11	1000	Tue	Russian Navy Kaliningrad REO REO REO DE RMP RMP QTC 129 22 5 1213 129 = 11111 40736 13904 38887 33158 ...	CW	(AB)
M32a	8627	5-11	1020	Tue	Russian Navy Kaliningrad REO REO REO DE RMP RMP QTC 839 10 5 1216 839 = 11111 47388 62719 12300 75195 ...	CW	(AB)

M32a	8627	5-11	1020	Tue	Russian Navy Kaliningrad REO REO REO DE RMP RMP QTC 752 10 5 1215 752 = 11111 86008 67852 83159 81447 ...	CW	(AB)
M32a	4244	7-11	1211	Thu	i.p. RCC de RJP42 QSA ? K RJP42 257 14 7 1502 257 = FM RJP42 FOR RJH45 RWS38 =	CW	(JPL-RUS)
M32b	8816	18-11	1114	Mon	rjc38 rjf94 de 30682 qto 1105 qrd XLDR XLMD qre 1305 qbd 0500 k	CW	(WP3)
M32b	8816	18-11	1129	Mon	rjf94 rjc38 de 45941 qto 1115 qrd XUMU XLMD qbd 0430 qre 1315 k	CW	(WP3)
M42	13535	1-11	1013	Fri	Russian diplo	MFSK-66	(AB)
M42	12184	1-11	1025	Fri	Russian diplo	MFSK-66	(AB)
M42	6896	14-11	1828	Thu	Russian diplo/intel.	Serdolik	(AB)
M42	13439	19-11	0951	Tue	Russian diplo	MFSK	(AB)
M42	10128	19-11	0952	Tue	Russian diplo	MFSK	(AB)
M42	13427	25-11	0812	Mon	Russian Intel.	5xMFSK-16/250Bd BPSK	(AB)
M42	12163	25-11	1237	Mon	Russian Embassy Sofia wkg MFA Moscow. QSX 13427 kHz	USB/MFSK-35	(Danix)
M42	13427	25-11	1237	Mon	MFA Moscow wkg Embassy Sofia. QSX 12163 kHz	USB/MFSK-35	(Danix)
M42	6896	25-11	1821	Mon	Russian Intel.	MFSK-16/125Bd/250Hz FSK	(AB)
M42	6896	25-11	2224	Mon	Russian Intel.	Serdolik	(AB)
M42	13964	26-11	0808	Tue	Russian diplo/intel. i.p.	MFSK	(AB)
M42	14634	27-11	0801	Wed	Russian diplo/intel. i.p.	MFSK	(AB)
M42	16313	27-11	1222	Wed	MFA Moscow wkg Embassy Dar es Salaam. QSX 17461 kHz	USB/MFSK-35	(Danix)
M42	17461	27-11	1222	Wed	Russian Embassy Dar es Salaam wkg MFA Moscow. QSX 16313 kHz	USB/MFSK-35	(Danix)
M42	6954	27-11	1649	Wed	Russian Embassy Lisbon simplex traffic to MFA Moscow	USB/MFSK-32+OFDM-60	(Danix)
M42	13964	28-11	0812	Thu	Russian diplo/intel.	MFSK	(AB)
M42	12090	28-11	1204	Thu	MFA Moscow wkg Embassy Dar es Salaam. QSX 17461 kHz	USB/MFSK-35	(Danix)
M42	14635	28-11	1204	Thu	MFA Moscow wkg Embassy Athens. Sending tfc to Athens and then idling/chatting for about 20 minutes. QSX 12103 kHz	MFSK-66	(Danix)
M42	12164	29-11	1023	Fri	Russian diplo/intel i.p.	MFSK	(AB)
M42b	4524	2-11	0631	Sat	MAST wkg VBTW. Opchat in CW. Messages in FSK 50/500	CW	(F5JBR)
M42b	4856	4-11	0620	Mon	MAST wkg VBTW. Opchat in CW. Messages in FSK 50/500	CW	(F5JBR)
M42b	5794	30-11	0811	Sat	DJRG wkg OPGC	CW	(F5JBR)
M42b	5764	30-11	0813	Sat	DJRG wkg OPGC traffic in FSK 50BD/500Hz	CW	(F5JBR)
M51a	3881	30-11	0920	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 followed by two messages //6825 kHz	CW	(AB)
M51a	6825	30-11	0920	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 followed by two messages //3881 kHz	CW	(AB)
M51b	3881	30-11	0857	Sat	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	30-11	0857	Sat	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M89	5069	8-10	1112	Tue	i.p.	CW	(EW)
M89	6913	3-11	0822	Sun	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	3-11	0822	Sun	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	7077	3-11	0824	Sun	i.p. JYA5/ZM5W AR QSYU 60 Z QSY VVV 3ANZ EEEE	CW	(JPL)
M89	4835	3-11	0839	Sun	i.p. R RPT 16W TO 19W = TDAU TDAU AD3D AT3D AR K	CW	(JPL)
M89	3156	3-11	0850	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)

M89	3597	3-11	0850	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	5177	4-11	1054	Mon	V 3DAU (x3) DE GU5H (x2)	CW	(JPL)
M89	5023	4-11	1057	Mon	VV WGHY DE DVBH K. R QSA 2 IEC = G2H8 AR K. R RPT K	CW	(JPL)
M89	3156	4-11	1156	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	4-11	1156	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3178	4-11	1158	Mon	i.p. R RPT 34W 7U54 7U54 K. R RPT 38W TO 40W = 6U6D 6U6D 6UNN 6UNN 3U6U 3U6U AR K	CW	(JPL)
M89	5177	5-11	1102	Tue	V 3DAU (x3) DE GU5H (x2)	CW	(JPL)
M89	3716	5-11	1110	Tue	i.p. 3AT7 4DAN 4U35 A3D7 TN3U ...	CW	(JPL)
M89	3360	5-11	1113	Tue	i.p. RPT 39W = = 7653 AR K R RPT (Other station also on this frequency) R QSL 1914 K R K SK SK SK	CW	(JPL)
M89	3156	5-11	1119	Tue	V 3JWV (x3) DE QH4P (x2) = 056/9195/95.../28/50///.8/6 AR /55/28/5082/528/6 AR //3597 and 7397	CW	(JPL)
M89	3597	5-11	1119	Tue	V 3JWV (x3) DE QH4P (x2) = 056/9195/95.../28/50///.8/6 AR /55/28/5082/528/6 AR //3156 and 7397	CW	(JPL)
M89	7397	5-11	1119	Tue	V 3JWV (x3) DE QH4P (x2) = 056/9195/95.../28/50///.8/6 AR /55/28/5082/528/6 AR //3597 and 3156	CW	(JPL)
M89	3842	5-11	1127	Tue	V K9S3 (x3) DE Q5R2 (x2) //4135 sending different round slip	CW	(JPL)
M89	4135	5-11	1127	Tue	V 3DAU (x3) DE GU5H (x2) //3842 sending different round slip	CW	(JPL)
M89	4886	5-11	1802	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4131	5-11	1837	Tue	V JKDJ (x3) DE SLBC (x2) //4886	CW	(JPL)
M89	4886	5-11	1837	Tue	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	3156	6-11	2201	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	6-11	2201	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4135	6-11	2204	Wed	V 3DAU (x3) DE GU5H (x2)	CW	(JPL)
M89	5177	7-11	1153	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4135	7-11	1158	Thu	V 3DAU (x3) DE GU5H (x2)	CW	(JPL)
M89	3156	7-11	1200	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	7-11	1200	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4222	7-11	1214	Thu	i.p. U RPT GA K R 61W K RPT 61W K (Cont'd ask for repeats) QSL 2026 K	CW	(JPL)
M89	4221	7-11	1648	Thu	i.p. R HR MSG GA K R MSG NR 8281 CK 100 21 1008 0030 RMKS 800 TO 8541 = ..U76 4DUN 5.73 36U7 DN4A 753N A6.7 (Cont'd)	CW	(JPL)
M89	4135	7-11	1652	Thu	V 3DAU (x3) DE G25H (x2) now sending 3D1U DE G25H.. //3842 sending different roundslip	CW	(JPL)
M89	3842	7-11	1658	Thu	V 8FDH (x3) DE 5J9K (x2) //4135 sending different round slip	CW	(JPL)
M89	4131	7-11	2004	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	7397	8-11	0710	Fri	8FDH de QH4P V //6913 kHz	CW	(F5JBR-J)
M89	6200	8-11	0739	Fri	JHYF de DFK8 HR NR 064/EX 1539 RMKS CQ = E14H/AN5B AR JHYF de DFK8 HR NR 065/EX 1542 RMKS CQ = DJ4F/XXQS AR	CW	(F5JBR-J)
M89	10563	9-11	0423	Sat	V 3D1U de G25H V MSG NR 035 499 50 1109 1230 = 035CK 499 50 1109 1230 = 75U7 73A3 ...	CW	(F5JBR-J)
M89	10563	9-11	0423	Sat	3D1U de G25H V MSG NR 035 499 50 1109 1230 = 035CK 499 50 1109 1230 = 75U7 73A3 ...	CW	(F5JBR-J)
M89	5858	9-11	0858	Sat	V 8FDH (x3) DE 5J9K (x2) //10563 sending different round slip	CW	(JPL)
M89	10563	9-11	0858	Sat	V 3D1U (x3) DE G25H (x2) //10563 sending different round slip	CW	(JPL)

M89	5177	9-11	0905	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6913	9-11	0909	Sat	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	9-11	0909	Sat	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	4787	9-11	0912	Sat	i.p. R U 7G GA K R GA K NR 001 CK .. 044 1.. 08 ... RMKS 3.. TO ... AR QSL 074 K HR WK NR 0718 K NIL SK NIL SK TLLSI EEEE CALL HR	CW	(JPL)
M89	7620	9-11	0930	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	9-11	0930	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	5177	10-11	1142	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	10-11	1448	Sun	V 3JWV de QH4P //3597 kHz	CW	(F5JBR-J)
M89	4131	12-11	1416	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3850	12-11	1420	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	12-11	1420	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89	6840	12-11	1420	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	3156	12-11	1426	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	12-11	1426	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3254	12-11	1430	Tue	i.p. 6NN5 NA45 7T4N 3NNT D64T ... QSL ? HR WK NR 305 305 K	CW	(JPL)
M89	3254	12-11	2232	Tue	i.p. MSG NR 141 CK 121 75 3113 E628 RMKS 0969 TO 0486 K 4NN7 D6T7 U3ND 5A76 ...	CW	(JPL)
M89	5177	14-11	1005	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5190	14-11	1007	Thu	i.p. HR MSG .. K AGN R HR NIL SK NIL K HR MSG GA K MSG NR 041 C99 4 EEEEE NR 041 C99 EEEE ...	CW	(JPL)
M89	3156	14-11	1036	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	14-11	1036	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4261	14-11	1036	Thu	i.p. HR MSG GA NR 1573 CK 70 17 1114 1830 RMKS CQ = 7A43 TN5D 73A4 ...	CW	(JPL)
M89	5858	17-11	2315	Thu	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	3156	17-11	2318	Thu	V 3JWV (x3) DE QH4P (x2) //3597 and 6913 and 7397	CW	(JPL)
M89	3597	17-11	2318	Thu	V 3JWV (x3) DE QH4P (x2) //3156 and 6913 and 7397	CW	(JPL)
M89	6913	17-11	2318	Thu	V 3JWV (x3) DE QH4P (x2) //3156 and 3597 and 7397	CW	(JPL)
M89	7397	17-11	2318	Thu	V 3JWV (x3) DE QH4P (x2) //3156 and 3597 and 6913	CW	(JPL)
M89	6913	18-11	0719	Mon	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	18-11	0719	Mon	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5920	18-11	0720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 10640	CW	(JPL)
M89	6840	18-11	0720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 10640	CW	(JPL)
M89	10640	18-11	0720	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	7620	18-11	0730	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	18-11	0730	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	5177	18-11	0737	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4131	18-11	1323	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	18-11	1339	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	18-11	1339	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3643	18-11	1342	Mon	(i.p. AU6N 3DD3 3A77 5375	CW	(JPL)

M89	4135	18-11	2152	Mon	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	5177	19-11	1128	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	19-11	1645	Tue	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	19-11	1645	Tue	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	5920	20-11	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 10640	CW	(JPL)
M89	6840	20-11	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 10640	CW	(JPL)
M89	10640	20-11	1020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	3156	20-11	1022	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	20-11	1022	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	5858	20-11	1027	Wed	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	7620	20-11	1030	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	20-11	1030	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	5177	20-11	1033	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4131	20-11	1710	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3844	20-11	1711	Wed	(i.p. R RPT 03W TO 4W K R RPT 3W TO 4W = AU34 T56D AR K R RPT 40W K R RPT 40W 0127 0127 K	CW	(JPL)
M89	3842	20-11	1733	Wed	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	4131	21-11	0127	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6913	21-11	0144	Thu	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	21-11	0144	Thu	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	4720	21-11	1230	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	21-11	1230	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5177	21-11	1230	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	21-11	1237	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	21-11	1237	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3600	21-11	1238	Thu	i.p. 1P 1P BT N4AN 476T 6A3D N4TU UATU N536 D4TU (Cont'dz)	CW	(JPL)
M89	4123	21-11	1243	Thu	i.p. QSY TO 50 50 QSY TO 50 50 QSY TO 50 50 K K BB VGHG VGHG K K QSA 2 QSA 2 K R R ICE = 8058 K K R R OK	CW	(JPL)
M89	6913	22-11	0041	Fri	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	22-11	0041	Fri	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	10232	22-11	0041	Fri	i.p. T3DT 7N36 NA6U 6UA5 AR K N RPT .. K (Other station also on this frequency)	CW	(JPL)
M89	5858	22-11	0043	Fri	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	7912	22-11	0315	Fri	i.p. 6734 3N67 6NU3 7TUN AR QSL 1115 QSL 1115 K (Other station also on this frequency) OK R K SK SK	CW	(JPL)
M89	5724	22-11	0327	Fri	i.p. R QSL ? 1115 K R OK K R NIL SK K	CW	(JPL)
M89	5920	22-11	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 10640	CW	(JPL)
M89	6840	22-11	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 10640	CW	(JPL)
M89	10640	22-11	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5858	22-11	1028	Fri	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	7620	22-11	1030	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)

