

6	27364	92836	09428	01208	14982	46498	32764	31277	
86	40932	70987	32123	49817	26346	81287	65491	87364	8
721	75654	55656	12737	72727	72727	91918	63473	67867	7
723	87629	37677	32612	53498	71296	28756	18276	98716	87
269	76329	74698	76857	98670	27601	56701	57601	73648	1
791	87364	87265	96710	27630	12673	84769	28743	98127	7
8	63298	75698	27465	87326	49876	28376	81273	98615	
7	87432	74328	78674	29867	32867	67867	86786	43286	87
17	68768	68763	34234	34238	68768	62342	48273	48768	2
26	98432	32432	86743	43286	43286	43286	43286	43286	43
243	86743	86743	39867	32867	86743	43286	43286	43243	86
8	86743	86743	86743	86743	86743	86743	86743	86743	4
93	98798	98754	98754	98754	98754	29867	67543	67986	9
6	87698	69876	87698	69876	87612	12341	34867	86798	6
7	43298	65656	56756	56123	32143	14321	32143	14321	31
707	58767	76587	58765	76587	58765	76587	58765	76587	58

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #264, September 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

I'd like to draw your attention to an interesting exhibition: the **Secret Communications exhibition in Duivendrecht, The Netherlands**.

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

Saturday 16 November 2019

Saturday 23 November 2019

Saturday 7 December 2019

Saturday 21 December 2019

Sunday 12 January 2020

More information on their website <http://www.cdvandt.org/secret-comms-3-flyer-2.htm>

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

I seems that V02a and M08a are really gone now. We haven't heard one single message from neither one of them in months. I wouldn't be surprised if HM01 would stop also. The number of messages is practically zero. There were five new groups and files in September which were repeated the rest of the month. The first half of the month HM01 repeated groups and files from 18 August.

Although the conditions were often quite bad in August we still have a nice collection of logs and transcripts for you.

Enjoy and please send us your logs and info.

VOICE STATIONS

E06

16270 kHz, 05-09, 0600 UTC. 16265 kHz expected

16265 kHz, 06-09, 0600 UTC

354 207 61 207 61

13375 43663 92068 16435 64609 34000 33118 12012 60419 84299
98583 97759 24125 92015 54863 26541 99390 97309 87017 19928
50406 77757 41004 73112 55149 08375 92564 43102 65142 54168
78716 49913 30151 87387 52771 95438 11269 46674 48835 29672
30811 80295 66712 18993 32463 40642 13160 96182 50124 22188
60423 96867 08879 60092 08004 12079 06531 31633 58575 11608
49146
207 61 207 61 00000

5186 kHz, 05-09, 2030 UTC

5197 kHz, 06-09, 2130 UTC

891 979 45

15432 86426 05598 65675 65790 43483 23453 83874 12353 12452
68710 08343 24102 88748 72607 03936 73261 61723 87182 83823
84574 61251 87891 23467 94546 13242 17964 43525 12121 21198
64265 42346 56781 44322 38765 32145 63451 22344 56944 13368
78965 12368 12346 73456 32422
979 45 00000
Windows shut down sound

14370 kHz, 19-09/20-09, 0500 UTC

16265 kHz, 19-09/20-09, 0600 UTC

354 689 51

01261 76389 27741 38571 85804 75481 58099 24971 66474 25749
86118 58948 57993 52740 74196 95702 77422 97196 78256 50973
58992 82987 56197 81997 02637 53506 18615 84893 79649 93711
07753 33157 43907 79994 15609 11955 22099 25077 77146 27910
81397 10104 99531 99060 98004 21137 13353 54683 75017 32236
56740
689 51 00000

5186 kHz, 19-09, 2030 UTC

891 472 52

12265 10965 47839 38654 84677 93453 72217 84393 04673 97564
01824 75643 84221 95647 92112 94543 76577 43435 47322 84232
95674 87344 57438 42763 49325 57438 92190 96785 21244 05674
01765 76354 83645 21234 97564 82133 07564 83234 75312 71211
05674 65374 67321 94884 23483 82521 41212 57333 85331 53234
05124 95732
472 52 00000
891 Windows shut down sound

5197 kHz, 20-09, 2130 UTC. Null message followed by a message

634 634 634 00000

634 273 62

64537 27364 28374 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 85937 34021 83929 90184 72641 84829 74826 48231 83732
72642 85914 38539 34752 75392 83483 75637 73892 95736 64612
84759 76491
273 62 00000

E07

9064/10264/11464 kHz, 01-09, 0600/0620/0640 UTC

9064/10264/11464 kHz, 01-09, 1300/1320/1340 UTC

024 024 024 1 838 49 838 49

20364 32154 52064 13043 76659 91660 78819 08387 19282 96912
65684 39366 07764 82492 03621 80856 54715 33261 10208 10426
24989 30392 36782 09211 90185 82683 12875 08055 54666 24340
85186 15505 82265 51047 92399 83826 82255 46972 14158 59154
14896 86834 65143 95874 94443 83466 09855 24955 24192 000 000

14584/13384/11584 kHz, 02-09/04-09, 1900/1920/1940 UTC

535 535 535 1 724 115 724 115

79773 29440 38720 30691 60804 65727 74020 00392 30096 71605
62558 16641 29279 36109 23191 37342 46982 31494 66557 85770
94875 71202 49912 60689 61152 08527 96216 94263 60805 74949
43461 52557 88995 02973 38650 82975 94289 47248 36529 92294
63249 55838 79883 32209 91447 15973 24605 03353 22201 05224
15854 50797 03804 97188 45683 12627 46003 02415 97620 13453
94097 30390 78413 97770 90134 09402 10862 07671 45232 16507
94082 67783 54647 38672 64582 21329 49470 45911 54188 40228
39229 32776 74017 53602 02830 70833 65509 61652 01912 11637
24871 49292 69084 55194 86908 18007 09590 16941 89320 88604
83088 69897 91201 62973 09524 11526 48492 07123 21209 02597
19074 97973 44642 51327 86355 000 000

9064/10264/11464 kHz, 07-09/08-09/14-09/15-09, 0600/0620/0640 UTC

9064/10264/11464 kHz, 07-09/08-09/14-09/15-09, 1300/1320/1340 UTC

024 024 024 634 48 634 48

61207 69957 98876 79118 70452 25348 72885 33627 56364 99798
10385 61291 48610 85357 80992 29462 62372 22270 37711 40624
71514 24391 74993 76933 09213 05305 12692 23123 91473 16141
57034 99869 37001 79595 44701 77336 59818 05575 51108 35629
94908 16462 01547 14538 45283 62743 11458 01537 000 000

14584/13384/11584 kHz, 09-09/16-09/18-09, 1900/1920/1940 UTC

03054 39107 000 000

535 535 535 1 378 23 378 23

23173 29337 80427 52527 89202 13424 99034 24501 84489 62124
83437 25551 31294 29878 23531 19090 17858 08673 04428 33787
83896 03054 39107 000 000

16354/18654/19354 kHz, 10-09/13-09, 0700/0720/0740 UTC

363 363 363 1 7140 34 7140 34
36712 00595 09872 32699 75967 37839 41575 58435 76614 42401
82514 98443 46007 33097 41016 15472 50595 00362 87618 50077
47848 94289 93786 72592 70072 12636 17798 50714 68309 18228
65583 61161 67401 04198 000 000

12139/10639/9139 kHz, 11-09/15-09/18-09, 1700/1720/1740 UTC

161 161 161 1 536 139 536 139
53026 67330 38660 92445 59038 04756 53390 84402 98903 68161
04456 01389 28718 54441 20246 71012 81510 86359 97212 85499
35525 68591 64414 98956 72296 03554 92797 25310 86466 46988
68378 76543 89941 27937 06013 52111 35170 28685 59645 49409
45035 00357 87797 54638 17973 41086 73933 15526 47598 88151
67324 24241 54362 87507 25866 52147 40689 31662 56865 31752
64583 45631 46132 10387 12639 31462 49070 91338 19751 30219
24144 20668 15889 17824 81092 46884 57584 45806 71586 15808
10550 94546 57018 55553 81570 37505 50552 29871 02330 94381
85565 72334 16047 85467 76939 80471 70075 66835 16893 80400
04748 46622 92963 01883 18209 77269 64176 91184 88281 49073
66089 29012 40691 06289 93709 96399 51186 93715 51453 57566
73555 40016 55239 44297 45892 14283 09177 30770 70877 81942
86296 00309 02349 82690 28121 29115 85995 88310 13645 000 000

12139/10639/9139 kHz, 22-09/25-09/29-09, 1700/1720/1740 UTC

161 161 161 1 659 121 659 121
78926 52608 50985 25597 47562 48126 67599 28876 41995 15224
80003 12476 19109 24267 37455 72368 66278 45562 64604 47160
49135 46759 66579 09341 11268 29707 19062 27545 64357 23794
75658 11838 91859 64838 65285 79524 12236 86675 36452 88898
87928 43066 52052 34397 50945 69107 12081 14813 75779 27354
80363 88807 30072 80923 91299 01801 82340 08167 35578 19014
65095 07582 01374 89988 88206 59154 53167 09145 88246 44859
26584 63304 47586 25665 42304 89553 44959 56219 17786 46968
92437 88862 95401 55210 16718 77988 08059 32347 49375 63404
90713 35182 21538 77189 68777 69693 53375 53691 72040 99892
38101 85435 65807 56193 35741 94512 01291 28562 97126 86957
22241 01157 16572 50476 88604 58927 45825 06134 98393 50307
40256 000 000

16354/18654/19354 kHz, 24-09/27-09, 0700/0720/0740 UTC

363 363 363 1 6089 54 6089 54
87756 13752 17327 21202 72675 24427 74334 97808 16132 23987
10168 58771 95366 59419 31460 20593 48728 45096 53256 74333
43459 31028 95243 16117 66261 40539 07253 66316 34552 46892
06172 26509 95747 00985 28446 40076 02759 14171 41687 16115
76997 90068 88857 06826 16090 78064 17215 07645 11457 77166
49163 71993 15121 03478 000 000

16228/15928/14928 kHz, 26-09, 1410/1430/1450 UTC

594 594 594 1 529 45 529 45
58489 21126 49298 00606 79734 21919 01425 47735 84918 82006
11258 73032 82651 04250 18090 47026 92166 45148 38552 63682
00233 45593 57426 86201 92197 31833 15861 60281 40588 25391
04843 88968 56021 35254 03442 01861 15958 18351 67098 46704
71771 26136 32569 09125 93891 000 000

18438/16338/14938 kHz, 24-09/27-09, 1100/1120/1140 UTC

439 439 439 1 8395 138 8395 148

20971 19428 25441 01671 00885 05973 56696 55449 69057 04706
06161 08033 91076 31699 26060 02611 55661 88773 61917 76471
95523 53841 69964 85188 76371 64105 71251 15066 00997 19848
37997 62218 79143 17315 19384 22337 52425 73273 40985 48471
83275 63901 07017 77457 11180 10589 90145 75936 26367 70414
31756 68781 53342 31865 00659 53804 25281 45738 32687 07599
79071 31092 74044 24617 55053 57086 53077 78326 01994 51326
05587 72656 61427 77134 68341 91159 73612 22800 60428 62492
89159 53406 96476 36262 59489 36513 18381 53706 98391 05253
03508 01164 65531 25216 17246 82324 74339 33092 76669 17043
88790 74766 11199 66252 23404 70708 50276 29658 02611 39905
68828 03600 19907 75767 73331 74545 23071 84230 80728 99736
39618 50699 75764 93121 99414 98587 95403 77888 59015 56208
86882 10844 21535 47592 76599 35710 98897 10400 38351 98259
07431 66066 89891 87511 54212 15651 34480 41723 000 000

E11a

7317 kHz, 02-09/05-09, 1900 UTC

644/34 Attention

91614 60978 88045 49333 03088 38547 31092 86265 49278 87791
12964 89253 73324 77129 37150 73299 28621 45240 60917 79540
88723 04495 24795 57987 56842 12300 70479 38998 20948 87737
15531 48354 97787 02531

Attention (message repeated) Out

10800 kHz, 05-09, 0645 UTC

518/34 Attention

31071 46909 62841 64689 42253 59715 72272 60856 28354 72353
43081 16249 69493 31655 56500 83072 34080 56335 35186 73899
12768 09498 12331 70862 75925 03343 88333 80197 77961 85014
19688 99957 09010 85994

Attention (message repeated) Out

4505 kHz, 07-09/08-09, 1930 UTC

364/36 Attention

97159 87073 83135 64322 77750 99929 98280 34889 51962 17957
82080 30513 18745 10207 70505 41110 80499 02731 35483 64033
33616 82463 00824 04855 17721 89969 96529 88329 71954 59721
86855 88557 76553 12789 80458 38563

Attention (message repeated) Out

8180 kHz, 09-09, 0900 UTC

530/40 Attention

27356 95503 07832 03481 25387 94209 41773 32943 00812 16971
91305 74044 02438 23716 08273 65074 10576 91396 61626 73361
88665 80051 38569 85417 60874 27197 58194 75132 49401 80092
21757 12297 02496 81211 08656 09255 69629 76221 01250 39658

Attention (message repeated) Out

5737 kHz, 09-09, 1530 UTC

525/34 Attention

31702 17555 96148 33385 28173 59305 87071 03497 90357 05756
42584 55408 29135 62076 71886 82929 72386 01652 63677 70698
12384 97169 09647 71550 16155 33352 64772 42734 78523 51494
84330 44271 76615 35736

Attention (message repeated) Out

13470 kHz, 09-09, 1745 UTC

245/38 Attention

47287 48922 80767 86199 23781 73510 67162 11149 87094 80407
96479 48081 58838 35914 89224 51104 99460 39777 51483 97117
28686 29445 91022 92746 48873 57042 81642 90864 92839 43725
30119 90486 80252 80500 91949 74589 09898 42884

Attention (message repeated) Out

12202 kHz, 10-09, 0845 UTC

152/33 Attention

71879 91001 83345 93397 79681 21853 87562 83814 08373 56735
02691 44385 36951 05398 87945 65944 50627 61918 59751 36080
73675 54235 44205 85895 98579 46199 42151 28995 07330 39719
25851 24636 41219

Attention (message repeated) Out

5082 kHz, 10-09/15-09, 1605 UTC

230/32 Attention

20569 36041 13429 52365 63593 04273 66355 59684 71222 72108
57561 81353 16717 77503 92040 05884 54832 52483 07368 70782
86865 72888 80882 69475 26548 29629 89061 76176 93644 19786
34170 26152

Attention (message repeated) Out

6923 kHz, 11-09/15-09, 1625 UTC

975/35 Attention

42636 50513 40194 09706 52562 39194 99360 25862 26536 51322
74014 43672 99375 99877 08050 33803 64009 14191 46093 56981
40598 32756 70173 56178 37753 41363 07123 72079 10007 66814
79234 02814 28769 47810 83033

Attention (message repeated) Out

4181 kHz, 11-09/14-09, 1705 UTC

396/31 Attention

69608 61758 20047 50128 54666 37573 78355 63024 62245 47280
92636 27245 15591 87075 85082 37437 76864 77181 52549 00437
12620 72790 60314 46960 33542 13482 88452 84031 91007 20542
66958