M89	8350	22-11	1030	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	3156	22-11	1036	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	22-11	1036	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	5177	22-11	1041	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5137	22-11	1043	Fri	i.p. 67DA 547D 6T3A 7U45 DA7U AR VV Z2RZ DE P1QT K QSL ? K R U WK EEEE R U WK NR GA K	CW	(JPL)
M89	4952	22-11	1057	Fri	V QWS1 (x3) DE 87DS (x2) Previously sent as QWS1 DE 8ZDS	CW	(JPL)
M89	4056	22-11	1107	Fri	i.p. R 7G NR 004 CK 99 81 1122 1909 RMKS 5835 TO 8838 = AU63 457D NTDA 5U34 67NT AU34 T5N6 7DA3 T54U D76N (Cont'd)	CW	(JPL)
M89	4082	22-11	1107	Fri	i.p. R RPT 90W TO 91W = 36T7 A567 AR K (Cont'd repeat groups)	CW	(JPL)
M89	4131	22-11	1748	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4131	22-11	1844	Fri	JKDJ de SLBC V	CW	(F5JBR-J)
M89	3597	22-11	1910	Fri	3JWV de QH4P V //3156 kHz	CW	(F5JBR-J)
M89	5858	23-11	0718	Sat	8FDH de 5J9K V	CW	(F5JBR-KOR)
M89	5177	23-11	0756	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6913	23-11	0806	Sat	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	23-11	0806	Sat	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5858	23-11	0817	Sat	8DH de 5J9K V	CW	(F5JBR-KOR)
M89	4131	23-11	1315	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	23-11	1316	Sat	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	23-11	1316	Sat	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3850	23-11	1320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620 and 4860 and 5920 and 6840	CW	(JPL)
M89	4620	23-11	1320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860 and 5920 and 6840	CW	(JPL)
M89	4860	23-11	1320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4620 and 5920 and 6840	CW	(JPL)
M89	5920	23-11	1320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4620 and 4860 and 6840	CW	(JPL)
M89	6840	23-11	1320	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4620 and 4860 and 5920	CW	(JPL)
M89	4720	23-11	1330	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	23-11	1330	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	6913	24-11	0515	Sun	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	24-11	0515	Sun	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5920	24-11	0520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 8360 and 10640	CW	(JPL)
M89	6840	24-11	0520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 8290 and 8360 and 10640	CW	(JPL)
M89	8290	24-11	0520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8360 and 10640	CW	(JPL)
M89	8360	24-11	0520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8290 and 10640	CW	(JPL)
M89	10640	24-11	0520	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8290 and 8360	CW	(JPL)
M89	5328	24-11	0803	Sun	P2XZ wkg PG2W	CW	(F5JBR-KOR)
M89	8228	24-11	1006	Sun	DP91 (x3) DE CQ (x2) V HR NIL SK GB NIL SK GB HR NIL SK GB (X14)	CW	(JPL)
M89	5920	24-11	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 8360 and 10640	CW	(JPL)
M89	6840	24-11	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 8290 and 8360 and 10640	CW	(JPL)
M89	8290	24-11	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8360 and 10640	CW	(JPL)
M89	8360	24-11	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8290 and 10640	CW	(JPL)

M89	10640	24-11	1020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8290 and 8360	CW	(JPL)
M89	7620	24-11	1030	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	24-11	1030	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	3156	24-11	1031	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	24-11	1031	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3842	24-11	1557	Sun	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	3842	24-11	1745	Sun	V 3JWV (x3) DE QH4P (x2) //4952	CW	(JPL)
M89	4952	24-11	1745	Sun	V QWS1 (x3) DE 87DS (x2) //3842	CW	(JPL)
M89	3344	24-11	1749	Sun	i.p. 5T6U N4U6 4T7A N3D4	CW	(JPL)
M89	7596	25-11	0304	Mon	i.p. QSA 2 K R R QSA 2 IEC = 64 AR R IEC = 20 AR K RRR HR WK NR 812 MSG GA K R HR F GA K	CW	(JPL)
M89	6971	25-11	0313	Mon	i.p. R QSA 2 K R IEC = 9486 AR K R GA R RPT NR K R QSL 1117 K R HR MSG GA K	CW	(JPL)
M89	5177	25-11	0331	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	8004	25-11	0335	Mon	1.p. 67NT 4D5U 5544 DNDDN	CW	(JPL)
M89	8059	25-11	0335	Mon	574N NA57 DA64 43A3 UA45	CW	(JPL)
M89	6810	25-11	0347	Mon	i.p. R RPT 1W R RPT 1W TTT3 TTT3 TTT3 K RPT 3W R RPT 3W TTT4 TTT4 ... OK QSL 1152 K OK HR NR L NIL NIL SK SK GB GB	CW	(JPL)
M89	6913	25-11	0355	Mon	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	25-11	0355	Mon	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5177	25-11	1042	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5687	25-11	1045	Mon	V 8FDH (x3) DE 5J9K (x2) D375 5TDA DU3N N3D3 ...	CW	(JPL)
M89	3842	25-11	1052	Mon	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	4952	25-11	1052	Mon	V QWS1 (x3) DE 87DS (x2) //3842 sending different round slip	CW	(JPL)
M89	4131	25-11	1616	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	25-11	1618	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	25-11	1618	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	5920	26-11	0820	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 8360 and 10640	CW	(JPL)
M89	6840	26-11	0820	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 8290 and 8360 and 10640	CW	(JPL)
M89	8290	26-11	0820	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8360 and 10640	CW	(JPL)
M89	8360	26-11	0820	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8290 and 10640	CW	(JPL)
M89	10640	26-11	0820	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8290 and 8390	CW	(JPL)
M89	7620	26-11	0830	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	26-11	0830	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	5177	26-11	0835	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6913	26-11	0844	Tue	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	26-11	0844	Tue	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	5858	26-11	0851	Tue	V 8FDH (x3) DE 5J9K (x2) //10536 sending different round slip	CW	(JPL)
M89	5177	27-11	0937	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	27-11	0948	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	27-11	0948	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	5177	28-11	0027	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)

M89	4866	28-11	0110	Thu	i.p. HR QRJ U QSY NR 1 K AGN HR QRJ U QSY NR 1 K	CW	(JPL)
M89	5510	28-11	0255	Thu	i.p. OK RPT 11W = = = TU66 TU66 AR W 20W R RPT 20W	CW	(JPL)
M89	7512	28-11	0302	Thu	i.p. DP3091 DE DP91 CL K DP3091 DE DP9 AR QSA AR NIL E IK E E GB E	CW	(JPL)
M89	10321	28-11	0942	Thu	i.p. VV WYFV DE FRE6 K R QSA 1 HR ... K HR 7G GA 7G NR 12. CK 99 93 1128 175EEEE	CW	(JPL)
M89	10356	28-11	0949	Thu	i.p. 6U54 64T3 UTA7 U64D 74TD AR QSL ? K	CW	(JPL)
M89	8228	28-11	1000	Thu	V DP91 (x3) DE CQ (x2) HR NIL SK GB	CW	(JPL)
M89	6554	28-11	1003	Thu	V DP91 (x3) DE CQ (x2)	CW	(JPL)
M89	3156	28-11	1016	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	28-11	1016	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	5858	28-11	1021	Thu	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	5042	28-11	1024	Thu	i.p. 6NAD UAD6 T37D 63D3 5NN6 AR QSL ? K R RPT PBL 7G NR 097 161 15 1128 1800 RMKS EEEEEE	CW	(JPL)
M89	5144	28-11	1031	Thu	i.p. D3A5 7NND 76NN 4T3T	CW	(JPL)
M89	5177	28-11	1159	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4952	28-11	1292	Thu	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	5555	28-11	1536	Thu	(i.p. PQAL DE CWAL K QSA 3 QSA ? K PQAL DE CWAL K CWAD DE PQAL QSA 3 QSA ? K	CW	(JPL)
M89	3205	28-11	1908	Thu	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	3177	29-11	0152	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6913	29-11	0158	Fri	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	29-11	0158	Fri	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	8228	29-11	0203	Fri	V DP91 (x3) DE CQ (x2)	CW	(JPL)
M89	6554	29-11	0204	Fri	V DP91 (x3) DE CQ (x2) HR 7UN 64 ? = D4NU 7U BT 64 ? = D4NU SNR SK GB	CW	(JPL)
M89	5858	29-11	0918	Fri	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89	3156	29-11	0919	Fri	V 3JWV (x3) DE QH4P (x2) //3597 and 6913	CW	(JPL)
M89	3597	29-11	0919	Fri	V 3JWV (x3) DE QH4P (x2) //3156 and 6913	CW	(JPL)
M89	6913	29-11	0919	Fri	V 3JWV (x3) DE QH4P (x2) //3156 and 3597	CW	(JPL)
M89	5920	29-11	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 8360 and 10640	CW	(JPL)
M89	6840	29-11	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 8290 and 8360 and 10640	CW	(JPL)
M89	8290	29-11	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8360 and 10640	CW	(JPL)
M89	8360	29-11	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8290 and 10640	CW	(JPL)
M89	10640	29-11	0920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840 and 8290 and 8360	CW	(JPL)
M89	7620	29-11	0930	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	29-11	0930	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	4131	30-11	1621	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	30-11	2051	Sat	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	30-11	2051	Sat	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	3842	30-11	2056	Sat	V 8FDH (x3) DE 5J9K (x2)	CW	(JPL)
M89v	4835	3-11	0845	Sun	Switched to voice traffic	USB	(JPL)
M95	9054	30-10	0925	Wed	i.p.	CW	(EW)
M95	5801	3-11	0808	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)

M95	10180	3-11	0808	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	4-11	1028	Mon	V DKG6 (x3) DE 3A7D (x2) VVV HR SVC GA NR 019 1830 RMKS 6354 TO 6635 = CL/1900/Z=/6354/6635 AR QSL ? HR WK NR 130 //10180	CW	(JPL)
M95	10180	4-11	1028	Mon	V DKG6 (x3) DE 3A7D (x2) VVV HR SVC GA NR 019 1830 RMKS 6354 TO 6635 = CL/1900/Z=/6354/6635 AR QSL ? HR WK NR 130 //5801	CW	(JPL)
M95	4364	4-11	1143	Mon	BNGC DE XSV85 HR MSGS GA PSE CY NR 0943 CK 382 35 1104 1603 = TT4 3U6 3AN ... //8073	CW	(JPL)
M95	8073	4-11	1143	Mon	BNGC DE XSV85 HR MSGS GA PSE CY NR 0943 CK 382 35 1104 1603 = TT4 3U6 3AN ... //4364	CW	(JPL)
M95	4243	4-11	1149	Mon	VV HR MSG TO YR PSE CY NR 16 CK 22 35 1104 1527 = 5AA UTT T64 ...	CW	(JPL)
M95	5801	5-11	1025	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	5-11	1025	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	7846	5-11	1033	Tue	i.p. IEC = 9228 K K R AR EEEE IEC = 9228 = K R IEC = 9228 AR K RR HR NOT EEEEE R HR NR NOT K	CW	(JPL)
M95	3642	5-11	1800	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	5-11	1800	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	6-11	2159	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	6-11	2159	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4243	7-11	1146	Thu	i.p. N3D 353 336 N3U 354 373 AR A HR MSG GA NR 33 CK 19 35 1107 1555 = //9054	CW	(JPL)
M95	9054	7-11	1146	Thu	i.p. N3D 353 336 N3U 354 373 AR A HR MSG GA NR 33 CK 19 35 1107 1555 = //4243	CW	(JPL)
M95	5801	7-11	1151	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	7-11	1151	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	7-11	1658	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	7-11	1658	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5396	8-11	0847	Fri	3U3D de 5IUI V (QX on 5453 kHz)	CW	(F5JBR-J)
M95	5801	8-11	0854	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	8-11	0854	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5396	8-11	0856	Fri	CL MSG NR 287/CCK CK 199 63 1308 1300 RMKS 4263 TO 4003 =	CW	(F5JBR-J)
M95	4590	8-11	0922	Fri	i.p. HR 7G GA 110 0110/CCK CK 299 35 010241800 ... 45A 7655 540U4ADT ...	CW	(JPL)
M95	5801	10-11	1143	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	10-11	1143	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3424	10-11	1150	Sun	V DL7T (x3) DE VML3 HR 7G GA NR 143/CCK CK 299 31 1110 1950 RMKS CQ =	CW	(JPL)
M95	3642	10-11	1450	Sun	V DKG6 de 3A7D	CW	(F5JBR-J)
M95	5801	14-11	1000	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	14-11	1000	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	18-11	0703	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	18-11	0703	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	18-11	1336	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	18-11	1336	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	19-11	1127	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	19-11	1127	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	4364	19-11	1143	Tue	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1036 CK 296 35 0AA0 1544 = //8073	CW	(JPL)
M95	8073	19-11	1143	Tue	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1036 CK 296 35 0AA0 1544 = //4364	CW	(JPL)

M95	4243	19-11	1151	Tue	i.p. A HR MSG GA NR 029 CK 51 35 1119 1548 = 5AA UTT TAN 3U6 7T3 7TA N44 ...	CW	(JPL)
M95	4243	19-11	1207	Tue	Switched to voice. Chinese. Repeating M95 messages	CW	(JPL)
M95	3642	19-11	1636	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	19-11	1636	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	20-11	1035	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	20-11	1035	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	20-11	1707	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	20-11	1707	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	21-11	0123	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	21-11	0123	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	21-11	1229	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	21-11	1229	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4364	22-11	0011	Fri	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1056 CK 136 35 1122 0644 = //8073	CW	(JPL)
M95	8073	22-11	0011	Fri	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 1056 CK 136 35 1122 0644 = //4363	CW	(JPL)
M95	3642	22-11	0030	Fri	i.p. VV HR SVC NR 106 0830 RMKS 6354 TO 6808 = CL/0900/Z=/6354/6808 AR QSL ? HR WK NR 120 V DKG6 DE 3A7D //7602	CW	(JPL)
M95	7602	22-11	0030	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	22-11	0254	Fri	Fri V DKG6 (x3) DE 3A7D (x2) NR 059/CCK CK 299 21 1122 1050 RMKS 6354 TO 6578 6894 6663 = ///10180	CW	(JPL)
M95	10180	22-11	0254	Fri	V DKG6 (x3) DE 3A7D (x2) NR 059/CCK CK 299 21 1122 1050 RMKS 6354 TO 6578 6894 6663 = //5801	CW	(JPL)
M95	5801	22-11	1039	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	22-11	1039	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5698	23-11	0728	Sat	7EDG wkg 5HFS. QSX 5124 kHz	CW	(F5JBR-J)
M95	5698	23-11	0728	Sat	7EDG wkg 5HFS. QSX on 5124 kHz	CW	(F5JBR-J)
M95	5124	23-11	0741	Sat	7EDG wkg GW1G MSG NR 302/CCK CK 199 36 13 23 1300 RMKS 4363 TO 4783/4933/4973/56344883/4343/4304/4323/4990/4993/4383/4363/ =	CW	(F5JBR-J)
M95	5124	23-11	0741	Sat	7EDG wkg GW1G MSG NR 302/CCK CK 199 36 13 23 1300 RMKS 4363 TO 4783 / 4933/ 4973/ ...	CW	(F5JBR-J)
M95	5801	23-11	0742	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	23-11	0742	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	23-11	1313	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	23-11	1313	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3940	23-11	1531	Sat	C6J6 DE YI3U R QSA 2 QSA ? K R RPT K R = ERP EEEE R = ER AR K	CW	(JPL)
M95	5801	24-11	0458	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	24-11	0458	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	24-11	1012	Sun	V DKG6 (x3) DE 3A7D (x2) = CL/1900/ZBT/6354/6664 AR QSL ? HR WK NR 170 //10180	CW	(JPL)
M95	10180	24-11	1012	Sun	V DKG6 (x3) DE 3A7D (x2) = CL/1900/ZBT/6354/6664 AR QSL ? HR WK NR 170 //5801	CW	(JPL)
M95	3642	24-11	1545	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	24-11	1545	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	25-11	0329	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)

M95	10180	25-11	0329	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	25-11	1041	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	25-11	1041	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	25-11	1615	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	25-11	1615	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	27-11	0935	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	27-11	0935	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	28-11	0029	Thu	i.p. 30 RMKS 6354 TO 8917BT CL/0900/ZBT/6354/8917 AR QSL ? HR WK NR 120 V DKG6 DE 3A7D //7602	CW	(JPL)
M95	7602	28-11	0029	Thu	i.p. 30 RMKS 6354 TO 8917 = CL/0900/ZBT/6354/8917 AR QSL ? HR WK NR 120 V DKG6 DE 3A7D //3642	CW	(JPL)
M95	4312	28-11	0100	Thu	i.p. R QSA 3 K ICE 2344 R K R = 3328 AR K	CW	(JPL)
M95	5801	28-11	0245	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	28-11	0245	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5801	28-11	0957	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	28-11	0957	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	5128	28-11	1297	Thu	i.p. 05 RMKS ONR 18 100 05 OK T .. MNM.. T4W XT.DTB	CW	(JPL)
M95	5555	28-11	1537	Thu	i.p. VV GA NR 003/CCK 91 74 1128 2330 RMKS 6379 TO 6035 = 4A6T 3UA/7 5D43 ...	CW	(JPL)
M95	3642	29-11	0133	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	29-11	0133	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	4110	29-11	0136	Fri	i.p. NR 067/CCK CK 91 88 1129 0935 RMKS 8376 TO 8616 =	CW	(JPL)
M95	5801	29-11	0909	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	29-11	0909	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	30-11	2048	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	30-11	2048	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
MX	3594.2	10-11	1452	Sun	Beacon F, Vladivostok	CW	(F5JBR)
MX	3227	19-11	1737	Tue	Beacon V	CW	(DK8OK)
P03a	8680	1-11	1500	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	1-11	1505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	2-11	1600	Sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	14975	2-11	1605	Sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	8680	3-11	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	8680	3-11	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	13470	4-11	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	4-11	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	4-11	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	4-11	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	6-11	1500	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	6-11	1505	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	8-11	1500	Fri	Polish intel.	BPSK 62.5Bd	(AB)

P03a	8680	8-11	1505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	8-11	1635	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	8-11	1640	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	9-11	0500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	9-11	0505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	9-11	1500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	9-11	1505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	9-11	1600	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	9-11	1605	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	10-11	1410	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	13470	10-11	1415	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	8680	10-11	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	8680	10-11	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	13470	11-11	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	11-11	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	11-11	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	11-11	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	13-11	1500	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	13-11	1505	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	13-11	1600	Wed	Polish intel.	BPSK 62.5Bd	(MPJ)
P03a	14975	13-11	1605	Wed	Polish intel.	BPSK 62.5Bd	(MPJ)
P03a	5409	15-11	0505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	15-11	0510	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	15-11	1500	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	8680	15-11	1505	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	15-11	1635	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	15-11	1640	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5371	16-11	0500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	16-11	0500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	16-11	0505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	16-11	0505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	16-11	1320	Sat	Polish intel.	BPSK 62.5Bd	(MPJ)
P03a	4356	16-11	1325	Sat	Polish intel.	BPSK 62.5Bd	(MPJ)
P03a	4356	16-11	1500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	16-11	1505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	16-11	1600	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	16-11	1605	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	17-11	1320	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	17-11	1325	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	17-11	1410	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)

P03a	13470	17-11	1415	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	8680	17-11	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	8680	17-11	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	13470	18-11	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	18-11	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	18-11	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	18-11	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	20-11	1500	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	20-11	1505	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	20-11	1600	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	20-11	1605	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	22-11	0505	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	22-11	0510	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	22-11	1500	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	8680	22-11	1505	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	22-11	1635	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	22-11	1640	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5371	23-11	0500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	23-11	0505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	23-11	1320	Sat	Polish intel.	BPSK 62.5Bd	(MPJ)
P03a	4356	23-11	1325	Sat	Polish intel.	BPSK 62.5Bd	(MPJ)
P03a	4356	23-11	1500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	23-11	1505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	23-11	1600	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	23-11	1605	Sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	24-11	1320	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	24-11	1325	Sun	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	13470	24-11	1410	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	24-11	1415	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	24-11	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	24-11	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	25-11	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB-POL)
P03a	13470	25-11	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB-POL)
P03a	4356	25-11	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	25-11	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	27-11	1500	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	27-11	1505	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	27-11	1600	Wed	Polish intel.	BPSK 62.5Bd	(AB/MPJ-POL)
P03a	14975	27-11	1605	Wed	Polish intel.	BPSK 62.5Bd	(AB/MPJ-POL)
P03a	5409	29-11	0505	Fri	Polish intel.	BPSK 62.5Bd	(AB)

P03a	5409	29-11	0510	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	29-11	1500	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	8680	29-11	1505	Fri	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	29-11	1635	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	29-11	1640	Fri	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	30-11	0500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	30-11	0505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	30-11	1320	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	30-11	1325	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	30-11	1500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	30-11	1505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	30-11	1600	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	30-11	1605	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03b	5779	1-11	1200	Fri	Polish intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	5779	1-11	1205	Fri	Polish intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	4356	2-11	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	2-11	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	3-11	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	3-11	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	6-11	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	6-11	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	8-11	1200	Fri	Polish intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	5779	8-11	1205	Fri	Polish intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	4356	9-11	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	9-11	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	10-11	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	10-11	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	13-11	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	13-11	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	13-11	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	13-11	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	15-11	1200	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	15-11	1205	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	16-11	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	16-11	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	17-11	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	17-11	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	17-11	1120	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	17-11	1125	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	20-11	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB)

P03b	9079	20-11	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	20-11	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	20-11	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	22-11	1200	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	22-11	1205	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	23-11	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	23-11	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	24-11	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	24-11	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	24-11	1120	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	24-11	1125	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	27-11	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	9079	27-11	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	5779	27-11	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	27-11	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	29-11	1200	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	29-11	1205	Fri	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	30-11	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	30-11	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03e	10800	3-11	1440	Sun	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	3-11	1445	Sun	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	5082	5-11	1725	Tue	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	5-11	1730	Tue	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	8-11	1440	Fri	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	8-11	1445	Fri	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	10-11	1440	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	10-11	1445	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	10-11	1725	Sun	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	5082	10-11	1730	Sun	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	5082	12-11	1725	Tue	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	5082	12-11	1730	Tue	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	15-11	1440	Fri	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	15-11	1445	Fri	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	17-11	1440	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	17-11	1445	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	17-11	1725	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	17-11	1730	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	19-11	1725	Tue	Polish intel.	QPSK 100Bd	(FT)
P03e	5082	19-11	1730	Tue	Polish intel.	QPSK 100Bd	(FT)
P03e	10800	22-11	1440	Fri	Polish intel.	QPSK 100Bd	(AB/MPJ)

P03e	10800	22-11	1445	Fri	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	24-11	1440	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	24-11	1445	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	24-11	1725	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	24-11	1730	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	26-11	1725	Tue	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	26-11	1730	Tue	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	29-11	1440	Fri	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	10800	29-11	1445	Fri	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03f	6280	12-11	1100	Tue	Polish intel.	QPSK 200Bd	(AB/MPJ)
P03f	6280	12-11	1105	Tue	Polish intel.	QPSK 200Bd	(AB/MPJ)
P03f	6280	13-11	1100	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	6280	13-11	1105	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	6280	19-11	1100	Tue	Polish intel.	QPSK 200Bd	(FT)
P03f	6280	19-11	1105	Tue	Polish intel.	QPSK 200Bd	(FT)
P03f	6280	20-11	1100	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	6280	20-11	1105	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	6280	26-11	1100	Tue	Polish intel.	QPSK 200Bd	(AB)
P03f	6280	26-11	1105	Tue	Polish intel.	QPSK 200Bd	(AB)
P03f	6280	27-11	1100	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	6280	27-11	1105	Wed	Polish intel.	QPSK 200Bd	(AB)
P03g	12153	15-11	0620	Fri	Polish intel.	BPSK 50Bd	(AB)
P03g	12153	15-11	0625	Fri	Polish intel.	BPSK 50Bd	(AB)
P03g	12153	18-11	0620	Mon	Polish intel.	BPSK 50Bd	(AB)
P03g	12153	18-11	0625	Mon	Polish intel.	BPSK 50Bd	(AB)
P03g	12153	22-11	0620	Fri	Polish intel.	BPSK 50Bd	(AB)
P03g	12153	22-11	0625	Fri	Polish intel.	BPSK 50Bd	(AB)
P03g	12153	25-11	0620	Mon	Polish intel.	BPSK 50Bd	(AB)
P03g	12153	25-11	0625	Mon	Polish intel.	BPSK 50Bd	(AB)
P03g	12153	29-11	0620	Fri	Polish intel.	BPSK 50Bd	(AB)
P03g	12153	29-11	0625	Fri	Polish intel.	BPSK 50Bd	(AB)
P03h	9097	13-11	0530	Wed	Polish intel.	BPSK 100Bd	(AB)
P03h	9097	13-11	0535	Wed	Polish intel.	BPSK 100Bd	(AB)
P03h	9079	18-11	0530	Mon	Polish intel.	BPSK 100Bd	(AB)
P03h	9079	18-11	0535	Mon	Polish intel.	BPSK 100Bd	(AB)
P03h	9097	20-11	0530	Wed	Polish intel.	BPSK 100Bd	(AB)
P03h	9097	20-11	0535	Wed	Polish intel.	BPSK 100Bd	(AB)
P03h	9097	27-11	0530	Wed	Polish intel.	BPSK 100Bd	(AB)
P03h	9097	27-11	0535	Wed	Polish intel.	BPSK 100Bd	(AB)
Q26	4364	4-11	1130	Mon	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)

Q26	8073	4-11	1130	Mon	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	4-11	1146	Mon	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	19-11	1131	Tue	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	19-11	1131	Tue	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
RADv	3950	3-11	0904	Sun	Russian Air Defence Forces. Tracking data	USB	(F5JBR)
RMv	4090	2-11	0639	Sat	SOKOT-2 Russian Mil wkg VASAT-77 PEGAZ-62 VERON-67	USB	(F5JBR)
S06	19875	1-11	0830	Fri	842 607 35 33351 ...	USB	(HFD-HK)
S06	16067	1-11	0930	Fri	842 607 35 33351 ...	USB	(HFD-HK)
S06	7309	1-11	2000	Fri	627 627 627 00000	USB	(AB/MPJ/HFD)
S06	5091	1-11	2100	Fri	627 627 627 00000	USB	(AB/HFD)
S06	5091	15-11	2100	Fri	627 839 41 63154 26021 12260 ... 94012 17412 34585 839 41 00000	USB	(AB)
S06s	11780	1-11	0630	Fri	156 428 7 38433 25858 25573 64485 59477 45575 42114 428 7 00000	USB	(AB)
S06s	12570	1-11	0640	Fri	156 428 7 38433 25858 25573 64485 59477 45575 42114 428 7 00000	USB	(AB)
S06s	5765	1-11	0900	Fri	239 867 5 94428 17454 24011 41584 68592 867 5 00000	USB	(AB/HFD)
S06s	6315	1-11	0910	Fri	239 867 5 94428 17454 24011 41584 68592 867 5 00000	USB	(AB/HFD)
S06s	8680	2-11	0800	Sat	132 904 5 98058 55693 97628 61154 97511 904 5 00000	USB	(AB/HFD)
S06s	8260	2-11	0810	Sat	132 904 5 98058 55693 97628 61154 97511 904 5 00000	USB	(AB/HFD)
S06s	13470	4-11	0630	Mon	462 870 5 38433 25858 25573 64485 55554 870 5 00000	USB	(AB/HFD-UKR)
S06s	16515	4-11	0640	Mon	462 870 5 38433 25858 25573 64485 55554 870 5 00000	USB	(AB/HFD-UKR)
S06s	8057	4-11	0830	Mon	764 290 5 74945 79303 44518 28216 04826 290 5 00000	USB	(AB/HFD)
S06s	8530	4-11	0840	Mon	764 290 5 74945 79303 44518 28216 04826 290 5 00000	USB	(AB/HFD)
S06s	14676	4-11	0900	Mon	232 476 5 59477 27555 85055 45576 42114 476 5 00000	AM/USB	(AB-G/HFD)
S06s	12831	4-11	0910	Mon	232 476 5 59477 27555 85055 45576 42114 476 5 00000	AM/USB	(AB-G/HFD)
S06s	8420	4-11	1300	Mon	149 286 5 37526 49559 52224 65178 54648 286 5 00000	USB	(AB/MPJ/HFD)
S06s	8420	4-11	1300	Mon	149-286/5=37256	USB	(HFD)
S06s	10635	4-11	1310	Mon	149 286 5 37526 49559 52224 65178 54648 286 5 00000	USB	(AB/MPJ/HFD)
S06s	16145	5-11	0600	Tue	438 976 5 64752 69774 70102 59999 04454 976 5 00000	USB	(AB/HFD)
S06s	16145	5-11	0600	Tue	438-376/5=64572	USB	(HFD)
S06s	14240	5-11	0610	Tue	438 976 5 64752 69774 70102 59999 04454 976 5 00000	USB	(AB/HFD)
S06s	5250	5-11	0700	Tue	452-478/6=92687	USB	(HFD)
S06s	5250	5-11	0700	Tue	452 978 6 93687 85148 54152 78855 01751 17077 978 6 00000	USB	(AB-POL/HFD)
S06s	6320	5-11	0710	Tue	452 978 6 93687 85148 54152 78855 01751 17077 978 6 00000	USB	(AB-POL/HDF)
S06s	7410	5-11	0730	Tue	427 816 5 33663 35358 41385 36362 43010 916 5 00000	USB	(AB/HFD)
S06s	11532	5-11	0740	Tue	427 816 5 33663 35358 41385 36362 43010 916 5 00000	USB	(AB/HFD)
S06s	11946	5-11	0800	Tue	127 863 5 81235 32469 33311 37642 86212 863 5 00000	AM/USB	(AB/HFD)
S06s	11946	5-11	0800	Tue	127-863/5=81235 bad modulation hum nom. 11945	USB	(HFD)
S06s	13195	5-11	0810	Tue	127 863 5 81235 32469 33311 37642 86212 863 5 00000	AM/USB	(AB/HFD)
S06s	13196	5-11	0810	Tue	127 bad modulat. hum nom. 13195 BCstn in backgr.	USB	(HFD)
S06s	6440	5-11	1000	Tue	427 518 6 07931 98755 84636 45752 64655 58202 518 6 00000	USB	(AB/HFD)
S06s	5660	5-11	1010	Tue	427 518 6 07931 98755 84636 45752 64655 58202 518 6 00000	USB	(AB/HFD)