Attention (message repeated) Out

17410 kHz, 13-09, 0745 UTC

340/33 Attention

00603 34414 63185 94447 59426 75735 97143 67524 18018 92233
02556 74016 79376 40853 62067 39119 88147 28995 79384 20277
96568 65689 41230 21383 69942 97811 83687 23851 49711 43558
05328 04176 95154

Attention (message repeated) Out

5371 kHz, 14-09/15-09, 0805 UTC

319/40 Attention

84846 94242 85315 57264 93596 59813 06441 18697 33189 60069
37765 26029 61106 94067 28843 00802 52459 31438 01646 44260
01058 20891 88281 43033 69140 98041 51017 67158 51727 19700
56719 97328 63223 37274 71116 65624 97724 62127 70175 08033

Attention (message repeated) Out

8530 kHz, 15-09, 1910 UTC

616/36 Attention

43844 46044 40038 04352 92770 91061 53862 34443 75202 78636
67364 99691 65292 08022 67403 51464 62080 50427 36708 91752
07385 36180 77516 54397 57006 20930 91367 65424 13024 72435
41350 31645 49481 19269 40404 09204

Attention (message repeated) Out

5371 kHz, 16-09, 0450 UTC

7864 kHz, 19-09, 1730 UTC

418/33 Attention

28016 76436 20208 23284 32449 67063 54546 68136 75201 11140
01161 38149 08851 11984 17383 94211 18283 55143 03490 67138
32270 64696 52807 15102 98773 02900 02357 64872 35507 19298
97055 43543 09492

Attention (message repeated) Out

13873 kHz, 16-09/19-09, 0600 UTC

189/36 Attention

16175 14799 01948 67971 95330 63197 29736 50680 39176 00776
32031 39279 04695 13617 58428 45209 93523 42064 61264 07934
76202 18181 79248 40506 53539 81078 76041 72559 83053 92789
45908 71344 13672 14096 36895 69833

Attention (message repeated) Out

12153 kHz, 16-09, 0640 UTC

948/25 Attention

65311 15287 41750 03641 85090 94241 31182 88765 36977 04304
03070 05314 84343 15518 87620 04812 46253 81276 22729 54655
73153 92401 42952 36579 93037

Attention (message repeated) Out

8180 kHz, 17-09/20-09, 0700 UTC

570/31 Attention

26002 01566 25659 59015 75856 54816 10281 83482 28316 73020
57220 99662 90541 00416 73119 35919 10595 61714 10337 10499
37819 52540 47079 43230 19077 06710 54232 41638 51269 34598
51888

Attention (message repeated) Out

9963 kHz, 17-09/20-09/24-09, 0715 UTC

633/31 Attention

60950 85549 91602 27415 49529 58552 96176 10060 66706 91608
57600 86427 11791 39292 41867 83173 06452 89055 77874 57349
53219 49367 55205 49071 94539 44176 49927 99905 33683 56354
32128

Attention (message repeated) Out

14972 kHz, 17-09/20-09, 1345 UTC

910/35 Attention

25276 66274 87401 97520 36266 67355 38517 76513 50616 22934
79356 47919 05740 72446 44725 18253 82355 97125 93232 03859
25795 59714 55064 28573 36496 24692 23153 86381 68387 02630
36879 83929 41742 14259 35750

Attention (message repeated) Out

10800 kHz, 17-09/19-09, 1645 UTC

333/39 Attention

07622 04234 09477 71787 79578 75648 07372 96288 71925 72092
01868 05294 57830 40312 91531 49832 78874 61134 11007 56507
79595 38939 88114 74991 34244 96159 20804 28521 98076 58786
35980 45151 57821 17706 98829 89702 58900 62101 59175

Attention (message reported) Out

6923 kHz, 18-09, 1205 UTC

465/32 Attention

59866 42626 14011 47033 50651 05185 96079 03518 59236 71023
21545 72849 45900 82653 67330 28173 19686 75512 60668 42352
15928 43192 28374 73891 21735 22998 37740 48145 01647 56336
11954 29833

Attention (message repeated) Out

10330 kHz, 19-09, 1530 UTC

260/33 Attention

07161 30383 85347 83352 22496 18335 40657 51440 60186 71490
76006 72678 76335 77886 99117 26103 04565 07321 29184 68273
59954 24806 75706 55039 70091 23445 40625 16249 34840 34926
52299 80982 42095

Attention (message repeated) Out

19184 kHz, 24-09/25-09, 0820 UTC

138/36 Attention

60163 57761 88166 05503 33328 30556 82272 01500 88636 62255
60665 27266 56466 94440 44313 17710 24394 84513 99422 81954
32122 49065 63015 28370 70486 40934 31198 35069 18462 59505
66645 60031 92524 71103 53355 90462

Attention (message repeated) Out

7317 kHz, 24-09/27-09, 1000 UTC

309/30 Attention

06169 24018 83550 13181 52592 21468 54503 47057 54186 07630
52469 22504 55274 37134 29496 48311 23328 32946 32974 08983
22302 10283 06433 85971 39051 13051 70508 24103 26720 55741

Attention (message repeated) Out

5941 kHz, 26-09/27-09, 0820 UTC

435/31 Attention

92329 39374 09994 47483 69296 21139 21450 59132 03492 89108
78532 96722 27365 92002 98137 53820 22040 36435 43749 43833
27061 31192 71325 57883 05003 15430 02628 75761 01637 67083
60313

Attention (message repeated) Out

5779 kHz, 27-09, 0635 UTC

355/36 Attention

12646 84785 09308 80537 89095 39009 71182 32140 05316 82189
09646 31429 29923 18283 98291 36953 03588 66110 27137 28940
88328 00464 34419 74044 22542 29719 58828 60840 12795 78176
91545 14089 05046 47482 47180 82420

Attention (message repeated) Out

11116 kHz, 27-09/29-09, 1650 UTC

922/38 Attention

75362 92866 93497 97083 44111 13507 52200 31463 51501 55809
11039 85758 74701 12895 28445 34799 32828 37074 23901 63204
24209 32034 05290 47633 68030 70699 56757 30790 25281 65790
47079 63569 11121 61802 41343 56914 34385 25677

Attention (message repeated) Out

8102 kHz, 28-09/29-09, 0705 UTC

498/40 Attention

98564 09924 90740 81346 40893 87141 25056 71771 81667 82794
57377 68961 02355 87085 58336 98251 48719 68692 80879 55178
00780 44864 98025 70314 83274 77933 16281 18253 79263 29515
49371 82522 63876 01845 04097 96832 04113 40413 16009 11908

Attention (message repeated) Out

E17z

14261/12391 kHz, 05-09, 0800/0810 UTC

217 894 5 38367 33406 42366 ?868 37250 894 5 00000

14261/12391 kHz, 19-09, 0800/0810 UTC

217 849 5 22262 54485 82606 07321 11437 849 5 00000

G06

5934 kHz, 12-09/26-09, 1830 UTC

579 996 996 15 15

15830 48648 48642 68751 59874 18789 87542 97893 48972 89724
48644 18948 17425 88423 18684

996 996 15 15 00000

Windows shut down sound

5442 kHz, 13-09, 1923 UTC

111 111 111 00000

5442 kHz, 13-09, 1930 UTC

947 978 44

11532 37595 68553 78912 87463 94712 18514 02953 38414 13202
42325 23285 15802 65245 87462 78912 87463 94562 14712 84853
53067 42412 15464 75612 14352 34585 68553 23462 73459 41847
21250 37473 27624 17923 54332 81620 81244 41265 96183 74874
66753 78203 80329 38780

978 44 00000

Windows shut down sound

5442 kHz, 27-09, 1930 UTC

947 273 273 62 62

64537 27364 28374 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 85937 34021 83929 90184 72641 84829 74826 48231 83732
72642 85914 38539 34752 75392 83482 75637 73892 95736 64612
84759 76491

273 62 00000

11116 kHz, 02-09, 0510 UTC

657/33 Vnimanaye

09120 44566 20227 54937 55910 81356 33398 29484 20087 61697
50580 55181 42071 26424 72824 40052 79965 04658 45612 17339
56777 84247 08762 20707 56903 72222 37455 75605 69732 48597
17296 34051 34920

Vnimanaye (message repeated) Konets

11493 kHz, 05-09, 1015 UTC

471/37 Vnimanaye

41929 06987 89861 48038 29631 73635 21983 42830 70668 97410
52677 90412 00679 61131 63932 41760 02851 55731 46423 02711
70482 09973 32167 51573 40624 96455 21171 42261 75004 04746
46531 49094 98562 34095 88966 78715 38945

Vnimanaye (message repeated) Konets

11493 kHz, 09-09, 1015 UTC

473/39 Vnimanaye

33536 82251 63493 00155 31338 16471 84221 07291 04532 71142
76505 20495 57628 89059 65530 91288 39225 62601 18819 87353
85132 84475 74204 20983 38401 68833 52345 26204 70790 30785
03298 70577 05616 45342 22573 43516 09319 14226 46429

Vnimanaye (message repeated) Konets

7469 kHz, 10-09/13-09, 1020 UTC

426/36 Vnimanaye

64951 56360 67736 99874 64319 87357 85960 37921 11415 79472
17568 23268 59970 15167 75162 36294 70895 70740 31627 48580
79777 78027 71026 15582 49161 64525 34087 80646 35811 83160
56412 49724 05458 07793 91013 27277

Vnimanaye (message repeated) Konets

10213 kHz, 11-09/14-09, 1850 UTC

287/34 Vnimanaye

90485 85229 18969 76816 43047 18252 84979 58314 09599 63064
34070 92020 66844 84492 77397 67757 00863 64666 55743 23302
44854 94958 54649 24331 62895 12715 71043 18319 44954 38551
59169 88234 87640 81064

Vnimanaye (message repeated) Konets

6433 kHz, 25-09/27-09, 1100 UTC

379/39 Vnimanaye

84533 15445 64172 50381 62259 53258 80121 39441 25923 67009
35549 71386 83244 05802 99005 56310 80072 76379 54590 66490
06472 93191 51646 86738 71158 77752 86675 83091 92041 38327
21711 19251 42468 37292 88586 54565 42260 18605 61392

Vnimanaye (message repeated) Konets

V07

13535/12135/11135 kHz, 08-09, 0100/0120/0140 UTC

511 511 511 1 163 100 163 100

70875 37263 00560 63180 48774 86719 74691 53309 45980 63470
32904 93529 02873 63697 19337 30767 36014 56388 76671 43668
38919 97626 78824 68949 91220 09926 37681 74276 77603 64331
56740 15614 68030 73746 52088 64170 94579 95807 85015 22170
02915 71293 31157 92620 12875 38727 17488 22989 19604 21681
17145 82806 75413 42019 53394 87881 06138 93272 71216 22546
35678 27118 98454 06657 42826 93024 64027 78692 60241 64506
07265 57041 60036 43780 12607 13589 08972 70891 46420 89763
34470 88896 82672 54741 89849 50847 81142 30136 20687 53068
18353 51993 66591 96150 54149 74915 10832 84318 56751 52244
000 000

12135/11135 kHz, 22-09, 0120/0140 UTC

511 511 511 1 472 76 472 76

48087 97844 51659 62372 08969 92814 85400 09616 63463 02393
13904 82326 55535 55138 98987 81489 30101 85186 43931 91703
32344 00573 35524 13257 33582 84684 61523 60698 31444 31788
61181 70620 14626 56253 05673 80162 96912 59917 33836 09106
32970 35168 11716 88349 66593 70282 49265 23663 12996 42618
66968 41259 79440 78643 49749 32805 49146 28888 57710 93513
82799 39556 15099 21806 77825 93228 81495 86392 64393 87698
05155 63801 67848 57351 71317 60035 000 000

VC05 - Chinese time stamp stations

5321 kHz, 03-09, 1127 UTC Chinese time stamp station

MORSE STATIONS

M01

6510 kHz, 01-09, 0659 UTC

463 350 350 30 30 =

40849 04734 43657 16179 65349 40800 22699 03981 13065 51469
39029 35974 58297 34821 56687 03504 79642 05705 42924 63317
23760 55204 55606 54586 16580 00148 32962 94773 44721 95821
= 350 350 30 30 000

5020 kHz, 05-09, 2000 UTC

463 217 217 30 = =

68328 50740 24908 39155 41018 33517 42506 56887 82342 26060
28988 21744 12123 10982 02480 21588 76061 10515 8??64 33880
56680 58809 18689 94673 02531 32380 77267 20998 41665 64390
= = 217 30 30 000

6260 kHz, 07-09, 1500 UTC. Contains errors

463 679 679 30 30 = =

91665 89990 82694 25253 78748 44805 36296 56659 37965 64646
00429 71197 EEEEEEEE 71196 52979 79871 72254 97708 71626 67622
EEEEEEEE 72626 60470 67622 93396 94352 87944 88120 31617 28591
80896 39262 05761 44992 63365
= = 679 7EEEEEEEE 679 30 30 000

6510 kHz, 08-09, 0700 UTC

463 430 430 30 30 = =
76532 29634 80929 77997 69448 20574 48451 85664 08754 78938
18955 82942 41423 07817 27436 59501 96649 32155 10650 68472
18314 30203 64041 51282 46252 97173 68189 39903 83938 64510
= = 430 430 30 30 000

5475 kHz, 10-09, 1800 UTC

463 121 121 30 30 = =
74276 00241 06025 47683 69153 49334 76224 44988 86864 24319
36060 13147 23200 66811 22367 55727 21308 72269 10675 29785
40937 07119 25459 39765 65110 83845 08735 53504 50298 91148
= = 121 121 30 000

5476 kHz, 12-09, 1800 UTC. Transcript as sent

463 07182 07182 00000 910 910 30 30 = =
07182 07182 85755 85755 41581 41581 11369 11369 61354 64540000
61354 21649 21649 93282 83282 46884 46884 80759 80759 05464
05464 70764 70764 46753 84002 84002 24427 24427 04822 04822
45900 45900 46605 46605 15760 15760 217000000 21711 21711 64224
64224 73291 73291 58967 58967 87416 87416 30828 30828 44384
44384 55863 55863 71879 71879 33150 33150 95358 95358 42499
= = 91091 000000 910 910 30 30 000

5021 kHz, 12-09, 2000 UTC

463 482 482 30 30 = =
42682 87586 73821 19764 53895 18380 28426 29425 13508 26168
82561 02992 85538 60829 23836 15103 79382 58333 15133 95047
40604 88545 11480 66660 53341 77016 23849 84959 86415 76141
= = 482 482 30 30 000

6260 kHz, 14-09, 1500 UTC. Transcript as sent. Contains errors.

463 321 321 39 39 pause BBB pause B 3213 2130 30 = =
02200 02200 68707 68707 50660 50660 49722 49722 02460 02460
09072 09072 37657 47657 97847 97847 92294 92294 16260 16260
87252 87252 09437 09437 95339 95339 284418 28418 28887 28887
80941 80941 72968 72968 2797444 27974 4692444 46924 41710 41710
09082 09082 66426 66426 43734 43734 55668 55668 17778 17778
75884 75884 48204 48204 262261 26261 83670 83670 74008 74008
= = 321 321 30 30 000

6510 kHz, 15-09, 0700 UTC

Started at high speed but slowed down to its usual Sunday morning speed. Transcript as sent.