S06s	5035	5-11	1100	Tue	265 908 7 59067 58855 48235 28222 37832 37313 45597 908 7 00000	USB	(AB-POL/MPJ/HFD)
S06s	5975	5-11	1110	Tue	265 908 7 59067 58855 48235 28222 37832 37313 45597 908 7 00000	USB	(AB-POL/MPJ/HFD)
S06s	6845	5-11	1500	Tue	914 207 5 28548 59014 32424 75078 97520 207 5 00000	USB	(AB/MPJ/HFD)
S06s	9170	5-11	1510	Tue	914 207 5 28548 59014 32424 75078 97520 207 5 00000	USB	(AB/MPJ/HFD)
S06s	7062	6-11	0830	Wed	464 jammed by an angry radio amateur	USB	(AB/HFD)
S06s	11535	6-11	0830	Wed	172 403 5 22354 75544 21852 76565 43613 403 5 00000	USB	(AB/HFD)
S06s	10532	6-11	0840	Wed	464 927 5 71358 71845 42656 01161 42780 927 5 00000	USB	(AB/HFD)
S06s	11830	6-11	0840	Wed	172 403 5 22354 75544 21852 76565 43613 403 5 00000	USB	(AB/HFD)
S06s	12365	6-11	1000	Wed	276 419 5 62434 82152 91628 60152 38776 419 6 00000	USB	(AB/HFD)
S06s	14280	6-11	1010	Wed	276 419 5 62434 82152 91628 60152 38776 419 6 00000	USB	(AB/HFD)
S06s	8812	7-11	0930	Thu	698 201 5 51098 09497 28075 85052 82152 201 5 00000	USB	(AB/HFD)
S06s	9540	7-11	0940	Thu	698 201 5 51098 09497 28075 85052 82152 201 5 00000	USB	(AB/HFD)
S06s	12155	7-11	1200	Thu	175 203 6 43613 47545 24535 49598 08142 42214 203 6 00000	USB	(AB/MPJ/HFD)
S06s	10920	7-11	1210	Thu	175 203 6 43613 47545 24535 49598 08142 42214 203 6 00000	USB	(AB/MPJ/HFD)
S06s	11780	8-11	0630	Fri	156 428 7 38433 25858 25573 64485 59477 45575 42114 428 7 00000	USB	(AB)
S06s	12570	8-11	0640	Fri	156 428 7 38433 25858 25573 64485 59477 45575 42114 428 7 00000	USB	(AB)
S06s	5765	8-11	0900	Fri	239 867 5 94428 17454 24011 41584 68592 867 5 00000	USB	(AB)
S06s	6315	8-11	0910	Fri	239 867 5 94428 17454 24011 41584 68592 867 5 00000	USB	(AB)
S06s	13470	11-11	0630	Mon	462 870 5 38433 25858 25573 64485 55554 870 5 00000	USB	(AB)
S06s	16515	11-11	0640	Mon	462 870 5 38433 25858 25573 64485 55554 870 5 00000	USB	(AB)
S06s	8057	11-11	0830	Mon	764 290 5 74945 79303 44518 28216 04826 290 5 00000	USB	(AB)
S06s	8530	11-11	0840	Mon	764 290 5 74945 79303 44518 28216 04826 290 5 00000	USB	(AB)
S06s	14676	11-11	0900	Mon	232 476 5 59477 27555 85055 45576 42114 476 5 00000	AM/USB	(AB-G)
S06s	12831	11-11	0910	Mon	232 476 5 59477 27555 85055 45576 42114 476 5 00000	AM/USB	(AB-G)
S06s	8420	11-11	1300	Mon	149 286 5 37526 49559 52224 65178 54648 286 5 00000	USB	(AB/MPJ)
S06s	10635	11-11	1310	Mon	149 286 5 37526 49559 52224 65178 54648 286 5 00000	USB	(AB/MPJ)
S06s	16145	12-11	0600	Tue	438 976 5 64752 69774 70102 59999 04454 976 5 00000	USB	(AB-POL)
S06s	14240	12-11	0610	Tue	438 976 5 64752 69774 70102 59999 04454 976 5 00000	USB	(AB-POL)
S06s	5250	12-11	0700	Tue	452 978 6 93687 85148 54152 78855 01751 17077 978 6 00000	USB	(AB)
S06s	6320	12-11	0710	Tue	452 978 6 93687 85148 54152 78855 01751 17077 978 6 00000	USB	(AB)
S06s	7410	12-11	0730	Tue	427 816 5 33663 35358 41385 36362 43010 916 5 00000	USB	(AB)
S06s	11532	12-11	0740	Tue	427 816 5 33663 35358 41385 36362 43010 916 5 00000	USB	(AB)
S06s	11946	12-11	0800	Tue	127 863 5 81235 32469 33311 37642 86212 863 5 00000	AM/USB	(AB)
S06s	13195	12-11	0810	Tue	127 863 5 81235 32469 33311 37642 86212 863 5 00000	AM/USB	(AB)
S06s	6440	12-11	1000	Tue	427 518 6 07931 98755 84636 45752 64655 58202 518 6 00000	USB	(AB/MPJ)
S06s	5660	12-11	1010	Tue	427 518 6 07931 98755 84636 45752 64655 58202 518 6 00000	USB	(AB/MPJ)
S06s	5035	12-11	1100	Tue	265 908 7 59067 58855 48235 28222 37832 37313 45597 908 7 00000	USB	(AB)
S06s	5975	12-11	1110	Tue	265 908 7 59067 58855 48235 28222 37832 37313 45597 908 7 00000	USB	(AB)
S06s	6845	12-11	1500	Tue	914 207 5 28548 59014 32424 75078 97520 207 5 00000	USB	(AB/MPJ)
S06s	9170	12-11	1510	Tue	914 207 5 28548 59014 32424 75078 97520 207 5 00000	USB	(AB/MPJ)

S06s	7062	13-11	0830	Wed	464 927 5 71358 71845 42656 01161 42780 927 5 00000	USB	(AB)
S06s	11535	13-11	0830	Wed	172 403 5 22354 75544 21852 76565 43613 403 5 00000	USB	(AB)
S06s	10532	13-11	0840	Wed	464 927 5 71358 71845 42656 01161 42780 927 5 00000	USB	(AB)
S06s	11830	13-11	0840	Wed	172 403 5 22354 75544 21852 76565 43613 403 5 00000	USB	(AB)
S06s	12365	13-11	1000	Wed	276 419 5 62434 82152 91628 60152 38776 419 6 00000	USB	(AB)
S06s	14280	13-11	1010	Wed	276 419 5 62434 82152 91628 60152 38776 419 6 00000	USB	(AB)
S06s	8812	14-11	0930	Thu	698 201 5 51098 09497 28075 85052 82152 201 5 00000	USB	(AB)
S06s	9540	14-11	0940	Thu	698 201 5 51098 09497 28075 85052 82152 201 5 00000	USB	(AB)
S06s	12155	14-11	1200	Thu	175 203 6 43613 47545 24535 49598 08142 42214 203 6 00000	USB	(AB)
S06s	10920	14-11	1210	Thu	175 203 6 43613 47545 24535 49598 08142 42214 203 6 00000	USB	(AB)
S06s	11780	15-11	0630	Fri	156 482 7 31234 11325 40415 87022 99832 14077 53359 482 7 00000	USB	(AB/HFD)
S06s	12570	15-11	0640	Fri	156 482 7 31234 11325 40415 87022 99832 14077 53359 482 7 00000	USB	(AB/HFD)
S06s	5765	15-11	0900	Fri	239 471 5 43798 46937 33032 38334 44613 471 5 00000	USB	(AB)
S06s	6315	15-11	0910	Fri	239 471 5 43798 46937 33032 38334 44613 471 5 00000	USB	(AB)
S06s	13470	18-11	0630	Mon	462 835 7 81235 32469 33311 37642 86212 43808 34237 835 7 00000	USB	(AB-KWT)
S06s	16515	18-11	0640	Mon	462 835 7 81235 32469 33311 37642 86212 43808 34237 835 7 00000	USB	(AB-KWT)
S06s	8057	18-11	0830	Mon	764 891 5 99183 39237 75604 14597 72729 891 5 00000	USB	(AB)
S06s	8530	18-11	0840	Mon	764 891 5 99183 39237 75604 14597 72729 891 5 00000	USB	(AB)
S06s	14676	18-11	0900	Mon	232 980 5 13621 26252 82057 44817 89106 980 5 00000	AM/USB	(AB-G)
S06s	12831	18-11	0910	Mon	232 980 5 13621 26252 82057 44817 89106 980 5 00000	AM/USB	(AB-G)
S06s	8420	18-11	1300	Mon	149 263 5 21015 82225 23414 73599 34322 263 5 00000	USB	(AB/MPJ)
S06s	10635	18-11	1310	Mon	149 263 5 21015 82225 23414 73599 34322 263 5 00000	USB	(AB/MPJ)
S06s	11946	19-11	0800	Tue	127 903 5 61881 70151 56499 48086 11887 903 5 00000	AM/USB	(AB)
S06s	13195	19-11	0810	Tue	127 903 5 61881 70151 56499 48086 11887 903 5 00000	AM/USB	(AB)
S06s	6440	19-11	1000	Tue	427 913 5 04537 87875 47152 23486 80331 913 5 00000	USB	(AB)
S06s	5660	19-11	1010	Tue	427 913 5 04537 87875 47152 23486 80331 913 5 00000	USB	(AB)
S06s	5035	19-11	1100	Tue	265 804 7 83630 93731 58291 54212 67196 31960 56970 804 7 00000	USB	(AB/FT/MPJ)
S06s	5975	19-11	1110	Tue	265 804 7 83630 93731 58291 54212 67196 31960 56970 804 7 00000	USB	(AB/FT/MPJ)
S06s	6845	19-11	1500	Tue	914 872 5 27448 67187 78872 79998 60403 872 5 00000	USB	(AB/MPJ)
S06s	9170	19-11	1510	Tue	914 872 5 27448 67187 78872 79998 60403 872 5 00000	USB	(AB/MPJ)
S06s	7062	20-11	0830	Wed	464 231 5 70543 62182 82464 49703 67712 231 5 00000	USB	(AB)
S06s	11535	20-11	0830	Wed	172 406 5 76985 13766 95091 35527 04464 406 5 00000	USB	(AB)
S06s	10532	20-11	0840	Wed	464 231 5 70543 62182 82464 49703 67712 231 5 00000	USB	(AB)
S06s	11830	20-11	0840	Wed	172 406 5 76985 13766 95091 35527 04464 406 5 00000	USB	(AB)
S06s	12365	20-11	1000	Wed	276 493 5 44269 24798 59856 88469 89751 493 5 00000	USB	(AB)
S06s	14280	20-11	1010	Wed	276 493 5 44269 24798 59856 88469 89751 493 5 00000	USB	(AB)
S06s	8812	21-11	0930	Thu	698 247 5 11822 11998 40402 90284 37473 247 5 00000	USB	(AB)
S06s	9540	21-11	0940	Thu	698 247 5 11822 11998 40402 90284 37473 247 5 00000	USB	(AB)
S06s	12155	21-11	1200	Thu	175 823 6 96529 62487 57272 77315 17565 35820 823 6 00000	USB	(AB/MPJ)
S06s	10920	21-11	1210	Thu	175 823 6 96529 62487 57272 77315 17565 35820 823 6 00000	USB	(AB/MPJ)