463 317 317 30 = =
69161 69161 16068 16068 50434 50434 17780 17780 36726 366
4688 46888 02245 02245 10834 13 00137 0013 12294 122462452
624 31895 1985 58996 58996 27833283 78302 78302 51582 51582
95055 05 180 787 26663 26663 17283 17283 56464 56464 374 327
09491 09491 55056 55056 62420 62420 32745 32745 89654 89654
65432 65432 90453 90453 78543 78543
= = 317 317 30 30 000

5475 kHz, 17-09, 1800 UTC

463 157 157 = 30 30
45899 33949 14749 85294 27395 58539 79931 95311 08205 94222
42880 65519 55863 89799 72606 87024 58803 47037 82556 90078
62252 57398 67721 37074 61091 19663 16785 97915 55551 79938
= 157 157 30 30 000

5020 kHz, 17-09, 2000 UTC

463 211 211 630 30 = =
01997 17416 10840 75395 72208 29084 22788 55524 03780 85292
32237 87415 65700 43481 10732 37133 78362 69591 23592 47251
66481 24558 61431 97146 64207 32114 45818 61363 93609 58976
211 211 = 30 30 000

5475 kHz, 19-09, 1800 UTC

463 321 321 30 30 = =
66140 43083 20196 83387 91704 35281 63790 70501 95219 34917
69904 63159 12913 17555 76829 51274 07198 29954 89654 68520
40662 87026 59218 04262 41042 61349 99561 22880 88145 24606
= = 321 321 30 30 000

5020 kHz, 19-09, 2000 UTC

463 346 346 30 30 = =
21263 68433 25624 53623 17647 77789 64944 47450 03019 30762
26147 75058 49946 53005 55878 82807 23403 90071 32831 96459
77276 34298 91545 79981 74786 01465 24221 09534 55569 04691
= = 346 346 30 30 000

6260 kHz, 21-09, 1500 UTC

463 219 219 = 30 30 = =
88128 19244 89758 36441 86534 72262 57163 25147 34859 28420
78191 68502 34862 48391 01009 33646 60785 31092 50155 29687
53010 05403 79083 54666 77442 53974 75644 83541 93256 99041
= = 219 219 = 30 30 000

6510 kHz, 22-09, 0700 UTC

463 327 327 = 30 30 = =
29382 78602 78018 81890 10947 63571 65513 93338 93075 13399
31982 64276 32930 55757 96653 70594 67005 48903 19454 63173
17914 12541 71810 24964 59838 98853 58927 96393 03619 44277
= 327 327 = 30 30 000

5475 kHz, 24-09, 1800 UTC

463 542 542 30 30 = =
70361 13210 10043 85277 87822 27028 75996 59438 06396 74438
52387 70205 25826 31704 06444 86576 94937 02705 95937 65978
74667 96178 84008 71235 20718 45788 59742 51610 57687 08893
= = 542 542 30 30 000

5020 kHz, 24-09, 2000 UTC

463 917 917 30 30 = =
49724 83744 29589 65007 90803 50876 29087 35973 91376 68905
19659 00351 38112 78201 10883 79224 93180 12372 48428 90453
37781 38560 39458 68300 28509 75292 36563 41243 60842 03280
= = 917 917 30 30 000

5475 kHz, 26-09, 1800 UTC. Different repeats between brackets

463 137 137 30 30 = =
46400 43658 99039 99036 65823 82650 09267 05974 46745 51513
89880 91079 98725 73647 42935 25032 (35031) 25121 42452 63785
(63786) 29376 75879 38643 78247 48036 71952 04632 18551 99250
47107 59119 (519)
= = 137 137 30 30 000

5020 kHz, 26-09, 2000 UTC. Transcript as sent

463 934 934 30 30 = =
80177 80177 11872 11872 62208 62208 32218 32218 06248 06248
36125 36125 17251 17251 98943 98943 96971 96971 25293 25293
30547 30547 05963 05963 93153 9315 426 12 8114 814 65426 646
5200 5002 28 3285 0558 05588 74272 74272 01520 01520 96756
96756 67622 67622 24943 24943 70434 70434 01564 01564 14254
14254 75195 75195 03387 03387 07131 07131
= = 934 934 30 30 000

6510 kHz, 29-09, 0700 UTC. Transcript as sent

463 996 996 = 30 30
11431 1141 43600 43600 65977 65977 73860 73860 79460 79460
64958 64958 31070 31070 95057 95057 98737 98737 88876 88876
52325 52325 83309 83309 56841 56841 96767 96767 20655 20655
21620 21655 21628 21628 69299 69299 67697 67679 68674 68674
19501 19501 31919 31919 63367 63367 58391 58391 32061 32061
510 61 33823 33823 52011 52011 88753 88753 52312 52312
= = 996 996 = 30 30 000

M01a

5344 kHz, 24-09, 1730 UTC, i.p.

73 91002 30203 75088 35162 22986 49154 44652 44980 08716
30612 40930 23411 78233 65782 51724 83643 96627 54012 12629
55674 00288 98417 52130 08157 62046 99573 47453 31757 31303
43328 = 406 31
111 78233
111 40731
111 000

5344 kHz, 25-09, 1710 UTC

934 934 934 94607 94607
93
111
333 93827 93827
333 93827 93827
111
1
111 95477 95477
111
1
111 999
69831 ?
39590 15250 15250 84462 15763 49806 46070 78265 25902 30782
30471 89212 34972 91388 54735 02907 20039 20180 34966 88321
10592 65874 79848 64766 84091 93788 24686 50089 50169 18686
01935 63493
? 69831
111 460 050
111 304 061
111 000

Note: 69831 ? and ? 69831 is probably an error and should be 698 31 = and = 698 31
Group 2 was sent 2x so the actual number of groups is 31.

M01b

3535//4590 kHz, 02-09/09-09/16-09/23-09/30-09, 1810 UTC

420 121 121 30 30 = =

46594 76615 16963 82877 22278 50126 07627 24885 64341 07620

36658 01507 76115 30885 14693 17567 76877 50257 23619 07915

80398 80231 07990 61611 95485 50532 70533 33866 21722 27593

= = 121 121 30 30 000

3645//4455 kHz, 02-09/09-09/16-09/23-09/30-09, 1915 UTC

771 121 121 30 30 = =

46594 76615 16963 82877 22278 50126 07627 24885 64341 07620

36658 01507 76115 30885 14693 17567 76877 50257 23619 07915

80398 80231 07990 61611 95485 50532 70533 33866 21722 27593

= = 121 121 30 30 000

3510//4605 kHz, 05-09/12-09/19-09/26-09, 1830 UTC

201 121 121 30 30 = =

46594 76615 16963 82877 22278 50126 07627 24885 64341 07620

36658 01507 76115 30885 14693 17567 76877 50257 23619 07915

80398 80231 07990 61611 95485 50532 70533 33866 21722 27593

= = 121 121 30 30 000

3715//4570 kHz, 05-09/12-09/19-09/26-09, 1940 UTC

477 121 121 30 30 = =

46594 76615 16963 82877 22278 50126 07627 24885 64341 07620

36658 01507 76115 30885 14693 17567 76877 50257 23619 07915

80398 80231 07990 61611 95485 50532 70533 33866 21722 27593

= = 121 121 30 30 000

3625//4940 kHz, 06-09/13-09/20-09, 1901 UTC

158 121 121 30 30 = =

46594 76615 16963 82877 22278 50126 07627 24885 64341 07620

36658 01507 76115 30885 14693 17567 76877 50257 23619 07915

80398 80231 07990 61611 95485 50532 70533 33866 21722 27593

= = 121 121 30 30 000

3625//4940 kHz, 27-09, 1902 UTC UTC. Note: id 158 expected but sent 153

153 121 121 30 30 = =

46594 76615 16963 82877 22278 50126 07627 24885 64341 07620

36658 01507 76115 30885 14693 17567 76877 50257 23619 07915

80398 80231 07990 61611 95485 50532 70533 33866 21722 27593

= = 121 121 30 30 000

3520//4585 kHz, 06-09/13-09/20-09/27-09, 2010 UTC

582 121 121 30 30 = =

46594 76615 16963 82877 22278 50126 07627 24885 64341 07620

36658 01507 76115 30885 14693 17567 76877 50257 23619 07915

80398 80231 07990 61611 95485 50532 70533 33866 21722 27593

= = 121 121 30 30 000

16348/14848/13448 kHz, 02-09/04-09, 1400/1420/1440 UTC

384 384 384 1 225 54 225 54
32160 38231 72044 37634 63702 03929 05068 59992 05388 60069
11576 85491 01831 09720 48404 96658 23645 02595 04487 93124
59304 97961 44724 21245 94832 09289 89137 90362 78851 58913
09126 61958 44997 79992 28740 58188 60324 71583 68703 60259
07134 57774 80161 92490 42203 05250 46947 51949 05724 22523
69121 62357 14474 00963 000 000

9317/10484/11552 kHz, 03-09, 0530/0550/0610 UTC

135 135 135 1 1913 111 1913 111
38929 72129 28042 47891 15211 41391 95003 72309 24596 23084
26972 88142 65835 97675 86404 34579 23359 23353 46917 30470
15978 46215 56542 42555 17065 51357 06223 40168 80458 56599
33720 03813 26704 54055 07403 34524 46645 53509 95760 94722
93531 51571 96432 50112 94710 57413 35028 57906 72827 27875
71061 41308 66482 51524 92840 55252 85462 97398 95653 42513
33782 95411 03964 55109 41467 91829 53325 44548 04180 01543
97786 10476 68016 29101 55287 61670 85245 03926 48025 53809
73192 81959 97352 29144 47311 58646 86897 73730 59741 94190
88392 24408 55871 84703 52972 12948 83998 04524 36406 00866
63526 80547 84258 74228 99573 77892 10892 09237 18697 11355
54791 000 000

12162/11566/10711 kHz, 04-09, 1710/1730/1750 UTC

546 546 546 1 5071 104 5071 104
70324 11776 53376 39347 13096 66420 03402 64423 04447 44885
98059 16855 84471 19243 93473 28620 95346 54402 62288 39845
07074 47590 59496 01220 67037 58508 38764 40509 69886 42082
01356 71833 73901 16391 57369 43661 28643 38571 67419 39948
28077 76825 94471 16178 44588 30619 27900 39182 71749 78500
71278 46862 26460 41776 73341 97514 01894 63319 29286 27560
41064 26736 94861 97601 17152 45972 68031 75760 58147 22747
70536 90639 44686 69068 66037 05214 45347 12862 83725 12484
67709 99292 36504 35971 70839 55563 69808 54521 69110 78552
31334 59668 46965 03048 61264 33740 30516 42388 32730 60504
51914 96217 77824 66975 000 000

10836/10136/9136 kHz, 05-09, 0700/0720/0740 UTC

811 811 811 1 6375 108 6375 108
64177 46127 73078 18057 46207 86656 80234 62776 47936 96853
23577 64174 78610 36055 66098 51073 67483 67407 55066 41377
08396 43340 99889 01215 59083 55376 98250 34835 33250 32672
59824 04941 46745 84455 38384 31987 62677 61758 20500 99729
64693 86118 21247 92185 76881 65609 11078 28964 58508 61031
27929 35292 70575 31777 82781 03520 55359 36899 82555 79497
74728 41436 33128 68149 93379 49237 55790 50855 38863 73949
51717 76001 49330 24919 17464 87356 24226 16920 60756 99125
82330 22297 05586 86995 21966 83636 64447 66446 20188 23455
79928 33839 00204 72929 50530 89208 27505 26540 47886 85833
31524 73750 32557 82721 33416 90468 93860 81186 000 000

12162/11566/10711 kHz, 05-09, 1700/1720/1740 UTC

546 546 546 1 6885 110 6885 110
74078 76079 78714 84476 17844 61245 08330 43496 47853 23472
62659 69820 11347 61078 01392 68385 13177 62132 60762 41664
57460 58429 01322 29432 25544 42318 39558 73779 53710 53167
46083 91300 63924 89641 95817 68924 37601 75628 96433 00542
53361 45950 11236 38635 51007 70252 39843 11452 89012 71320
77892 80846 93651 90273 17669 30203 19889 37287 90360 48822
66781 77338 78388 61626 10694 66619 63392 29415 96913 66649
04100 67998 34609 62817 59628 07300 29310 88609 38934 99568
64893 86948 65471 87809 30089 36718 10845 77449 08540 72562
87308 12315 48927 27646 01956 54488 59897 28288 62176 06289
56102 63526 06792 61256 23784 06793 77476 99131 60812 29666
000 000

12162/11566/10711 kHz, 05-09, 1800/1820/1840 UTC

546 546 546 1 3049 107 3049 107
56628 13780 68882 43302 52741 56433 09870 58548 96404 06990
52909 02086 62877 14902 28699 93681 64794 56391 76116 20195
17851 08254 52032 23446 94187 99058 56959 97564 27395 80028
40409 24355 39880 09037 59936 35962 74892 54451 50746 40976
64305 08966 80317 29916 23851 94974 41755 56938 43870 79831
70008 56276 15446 89675 32552 73918 94710 15800 23606 72586
11602 92434 71321 77648 20334 09873 93590 61760 74078 51583
00925 16564 72534 78385 54003 50775 98201 10403 26031 50523
75116 91110 60330 70647 07255 20304 74919 01248 92819 30339
37921 70702 68396 07716 16900 88031 40367 04206 60626 40401
42444 23450 44890 33083 87620 58078 09140 000 000

14377/13461/12114 kHz, 05-09, 2000/2020/2040 UTC

317 317 317 1 9583 106 9583 106
58861 89322 95033 55141 18582 23374 13223 48064 24933 58944
30675 35414 27703 07725 47606 67252 31852 26185 35310 75589
39088 66196 79722 68807 97879 03930 48410 72265 83380 49531
97842 27331 38367 59671 20729 17735 50912 40848 26743 34866
85783 55830 63741 15519 73003 47171 48118 68432 38011 39559
77178 45245 49955 36678 42037 51769 01499 06373 92777 79227
06331 12484 32950 11976 80371 64635 00569 81187 73316 14484
06060 48833 34207 68715 01380 01546 63246 63584 35779 90279
84551 75163 90180 42006 17967 53630 32706 83590 45083 48466
34153 93291 45622 25279 84349 38309 58268 95349 39744 45523
95717 83721 67807 95887 64157 17317 000 000

8047/6802/5788 kHz, 07-09, 2000/2020/2040 UTC

463 463 463 1 4792 91 4792 91
10625 78456 21008 29850 45538 26989 26688 12633 73881 44613
84623 98247 67503 35369 50630 56425 61512 31878 73614 02870
25493 47946 86941 56671 01129 18577 32564 43330 18721 79634
76213 07635 85938 89339 20930 16098 55835 57069 26311 50398
06837 73717 16596 77311 60709 08041 96212 23569 93902 95324
60185 59835 19493 15848 27987 49397 59308 96988 97852 44483
44457 99064 80970 74035 22866 83265 93725 77693 53098 54440
06973 25075 71496 12442 61660 02031 31826 64863 71216 45656
91133 29600 91707 51293 47873 13840 32527 55091 46316 31506
67217 000 000