S06s	11780	22-11	0630	Fri	156 482 7 31234 11325 40415 87022 99832 14077 53359 482 7 00000	USB	(AB-RUS)
S06s	12570	22-11	0640	Fri	156 482 7 31234 11325 40415 87022 99832 14077 53359 482 7 00000	USB	(AB-FIN)
S06s	5765	22-11	0900	Fri	239 471 5 43798 46937 33032 38334 44613 471 5 00000	USB	(AB)
S06s	6315	22-11	0910	Fri	239 471 5 43798 46937 33032 38334 44613 471 5 00000	USB	(AB)
S06s	13470	25-11	0630	Mon	462 835 7 81235 32469 33311 37642 86212 43808 34237 835 7 00000	USB	(AB-KWT)
S06s	16515	25-11	0640	Mon	462 835 7 81235 32469 33311 37642 86212 43808 34237 835 7 00000	USB	(AB-KWT)
S06s	8057	25-11	0830	Mon	764 891 5 99183 39237 75604 14597 72729 891 5 00000	USB	(AB)
S06s	8530	25-11	0840	Mon	764 891 5 99183 39237 75604 14597 72729 891 5 00000	USB	(AB)
S06s	14675	25-11	0900	Mon	232 980 5 13621 26252 82057 44817 89106 980 5 00000	USB	(AB-G)
S06s	12830	25-11	0910	Mon	232 980 5 13621 26252 82057 44817 89106 980 5 00000	USB	(AB-G)
S06s	8420	25-11	1300	Mon	149 263 5 21015 82225 23414 73599 34322 263 5 00000	USB	(AB)
S06s	10635	25-11	1310	Mon	149 263 5 21015 82225 23414 73599 34322 263 5 00000	USB	(AB)
S06s	16145	26-11	0600	Tue	438 506 7 58837 42663 12416 36938 48900 18204 44817 506 7 00000	USB	(AB-ROU)
S06s	14240	26-11	0610	Tue	438 506 7 58837 42663 12416 36938 48900 18204 44817 506 7 00000	USB	(AB-POL)
S06s	5250	26-11	0700	Tue	452 963 7 57217 91858 79674 37975 15826 46258 77093 963 7 00000	USB	(AB)
S06s	6320	26-11	0710	Tue	452 963 7 57217 91858 79674 37975 15826 46258 77093 963 7 00000	USB	(AB)
S06s	7410	26-11	0730	Tue	427 968 5 13621 26252 82056 44817 89106 968 5 00000	USB	(AB)
S06s	11532	26-11	0740	Tue	427 968 5 13621 26252 82056 44817 89106 968 5 00000	USB	(AB)
S06s	11946	26-11	0800	Tue	127 903 5 61881 70151 56499 48086 11887 903 5 00000	AM/USB	(AB-POL)
S06s	13195	26-11	0810	Tue	127 903 5 61881 70151 56499 48086 11887 903 5 00000	AM/USB	(AB)
S06s	6440	26-11	1000	Tue	427 913 5 04537 87875 47152 23486 80331 913 5 00000	USB	(AB)
S06s	5660	26-11	1010	Tue	427 913 5 04537 87875 47152 23486 80331 913 5 00000	USB	(AB)
S06s	5035	26-11	1100	Tue	265 804 7 83630 93731 58291 54212 67196 31960 56970 804 7 00000	USB	(AB)
S06s	5975	26-11	1110	Tue	265 804 7 83630 93731 58291 54212 67196 31960 56970 804 7 00000	USB	(AB)
S06s	6845	26-11	1500	Tue	914 872 5 27448 67187 78872 79998 60403 872 5 00000	USB	(AB/MPJ)
S06s	9170	26-11	1510	Tue	914 872 5 27448 67187 78872 79998 60403 872 5 00000	USB	(AB/MPJ)
S06s	7062	27-11	0830	Wed	464 231 5 70543 62182 82464 49703 67712 231 5 00000	USB	(AB)
S06s	11535	27-11	0830	Wed	172 406 5 76985 13766 95091 35527 04464 406 5 00000	USB	(AB)
S06s	10532	27-11	0840	Wed	464 231 5 70543 62182 82464 49703 67712 231 5 00000	USB	(AB)
S06s	11830	27-11	0840	Wed	172 406 5 76985 13766 95091 35527 04464 406 5 00000	USB	(AB)
S06s	12365	27-11	1000	Wed	276 493 5 44269 24798 59856 88469 89751 493 5 00000	USB	(AB)
S06s	14280	27-11	1010	Wed	276 493 5 44269 24798 59856 88469 89751 493 5 00000	USB	(AB)
S06s	8812	28-11	0930	Thu	698 247 5 11822 11998 40402 90284 37473 247 5 00000	USB	(AB)
S06s	9540	28-11	0940	Thu	698 247 5 11822 11998 40402 90284 37473 247 5 00000	USB	(AB)
S06s	12155	28-11	1200	Thu	175 823 6 96529 62487 57272 77315 17565 35820 823 6 00000	USB	(AB/MPJ)
S06s	10920	28-11	1210	Thu	175 823 6 96529 62487 57272 77315 17565 35820 823 6 00000	USB	(AB/MPJ)
S06s	11780	29-11	0630	Fri	156 156 156 00000	USB	(AB-FIN)
S06s	12570	29-11	0640	Fri	156 156 156 00000	USB	(AB-FIN)
S06s	5765	29-11	0900	Fri	239 239 239 00000	USB	(AB)
S06s	6315	29-11	0910	Fri	239 239 239 00000	USB	(AB)

S11a	7600	1-11	1020	Fri	422/00	USB	(AB/HFD)
S11a	11486	2-11	1850	Sat	Too weak to copy	USB	(MPJ-FIN)
S11a	4242	4-11	0915	Mon	487/00	USB	(AB)
S11a	7600	5-11	1020	Tue	429/00	USB	(AB)
S11a	9057	6-11	0510	Wed	651/00	USB	(AB)
S11a	5371	6-11	1100	Wed	379/37 Vnimanije 81910 68849 57904 ... 84861 47934 50600 Vnimanije (message repeated) Konets	USB	(AB/MPJ/HFD)
S11a	11486	6-11	1850	Wed	286/00	USB	(AB-POL/MPJ/HFD)
S11a	9050	7-11	0701	Thu	i.p. 470/00 ??	USB	(ES-HOL)
S11a	4242	8-11	0915	Fri	480/00	USB	(HFD)
S11a	5371	8-11	1100	Fri	379/37 Vnimanije 81910 68849 57904 ... 84861 47934 50600 Vnimanije (message repeated) Konets	USB	(AB)
S11a	11486	9-11	1850	Sat	282/00	USB	(AB-POL/HFD)
S11a	9057	11-11	0510	Mon	655/31 Vnimanije 50712 48514 68033 ... 59887 20070 25095 Vnimanije (message repeated) Konets	USB	(AB)
S11a	9050	11-11	0700	Mon	476/00	USB	(AB)
S11a	4242	11-11	0915	Mon	483/00	USB	(AB)
S11a	7600	12-11	1020	Tue	429/00	USB	(AB)
S11a	9057	13-11	0510	Wed	655/31 Vnimanije 50712 48514 68033 ... 59887 20070 25095 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	5371	13-11	1100	Wed	370/00	USB	(AB)
S11a	11486	13-11	1850	Wed	288/31 Vnimanije 79621 29231 61673 ... 27656 57548 14506	USB	(MPJ)
S11a	9050	14-11	0701	Thu	472/00	USB	(AB)
S11a	4242	15-11	0915	Fri	482/00	USB	(AB)
S11a	5371	15-11	1100	Fri	376/00	USB	(AB)
S11a	11486	16-11	1850	Sat	288/31 Vnimanije 79621 29231 61673 ... 27656 57548 14506 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	9057	18-11	0510	Mon	652/00	USB	(AB-RUS)
S11a	9050	18-11	0700	Mon	479/31 Vnimanije 05200 17585 60977 ... 73190 26713 98317 Vnimanije (message repeated) Konets	USB	(AB)
S11a	7600	19-11	1020	Tue	426/00	USB	(AB)
S11a	5371	20-11	1100	Wed	377/00	USB	(AB)
S11a	11486	20-11	1850	Wed	285/00	USB	(AB/MPJ)
S11a	9050	21-11	0700	Thu	479/31 Vnimanije 05200 17585 60977 ... 73190 26713 98317 Vnimanije (message repeated) Konets	USB	(AB)
S11a	4242	22-11	0915	Fri	481/00	USB	(AB)
S11a	7600	22-11	1020	Fri	422/00	USB	(AB)
S11a	5371	22-11	1100	Fri	373/00	USB	(AB)
S11a	11486	23-11	1850	Sat	285/00	USB	(AB-POL/MPJ-POL)
S11a	9050	25-11	0700	Mon	478/00	USB	(AB)

S11a	9057	27-11	0510	Wed	657/00	USB	(AB-POL)
S11a	5371	27-11	1100	Wed	372/00	USB	(AB)
S11a	11486	27-11	1850	Wed	286/00	USB	(MPJ)
S11a	9050	28-11	0700	Thu	472/00	USB	(AB/HFD)
S11a	4242	29-11	0915	Fri	483/35 Vnmaniye 06177 41616 58490 ... 40228 94981 73707 Vnmaniye (message repeated) Konets	USB	(AB)
S11a	7600	29-11	1020	Fri	427/38 Vnmaniye ...	USB	(AB)
S11a	5371	29-11	1100	Fri	376/00	USB	(AB)
S11a	11486	30-11	1850	Sat	287/00	USB	(AB-POL)
S28	4625	1-11	1655	Fri	Buzzer channel marker	USB	(AB)
S30	3756	1-11	1716	Fri	Pip channel marker	USB	(AB)
S30	5448	14-11	1133	Thu	8S1Shch 96602 KRUTIL'ShchICA 8711 7584	USB	(Gwr)
S30	5448	14-11	1347	Thu	8S1Shch 92457 VOGUL'SKIJ 3521 8765 BINTOZUYeK 4583 7955	USB	(Gwr)
S30	5448	27-11	1130	Wed	VYZ' 78062 MAYaKOSPAS 1145 1348	USB	(Gwr)
S30	5448	27-11	1135	Wed	TZUM 63040 ASSOPLYaS 9028 6564	USB	(Gwr)
S30	5448	27-11	1221	Wed	8S1Shch 12961 GANGOCYeH 8144 4235 BYKOPAPA 4522 1837	USB	(Gwr)
S30	5448	28-11	1209	Thu	78VM 02652 KUSTOFARS 6717 6872 which is false version of regular callsign 78MV	USB	(Gwr)
S30	5448	29-11	1008	Fri	clg 7VNShch, Zh7NZh, YMA5, VTH3, AGDT, 'U1B, OSOG, BO6C, F56Shch, 9GSA for radio check	USB	(Gwr)
S30	5448	29-11	1054	Fri	8S1Shch 30954 ZOO PARK 0244 0612	USB	(Gwr)
S30	5448	29-11	1102	Fri	V2ShZ 92129 BAZOMAK 5139 8014 <-- intentional misteading of V2MZ callsign	USB	(Gwr)
S30	5448	29-11	1103	Fri	NLCI 20184 ZAIROGRUZ 9979 1566 <-- intentional misteading of NLCYe callsign	USB	(Gwr)
S30	5448	29-11	1112	Fri	8S1Shch 14019 LOMOZUDA 7821 6619 ZUBOVA 3954 0678	USB	(Gwr)
S30	3756	29-11	1521	Fri	clg ZhBZU, 4RVZ, 3VS', DKJ1, ZhD9V, 42BV, 81BR, M7KS, PMV5, L'GJ, KZI' for radio check	USB	(Gwr)
S32	3828	1-11	1657	Fri	Squeaky Wheel channel marker	USB	(AB)
S32	5473	14-11	1138	Thu	Al'fa-45 16743 DAROZhON 0541 3905	USB	(Gwr)
S32	5473	14-11	1354	Thu	Al'fa-45 31277 ZUBOSKAL 0419 5770	USB	(Gwr)
S32	5473	27-11	1227	Wed	Al'fa-45 18471 NARYaDNYJ 3130 9072	USB	(Gwr)
S32	5473	29-11	1117	Fri	Al'fa-45 90560 DUSHOZhOH 7320 8693	USB	(Gwr)
UM03	7920	18-11	0728	Mon	i.p. 11 11 CK 100 CK 100 TIME 1430 TIME 1430 DATE 1501 DATE 1501 = BQSKZ UWLOD MODFV PHJYB ZOQFI XZ.R. DSUJM PEWYN WQFIX BJMVK (Cont'd)	CW	(JPL-HK)
UM03	8150	18-11	0728	Mon	i.p. 11 11 CK 100 CK 100 TIME 1430 TIME 1430 DATE 1501 DATE 1501 = BQSKZ UWLOD MODFV PHJYB ZOQFI XZ.R. DSUJM PEWYN WQFIX BJMVK (Cont'd)	CW	(JPL-HK)
UM03	8410	18-11	0728	Mon	i.p. 11 11 CK 100 CK 100 TIME 1430 TIME 1430 DATE 1501 DATE 1501 = BQSKZ UWLOD MODFV PHJYB ZOQFI XZ.R. DSUJM PEWYN WQFIX BJMVK (Cont'd)	CW	(JPL-HK)
UM03	8410	21-11	0131	Thu	VVV CQ (x3) DE X2M (x2) MSG (X2) ENG (x2) 21 21 CK 100 CK 100 TIME 0833 TIME 0833 DATE 1801 DATE 1801 =	CW	(JPL-HK)
UM03	7920	22-11	0002	Fri	CQ (x3) DE X2M (x2) VVV MSG (x2) ENG (x2) MSG ENG 01 01 CK 100 CK 100 TIME 0702 TIME 0702 DATE 1901 DATE 1901 = on 7920//8150//8410 kHz	CW	(JPL-HK)
UM03	8150	22-11	0002	Fri	CQ (x3) DE X2M (x2) VVV MSG (x2) ENG (x2) MSG ENG 01 01 CK 100 CK 100 TIME 0702 TIME 0702 DATE 1901 DATE 1901 = on 7920//8150//8410 kHz	CW	(JPL-HK)

UM03	8410	22-11	0002	Fri	CQ (x3) DE X2M (x2) VVV MSG (x2) ENG (x2) MSG ENG 01 01 CK 100 CK 100 TIME 0702 TIME 0702 DATE 1901 DATE 1901 = on 7920//8150//8410 kHz	CW	(JPL-HK)
UM03	7920	23-11	0749	Sat	i.p. AR 19 19 CK 100 CK 100 TIME 1450 TIME 1450 DATE 2001 DATE 2001 = on 7920//8150//8410 kHz	CW	(JPL-HK)
UM03	8150	23-11	0749	Sat	i.p. AR 19 19 CK 100 CK 100 TIME 1450 TIME 1450 DATE 2001 DATE 2001 = on 7920//8150//8410 kHz	CW	(JPL-HK)
UM03	8410	23-11	0749	Sat	i.p. AR 19 19 CK 100 CK 100 TIME 1450 TIME 1450 DATE 2001 DATE 2001 = on 7920//8150//8410 kHz	CW	(JPL-HK)
UM03	7920	27-11	0941	Wed	i.p. AR 03 03 CK 100 CK 100 TIME 1642 TIME 1642 DATE 2401 DATE 2401 = D45A6 T6A7U (ContEd) on 7920//8150//8410 kHz	CW	(JPL)
UM03	8150	27-11	0941	Wed	i.p. AR 03 03 CK 100 CK 100 TIME 1642 TIME 1642 DATE 2401 DATE 2401 = D45A6 T6A7U (ContEd) on 7920//8150//8410 kHz	CW	(JPL)
UM03	8410	27-11	0941	Wed	i.p. AR 03 03 CK 100 CK 100 TIME 1642 TIME 1642 DATE 2401 DATE 2401 = D45A6 T6A7U (ContEd) on 7920//8150//8410 kHz	CW	(JPL)
UM10	3536	5-11	2050	Tue	10-minutes net: ZJL4 //3805 kHz	CW	(JPL-HK)
UM10	3805	5-11	2050	Tue	10-minutes net: ZJL4 //3536 kHz	CW	(JPL-HK)
UM10	3648	5-11	2052	Tue	10-minutes net: OUCH	CW	(JPL-HK)
UM10	6793	8-11	0653	Fri	10-minutes net: XZTA	CW	(F5JBR-J)
UM10	5891	8-11	0715	Fri	10-minutes net: KSFA	CW	(F5JBR-J)
UM10	5826	8-11	0745	Fri	10-minutes net: XZTA	CW	(F5JBR-J)
UM10	3805	9-11	0845	Sat	10-minutes net: ZJL4	CW	(F5JBR-J)
UM10	5891	10-11	0615	Sun	10-minutes net: KSFA //6810 kHz	CW	(F5JBR-J)
UM10	6810	10-11	0615	Sun	10-minutes net: KSFA //6891 kHz	CW	(F5JBR-J)
UM10	5826	10-11	0745	Sun	10-minutes net: XZTA //6793 kHz	CW	(F5JBR-J)
UM10	6793	10-11	0745	Sun	10-minutes net: XZTA //5826 kHz	CW	(F5JBR-J)
UM10	5891	22-11	0324	Fri	10-minutes net: KSFA //6810 kHz	CW	(JPL-RUS)
UM10	6810	22-11	0324	Fri	10-minutes net: KSFA //5891 kHz	CW	(JPL-RUS)
UM10	3805	22-11	1845	Fri	10-minutes net: ZJL4	CW	(F5JBR)
UM10	3316	22-11	1848	Fri	10-minutes net: OUCH //3905 kHz	CW	(F5JBR)
UM10	3648	22-11	1848	Fri	10-minutes net: OUCH //3316 kHz	CW	(F5JBR)
UM10	3316	22-11	1915	Fri	10-minutes net: OUCH //3648 kHz	CW	(F5JBR)
UM10	3648	22-11	1915	Fri	10-minutes net: OUCH //3316 kHz	CW	(F5JBR)
UM10	5826	23-11	0715	Sat	10-minutes net: XZTA //6793 kHz	CW	(F5JBR-KOR)
UM10	6793	23-11	0715	Sat	10-minutes net: XZTA //5826 kHz	CW	(F5JBR-KOR)
UM10	5891	23-11	0718	Sat	10-minutes net: KSFA //6810 kHz	CW	(F5JBR-KOR)
UM10	6810	23-11	0718	Sat	10-minutes net: KSFA //5891 kHz	CW	(F5JBR-KOR)
UM10	3316	27-11	0949	Wed	10-minutes net: OUCH //3648 kHz	CW	(JPL-RUS)
UM10	3648	27-11	0949	Wed	10-minutes net: OUCH //3316 kHz	CW	(JPL-RUS)
UM10	5891	28-11	0248	Thu	10-minutes net: KSFA //6810 kHz	CW	(JPL-RUS)
UM10	6810	28-11	0248	Thu	10-minutes net: KSFA //5891 kHz	CW	(JPL-RUS)