11435/10598/9327 kHz, 09-09, 1710/1730/1750 UTC

938 938 938 1 2850 110 2850 110
68435 12093 07783 18659 95932 05560 49955 38691 04771 16253
49174 78306 18502 13396 43519 29620 90734 49508 47378 10948
82724 65875 78760 59734 43554 14746 79032 85823 25698 84559
47741 29347 81755 70755 72076 32476 17984 44747 81634 56376
20803 64080 82213 83029 77408 15756 19248 71195 85956 99183
53369 01304 27038 49067 81369 14278 98441 47657 30424 85716
78231 15248 07567 58423 40926 84845 11256 98943 07795 66221
14682 67929 95713 96829 00953 16038 20908 66190 09229 47211
49297 27819 58520 76709 48279 05925 91976 59627 85350 63434
60040 18394 23594 18881 52867 60201 83627 19213 50998 80747
87156 01225 37706 68640 13046 00791 15545 07359 50740 88613
000 000

8047/6802/5788 kHz, 09-09, 1800/1820/1840 UTC

463 463 463 1 7121 99 7121 99
90922 53927 23937 07603 55650 60749 43334 37483 16678 32709
56058 18538 04330 50131 96643 07340 11155 73961 12334 52601
19784 30990 96486 53663 82755 12663 88607 55110 68985 83458
88260 99528 69601 29770 27142 88938 92698 65479 64064 44745
44025 12590 72745 52701 35263 46690 38648 71593 27977 93675
89276 98984 77705 07323 27740 29893 50208 78269 73181 37018
58528 72346 51984 01523 98660 36050 10548 26054 00828 46994
05448 23265 94295 25483 90123 52363 26582 17985 21667 26690
48872 16849 47399 09935 64750 98238 55843 91480 16605 38822
68354 62450 37697 64414 49953 75627 95620 09103 99819 000 000

9317/10484/11552 kHz, 10-09, 0530/0550/0610 UTC

135 135 135 1 8549 112 8449 112
86766 05082 87815 36412 32274 32732 46579 69680 19065 12003
77990 92949 06363 15377 87912 12073 18721 23337 51112 20792
70161 48382 06793 11594 22555 32933 68141 79337 33495 24564
59693 21176 05183 71353 60519 44024 00588 23001 40937 01524
82856 25222 17295 97885 60601 63770 76785 62888 12779 81897
25145 45475 05093 29906 92205 89825 13649 61928 30108 37376
63667 74335 91598 53320 77216 04860 40517 39292 91686 20173
57051 86182 61291 20577 74885 62407 70403 90708 03817 82114
42694 70805 97425 32836 98027 50113 81483 76550 34808 28763
94192 76850 12931 32334 06370 98682 84421 81360 61284 07900
05485 29479 43201 85263 48835 55831 05313 90402 46280 31322
43797 00358 000 000

11435/10598/9327 kHz, 10-09, 1800/1820/1840 UTC

938 938 938 1 5340 108 5340 108
80472 56603 17943 14509 32541 08975 97738 31775 96592 72308
66912 33831 25410 12525 90907 45836 01546 41295 56334 13235
62325 56705 97186 12161 85078 65825 07168 58826 22322 30740
81740 73051 03572 11443 21391 53430 51714 23934 48575 44614
54565 04283 98381 08492 38408 06612 38319 23283 51715 02825
21655 87900 17109 53214 24724 63743 55735 82610 76133 21145
25110 48830 46806 53450 54947 72779 65653 06033 88982 19830
13802 38542 30431 95623 78839 90615 21750 09107 60460 84968
42241 06406 65218 78400 60680 45958 43699 87020 88615 37815
15259 59675 48106 20341 67028 99927 93448 58025 54367 43004
93903 76343 11196 52572 08573 55791 62951 93335 000 000

12141/11541/10741 kHz, 11-09/13-09/18-09/20-09, 1210/1230/1250 UTC

157 157 157 1 6908 23 6908 23

84238 21405 70244 41068 53624 13082 19597 67358 73758 04615

10100 49709 84626 26827 74743 16677 78737 97038 67904 16036

17768 93185 56560 000 000

12162/11566/10711 kHz, 11-09, 1710/1730/1750 UTC

546 546 546 1 2043 111 2043 111

50634 23362 89918 73227 84452 78363 86158 85156 46232 49069

66648 01011 73409 36450 31153 42154 05808 42865 54237 74629

46693 28397 81227 54816 45287 73534 20338 11505 56983 40759

60950 31826 53418 37856 90439 19634 05299 72901 02855 43910

73656 37182 20361 05265 61887 81607 50310 82068 08451 79868

46293 24378 42743 63845 39314 74785 56132 37751 71610 79269

50225 49636 30495 67346 84968 76481 09495 30385 36841 58756

85999 05902 20032 63059 40546 37708 78025 82373 77723 77672

99329 68046 31880 32137 41680 78439 59160 43500 51011 43256

00277 50108 49209 22630 86130 00889 50836 23476 03766 95616

53489 04103 73444 24645 04920 67920 92022 34297 01487 49299

20246 000 000

12162/11566/10711 kHz, 12-09, 1700/1720/1740 UTC

546 546 546 1 5491 109 5491 109

72511 72647 12222 12519 87714 29777 60361 48200 79349 96199

53950 11344 53172 17608 87613 91399 71296 65835 20174 79210

39022 61192 82380 06322 84793 57855 52484 61019 23803 73311

04609 51938 88463 41841 37417 31033 47890 19222 77927 36925

92908 28095 50655 08463 16234 51530 99379 97428 01664 57607

56772 62491 70739 48108 27349 06306 06253 61648 37031 71428

76723 16970 91496 55099 70496 34165 62734 17576 26709 01747

55901 52270 45321 56729 64345 16956 77546 00187 12677 85913

88917 86256 40429 32823 56771 44654 24604 29960 75381 79735

30665 73527 86597 76298 23978 49666 24908 98672 35934 79233

28386 52635 63939 72255 81114 76549 44945 78340 84328 000 000

12162/11566/10711 kHz, 12-09, 1800/1820/1840 UTC

546 546 546 1 2653 107 2653 107

33702 40943 63073 05010 02403 98831 54286 21625 40158 83433

62601 07329 25878 46050 01035 94636 42425 70923 86567 78402

10089 02478 59982 52551 91683 10491 34970 44238 62138 69213

39736 87878 24293 57112 08521 92159 47226 92315 90411 70656

50741 72578 03538 23258 23467 08568 47316 04582 19209 41199

87816 54109 56208 13001 79360 31965 81549 44944 01733 37204

43914 51569 88303 02085 52640 98044 62536 20818 09071 32011

84874 88692 27300 42411 71802 87693 13491 69096 28899 36888

12074 40275 27091 70427 68858 95524 76510 73735 08848 15521

01875 24778 11276 57595 22991 15253 66863 16876 65122 22947

73693 14912 82041 77871 99398 60488 12479 000 000

14377/13461/12114 kHz, 12-09, 2000/2020/2040 UTC

317 317 317 1 9223 106 9223 106

67332 03376 48326 96357 46665 02103 97462 27580 51861 79730

48700 99828 95960 15603 17457 60108 75748 87265 24344 48672

36834 68954 51247 80341 72658 57245 45545 67345 35669 87743

08737 72433 21032 16066 25193 88165 52817 97888 78074 23635

69369 39183 81062 15134 09853 77378 79429 46399 73341 60234

26610 50480 87836 86662 47223 33755 38659 09849 42137 56455

72334 33936 58224 62586 53839 53387 16658 26857 74627 67221

07861 88000 21478 74487 47531 34811 14582 51911 19515 46469

55383 56357 07943 56921 94815 34115 30332 52609 43489 04538

55910 98300 58435 70604 91434 64147 58992 17362 70736 03389

54244 58902 93682 02800 51328 62364 000 000

8047/6802/5788 kHz, 14-09, 2000/2020/2040 UTC

463 463 463 1 4865 96 4865 96
07404 48033 85521 19627 07798 56442 10519 77580 02795 12377
93440 27059 47804 83905 75951 58468 20269 83420 41861 92358
13798 67537 14372 66892 76973 25620 63908 58436 82962 58649
11047 38730 09678 43272 88626 34401 40451 05439 66024 29876
00527 80174 12873 24835 39475 23871 24642 88810 70287 71967
08549 80592 68595 94031 88374 53611 15902 15578 68907 60083
72802 95698 25707 88985 45563 94072 20353 57324 86064 13513
93539 23585 80103 28591 26161 92635 28235 94192 01635 96589
85903 30217 91434 25711 19922 32846 23529 33164 50348 28792
60906 19357 12389 53166 75562 60990 000 000

11435/10598/9327 kHz, 16-09, 1710/1730/1750 UTC

938 938 98 1 3055 112 3055 112
49791 38649 44544 99641 79659 32690 73681 81182 99535 90372
74878 31956 35638 28361 64174 38339 60644 72037 91838 13067
32011 82016 83660 75374 40689 72065 83790 53007 14506 43032
82253 08519 82331 41922 54297 13161 55396 09743 79080 16990
38317 38324 53325 71199 17799 52795 57001 85708 38943 68159
68754 46730 50568 78211 14786 62177 90060 96900 85314 18408
59941 24481 80167 35192 24068 04067 31397 38465 23123 25559
94654 21709 73783 88752 28016 53275 43603 38602 25586 54289
60147 46542 16921 35203 78970 71752 25534 30897 04103 75086
72649 67367 46683 16638 34606 75140 73122 02848 90034 87916
98095 18164 90160 47722 91660 70680 97452 22257 89060 17428
30747 98076 000 000

8047/6802/5788 kHz, 16-09, 1800/1820/1840 UTC

463 463 463 1 7687 100 7687 100
02538 90025 85396 49939 00269 39031 80784 32885 18845 10861
99050 97604 69400 69545 20643 22359 01194 20469 49999 86901
99448 83226 34201 69140 30389 79756 56155 48910 68733 87486
10900 39524 79142 30784 44503 14829 49666 57991 94656 60509
98389 37138 56381 18593 94216 03972 56383 27264 91742 19860
33477 87946 49590 95392 16100 00856 95770 53779 16185 29576
25721 81261 24048 05179 29522 63822 50470 66778 42501 63266
55350 11674 53245 83547 34506 99930 59729 40118 54131 63398
22609 47390 48860 23273 03887 95106 87947 37369 82315 67766
25406 16576 06401 09563 01568 42071 35013 20343 99377 88924
000 000

11435/10598/9327 kHz, 17-09, 1800/1820/1840 UTC

938 938 938 1 2993 107 2993 107
93348 58996 21520 21234 63908 78918 74221 35246 57936 94316
66228 18668 14064 11554 14828 58870 95971 64461 06104 72252
73604 56444 34170 91139 44728 00789 31879 12297 17775 62985
92551 36323 90567 97832 29536 97126 86170 08791 00917 51810
15957 17946 81440 56164 73102 34502 32756 59228 93132 59959
85776 15162 62393 10532 35262 33522 68465 32209 25743 95077
26669 71913 97659 57109 40695 74069 70021 52129 63677 58544
68155 77151 47649 87051 54173 26267 51512 65725 48372 78474
03991 21232 98477 52391 77065 49949 12034 13580 31577 05830
07783 85921 68703 86596 60096 43721 57593 71026 88029 45016
37041 93841 44363 83597 34523 92338 79139 000 000

12162/11566/10711 kHz, 18-09, 1710/1730/1750 UTC

546 546 546 1 7793 107 7793 107
74216 71864 49469 78089 34181 48360 30215 35993 04489 46402
11497 20377 60173 39853 42623 56211 14433 94183 43709 96692
22943 34464 32958 42765 55782 86161 97002 62498 09672 80692
01152 52595 95962 67735 37193 16962 13326 59870 21555 39208
86648 84128 81507 88875 33626 08116 75124 57433 43003 24177
88036 47002 93784 68779 32167 73263 55574 33691 10878 83727
85946 26381 65618 40404 66723 13587 04729 30028 20776 79738
41085 63897 58491 09495 92633 93728 87146 56734 53717 75953
54862 68896 94214 97338 79038 75105 03458 73586 80878 61535
95508 63068 30597 65077 34982 58288 65904 49146 42112 03877
81296 77198 69129 75160 94091 55412 18830 000 000

12218/11118/10218 kHz, 18-09, 2210/2230/2250 UTC

212 212 212 1 432 40 432 40
30875 94093 28351 57668 54378 30633 05787 02669 60310 79442
40686 20757 92598 90252 72716 38342 94104 71293 28171 60746
xx196 33686 00509 49592 39375 86696 20601 43921 99797 09412
47354 74339 99044 51945 27705 58236 22740 57815 10458 43356
000 000

12162/11566/10711 kHz, 10-09, 1700/1720/1740 UTC

546 546 546 1 2362 105 2362 105
61797 37922 63687 99063 82075 39274 10358 32631 59101 61601
08122 68602 02421 00914 51811 02319 78448 33607 34425 86806
08110 35553 19896 68073 79917 46554 50192 03729 56576 64471
89241 59611 25092 25105 56868 67954 75199 07882 29274 18163
59687 54204 36290 40392 99367 11972 91936 63397 92950 48619
71259 46364 51934 10546 59965 04433 96381 96851 20529 97293
12119 37510 21711 83074 98892 87904 99423 40301 75013 22036
06779 48203 70220 48507 22112 20970 98540 05110 00125 00218
02996 27805 36314 29379 04902 15231 90184 07576 66900 41154
86060 45768 93166 53922 60230 37656 81388 04856 32943 10903
65452 32330 29501 65652 89042 000 000

12162/11566/10711 kHz, 10-09, 1800/1820/1840 UTC

546 546 546 1 2968 107 2968 107
64064 79816 13556 70892 11511 77063 98217 21295 92357 60850
18880 13002 62790 39552 95374 40973 34504 98891 12726 77694
94296 73825 01561 81304 33314 56109 62536 38729 45120 55287
89113 05710 12673 69064 34853 86289 40586 80381 93002 86123
76137 96298 42156 02394 15304 83752 15431 72568 46596 57553
09124 38229 18135 67273 56639 41477 42720 45695 33698 57970
67444 51970 46206 02474 60695 98438 95203 35076 05392 83371
02443 39864 32695 02520 24367 46339 91477 14602 72986 21930
68396 03803 25917 41982 60778 99857 81220 84017 24198 21879
20383 94891 67594 59872 72907 53452 24431 37336 70874 44723
650?? 88070 90656 08109 07677 90233 49610 000 000

14377/13461/12114 kHz, 19-09, 2000/2020/2040 UTC

317 317 317 1 6583 107 6583 107
65720 68039 81997 90332 76024 22750 07905 86387 99463 82025
15765 27538 67484 03839 56043 87355 59047 57086 91543 49736
17437 23864 84995 29785 87479 55536 05220 05672 70041 59057
85012 21323 52172 67648 60790 90009 62129 63981 41826 01967
81656 66129 09811 77732 93166 37459 04661 74287 07234 98327
35563 67055 22932 32786 94825 00452 36067 33064 29542 08087
03445 45543 61252 03209 81190 22922 59849 52569 21134 69368
08624 83228 87347 62418 65482 72823 96708 73941 14683 16206
89906 23348 22045 62688 30291 34185 86231 80735 47696 72361
34032 54696 21871 33055 63032 22906 20401 77731 21816 38449
67376 53482 51508 52771 33354 45883 03328 000 000

8047/6802/5788 kHz, 21-09, 2000/2020/2040 UTC

8047/6802/5788 kHz, 23-09, 1800/1820/1840 UTC

463 463 463 1 900 248 900 248

10469 00158 81196 27040 03614 89499 42120 95908 89791 20770
67457 85133 14042 70323 24387 08637 59390 96128 16176 38034
92582 45552 84904 23699 77808 68334 18790 43652 49566 79022
06848 16729 24303 91045 88132 56946 93134 72824 64837 13850
95796 22919 75335 15535 83831 21783 74307 61427 08801 41911
89368 19548 08211 81916 49642 83901 55361 27619 00867 76898
19011 78751 03746 66686 54233 59637 56943 14795 93543 85713
52458 45048 59651 85631 44746 97806 18294 81597 19479 87331
93014 63674 02739 16550 42112 99305 78784 69833 95215 72702
55952 76804 84707 60752 46495 44140 05729 24165 20434 44522
08721 26307 80660 76772 68734 03281 49002 18647 55133 41448
86786 72373 91570 57743 54831 94104 56233 47356 92078 80046
58509 87348 08756 89119 53088 08710 84468 45008 70705 51266
68710 99000 50210 23895 46231 43683 99125 20551 03115 64819
66331 82774 67137 60805 07468 91947 42226 96475 02264 32915
78067 17144 98945 63446 96306 95001 60472 71819 92389 09253
80683 90582 26344 16968 20800 49910 58586 24711 46982 76797
01577 84554 25345 31797 15504 16548 16188 94669 61865 90599
13150 84245 52096 58959 58221 67875 19766 65101 18297 66699
54974 61551 53457 10219 97507 22609 44834 67242 04822 62370
41417 58853 67054 88128 80552 97668 41821 93487 09914 37720
26982 67235 49354 81401 29989 64528 27397 90617 81017 23222
66043 33457 17298 42774 73196 40717 95878 43294 50952 25757
64071 29347 03600 96075 15008 65196 68060 88944 36663 93422
98985 44534 98113 84116 21187 91818 92320 84711 000 000

11435/10598/9327 kHz, 23-09, 1710/1730/1750 UTC

938 938 938 1 5796 112 5796 112

70298 15928 80974 75199 55533 49373 95731 01915 68716 40026
74976 99386 69768 26172 84359 22217 84150 96100 30523 92052
84300 36060 34927 55517 01228 08051 31954 09515 77835 14740
00065 13870 20422 27707 21670 43909 54995 42781 94521 32695
92472 02952 23225 31792 24939 80383 32756 97987 69456 52301
78075 66859 39762 45415 43719 81473 05968 03760 99119 06733
21157 29412 72244 15758 69665 18964 67914 44479 67536 32435
82882 88901 63528 07039 13817 88861 34002 82238 45675 72897
04231 98632 80690 62262 14778 79028 48406 21759 60444 39972
94513 62619 27542 59940 23326 67006 41193 71829 91500 09498
20630 51997 53534 87003 57200 87653 55108 52366 55277 58277
37736 45886 000 000

9317/10484/11552 kHz, 24-09, 0530/0550/0610 UTC

135 135 135 1 6387 106 6387 106

78868 98598 36763 21427 65950 69172 75384 87669 06910 60292
54161 71526 23588 83523 50066 67703 32682 35086 21919 25277
49771 08831 41764 48940 48926 70583 65532 71121 37017 82644
06001 02197 23975 52412 82975 92696 75783 73545 31665 70402
64924 58785 13887 47656 25515 52181 60790 21715 06564 97978
84253 12511 63395 27764 59668 50575 41795 86515 35418 15763
50441 29599 83771 03750 56058 82702 28163 06800 67175 35721
15376 31245 26224 87479 04007 96499 40860 18929 47826 46483
36297 95426 51285 09693 92271 01747 16127 27090 16548 50674
95353 12310 72134 47442 76153 01852 41590 22029 20198 59590
57147 84885 97437 03354 32058 20677 000 000

10836/10136/9136 kHz, 24-09/26-09, 0700/0720/0740 UTC

811 811 811 1 425 96 425 96
51471 79486 99311 28162 04251 00423 75599 05409 21606 92834
21971 84878 97345 92707 60368 46202 63199 03370 33403 30501
61019 31935 44137 53782 58698 06198 36351 18036 83152 62331
42035 41852 24157 63918 75998 47645 32167 63090 09814 60985
56093 73980 27586 69611 75146 09432 20027 70894 33125 64032
59430 51471 75660 58969 79286 87747 23828 83271 55593 88459
57775 20677 26504 28144 97886 42393 32075 03236 64572 50149
59488 77913 61773 87361 25809 97612 09744 31267 06045 67153
61967 99116 83122 38009 31171 74157 07109 23547 29435 38235
83506 23797 92519 28515 21430 49983 000 000

11435/10598/9327 kHz, 24-09, 1800/1820/1840 UTC

938 938 938 1 2769 107 2769 107
62229 14178 25507 49907 99279 41212 41090 69308 97611 43853
58741 34249 99775 35411 43328 50900 01209 55129 93225 43262
51351 69869 85613 73216 31333 25370 83173 04250 84863 87782
73980 07976 24235 21547 52761 36396 29037 44413 22162 78053
92006 93754 07101 13628 56296 77591 27044 33982 12575 41388
75279 54006 44409 31141 26952 78499 00810 13558 60330 86162
82654 80661 84834 26320 32172 37086 79889 74435 00447 54940
67329 77027 19824 59330 55081 08461 37857 38452 50423 67330
77373 52185 44443 98658 53423 88091 16532 76423 08521 52129
06016 64199 37232 03500 60175 37194 56705 99254 12701 72816
60444 11397 89094 12718 35949 37414 76788 000 000

12162/11566/10711 kHz, 25-09, 1710/1730/1750 UTC

546 546 546 1 9302 104 9302 104
96954 28780 06789 53101 07985 97529 27643 52665 20128 16647
97457 91160 65148 06404 00904 30395 72981 93186 90248 22461
25754 00687 61540 14614 12722 62501 23437 87852 49676 31974
03854 60461 82327 94941 36748 74644 43378 42946 35305 36636
68773 28177 37668 52018 41292 53270 05194 93436 67915 23112
51324 46854 47657 53226 34271 05122 42202 22376 20749 05664
38944 12771 21910 04671 54571 13468 79057 81731 02651 49168
35910 82066 44379 04278 43717 34978 68046 97319 75783 67375
52493 27394 53140 54599 49931 31924 35515 37468 86785 45327
60672 91868 97707 26052 93998 06429 32506 97193 37008 18291
36387 61042 01753 22657 000 000

12162/11566/10711 kHz, 26-09, 1700/1720/1740 UTC

546 546 546 1 8235 108 8235 108
94153 51539 42164 91850 79392 66578 65093 03640 11883 04612
62184 58281 03250 04747 90987 85596 93075 56948 59407 11447
55200 94684 47993 14856 12323 51951 72256 53836 97993 37288
67628 67500 17923 23429 33124 63360 22932 16126 65891 61043
56030 82595 58710 70927 87268 32452 53718 63621 54766 89984
84694 71817 39565 88164 82794 22446 45766 53772 62666 25237
43115 19882 50466 27260 21557 90426 79820 15737 58884 52895
33513 54324 53261 14798 99974 22737 36230 65015 25681 30217
34635 83954 77535 45470 18679 52748 41982 99476 47030 68603
84316 92947 31827 35787 79715 59656 24979 68311 07605 96924
46440 11197 79243 57641 75640 39075 48952 35243 000 000

12162/11566/10711 kHz, 26-09, 1800/1820/1840 UTC

546 546 546 1 2732 105 2732 105
03629 92743 79180 27083 29485 82092 45734 91593 06481 49104
98500 03091 26831 64344 27197 80911 38719 05196 86670 46483
55899 33040 40792 84416 21703 41934 03391 82832 96914 48360
82102 51512 04545 54923 12313 57686 67050 61161 18591 98725
97434 96984 58948 63617 81142 39918 49588 79165 85733 82692
91895 77595 47853 04524 21012 91107 48860 06185 66591 87840
60603 34878 27599 52383 46111 12925 26655 42094 01306 11769
53637 69345 09523 03647 30668 27072 32603 83605 66766 21193
33726 31915 83148 74389 55155 71113 75756 06326 47856 44951
86876 28317 71867 13844 62064 75644 77898 00848 82358 86572
06476 54028 37032 06956 59956 000 000

14377/13461/12114 kHz, 26-09, 2000/2020/2040 UTC

317 317 317 1 3226 101 3226 101
44028 65690 00300 03984 26923 95660 84292 82185 39054 09014
81484 36102 69176 86460 37256 96175 65372 20588 49540 87000
56631 48744 45673 51255 27566 26496 38798 66505 50277 66458
54024 65797 69254 75663 53786 81303 39945 52866 72790 37306
75050 58126 52014 20063 54578 88972 97612 37744 74275 78882
99071 07301 42521 14298 25891 68657 40779 08585 94965 70771
86933 18667 29500 89473 19633 86166 91374 39175 93574 45193
65805 34409 75918 36006 14640 82882 85449 87011 21110 50096
59708 28483 95224 56024 80227 33371 52781 60686 99671 73539
02325 11325 48398 36699 74751 11532 14155 79014 68641 34473
64668 000 000

8047/6802/5788 kHz, 28-09, 2000/2020/2040 UTC

463 463 463 1 5109 97 5109 97
01117 99804 92985 45606 19790 49179 39198 68630 19048 63482
90339 61734 60566 42709 52767 98851 83338 54713 98165 09643
94783 78003 84118 23949 36552 44872 41664 14470 43846 89132
67562 66540 83721 86665 82338 68946 59995 93036 27138 74259
96216 20263 66382 42233 48530 41046 00660 16858 93439 18344
77846 36161 53358 30525 03892 05233 97190 93266 05927 15149
41113 39611 40844 05456 69635 08193 30122 82107 60494 76317
60414 17377 07932 71972 04668 65224 80344 59040 36183 62827
25863 03031 92238 46221 06046 06926 68518 43407 60770 89412
20706 30415 15324 84023 54691 98451 86352 000 000

7961/6861/5861 kHz, 27-09/28-09, 2100/2120/2140 UTC

00816 94192 000 000
988 988 988 1 235 140 235 140
05083 70025 41842 57116 75011 88428 58054 74470 25035 38992
81856 98230 91510 66080 07874 40454 34657 42574 37761 57439
00004 32505 43489 20151 77553 94056 07762 00396 51742 39111
07304 32565 08973 94742 14528 08744 80357 83861 32563 45776
78072 35450 06888 57621 50267 41896 24949 34118 58250 21816
73218 47074 16689 30610 96086 94377 69811 14870 27822 88764
20692 41630 91170 96305 43823 88298 38830 89195 45956 90344
95565 72616 22993 94594 10513 43438 81603 18014 05136 91864
35582 20772 04046 07689 95235 66267 75328 96110 37439 26892
36556 76929 55307 25555 86758 20895 22519 24717 59779 61268
15223 54199 82969 04881 28423 54782 64974 68231 76508 01414
08085 28062 83497 84574 13170 44938 75317 58735 99031 60919
23467 08009 56492 81924 26426 80410 35510 69574 22816 05519
55482 80968 86766 25049 69676 18039 08218 33736 00816 94192
000 000

16348/14848/13448 kHz, 30-09, 1400/1420/1440 UTC

384 384 384 1 366 79 366 79
 89567 88940 77703 77796 00611 61452 84187 58860 24910 24162
 65097 66990 49941 09470 78912 31866 36914 64863 57080 22618
 69855 03296 30066 26151 02519 35831 92684 28854 10933 18784
 40368 75947 39830 14584 26450 01437 10120 74318 59623 29809
 45030 96405 18071 45237 33962 97877 80904 21115 70869 19727
 29576 17751 71568 46436 42195 19375 70095 49116 37961 95360
 76535 33868 24598 38343 56359 57355 81837 18948 84988 07548
 71695 74852 92918 40623 72253 62697 25562 96375 89493 000 000

11435/10598/9327 kHz, 30-09, 1710/1730/1750 UTC

938 938 938 1 3595 104 3595 104
 60255 18729 93258 03325 17043 09263 70345 54503 65973 19282
 23970 56483 36971 71572 92505 67613 90240 28607 74002 47960
 74829 19028 36398 13380 34428 34390 45876 87799 04807 88211
 11810 47896 70168 68294 74905 67979 65286 66357 12565 63617
 45549 93848 87376 03847 21710 48939 71260 63153 28348 28556
 57034 33746 96022 98544 48499 06731 37238 50295 81467 60547
 91390 96902 47903 41026 83736 67152 05613 69333 64992 96307
 18598 96095 22523 00313 45006 21875 69378 40483 81457 34703
 81555 13530 14068 85333 73125 52538 15021 43579 84027 16424
 58709 82513 74025 96459 43437 88183 00561 88716 68191 45237
 63206 61516 53022 45522 000 000

8047/6802/5788 kHz, 30-09, 1800/1820/1840 UTC

463 463 463 1 8937 99 8937 99
 45658 48733 36928 86268 65013 27271 04608 40008 46362 57654
 87129 75166 51695 92325 08061 93379 32776 50131 60315 80895
 60662 64100 64109 01027 51222 96948 87988 68383 82023 27840
 56210 03822 71244 02133 80206 50596 96119 04210 79764 61678
 19405 81007 49459 58604 96930 62065 97491 389B2 86114 94153
 43438 70704 18862 70238 50365 86077 67826 61322 37022 58653
 83950 67619 69840 73472 55555 02691 41978 56980 99874 69646
 02273 17538 43560 94673 58922 22173 47231 68270 01715 04746
 16864 02340 39016 43867 51304 80503 64551 16414 24354 12574
 24721 99063 54911 02092 29096 88004 57015 13040 66070 000 000

M14**5951 kHz, 10-09, 1900 UTC****5463 kHz, 11-09/25-09, 1920 UTC**

537 674 674 42 42 = =
 90635 25146 78456 08726 14267 84561 32542 67231 46231 24741
 83416 90563 23167 74261 89461 67231 35279 90532 36714 54801
 42671 89261 36109 47210 90563 63289 70461 27362 86378 51280
 90463 21452 64720 85713 80451 67341 25389 80562 67341 22567
 78231 45279
 674 674 42 42 = = 00000

4730 kHz, 14-09, 0800 UTC**4650 kHz, 14-09, 0900 UTC**

523 556 556 43 43 = =
 32456 76545 87456 65478 90989 13421 45326 76678 43214 65678
 34521 61256 32431 98013 41298 54136 26771 43322 66132 98674
 21495 56013 90105 71534 76012 43908 76132 54390 76581 21436
 15478 05601 32654 87951 65132 43167 86451 24617 84351 43690
 21435 67754 54327
 = = 556 556 43 43 00000

4730 kHz, 21-09, 0800 UTC

4650 kHz, 21-09, 0900 UTC

523 542 542 45 45 4 4

25189 90461 16327 53180 63289 90164 36186 42751 33185 80541

27153 88267 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 63190 73891 04672

542 542 45 45 4 4 00000

Note: 4 4 sent instead of = =

5947 kHz, 24-09, 1820 UTC

346 674 674 42 42 = =

90635 25146 78456 08726 14267 84561 32542 67231 46231 24741

83416 90563 23167 74261 89461 67231 35279 90532 36714 54801

42671 89261 36109 47210 90563 63289 70461 27362 86378 51280

90463 21452 64720 85713 80451 67341 25389 80562 67341 22567

78231 45279

674 674 42 42 = = 00000

4730 kHz, 28-09, 0800 UTC

4650 kHz, 28-09, 0900 UTC

523 546 546 38 38 = =

12345 56720 34569 53412 12040 53060 63217 10140 68320 34490

89012 56790 41235 17236 21060 84590 34512 32617 17845 24060

62340 45210 47321 93476 93164 83032 63752 92174 59356 14056

48385 94732 63832 45170 75841 58932 95178 32060

546 546 38 38 = = 00000

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

4639.5 kHz, 02-09, 0444 UTC

=990750??0????? =990751??0????? =990752??0?????