V07	15946	3-11	0100	Sun	984 984 984 1 3116 34 3116 34 52352 35870 97634 ... 17225 49538 77095 000 000	USB	(kalv-J)
V07	14846	3-11	0120	Sun	984 984 984 1 3116 34 3116 34 52352 35870 97634 ... 17225 49538 77095 000 000	USB	(kalv-J)
V07	13486	3-11	0140	Sun	984 984 984 1 3116 34 3116 34 52352 35870 97634 ... 17225 49538 77095 000 000	USB	(kalv-J)
V07	15946	10-11	0100	Sun	984 984 984 1 3116 34 3116 34 52352 35870 97634 ... 17225 49538 77095 000 000	USB	(Dan/kalv-J)
V07	14846	10-11	0120	Sun	984 984 984 1 3116 34 3116 34 52352 35870 97634 ... 17225 49538 77095 000 000	USB	(Dan/kalv-J)
V07	13486	10-11	0140	Sun	984 984 984 1 3116 34 3116 34 52352 35870 97634 ... 17225 49538 77095 000 000	USB	(Dan/kalv-J)
V07	15946	24-11	0100	Sun	984 984 984 1 8919 12 8919 12 02313 46616 17644 34411 33218 38596 67863 22009 29278 33287 47481 35279 000 000	USB	(Dan/HFD-USA)
V07	14846	24-11	0120	Sun	984 984 984 1 8919 12 8919 12 02313 46616 17644 34411 33218 38596 67863 22009 29278 33287 47481 35279 000 000	USB	(Dan/HFD-USA)
V07	13486	24-11	0140	Sun	984 984 984 1 8919 12 8919 12 02313 46616 17644 34411 33218 38596 67863 22009 29278 33287 47481 35279 000 000	USB	(Dan/HFD-USA)
V13	9276	13-11	1338	Wed	New Star Broadcasting i.p.	USB	(AB-J)
V15	657	9-11	1445	Sat	North Korean intelligence via PBS Pyongyang Pansong on 657, 3320, 6400 kHz. Message in Korean	AM	(AB-J)
V15	3320	9-11	1445	Sat	North Korean intelligence via PBS Pyongyang Pansong on 657, 3320, 6400 kHz. Message in Korean	AM	(AB-J)
V15	6400	9-11	1445	Sat	North Korean intelligence via PBS Pyongyang Pansong on 657, 3320, 6400 kHz. Message in Korean	AM	(AB-J)
V24	6310	1-11	1530	Fri	K-popsong followed by a message in Korean	AM	(AB-J)
V24	6215	7-11	1500	Thu	K-popsong followed by a message in Korean	AM	(AB-J)
V24	6215	9-11	1500	Sat	K-popsong. Message in Korean	USB	(AB-J)
V24	4925	11-11	1430	Mon	Dvorak's Slavonic Dances followed by a message in Korean	AM	(AB-J)
V24	4925	13-11	1430	Wed	Dvorak's Slavonic Dances followed by a message in Korean	AM	(AB-J)
V24	4925	15-11	1430	Fri	Dvorak's Slavonic Dances followed by a message in Korean	AM	(AB-J)
V26	4243	7-11	1146	Thu	Repeating M95 messages in Chinese voice //9054	USB	(JPL)
V26	9054	7-11	1146	Thu	Repeating M95 messages in Chinese voice //4243	USB	(JPL)
V26	4243	12-11	2234	Tue	Messages in Chinese. Female operator	USB	(JPL)
V26	4364	19-11	1130	Tue	Callup in Chinese voice //8073	USB	(JPL)
V26	8073	19-11	1130	Tue	Callup in Chinese voice //4364	USB	(JPL)
V28	5153	3-11	0910	Sun	Parrot. Message in Korean	AM	(HK)
V28	4624	3-11	0911	Sun	Parrot. Message in Korean	AM	(HK)
V28	2933	4-11	0905	Mon	Parrot. Message in Korean	AM	(HK)
V28	3518	4-11	0905	Mon	Parrot. Message in Korean	AM	(HK)
V28	4620	4-11	0905	Mon	Parrot. Message in Korean	AM	(HK)
V28	5158	4-11	0905	Mon	Parrot. Message in Korean	AM	(HK)
V28	2996	4-11	2200	Mon	Parrot. Message in Korean	AM	(HK)
V28	3048	4-11	2200	Mon	Parrot. Message in Korean	AM	(HK)
V28	4494	4-11	2200	Mon	Parrot. Message in Korean	AM	(HK)
V28	2934	12-11	0901	Tue	Parrot. Messages in Korean	AM	(HK)

V28	4622	12-11	0902	Tue	Parrot. Messages in Korean	AM	(HK)
V28	5150	12-11	0902	Tue	Parrot. Messages in Korean	AM	(HK)
V28	3518	12-11	0915	Tue	Parrot. Messages in Korean	AM	(HK)
V28	2933	20-11	0900	Wed	Parrot. Male operator	AM	(HK)
V28	3518	20-11	0900	Wed	Parrot	AM	(HK)
V28	4624	20-11	0900	Wed	Parrot Bad modulation	AM	(HK)
V28	5156	20-11	0909	Wed	Parrot. Male operator	AM	(HK)
VC01	7207	13-11	1346	Wed	Chinese Robot i.p.	USB	(AB-J)
X06	14631	6-11	0921	Wed	MFA Moscow clg 362154: Russian embassy, Athens	MFSK-6	(ES-HOL)
X06	10968	15-11	1124	Fri	Sequence: 616511 before XPA2	MFSK-6	(AB)
X06	11085	19-11	0937	Tue	MFA Moscow clg 154263 Russian embassy Rome	MFSK-6	(AB)
X06	13411	19-11	0946	Tue	MFA Moscow clg 165423 Russian embassy Brussels	MFSK-6	(AB)
X06	14944	20-11	1315	Wed	MFA Moscow clg 621543: Russian embassy Lisbon	MFSK-6	(ES)
X06b	18950	1-11	0918	Fri	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	12215	1-11	1001	Fri	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	13368	1-11	1120	Fri	Sequence: 111666 before XPA2	MFSK-6	(AB)
X06b	12168	1-11	1122	Fri	Sequence: 111666 before XPA2	MFSK-6	(AB)
X06b	12183	17-11	1103	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	13883	17-11	1104	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	14783	17-11	1104	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	12183	17-11	1106	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	13883	17-11	1106	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	14783	17-11	1108	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	12183	17-11	1123	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	13883	17-11	1124	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	14783	17-11	1125	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	14884	19-11	1143	Tue	Sequence 111666 before E07	MFSK-6	(AB)
X06b	8320	20-11	1300	Wed	i.p.	MFSK-6	(ES)
XPA1	13978	5-11	0810	Tue	587 587 587 000 04821 00001 00000 35656	MFSK-20/10Bd	(AB/HFD)
XPA1	14859	5-11	0830	Tue	587 587 587 000 04821 00001 00000 35656	MFSK-20/10Bd	(AB/HFD)
XPA1	15871	5-11	0850	Tue	587 587 587 000 04821 00001 00000 35656	MFSK-20/10Bd	(AB/HFD)
XPA1	13978	7-11	0810	Thu	587 587 587 000 02753 00001 00000 36257	MFSK-20/10Bd	(AB)
XPA1	14859	7-11	0830	Thu	587 587 587 000 02753 00001 00000 36257	MFSK-20/10Bd	(AB)
XPA1	15871	7-11	0850	Thu	587 587 587 000 02753 00001 00000 36257	MFSK-20/10Bd	(AB)
XPA1	13978	12-11	0810	Tue	587 587 587 000 09686 00001 00000 37271	MFSK-20/10Bd	(AB)
XPA1	14859	12-11	0830	Tue	587 587 587 000 09686 00001 00000 37271	MFSK-20/10Bd	(AB)
XPA1	15871	12-11	0850	Tue	587 587 587 000 09686 00001 00000 37271	MFSK-20/10Bd	(AB)
XPA1	13978	14-11	0810	Thu	587 587 587 000 07676 00001 00000 37266	MFSK-20/10Bd	(AB)
XPA1	14859	14-11	0830	Thu	587 587 587 000 07676 00001 00000 37266	MFSK-20/10Bd	(AB)
XPA1	15871	14-11	0850	Thu	587 587 587 000 07676 00001 00000 37266	MFSK-20/10Bd	(AB)

XPA1	13978	19-11	0810	Tue	587 587 587 000 07666 00001 00000 37265	MFSK-20/10Bd	(AB)
XPA1	14859	19-11	0830	Tue	587 587 587 000 07666 00001 00000 37265	MFSK-20/10Bd	(AB)
XPA1	15871	19-11	0850	Tue	587 587 587 000 07666 00001 00000 37265	MFSK-20/10Bd	(AB)
XPA1	13978	21-11	0810	Thu	587 587 587 000 06903 00001 00000 37256	MFSK-20/10Bd	(AB)
XPA1	14859	21-11	0830	Thu	587 587 587 000 06903 00001 00000 37256	MFSK-20/10Bd	(AB)
XPA1	15871	21-11	0850	Thu	587 587 587 000 06903 00001 00000 37256	MFSK-20/10Bd	(AB)
XPA1	13978	26-11	0810	Tue	587 587 587 000 08477 00001 00000 36667	MFSK-20/10Bd	(AB)
XPA1	14859	26-11	0830	Tue	587 587 587 000 08477 00001 00000 36667	MFSK-20/10Bd	(AB)
XPA1	15871	26-11	0850	Tue	587 587 587 000 08477 00001 00000 36667	MFSK-20/10Bd	(AB)
XPA1	13978	28-11	0810	Thu	587 587 587 000 04714 00001 00000 36655	MFSK-20/10Bd	(AB)
XPA1	14859	28-11	0830	Thu	587 587 587 000 04714 00001 00000 36655	MFSK-20/10Bd	(AB)
XPA1	15871	28-11	0850	Thu	587 587 587 000 04714 00001 00000 36655	MFSK-20/10Bd	(AB/RL)
XPA2	10968	1-11	1200	Fri	09081 00044 78871 ... 98607 14884 33303	MFSK-16/20Bd	(AB)
XPA2	12168	1-11	1220	Fri	09081 00044 78871 ... 98607 14884 33303	MFSK-16/20Bd	(AB)
XPA2	13368	1-11	1240	Fri	09081 00044 78871 ... 98607 14884 33303	MFSK-16/20Bd	(AB)
XPA2	15985	2-11	0910	Sat	00427 00042 61650 ... 75591 34772 30624	MFSK-16/20Bd	(AB)
XPA2	14885	2-11	0930	Sat	00427 00042 61650 ... 75591 34772 30624	MFSK-16/20Bd	(AB)
XPA2	13885	2-11	0950	Sat	00427 00042 61650 ... 75591 34772 30624	MFSK-16/20Bd	(AB)
XPA2	12183	3-11	1240	Sun	02359 00012 83695 05432 95834 98902 47678 42017 08426 09946 56517 57674 11540 07389 37055	MFSK-16/20Bd	(MPJ)
XPA2	17413	4-11	0910	Mon	07880 00076 52550 ... 85705 94222 65422	MFSK-16/20Bd	(AB)
XPA2	15852	4-11	0930	Mon	07880 00076 52550 ... 85705 94222 65422	MFSK-16/20Bd	(AB)
XPA2	13363	4-11	0950	Mon	07880 00076 52550 ... 85705 94222 65422	MFSK-16/20Bd	(AB)
XPA2	8126	4-11	1600	Mon	00522 00240 41119 ... 60286 54649 31200	MFSK-16/20Bd	(AB/HFD)
XPA2	6826	4-11	1620	Mon	00522 00240 41119 ... 60286 54649 31200	MFSK-16/20Bd	(AB/HFD)
XPA2	5326	4-11	1640	Mon	00522 00240 41119 ... 60286 54649 31200	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14783	5-11	1200	Tue	02359 00012 83695 05432 95834 98902 47678 42017 08426 09946 56517 57674 11540 07389 37055	MFSK-16/20Bd	(AB/MPJ)
XPA2	13883	5-11	1220	Tue	02359 00012 83695 05432 95834 98902 47678 42017 08426 09946 56517 57674 11540 07389 37055	MFSK-16/20Bd	(AB/MPJ)
XPA2	12183	5-11	1240	Tue	02359 00012 83695 05432 95834 98902 47678 42017 08426 09946 56517 57674 11540 07389 37055	MFSK-16/20Bd	(AB/MPJ)
XPA2	11529	6-11	0800	Wed	00421 00130 13410 ... 52991 46937 33416	MFSK-16/20Bd	(AB)
XPA2	13429	6-11	0820	Wed	00421 00130 13410 ... 52991 46937 33416	MFSK-16/20Bd	(AB)
XPA2	13929	6-11	0840	Wed	00421 00130 13410 ... 52991 46937 33416	MFSK-16/20Bd	(AB)
XPA2	17413	6-11	0910	Wed	07880 00076 52550 ... 85705 94222 65422	MFSK-16/20Bd	(AB)
XPA2	15852	6-11	0930	Wed	07880 00076 52550 ... 85705 94222 65422	MFSK-16/20Bd	(AB)
XPA2	13363	6-11	0950	Wed	07880 00076 52550 ... 85705 94222 65422	MFSK-16/20Bd	(AB)
XPA2	10968	6-11	1200	Wed	00637 00012 83486 93248 67003 57913 72630 50387 54929 09106 20614 44870 26097 94026 25450	MFSK-16/20Bd	(AB/MPJ/HFD)