6231 kHz, 03-09, 0443 UTC

=990739??0????? =990740??0????? =990741??0?????

6911.5 kHz, 03-09, 1303 UTC

=991603??8????? =991604??8????? =991605??8?????

6954 kHz, 08-09, 0732 UTC

=992028??8????? =992029??8????? =992030??8?????

6428 kHz, 08-09, 0738 UTC

=991038??0????? =991039??0????? =991040??0?????

4071.5 kHz, 08-09, 0826 UTC

=99?1126?9????? =99?1128?9????? =99?1130?9?????

5789 kHz, 08-09, 0851 UTC

=991151??8????? =991152??8????? =991153??8?????

4582 kHz, 08-09, 0856 UTC

=991156??0????? =991157??0????? =991158??0?????

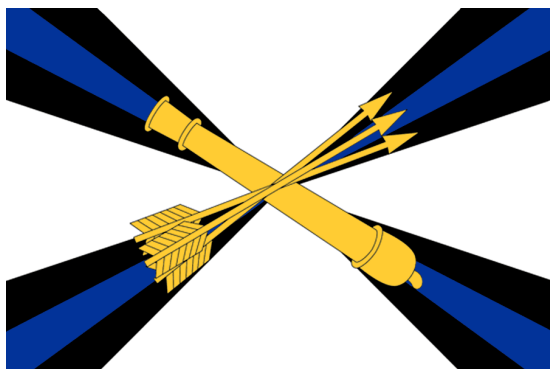
4280.5 kHz, 08-09, 1328 UTC

=99?1628?9????? =99?1630?9????? =99?1632?9?????

M41 - Russian Air Defence Forces (Во́йска ПВО Voyska PVO)

6362 kHz, 03-09, 0430 UTC

5L9I 5L9I 5L9I 5L9I 5L9I AR



M51a/M51b FAV22

M51b: 3881//6825 kHz, 05-09, 1230 UTC

Non-stop 5-character groups composed of M51a messages.

The spaces between the messages were not transmitted but entered afterwards.

UJDKX VBDJZ WNSHQ XVDKA OLQLP OKHNC VHFUR SHNXJ WVXHZ JSKZI
OLDJH VCJSU ZYDFS WBXJS 37281 KJNCG TGDHS 7359/ JNWKS YHDKS
OLSJU YHSPL WNDHZ CIAHV XVCGR AIKSP LIJFT 52847 GBWCV VCHFP
AIKDM SJWNX KAUID LSORV CHFDZ WHNSJ AIKDP MIKJY HBFVJ LDFCV
XBSKZ 63829 UJSLA BWJRY FLQPA MLJIT CHFUZ SBXJS UJQKA ZNWHF
YHDKZ SHXVC YHZKQ WBXJZ 53826 ZUJDL NBXJD YHAPS XVCJF 18548
YHDIK XBCKS ZUHDK WNXKZ KIOSL HNWJS THZLP WBXKS YHDTV UJSKZ
VXYRP SJXLZ WNXKF CJSUR CKSUZ WHNCP LXIET DGSUZ 36528 NBCVX
UJSKA ZUSFC XVVXV HNXJS IKWLZ OPAJB GVFBH JSYRT FGCJS KJDGS
6382/ JNCJD XYHRI SJZIS /4637 XHNDJ SKAPL YHDUT JKDGC BXNQK
YTSHA WBXJM XKLDU LDLDU BCHVN GBCJR XVCHU TIGLD UJDKZ 65382
BWJSU AKSLQ WPETD GVXJD JSKZI JDHCV XNSKZ

GDHET SHQUZ SHQJA KSLQO EYIDH XNDHE SUJZO ALQNP LOKJH NCHFG
IKFHE CBDGS XNWJS QKAIU EYDGS ZUJSI AKNBC XHDT 46328 JQKAI
NWBXG DVXHE ZUJSI 35276 BXNDG SJQUZ AKJIO DLSME DHRTF KJFOL
XNCLD ELSOE RLDHC VNDHR XKSLQ AMZIA DJZOD XNCVD SHQJD 87564
LAUJF CVXBS WNQJT DGSUJ WKQLM PAKNP DNKXD WNQJZ AJNBC MAJFG
XYZUJ 37828 DJNXJ QKAIU CNXJD WJNDG SHZKL QMPAL

HBCGD QJAKL QMAPL NWJDG ETSDA BWHQK AIKSG DFXCV DPLAM WNGHC
XBDUE IKDHS XVWHQ AOLZP MQKJU NCHDF XVWHE SYHVG DHSUA ZNWJS
83725 JSJET 37627 QJNXV CHZRS WKQIJ ALMPQ HNCVX HDUJR MLQOA
NXJWC SHQYT RIZGF VXBSU AJSKQ WNHUA ZIKSL QMNJK XVCGR PLAOJ
NBCHF XHSDW ZTAGF 34267 XVWHQ AUJSD XVCLK CBXGD OLAUJ NVXBD
SFAJU HWCJS QKLAP MNJKG VBXHD WCGFS WVFRZ

BONJO REWTQ NAKAP BLOOD QZMAP FHRYU SLEEP ARIMA YONJF 47820
BCSMK ?VA./ FPORE POPEW SBAWV BAVES FLRPO NVBDY LEORP LOPEY
./, ' BXAHQ 87420 QAJDE BAGDA RYADS CBHEU LSPWO ADWRW XBSGW
SADAM 78903 CZAWQ ,AS'.? CBDGW LDOEP QWADW VXBSS WUJDK XBANQ
MWOPE ADQRF 05894 XABQJ AR?.AS VA FNDJE FLAME XVWTG SHAME CNBEJ
SIZED ANDUE ZEPLI 12548 SAQWD .,?' JJFRU ASILE XVSGW ADIOS
WALTI XCWTG ALSPO XBNMK 11478 XZAYG /'AS?, LIUTO SFWTJ BADAM
BIPOL VAQGS BILBO FRODO PIPIN 04789 PGUTI ?., '= CXSEF JGRDK
LGPRK

SHDJE SHQLA ZOLDH XVCJS WNXHF CVRTD XKALP DLMSH BCJTG FHBCN
XJQKZ PMHGB CNXJD RTGFO NCKSK WLSUZ QKAZP HBCNJ XBFGT 56382
BWNHZ USKWL ZLDGC VJRYD XBSJZ QHWPB AMLKF 56820 18362 LWNCD
DJSKZ IKDHC VXBSJ AKLSM WNQKD HNCJF KXLSI JQNWK ZUJDO ALDMP
IKFHC BXJZU SHQKZ 3872/ 01853 DHNCB XJSUR ZLKSH WNSJZ AKPDH
UJDGB CNXJS ZUJQK ALMDP IKFHC BXNFT RGSZH JWNQK ALPDG CPAJB
PMFHC EYSUZ 36280 UJSHN BCJRT 4628/ JNCJD SKAIU DHSVC XNWPC
MZUJG MQJNC BXJRT DGSZH QJNBH XKWNZ UJQKA ZOLGH CBVUT YHFC
XBSJZ IKFHC XBDJS ETDGZ APLSJ NKXVC WKLDU 46289 RUJFH CBXND
RYGFV PDFCO KNVJF CHVJR SHNCJ XNWJZ AUJDH XVQBO KLDJS UJDGC
XBSUA PLFHC ZUJHC XBSJZ 37286 AIKDH BXSND ETSYZ QJAKO LDHCT
XBSKP

ASJSK WKQNZ AIKDL XBCPR SJQHZ NXCSJ QKZIJ QKPAM LHNFG NXJRY
UJDMZ JNPDM XBDGR 37658 29816 YGDBC VXJSU RTGFJ SNXJS AKPQM
OLFHD VXBYR SUJZK QLAPM KNGDJ CBTYR FHCVS SJZIK QLAPU MAUJF
KGKSJ BCNXJ DKRTS ZUJSK 5728/ JNCHD XVSJR UJSOZ PLAUJ HNCKF
MSHDM NLRUG BCNFH CKXLS KKDJU YHFGC VLSPM XBDGR YSHZI ZJSKA
UJSIL 637/8 TGDJS BXNWJ QKAOL DJFGT SHJSK QKALP MQKGB CVDGR
SJRTD XVSJZ KWLQO YHDKL SLPSM HSHSH ERDCX ZUJQM OAMPH 20178
YHUUJ CBXJR SUJZO QKAHJ 45372 DFXVC HWNQK OLDGR YHDKZ IKSLA
YHDKS VXBWK SKQLR SIZKP ALMDJ NCJTY BGCBD XNSJZ QJAKL DJNHY
PLKGH YUDGC XBDGT 47382 683/0 NCJFH TYDGS XWVJS KALPM KIYJH
DGCXV OLFHC BXNDJ SKERD SGZUJ QKALP MQJNH BCKFT RGSZH UJSKZ
WNQJZ YHNBV HDKLS PAHFJ CBXJF DGFED KFGCB TYAFJ 47387 NJCBF
XJSKM

M51b: 3881//6825 kHz, 21-09, 0611 UTC, i.p.

Non-stop 5-character groups composed of M51a messages.

M51a: 3881//6825 kHz, 21-09, 0700 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825

SAMEDI 1/ LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =
JHFRD NJSDE ZPOYT QRWET IYUTO POLKJ ZCXVB MNJHB ASFDG 13957
VXSGW ., 'AS VA QDSSG LJPUO NVBFG YRTQW ASZXA QPLIH BCVDN HDYEI
10369 VXSUW 'AS?., TRYEU QEWAR BCXDS MJKHU RQEOH BGHVT XAZSQ
MNKHJ 47850 BQTBS VA AS/? . XCZPQ MLHPI XASQW LCMEY RSGSW XCADQ
PLKMO ZXCVD 75301 XUWDL ./? ,= PLOIU BVDGW QTYRE ZXQWU PRUTY
BDGRT XCSRW OKRYU 85247 GRWTJ /?., ' FBFBI PLOIU VZBQI ETFGR
'AS./? NVDME 52036 VDGFS SHGCD AZSQL MNEYH DJFVO ALKCJ QWIVJ
BDGVX 50369 QAVNR 'VA AR.? CBXZN MLFKE CALSD ETFUB +

SAMEDI 1/ LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =
LA COMMUNAUTÉ NATIONALE CONNAIT VOTRE COMPÉTENCE ET LES ÉMINENTES QUALITÉS NÉCESSAIRES À L'EXERCICE DU
MÉTIER DES ARMES. ELLE DOIT AUSSI MESURER LES RISQUES QUE VOUS PRENEZ, LA PASSION AVEC LAQUELLE VOUS REMPLISSEZ
VOS MISSIONS, LES RÉSULTATS QUE VOUS OBTENEZ SUR TOUS LES THÉÂTRES D'OPÉRATIONS. JE M'Y RENDRAI PROCHAINEMENT
POUR MIEUX CONNAÎTRE, SUR LE TERRAIN, LES FORCES ET LEUR ACTION. JE M'INCLINE DEVANT LA MÉMOIRE DE CEUX QUI ONT
DONNÉ LEUR VIE AU SERVICE DE NOTRE PAYS. JE TIENS AUSSI À ASSURER DE MA SOLIDARITÉ TOUS NOS BLESSÉS, QUI PORTENT
DANS LEUR CHAIR LES TRACES DE LEUR ENGAGEMENT, ET LES FAMILLES DE CEUX QUI ONT ÉTÉ ÉPROUVÉS. +

CQ DE FAV22 VA

followed by more M51b.

M51a: 3881//6825 kHz, 21-09, 0820 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825

SAMEDI 1/ LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =
QRDFT DSHDS MBNFJ PLEOI ZXACS FHRYE MFLRK ZXAQE URJTH 32156
PLOTI /- .VA' QEWSR CZXSA NVHFK QWRET UGTIO VCBGD MLGKT ZXADS
?VA'AS, VCDGW 63205 KHJGK ERATY XVDFS LMKCD ESVAZ QXDZA NBGHI
WERQY 96358 BVNVD ?.,/' VCDFH LKJMF WRETC ZAQXW BFGEU PLROU
CXFDE QWAEB 47859 BCDHE .AR'AS/ EUFUS POTIY QWAES BCVD FZCSQE
QAWEV NVHFK LBPN0 45632 WESKD ./,?AS QWAES VBDJK LPROF XCSVW
SADFG LKJHG ZXASW CVBFN 02365 BCDHW ?AR.,/ CVDFG XASZQ MWNGJ
URYTE PLEOI ARTWH ZXACW MHKYT 32056 VODJK ?.,=' NVBDG ZALOK
CVDFB +

SAMEDI 1/ LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =
DEPUIS PLUS DE DIX ANS UN ORGANISME D'ÉTUDE LE CENTRE DE RELATIONS HUMAINES EST CHARGÉ D'ÉVALUER LE MORAL DES
MEMBRES DE L'ARMÉE DE TERRE ET DE MESURER L'IMPACT SUR SES PERSONNELS DES DÉCISIONS MAJEURES QUI LES
CONCERNENT, EN COMPLÉMENT DES RAPPORTS SUR LE MORAL DONT LA PERTINENCE N'EST PAS DÉMONTRER. BUREAU DE LA
DIVISION ORGANISATION-RESSOURCES HUMAINES DE L'ÉTAT MAJOR DE L'ARMÉE DE TERRE, LE CRH EST À LA FOIS UN
ORGANISME D'AUDIT INTERNE, UN OBSERVATOIRE SOCIAL ET UN CENTRE D'ÉTUDE ET DE SONDAGE, UNIQUE EN SON GENRE.
FÉLICITONS SES PERSONNELS. +

CQ DE FAV22 VA

followed by M51b traffic.

M89 - Chinese military

4347 kHz, 01-09, 1305 UTC, i.p.

N5N4 D356 UDA3 AR K K
R GA K K
R RPT 36W TO 40W K K
R QSL .014 K K
R SK III R SK GB K

5280 kHz, 12-09, 1126 UTC, i.p.

R QSL 1845 K
R AS (Both stations on this frequency)
7G HR 7G GA K
R GA
7G NR 0262 CK 70 24 0912 1840 RMKS 7830 TO 7831 =
R7G 1P = = (Sends letter O for zero)
5NTD .N6U T54U U43A D3UA 3U4T 46TN NUAD 56AU 354U (Cont'd)

4123 kHz, 19-09, 1437 UTC, i.p.

R HR MSG GA K
R MSG NR .405 CK 101 2. 0919 2310 RMKS 4998 TO 45.2 K
R BT 4TD5 33NU DNU. 473D AU37 AT6A (Cont'd)
AR K
QSL 2330 K
SB SB SB SK GB GB

4324 kHz, 20-09, 1135 UTC, i.p.

5A4N N5T5 4AU6 64U7 5TNU (Cont'd)
AR K
R RPT 12W K (Both stations on this frequency)
R RPT 12W K
R RPT 12W BT DT45 DT45 AR K
R QSL 1937 K
R ON EEEEE R OX EEEEE R OK K
R SK
R SK

6652 kHz, 28-09, 1039 UTC, i.p.

R RPT K
R KP
VVV A5ZH DE PJSL K
R QSL ? K
R QSL ? K
R U WK NR GA K
R KP
VV U8AG DE PJSL K
R QSL ? K
R RPT K
R RPT 1P 35W ANT3 K
R RPT K
R U WK NR GA K
R KP
VV R2WP DE PJSL K
R QSL ? K
VV R2WP DE PJSL K
VV Y1TO DE PJSL K
VV EBZE DE PJSL K
R QSL ? K
R U WK NR GA K

R KP
VV HSDM DE PJSL K
R QS EEE
VV HSDM DE PJSL K
VV TQJF DE PJSL K
VV T.JF DE PJSL K
HR WK NR 668 HR WK NR 668 K
R SK SK

M95

9000 kHz, 01-09, 0835 UTC, i.p.

DUN5 73A4 6TDA NU63 754T (Cont'd)
AR HR 7G GA
NR 025/CCK CK 100 21 0831 1700 RMKS BFS =
U34N T567 ADNT 647D AU35 37A4 7DTN U54D N45U 6T7A (Cont'd) AR
QSA ? HR WK NR 050
QSL QSL QSL ?
.A5T QSL ?
QSL ? HR WK QSL ? HR WK I S HR WK NR 150
H VV H VV HR 7G GA
NR 0125/CCK CK 199 A EEEEEEE
VVV HR 7G GA
NR 125/CCK CK 199 21 0831 1700 RMKS BFS =
VV HR 7G GA
NR 125/CCK CK 199 21 0831 18A
DE DE
? F VVV HR 7G
VVV CG K EEEEE
VV CD5K CD5K DE 4944 4944 K
V R 4944 DE CD5K R QSA EEEE (Both stations now on this frequency)
N 4494 DE CD5K R QSA 2 QSL ? K
N QSA 2 IEC = 3727 AR K (Normally associated with exercise)
N HR 7G GA K
IEC 5845 AR K
R HR 7G GA K
HR 7G GA K
7G GA K
MSG A MG T.. 7G 7G
MSG NR GA K
HR 7G GA K
BSF ?
QSL ?
QSL QSL ?
HR WK XX XKXXX X XXXXX
QSL ? HR WK NR 150 K
= = = U34N 4567 A... 647. QSL 1715 HR WK NR 120
SK BOZZ NN SK
SK

3361 kHz, 19-09, 1708 UTC, i.p.

AS DE
UG1S QSA 2 QSA ? K
NR
AS DE
HR MSG GA CY HW
MSG MSG MSG NR 307/CCK CK 99 33 0920 0100 RMKS = CQ AR
MSG MSG NR 307/CCK CK 99 33 0920 0100 RMKS BT CQ AR
= = = 46DU A3TD 6N47 6U7D 3DAT D7T5 7D3. 3TN6 6T57 73NA 74AN (Cont'd)
AR (Message format indicates M95 family)

HR WK NR 122 122
NIL SK GB
RS8H QSL ? K
NIL SK GB

3642//7602 kHz, 23-09, 1424 UTC, i.p.

VVV HR SVC NR 068 2130 RMKS 2093 TO 2136 = COMM/2200/XZ364/45/2096/2136 AR
QSL ? HR WK NR 30
V DKG6 (x3) DE 3A7D (x2)
VVV HR SVC NR 115 2230 RMKS 2093 TO 2133 = CLS/2300/
VVV HR SVC GA NR 001 2240 RMKS 2093 TO 1462 = UL LHR ULL AR HR QSL ? HR WK NR 30
V DKG6 (x3) DE 3A7D (x2)

4364//8073 kHz, 1130 UTC, Q26: 4+4 QPSK 75/3000 LSB. Still having technical issues on both frequencies

4364//8073 kHz, 1136 UTC, M85: CW. Still having technical issues on both frequencies

BNGC DE XSV85
HR MSGS GA PSE CY
NR 0791 CK 207 35 0926 1548 =
TU6 3U6 3AN 3U7 TAU 773 356 4T3 NN3 436 (Cont'd)

3355 kHz, 29-09, 1703 UTC, i.p. (Previously unknown call signs)

V BU8G (x3) DE BCF5 (x2)
CLS (X3)

(CLS is seen in svc messages from M95 stations. Could this refer to a broadcast at a certain time on a certain frequency???)

HR MSG GA CY (x2)
HW MSG MSG MSG MSG
NR 326/CCK CK 99 23 0930 0100 RMKS = CQ AR (Message format indicates M95 family)
MSG MSG NR 326/CCK CK 99 23 0930 0100 RMKS = CQ AR
= = = 3AU3 A76N TDN6 U6UA EEEEEEEEEEE = =
3AU3 A76N TDN6 A6UA 64D7 .3U5 7U6T DA4N (Cont'd) AR
HR WK NR 122 122 CL CL
DE
4HJQ QSL ? K
4SJQ K
QSL ? K
NR
NIL SK GB DE
HDR1 QSL ? K
NIL SK GB DE
..NM QSL ? K
NR
NIL SK GB DE
HFF2 QSL ? K
NR
NIL SK GB DE
9ZQA QSL ? K
9ZQA K
DE DE
SDF7 QSL ? K
NR
NIL SK GB DE
.F5J QSL ?
NR
NIL SK GB DE
9ZQA K
R
NIL SK GB DE
9GSD QSL ? K
NR
NIL SK GB DE
2S.. QSL? K

NR
NIL SK GB DE
2DWQ QSL ? K
NR
NIL SK GB DE
ERT. QSL ? K
NR

DIGITAL MODES

HM01 - Dirección General de Inteligencia

11435 kHz, 11-09, 1604 UTC

Radio Cubana Habana then HM01 already i.p. 57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)

17480 kHz, 24-09, 2200 UTC

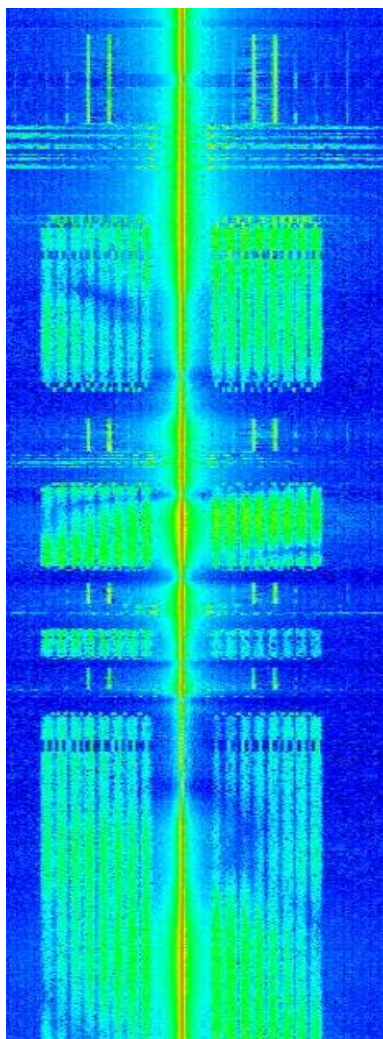
Radio Habana Cuba until 2203, then HM01 66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)

Groups sent:

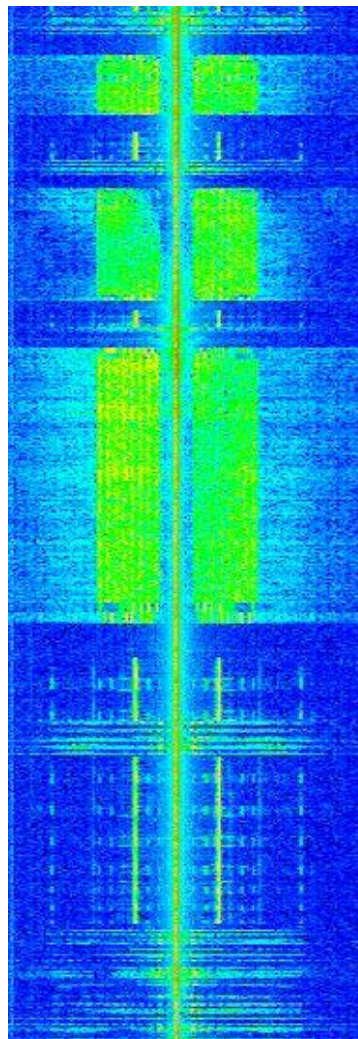
1/16 Sept. 57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)

17 Sept. New groups: 66012 17241 10803 16171 10125 67090

18/30 Sept. 66012 17241 10803 16171 10125 67090 (repeating the groups of 17 Sept)



Normal voice/RDFT signal



RDFT with defective sync sequence

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

M42 – various modes

11463 kHz, 01-09, 0658 UTC, MFSK, Russian diplo/intel i.p.
16314 kHz, 09-09, 0928 UTC, MFSK, Russian diplo/intel i.p.
11571 kHz, 10-09, 0823 UTC, MFSK, Russian diplo/intel i.p.
16166 kHz, 17-09, 1133 UTC, Serdolik, MFA Moscow, RUS wkg Embassy Nairobi. No traffic. QSX 17454 kHz
17454 kHz, 17-09, 1133 UTC, Serdolik, Russian Embassy Nairobi, KEN wkg MFA Moscow. One brief message. QSX 16166 kHz
13438 kHz, 18-09, 0916 UTC, 32-tone MFSK/60-tone OFDM, MFA Moscow wkg Russian embassy Prague
6872 kHz, 19-09, 1230 UTC, MFSK-16/250Bd BPSK, Russian intel.
8164 kHz, 20-09, 1401 UTC, MFSK-16/250Bd BPSK, Russian intel i.p.
15828 kHz, 23-09, 0957 UTC, MFSK, Russian diplo/intel. i.p.

M42b – FSK 50/500

6782 kHz, 03-09, 0433 UTC, CW OH7U wkg 8JÛA
5376 kHz, 03-09, 0444 UTC, CW RJ8W wkg HGEB QSY 4367
5328 kHz, 04-09, 0629 UTC, CW WL4I wkg BFRW. Traffic in FSK, opchat in Morse: QRU NIL SK) QSX on 5833 kHz

F01 – FSK 200/500

13467/11084/9052 kHz, 04-09, 1840/1850/1900 UTC

Null message.)576 100000+++++++

F06 – FSK 200/1000

Link 00052

16260/14386/12098 kHz, 11-09, 0800/0810/0820 UTC

11166 00052 15468 11044 01639
35640 17399 26098 30678 91723 76383 65331 05716 36120 95242
15187 60430 86826 07636 20406 75724 74053 21283 94849 72257
44582 44786 24381 68565 12261 28226 38579 83425 00343 09715
12252 87141 16672 85088 82665 31446 21940 42938 93433 12704
64445 32157 01005 48099 79795 54192 04689 69504 78986 97198
86150 64707 73295 54268 69313 20692 09439 92926 36618 48658
13403 68098 62559 95461 66426 95704 50444 71178 61526 29096
83318 47454 14047 05512 24984 06358 24637 54735 32051 44401
18114 87152 62971 61422 06638 03390 94967 89026 50645 92718
84824 38257 15975 12421 34454 71196 50612 65298 47194 26180
29513 17510 85754 51312 40924 23938 67774 25965 12647 53246
59902 74962 01677 29853 56356 05116 95667 34963 52894 18822
99640 33889 52129 84389 06387 21821 61128 67799 74003 05235
67239 55570 58994 61147 03075 23435 78366 41377 36593 30492
99182 14021 47213 43548 78980 59319 73909 21312 05513 62108
46207 13141 09243 68037 34030 52033 47028 95747 77335 46538
80436 44161 00000

16260/14386/12098 kHz, 25-09/26-09, 0800/0810/0820 UTC

11166 00052 78654 25045 01129
26778 69683 87787 26870 43552 50518 14182 56950 36120 33824
23674 51571 40070 31568 78723 11088 22183 80690 19553 60845
59873 62400 15205 21311 93451 43071 65170 17768 76739 03894
87984 09231 40441 51491 57266 41304 75145 26677 91413 52641
82395 53546 67810 89709 67259 96085 74628 09544 70843 14490
61156 75174 66185 38374 72615 73418 65961 99067 80373 09725
15451 88177 43511 59749 69189 34607 62676 82369 74752 17222
12156 23796 12103 55348 61108 67500 61947 44285 19900 09620

01528 28033 72467 64541 51296 26409 80660 30353 20905 58743
71489 68841 27952 31357 43222 79727 87913 80980 51271 73831
98708 91329 59794 74844 68331 25006 69960 04414 58984 37922
45110 00000

Link 10031

16146/13385/11434 kHz, 11-09, 0915/0925/0935 kHz

11166 10031 46528 11001 00049 00000 00000 00000 00000

16146/13385/11434 kHz, 25-09, 0915/0925/0935 kHz

11166 10031 14279 25026 00049 00000 00000 00000 00000

Link 10053

14455/12065/10426 kHz, 01-09, 1530/1540/1550 UTC

11166 10053 13579 01001 00049 00000 00000 00000 00000

14455/12065/10426 kHz, 08-09, 1530/1540/1550 UTC

11166 10053 13579 08066 00049 00000 00000 00000 00000

14455/12065/10426 kHz, 15-09, 1530/1540/1550 UTC

11166 10053 49681 15001 00049 00000 00000 00000 00000

14455/12065/10426 kHz, 22-09, 1530/1540/1550 UTC

11166 10053 74123 22001 00049 00000 00000 00000 00000

14455/12065/10426 kHz, 29-09, 1530/1540/1550 UTC

11166 10053 14279 29066 00049 00000 00000 00000 00000

14828/12214/10534 kHz, 03-09, 1650/1700/1710 UTC

11166 10053 19386 03001 00049 00000 00000 00000 00000

14828/12214/10534 kHz, 10-09, 1650/1700/1710 UTC

11166 10053 74123 10001 00049 00000 00000 00000 00000

14828/12214/10534 kHz, 17-09, 1650/1700/1710 UTC

11166 10053 35721 17001 00049 00000 00000 00000 00000

14828/12214/10534 kHz, 24-09, 1650/1700/1710 UTC

11166 10053 13579 24070 00049 00000 00000 00000 00000

Link 40122

15930/13503/11109 kHz, 05-09, 0600/0610/0620 UTC

11166 40122 16385 31048 03579

85867 94639 43910 08272 99839 30030 85522 24699 49095 38366
69820 20894 11705 00112 24685 39071 87776 36003 29745 32134
90639 31699 83387 17483 09603 20343 59318 78563 11490 58975
32363 12621 73125 59728 78189 48075 61972 61739 76651 79962
07093 54735 73421 96882 27638 90204 79625 97889 11036 41105
14139 22755 58080 96053 18261 44058 37102 98916 97426 94515
14401 69748 69663 28016 53146 68023 25477 37777 97914 84078
28839 80068 87061 69729 13990 76941 60114 43970 57718 96396
52368 34720 31823 33435 93880 42537 65432 40422 55047 37241
71884 80205 05944 23389 19833 00428 81629 35529 53287 52463
70593 49184 90266 03425 68529 18491 54745 14671 64639 76436
21599 85263 52631 58633 79218 83789 83623 36564 39489 17011
03124 71241 49819 08767 39280 23203 86910 87559 34590 79810
36952 06282 38249 85754 91926 42497 01339 87726 16719 52736