XPA2	12168	6-11	1220	Wed	00637 00012 83486 93248 67003 57913 72630 50387 54929 09106 20614 44870 26097 94026 25450	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	13368	6-11	1240	Wed	00637 00012 83486 93248 67003 57913 72630 50387 54929 09106 20614 44870 26097 94026 25450	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	15985	7-11	0910	Thu	00427 00042 61650 ... 75591 34772 30624	MFSK-16/20Bd	(AB)
XPA2	14885	7-11	0930	Thu	00427 00042 61650 ... 75591 34772 30624	MFSK-16/20Bd	(AB)
XPA2	13885	7-11	0950	Thu	00427 00042 61650 ... 75591 34772 30624	MFSK-16/20Bd	(AB)
XPA2	9223	7-11	1620	Thu	01512 00001 00000 34652	MFSK-12/20Bd	(AB/MPJ)
XPA2	8123	7-11	1640	Thu	01512 00001 00000 34652	MFSK-12/20Bd	(AB/MPJ)
XPA2	10968	8-11	1200	Fri	00637 00012 83486 93248 67003 57913 72630 50387 54929 09106 20614 44870 26097 94026 25450	MFSK-16/20Bd	(AB/MPJ)
XPA2	12168	8-11	1220	Fri	00637 00012 83486 93248 67003 57913 72630 50387 54929 09106 20614 44870 26097 94026 25450	MFSK-16/20Bd	(AB/MPJ)
XPA2	13368	8-11	1240	Fri	00637 00012 83486 93248 67003 57913 72630 50387 54929 09106 20614 44870 26097 94026 25450	MFSK-16/20Bd	(AB/MPJ)
XPA2	15985	9-11	0910	Sat	00427 00042 61650 ... 75591 34772 30624	MFSK-16/20Bd	(AB/HFD)
XPA2	14885	9-11	0930	Sat	00427 00042 61650 ... 75591 34772 30624	MFSK-16/20Bd	(AB/HFD)
XPA2	13885	9-11	0950	Sat	00427 00042 61650 ... 75591 34772 30624	MFSK-16/20Bd	(AB/HFD)
XPA2	8126	9-11	1600	Sat	05625 00001 00000 36657	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	6826	9-11	1620	Sat	05625 00001 00000 36657	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	5326	9-11	1640	Sat	05625 00001 00000 36657	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14783	10-11	1200	Sun	05342 00086 36785 ... 53968 28685 26076	MFSK-16/20Bd	(AB/MPJ)
XPA2	13883	10-11	1220	Sun	05342 00086 36785 ... 53968 28685 26076	MFSK-16/20Bd	(AB/MPJ)
XPA2	12183	10-11	1240	Sun	05342 00086 36785 ... 53968 28685 26076	MFSK-16/20Bd	(AB/MPJ)
XPA2	11529	11-11	0800	Mon	00280 00105 63240 ... 77624 79548 75370	MFSK-16/20Bd	(AB)
XPA2	13429	11-11	0820	Mon	00280 00105 63240 ... 77624 79548 75370	MFSK-16/20Bd	(AB)
XPA2	13929	11-11	0840	Mon	00280 00105 63240 ... 77624 79548 75370	MFSK-16/20Bd	(AB)
XPA2	17413	11-11	0910	Mon	00450 00178 52779 ... 71726 74272 03563	MFSK-16/20Bd	(AB)
XPA2	15852	11-11	0930	Mon	00450 00178 52779 ... 71726 74272 03563	MFSK-16/20Bd	(AB)
XPA2	13363	11-11	0950	Mon	00450 00178 52779 ... 71726 74272 03563	MFSK-16/20Bd	(AB)
XPA2	8126	11-11	1600	Mon	03802 00001 00000 36253	MFSK-16/20Bd	(AB/MPJ)
XPA2	6826	11-11	1620	Mon	03802 00001 00000 36253	MFSK-16/20Bd	(AB/MPJ)
XPA2	5326	11-11	1640	Mon	03802 00001 00000 36253	MFSK-16/20Bd	(AB/MPJ)
XPA2	14783	12-11	1200	Tue	05342 00086 36785 ... 53968 28685 26076	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	13883	12-11	1220	Tue	05342 00086 36785 ... 53968 28685 26076	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	12183	12-11	1240	Tue	05342 00086 36785 ... 53968 28685 26076	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	10223	12-11	1600	Tue	00504 00185 41780 ... 92652 66270 74413	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	9223	12-11	1620	Tue	00504 00185 41780 ... 92652 66270 74413	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	8123	12-11	1640	Tue	00504 00185 41780 ... 92652 66270 74413	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	11529	13-11	0800	Wed	00280 00105 63240 ... 77624 79548 75370	MFSK-16/20Bd	(AB)

XPA2	13429	13-11	0820	Wed	00280 00105 63240 ... 77624 79548 75370	MFSK-16/20Bd	(AB)
XPA2	13929	13-11	0840	Wed	00280 00105 63240 ... 77624 79548 75370	MFSK-16/20Bd	(AB)
XPA2	17413	13-11	0910	Wed	00450 00178 52779 ... 71726 74272 03563	MFSK-16/20Bd	(AB/HFD)
XPA2	15852	13-11	0930	Wed	00450 00178 52779 ... 71726 74272 03563	MFSK-16/20Bd	(AB/HFD)
XPA2	13363	13-11	0950	Wed	00450 00178 52779 ... 71726 74272 03563	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	10968	13-11	1200	Wed	04464 00104 07221... 53854 74243 02564	MFSK-16/20Bd	(AB/MPJ)
XPA2	12168	13-11	1220	Wed	04464 00104 07221... 53854 74243 02564	MFSK-16/20Bd	(AB/MPJ)
XPA2	13368	13-11	1240	Wed	04464 00104 07221... 53854 74243 02564	MFSK-16/20Bd	(AB/MPJ)
XPA2	15985	14-11	0910	Thu	00357 00139 01116 ... 29702 65789 32207	MFSK-16/20Bd	(AB)
XPA2	14885	14-11	0930	Thu	00357 00139 01116 ... 29702 65789 32207	MFSK-16/20Bd	(AB)
XPA2	13885	14-11	0950	Thu	00357 00139 01116 ... 29702 65789 32207	MFSK-16/20Bd	(AB/RL)
XPA2	10223	14-11	1600	Thu	00504 00185 41780 ... 92652 66270 74413	MFSK-16/20Bd	(AB/MPJ)
XPA2	9223	14-11	1620	Thu	00504 00185 41780 ... 92652 66270 74413	MFSK-16/20Bd	(AB/MPJ)
XPA2	8123	14-11	1640	Thu	00504 00185 41780 ... 92652 66270 74413	MFSK-16/20Bd	(AB/MPJ)
XPA2	10968	15-11	1200	Fri	04464 00104 07221... 53854 74243 02564	MFSK-16/20Bd	(AB/MPJ)
XPA2	12168	15-11	1220	Fri	04464 00104 07221... 53854 74243 02564	MFSK-16/20Bd	(AB/MPJ)
XPA2	13368	15-11	1240	Fri	04464 00104 07221... 53854 74243 02564	MFSK-16/20Bd	(AB/MPJ)
XPA2	15985	16-11	0910	Sat	00357 00139 01116 ... 29702 65789 32207	MFSK-16/20Bd	(AB/RL)
XPA2	14885	16-11	0930	Sat	00357 00139 01116 ... 29702 65789 32207	MFSK-16/20Bd	(AB/RL)
XPA2	13885	16-11	0950	Sat	00357 00139 01116 ... 29702 65789 32207	MFSK-16/20Bd	(AB/RL)
XPA2	8126	16-11	1600	Sat	00522 00240 41119 ... 60286 54649 31200	MFSK-16/20Bd	(AB/MPJ)
XPA2	6826	16-11	1620	Sat	00522 00240 41119 ... 60286 54649 31200	MFSK-16/20Bd	(AB/MPJ)
XPA2	5326	16-11	1640	Sat	00522 00240 41119 ... 60286 54649 31200	MFSK-16/20Bd	(AB/MPJ)
XPA2	14783	17-11	1200	Sun	00201 00070 25001 ... 78806 19937 52745	MFSK-16/20Bd	(AB/MPJ)
XPA2	13883	17-11	1220	Sun	00201 00070 25001 ... 78806 19937 52745	MFSK-16/20Bd	(AB/MPJ)
XPA2	12183	17-11	1240	Sun	00201 00070 25001 ... 78806 19937 52745	MFSK-16/20Bd	(AB/MPJ)
XPA2	11529	18-11	0800	Mon	00280 00105 63240 ... 77624 79548 75370	MFSK-16/20Bd	(AB/HFD)
XPA2	13429	18-11	0820	Mon	00280 00105 63240 ... 77624 79548 75370	MFSK-16/20Bd	(AB/HFD)
XPA2	13929	18-11	0840	Mon	00280 00105 63240 ... 77624 79548 75370	MFSK-16/20Bd	(AB/HFD)
XPA2	17413	18-11	0910	Mon	00537 00144 86334 ... 67103 98511 06001	MFSK-16/20Bd	(AB)
XPA2	15852	18-11	0930	Mon	00537 00144 86334 ... 67103 98511 06001	MFSK-16/20Bd	(AB)
XPA2	13363	18-11	0950	Mon	00537 00144 86334 ... 67103 98511 06001	MFSK-16/20Bd	(AB/RL)
XPA2	8126	18-11	1600	Mon	00522 00240 41119 ... 60286 54649 31200	MFSK-16/20Bd	(AB/MPJ)
XPA2	6826	18-11	1620	Mon	00522 00240 41119 ... 60286 54649 31200	MFSK-16/20Bd	(AB/MPJ)
XPA2	5326	18-11	1640	Mon	00522 00240 41119 ... 60286 54649 31200	MFSK-16/20Bd	(AB/MPJ)
XPA2	14783	19-11	1200	Tue	00201 00070 25001 ... 78806 19937 52745	MFSK-16/20Bd	(AB/FT/MPJ)
XPA2	13883	19-11	1220	Tue	00201 00070 25001 ... 78806 19937 52745	MFSK-16/20Bd	(AB/FT/MPJ)
XPA2	12183	19-11	1240	Tue	00201 00070 25001 ... 78806 19937 52745	MFSK-16/20Bd	(AB/FT/MPJ)
XPA2	10223	19-11	1600	Tue	05662 00001 00000 45263	MFSK-16/20Bd	(AB/FT/MPJ)
XPA2	9223	19-11	1620	Tue	05662 00001 00000 45263	MFSK-16/20Bd	(AB/FT/MPJ)

XPA2	8123	19-11	1640	Tue	05662 00001 00000 45263	MFSK-16/20Bd	(AB/FT/MPJ)
XPA2	11529	20-11	0800	Wed	00280 00105 63240 ... 77624 79548 75370	MFSK-16/20Bd	(AB)
XPA2	13429	20-11	0820	Wed	00280 00105 63240 ... 77624 79548 75370	MFSK-16/20Bd	(AB)
XPA2	13929	20-11	0840	Wed	00280 00105 63240 ... 77624 79548 75370	MFSK-16/20Bd	(AB)
XPA2	17413	20-11	0910	Wed	00537 00144 86334 ... 67103 98511 06001	MFSK-16/20Bd	(AB)
XPA2	15852	20-11	0930	Wed	00537 00144 86334 ... 67103 98511 06001	MFSK-16/20Bd	(AB)
XPA2	13363	20-11	0950	Wed	00537 00144 86334 ... 67103 98511 06001	MFSK-16/20Bd	(AB/RL)
XPA2	10968	20-11	1200	Wed	04464 00104 07221... 53854 74243 02564	MFSK-16/20Bd	(AB)
XPA2	12168	20-11	1220	Wed	04464 00104 07221... 53854 74243 02564	MFSK-16/20Bd	(AB)
XPA2	13368	20-11	1240	Wed	04464 00104 07221... 53854 74243 02564	MFSK-16/20Bd	(AB)
XPA2	15985	21-11	0910	Thu	00357 00139 01116 ... 29702 65789 32207	MFSK-16/20Bd	(AB/RL)
XPA2	14885	21-11	0930	Thu	00357 00139 01116 ... 29702 65789 32207	MFSK-16/20Bd	(AB/RL)
XPA2	13885	21-11	0950	Thu	00357 00139 01116 ... 29702 65789 32207	MFSK-16/20Bd	(AB/RL)
XPA2	10223	21-11	1600	Thu	03805 00001 00000 36553	MFSK-16/20Bd	(AB/MPJ)
XPA2	9223	21-11	1620	Thu	03805 00001 00000 36553	MFSK-16/20Bd	(AB/MPJ)
XPA2	8123	21-11	1640	Thu	03805 00001 00000 36553	MFSK-16/20Bd	(AB/MPJ)
XPA2	10968	22-11	1200	Fri	04464 00104 07221... 53854 74243 02564	MFSK-16/20Bd	(AB)
XPA2	12168	22-11	1220	Fri	04464 00104 07221... 53854 74243 02564	MFSK-16/20Bd	(AB)
XPA2	13368	22-11	1240	Fri	04464 00104 07221... 53854 74243 02564	MFSK-16/20Bd	(AB)
XPA2	15985	23-11	0910	Sat	00357 00139 01116 ... 29702 65789 32207	MFSK-16/20Bd	(AB/RL)
XPA2	14885	23-11	0930	Sat	00357 00139 01116 ... 29702 65789 32207	MFSK-16/20Bd	(AB/RL)
XPA2	13885	23-11	0950	Sat	00357 00139 01116 ... 29702 65789 32207	MFSK-16/20Bd	(AB/RL)
XPA2	8126	23-11	1600	Sat	06432 00001 00000 34261	MFSK-16/20Bd	(AB/MPJ)
XPA2	6826	23-11	1620	Sat	06432 00001 00000 34261	MFSK-16/20Bd	(AB/MPJ)
XPA2	5326	23-11	1640	Sat	06432 00001 00000 34261	MFSK-16/20Bd	(AB/MPJ)
XPA2	14783	24-11	1200	Sun	02657 00082 46402 ... 87370 81309 75043	MFSK-16/20Bd	(AB/MPJ)
XPA2	13883	24-11	1220	Sun	02657 00082 46402 ... 87370 81309 75043	MFSK-16/20Bd	(AB/MPJ)
XPA2	12183	24-11	1240	Sun	02657 00082 46402 ... 87370 81309 75043	MFSK-16/20Bd	(AB/MPJ)
XPA2	13875	24-11	1243	Sun	i.p.	MFSK-16/20Bd	(AB)
XPA2	11529	25-11	0800	Mon	03780 00001 00000 34663	MFSK-16/20Bd	(AB)
XPA2	13429	25-11	0820	Mon	03780 00001 00000 34663	MFSK-16/20Bd	(AB)
XPA2	13929	25-11	0840	Mon	03780 00001 00000 34663	MFSK-16/20Bd	(AB)
XPA2	17413	25-11	0910	Mon	00537 00144 86334 ... 67103 98511 06001	MFSK-16/20Bd	(AB/RL)
XPA2	15852	25-11	0930	Mon	00537 00144 86334 ... 67103 98511 06001	MFSK-16/20Bd	(AB/RL)
XPA2	13363	25-11	0950	Mon	00537 00144 86334 ... 67103 98511 06001	MFSK-16/20Bd	(AB/RL)
XPA2	8126	25-11	1600	Mon	05939 00125 67475 ... 82979 84503 53026	MFSK-16/20Bd	(AB)
XPA2	6826	25-11	1620	Mon	05939 00125 67475 ... 82979 84503 53026	MFSK-16/20Bd	(AB)
XPA2	5326	25-11	1640	Mon	05939 00125 67475 ... 82979 84503 53026	MFSK-16/20Bd	(AB)
XPA2	14783	26-11	1200	Tue	02657 00082 46402 ... 87370 81309 75043	MFSK-16/20Bd	(AB/MPJ)
XPA2	13883	26-11	1220	Tue	02657 00082 46402 ... 87370 81309 75043	MFSK-16/20Bd	(AB/MPJ)

XPA2	12183	26-11	1240	Tue	02657 00082 46402 ... 87370 81309 75043	MFSK-16/20Bd	(AB/MPJ)
XPA2	10223	26-11	1600	Tue	05328 00149 34029 ... 13437 11427 01767	MFSK-16/20Bd	(AB/MPJ)
XPA2	9223	26-11	1620	Tue	05328 00149 34029 ... 13437 11427 01767	MFSK-16/20Bd	(AB/MPJ)
XPA2	8123	26-11	1640	Tue	05328 00149 34029 ... 13437 11427 01767	MFSK-16/20Bd	(AB/MPJ)
XPA2	11529	27-11	0800	Wed	06144 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	13429	27-11	0820	Wed	06144 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	13929	27-11	0840	Wed	06144 00001 00000 33662	MFSK-16/20Bd	(AB)
XPA2	17413	27-11	0910	Wed	00537 00144 86334 ... 67103 98511 06001	MFSK-16/20Bd	(AB/RL)
XPA2	15852	27-11	0930	Wed	00537 00144 86334 ... 67103 98511 06001	MFSK-16/20Bd	(AB/RL)
XPA2	13363	27-11	0950	Wed	00537 00144 86334 ... 67103 98511 06001	MFSK-16/20Bd	(AB/RL)
XPA2	10968	27-11	1200	Wed	02892 00040 93033 ... 35161 89980 52625	MFSK-16/20Bd	(AB/MPJ)
XPA2	12168	27-11	1220	Wed	02892 00040 93033 ... 35161 89980 52625	MFSK-16/20Bd	(AB/MPJ)
XPA2	13368	27-11	1240	Wed	02892 00040 93033 ... 35161 89980 52625	MFSK-16/20Bd	(AB/MPJ)
XPA2	14531	28-11	0800	Thu	00770 00548 72102 ... 06791 75325 03051	MFSK-16/29Bd	(AB/HFD)
XPA2	13391	28-11	0820	Thu	00770 00548 72102 ... 06791 75325 03051	MFSK-16/29Bd	(AB/HFD)
XPA2	12177	28-11	0840	Thu	00770 00548 72102 ... 06791 75325 03051	MFSK-16/29Bd	(AB/HFD)
XPA2	15985	28-11	0910	Thu	08345 00066 91543 ... 89932 12833 72111	MFSK-16/20Bd	(AB/RL)
XPA2	14885	28-11	0930	Thu	08345 00066 91543 ... 89932 12833 72111	MFSK-16/20Bd	(AB/RL)
XPA2	13885	28-11	0950	Thu	08345 00066 91543 ... 89932 12833 72111	MFSK-16/20Bd	(AB/RL)
XPA2	16261	28-11	1000	Thu	00176 00001 00000 34657	MFSK-16/20Bd	(AB/HFD)
XPA2	15819	28-11	1020	Thu	00176 00001 00000 34657	MFSK-16/20Bd	(AB/HFD)
XPA2	14551	28-11	1040	Thu	00176 00001 00000 34657	MFSK-16/20Bd	(AB/HFD)
XPA2	15996	28-11	1200	Thu	00109 00698 82457 ... 23949 51235 55013	MFSK-16/20Bd	(AB/HFD)
XPA2	14563	28-11	1220	Thu	00109 00698 82457 ... 23949 51235 55013	MFSK-16/20Bd	(AB/HFD)
XPA2	13875	28-11	1240	Thu	00109 00698 82457 ... 23949 51235 55013	MFSK-16/20Bd	(AB/HFD)
XPA2	12217	28-11	1400	Thu	00868 00612 69393 ... 98056 88102 52004	MFSK-16/20Bd	(AB/HFD)
XPA2	11114	28-11	1420	Thu	00868 00612 69393 ... 98056 88102 52004	MFSK-16/20Bd	(AB/HFD)
XPA2	10229	28-11	1440	Thu	00868 00612 69393 ... 98056 88102 52004	MFSK-16/20Bd	(AB/HFD)
XPA2	10223	28-11	1600	Thu	05328 00149 34029 ... 13437 11427 01767	MFSK-16/20Bd	(AB/MPJ)
XPA2	9223	28-11	1620	Thu	05328 00149 34029 ... 13437 11427 01767	MFSK-16/20Bd	(AB/MPJ)
XPA2	8123	28-11	1640	Thu	05328 00149 34029 ... 13437 11427 01767	MFSK-16/20Bd	(AB/MPJ)
XPA2	5821	28-11	1740	Thu	message	MFSK-16/20Bd	(Danix)
XPA2	6834	28-11	1840	Thu	02560 00001 00000 33660	MFSK-16/20Bd	(AB)
XPA2	10968	29-11	1200	Fri	02892 00040 93033 ... 35161 89980 52625	MFSK-16/20Bd	(AB/MPJ)
XPA2	12168	29-11	1220	Fri	02892 00040 93033 ... 35161 89980 52625	MFSK-16/20Bd	(AB/MPJ)
XPA2	13368	29-11	1240	Fri	02892 00040 93033 ... 35161 89980 52625	MFSK-16/20Bd	(AB/MPJ)
XPA2	15985	30-11	0910	Sat	08345 00066 91543 ... 89932 12833 72111	MFSK-16/20Bd	(AB/RL)
XPA2	14885	30-11	0930	Sat	08345 00066 91543 ... 89932 12833 72111	MFSK-16/20Bd	(AB/RL)
XPA2	13885	30-11	0950	Sat	08345 00066 91543 ... 89932 12833 72111	MFSK-16/20Bd	(AB/RL)
XPA2	8126	30-11	1600	Sat	05939 00125 67475 ... 82979 84503 53026	MFSK-16/20Bd	(AB/MPJ)

XPA2	6826	30-11	1620	Sat	05939 00125 67475 ... 82979 84503 53026	MFSK-16/20Bd	(AB/MPJ)
XPA2	5326	30-11	1640	Sat	05939 00125 67475 ... 82979 84503 53026	MFSK-16/20Bd	(AB/MPJ)
XPB1	13894	4-11	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13394	4-11	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12194	4-11	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11494	4-11	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11094	4-11	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10494	4-11	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7876	5-11	2000	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7576	5-11	2010	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6876	5-11	2020	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5876	5-11	2030	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5376	5-11	2040	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4476	5-11	2050	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13894	9-11	1100	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13394	9-11	1110	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12194	9-11	1120	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	11494	9-11	1130	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	11094	9-11	1140	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10494	9-11	1150	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7876	10-11	2000	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7576	10-11	2010	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6876	10-11	2020	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5876	10-11	2030	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5376	10-11	2040	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4476	10-11	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13894	11-11	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13394	11-11	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12194	11-11	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11494	11-11	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11094	11-11	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10494	11-11	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7876	12-11	2000	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7576	12-11	2010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6876	12-11	2020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5876	12-11	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5376	12-11	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4476	12-11	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13894	16-11	1100	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13394	16-11	1110	Sat	Russian intel.	MFSK-16	(AB)

XPB1	12194	16-11	1120	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11494	16-11	1130	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11094	16-11	1140	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10494	16-11	1150	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	7876	17-11	2000	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7576	17-11	2010	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6876	17-11	2020	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5876	17-11	2030	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5376	17-11	2040	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4476	17-11	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13894	18-11	1100	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13394	18-11	1110	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12194	18-11	1120	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11494	18-11	1130	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11094	18-11	1140	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10494	18-11	1150	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	7876	19-11	2000	Tue	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	7576	19-11	2010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6876	19-11	2020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5876	19-11	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5376	19-11	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4476	19-11	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13894	23-11	1100	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13394	23-11	1110	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12194	23-11	1120	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11494	23-11	1130	Sat	Russian intel.	MFSK-16	(AB)
XPB1	11094	23-11	1140	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10494	23-11	1150	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	7876	24-11	2000	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	7576	24-11	2010	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	6876	24-11	2020	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	5876	24-11	2030	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5376	24-11	2040	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4476	24-11	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13894	25-11	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13394	25-11	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12194	25-11	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11494	25-11	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11094	25-11	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10494	25-11	1150	Mon	Russian intel.	MFSK-16	(AB)

XPB1	7876	26-11	2000	Tue	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	7576	26-11	2010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6876	26-11	2020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5876	26-11	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5376	26-11	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4476	26-11	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13894	30-11	1100	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13394	30-11	1110	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12194	30-11	1120	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	11494	30-11	1130	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	11094	30-11	1140	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10494	30-11	1150	Sat	Russian intel.	MFSK-16	(AB)
XSL	4153	12-11	1508	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	12-11	1508	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	12-11	1508	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	12-11	1508	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6417	12-11	1508	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	12-11	1508	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	12-11	1508	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8588	12-11	1508	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8703.5	12-11	1508	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4153	13-11	1354	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	13-11	1354	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	13-11	1354	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	13-11	1354	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6417	13-11	1354	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	13-11	1354	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	13-11	1354	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8588	13-11	1354	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8703.5	13-11	1354	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

CONTRIBUTORS

Thanks to the 19 contributors. They collected some 3,000 logs!

AB	Ary Boender, Netherlands	F5JBR-KOR	F5JBR via remote rx South Korea
AB-AUT	Ary Boender via remote rx Austria	FT	Frank Thierry
AB-CHN	Ary Boender via remote rx China	GHn	Gary Hagermann, UK
AB-FIN	Ary Boender via remote rx Finland	Gwr	Gwraspe (via Priyom)
AB-G	Ary Boender via remote rx UK	HFD	Hans-Friedrich Dumrese, Germany
AB-J	Ary Boender via remote rx Japan	HFD-HK	Hans-Friedrich Dumrese via remote rx Hong Kong
AB-KWT	Ary Boender via remote rx Kuwait	HFD-POL	Hans-Friedrich Dumrese via remote rx Poland
AB-PHL	Ary Boender via remote rx Philippines	HFD-UKR	Hans-Friedrich Dumrese via remote rx Ukraine
AB-POL	Ary Boender via remote rx Poland	HFD-USA	Hans-Friedrich Dumrese via remote rx USA
AB-ROU	Ary Boender via remote rx Romania	HK	Hiroyuki Komatsubara, Japan
AB-RUS	Ary Boender via remote rx Russia	JPL	JPL, NB, Canada (and various remote rx)
AB-USA	Ary Boender via remote rx USA	JPL-HK	JPL via remote rx Hong Kong
BW3-J	Barry Williams via remote rx Japan	JPL-RUS	JPL via remote rx Russia
Dan	Daniel LU5EMM, Argentina	Kalv	Kalvados
Danix	Danix, Poland	MPJ	Jim, SW England
Danix-USA	Danix via remote rx USA	MPJ-FIN	Jim via remote rx Finland
DK8OK	DK8OK Nils Schiffhaur, D	MPJ-HNG	Jim via remote rx Hungary
ES	Edward Smith, UK	MPJ-POL	Jim via remote rx Poland
ES-HOL	Edward Smith via remote rx Netherlands	MPJ-RUS	Jim via remote rx Russia
EW	Eddy Waters, Australia	RL	Roberto Landolpho, Brazil
F5JBR	F5JBR André, France	RR2	Rich Ray, IL, USA
F5JBR-J	F5JBR André via remote rx Japan	WP3	Wolfgang Palmberger



Simon's World Map utility <https://www.sdr-radio.com/Blog/PostId/64/simons-world-map-108>

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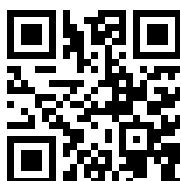
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070 27364 92830 89428 81286 43982 38998 32794 31276 81
086 88932 78987 32123 49817 26346 81287 65491 87364 81
021 75654 55656 12737 72727 72727 91918 63473 67867 70
023 87629 37677 32612 53498 71296 28756 18276 98716 87
0269 76329 74698 76857 98670 27601 56701 57601 73648 10
091 87364 87265 96710 27630 12673 84769 28743 98127 00
0 63298 75698 27465 87326 49876 28376 81273 98615 00
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057 68768 68763 34234 34238 68768 62342 48273 48768 230
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