42031 29192 66712 79225 72994 56191 60563 32499 08205 20117
37830 98325 91328 88404 56169 42392 12885 99063 07751 11176
08352 19998 59613 52442 54433 99050 47627 03819 05643 15706
78757 22863 38419 70389 21320 57078 94939 72303 87903 77303
43833 11737 40669 22927 99972 27782 73686 32341 70543 07402
52017 57104 19554 76779 12224 83217 68010 70895 53985 07981
71907 92259 77518 45838 45247 94742 46491 61679 20261 53443
81101 55009 62029 06530 11030 43439 79678 79986 42934 18932
01355 31214 22190 75234 05147 72410 93552 29945 23159 59677
90432 89640 60912 58783 07472 31515 99270 23529 36112 99952
71066 47645 67830 41482 29627 76162 94749 26551 51380 87192
62288 31548 39732 80058 53558 79520 22394 30707 10178 63020
59367 00343 19213 97515 03749 08232 20901 78806 82557 04587
16879 42880 89774 04505 83576 51651 08773 68864 20479 53010
06327 43138 87939 88632 65397 90055 14225 47976 48871 77046
76493 91905 11440 04405 85382 94387 01820 85124 27900 75687
22487 12319 48300 25509 39117 75183 71636 39508 56924 09429
99680 17630 06077 93124 33889 97695 03390 23889 05107 22680
82465 38369 14702 65122 09489 59936 16810 57098 26842 85543
96377 99197 91752 47690 22698 46947 02139 12403 83122 98106
26853 99210 26629 29284 82503 34013 71949 55304 24056 70804
59930 09772 41379 43181 54821 48355 00000

15930/13503/11109 kHz, 11-09/12-09, 0600/0610/0620 UTC. Two messages

11166 40122 79315 07049 03029
24446 84837 47835 24612 25267 76579 19243 17692 33651 47388
87572 79879 92910 13321 05542 11956 67861 78017 64190 08253
00845 81579 80981 15926 01834 19843 39959 54481 39810 70011
63636 93985 27593 83567 21320 15420 17322 32411 03540 01585
48763 19156 17284 32021 17638 87522 81716 80363 56160 93769
29080 37579 42965 25092 40450 09517 84622 75940 71052 62217
35921 18173 44809 13410 51102 26005 22814 93637 83246 41677
75420 25451 73993 92782 12636 94104 00767 97188 52492 08200
73726 16503 32104 73694 99598 44006 91085 29744 54598 37991
82014 19783 33616 36458 87642 96309 67861 14091 49522 82789
28157 67452 37754 41132 56057 39349 16536 18169 89989 18281
85189 69572 78604 73942 99374 84653 98517 14677 02163 60481
18634 77859 19659 98746 78243 89114 00863 23823 71072 51328
06461 45460 52480 49372 76222 14536 11985 81499 29705 45315
78312 53328 79943 02653 49152 95369 64815 77573 62804 90020
25770 99667 53913 18969 88611 59740 60465 66950 26012 41154
74248 42784 06461 83298 51955 03636 59318 25630 29116 93440
10676 05706 04052 31419 69701 09675 84037 11635 70160 98632
10856 99518 96806 59301 07935 36309 51311 52460 16256 87334
37443 57567 11215 95084 70164 37015 17636 23004 38349 68444
65105 00942 75793 18568 50839 08206 20221 56936 02244 55145
64959 33074 56380 49213 32985 65445 98508 56429 28010 15662
26901 94201 42320 46390 36109 16423 26024 86381 35884 76800
47431 51072 47919 81334 99214 92190 47617 65901 30075 74793
43065 59874 06573 05200 08399 21709 34830 58223 13758 57442
96771 77166 19000 58046 80621 45013 23383 16552 10310 50234
88380 10912 03498 95670 75836 63512 12911 23923 68641 13284
30647 57670 66107 61356 60174 78378 71244 76172 85678 91821
12116 69024 93472 53856 64465 75926 25139 54889 67799 06787
67098 86470 52112 47787 06292 38458 17448 27932 06664 00181
49300 00000

11166 40122 62487 07050 02629
33479 85692 86135 64049 51291 96688 98749 55038 44563 48336
51681 34491 22332 72411 11802 51676 80520 71463 81475 41533
84433 00007 48284 92051 99382 86436 38369 29713 11658 06613
28070 96438 07011 45030 93547 16477 98847 04531 03097 76671
23314 50490 81800 68543 43464 00406 03261 65632 29703 94840
88044 34522 08674 10652 13570 03000 97806 02435 65099 33781
67682 83135 82535 77236 99429 79758 82706 01563 29322 25105
61826 23831 97767 71491 07812 90352 44887 37369 77163 79795
19860 22804 16077 27497 96221 54726 30474 94400 10311 47917
34662 29066 65050 92645 33282 96173 66241 04907 16247 69977
83570 00196 71361 16136 53507 76755 44301 10357 66285 19227
00637 67298 04155 58659 69610 78159 23089 49795 74325 80402
95135 51583 78052 08038 53602 21848 01341 95914 08263 62063
89613 36455 22763 73151 35939 12263 71429 08263 88668 53054
17656 33467 98618 90334 81061 32279 85500 08276 85601 14988
28267 14216 05832 18694 09076 77226 53493 09013 65558 08186
71625 19380 31068 79791 28382 88879 67607 09955 27743 84557
21128 57007 79309 19140 53861 00162 94365 00097 33411 03674
00399 70995 83251 88113 91266 31073 24351 57225 55189 43972
62592 53775 47771 71571 01680 42847 02220 93853 86226 46016
93967 00743 04702 74840 01868 66857 06929 37101 33167 45106
15821 14242 04431 40070 38048 33430 95615 47106 03310 82689
19469 68118 86912 42534 73456 39914 95334 32542 66386 36108
19471 96313 36938 28487 85230 73240 06266 18797 56197 30533
31877 76867 68020 53934 54960 46028 99235 20565 58368 01743
08195 02339 77423 74408 90801 73375 30748 72248 38729 19860
50260 00000

15930/13503/11109 kHz, 18-09, 0600/0610/0620 UTC

11166 40122 84253 18069 00049 00000 00000 00000 00000

15930/13503/11109 kHz, 25-09/26-02, 0600/0610/0620 UTC

11166 40122 79465 21051 04369
08339 43370 85566 87121 49763 72180 29751 67207 38490 19698 98767
29523 36494 43337 92372 11193 96182 13988 84314 52522 51861 42125
96670 87415 65606 75900 34049 33118 69716 82144 32332 52710 72925
46212 01665 88791 22586 51614 68370 91797 39986 25374 45473 91377
71005 60044 86527 84278 19283 48317 02430 37176 54104 91173 45916
27875 10168 65504 93408 73328 21445 62142 78924 17921 56307 30238
59721 80425 46105 88926 18362 83107 24398 92212 30898 11381 19015
58016 55855 77475 64127 97320 23703 86543 24544 04346 31502 28651
49381 93705 72413 45071 97335 95468 54763 42347 00709 44069 90338
52538 60396 21998 56616 63098 89028 44224 62599 64814 44427 94273
72953 91257 20596 47900 70143 48171 88410 45300 59226 56236 03207
97795 45027 55656 21449 39926 36348 45996 93666 62888 56932 59707
25850 90267 67839 92791 26492 81982 30944 41021 81458 77396 68229
15166 23880 13520 96571 33667 91249 79261 42701 16185 86915 91631
68023 26460 88156 04876 57994 37938 68029 88441 55729 20573 23164
34740 44547 72274 24716 82624 09115 43406 34639 67528 29902 27800
54487 34208 90623 18703 98917 73012 03350 53113 11089 65629 80991
92919 62144 51243 11827 16305 01960 49036 15772 17838 53353 97981
87069 40694 66939 99847 53104 89438 78807 76377 04006 96823 38234
76553 72744 43013 97584 94900 70407 50701 81625 86768 06330 04533
78408 91515 47787 68291 18931 99543 98911 98267 37743 24119 03549
76260 31715 63914 01720 10649 59120 67212 94384 78962 46251 33706
96194 10394 93731 14836 80921 31689 99731 98592 49252 24863 42261
89745 73624 70155 87729 21397 99814 72688 17971 58844 09940 96246
92907 81647 76579 52630 91042 54864 62696 20007 94981 25383 47045
88702 14154 04290 79754 57882 61930 21207 97781 31535 29322 61543
54903 87216 22455 22592 45959 15992 55989 49411 30009 56988 19694

36434 82114 75038 60352 05728 28412 54806 46180 97859 44180 09863
05958 36298 19580 30148 60053 51278 22757 16235 85529 74085 15001
73857 82519 37685 97634 67129 34059 44635 95335 53884 76565 88221
05568 51592 23143 37758 68813 07274 06916 23976 39298 69857 36563
85456 60882 88413 81247 62035 77828 84712 27128 46109 35106 73522
72646 27799 47946 29117 54757 94894 45313 21394 23322 73523 16996
70071 05816 20475 18997 90387 29568 03133 16906 28733 93701 27927
71960 11673 07971 03273 99456 56779 40680 47915 54219 18719 42872
80615 22807 69032 40972 52130 27145 33040 15080 05411 69268 32320
05089 74961 71868 06185 11830 61295 94327 10598 85417 41429 28926
17978 17995 01345 06918 66310 83056 01367 69155 31017 88546 10381
80946 18015 35904 69845 95848 01409 02266 73521 98065 54244 87990
73859 78150 45766 96706 50990 51434 00000

Link 40133

14463/12139/11045 kHz, 07-09, 2100/2110/2120 UTC

11166 40133 79316 07001 00049 00000 00000 00000 00000

14463/12139/11045 kHz, 14-09, 2100/2110/2120 UTC

11166 40133 79513 14012 00049 00000 00000 00000 00000

14463/12139/11045 kHz, 21-09, 2100/2110/2120 UTC

11166 40133 14279 21038 00049 00000 00000 00000 00000

14463/12139/11045 kHz, 28-09, 2100/2110/2120 UTC

11166 40133 78451 28001 00049 00000 00000 00000 00000

Link 60070

6935/5768 kHz, 10-09, 0040/0050 UTC

11166 60070 13579 10001 00049 00000 00000 00000 00000

9477/6935/5768 kHz, 17-09, 0030/0040/0050 UTC

11166 60070 97531 17075 00049 00000 00000 00000 00000

9477/6935/5768 kHz, 24-09, 0030/0040/0050 UTC

60070 13579 24001 00049 00000 00000 00000 00000 00000

Link 70048

11125/9098/7447 kHz, 05-09, 0800/0810/0820 UTC

11166 70048 13579 05001 00049 00000 00000 00000 00000

11125/9098/7447 kHz, 19-09, 0800/0810/0820 UTC

11166 70048 13468 19001 00049 00000 00000 00000 00000

11125/9098/7447 kHz, 26-09, 0800/0810/0820 UTC

11166 70048 12345 26001 00049 00000 00000 00000 00000

Link 70059

8163/7450/6789 kHz, 16-09, 0400/0410/0420 UTC

11166 70059 61283 16001 00049 00000 00000 00000 00000

15709/13541/10529 kHz, 05-09, 1330/1340/1350 UTC

11166 80214 15963 05053 00049 00000 00000 00000 00000

15709/13541/10529 kHz, 12-09, 1330/1340/1350 UTC

11166 80214 51247 12049 00049 00000 00000 00000 00000

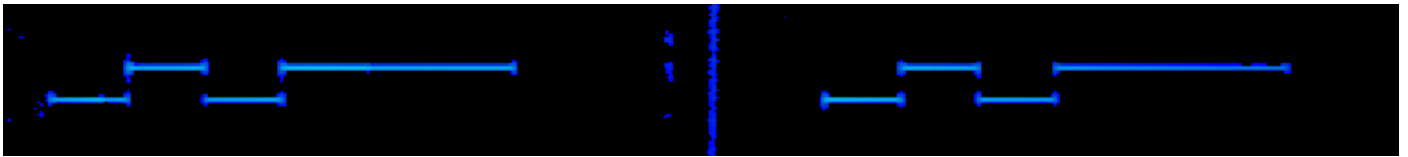
15709/13541/10529 kHz, 19-09, 1330/1340/1350 UTC

11166 80214 12345 19057 00049 00000 00000 00000 00000

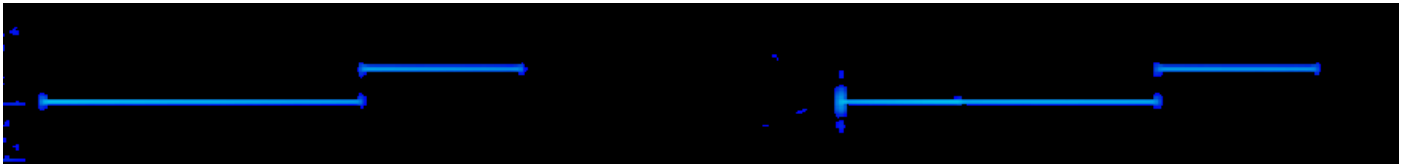
15709/13541/10529 kHz, 26-09, 1330/1340/1350 UTC

11166 80214 61290 26018 00049 00000 00000 00000 00000

X06 - Mazielka



161666 before E07a



111166 before E07a

12319 kHz, 05-09, 0737 UTC	X06b	Sequence: 666666
11450 kHz, 05-09, 1109 UTC	X06b	Sequence: 111666
11449 kHz, 05-09, 1146 UTC	X06b	Sequence: 666666
11449 kHz, 05-09, 1232 UTC	X06b	Sequence: 666666
9064 kHz, 07-09, 1256 UTC	X06b	Sequence: 111666 before E07
9120 kHz, 13-09, 0812 UTC	X06b	Sequence: 111666
9340 kHz, 13-09, 0901 UTC	X06b	Sequence: 111666
14863 kHz, 13-09, 1027 UTC	X06	MFA Moscow clg 615243: Russian Permanent Mission to the United Nations Office, Geneva
14373 kHz, 16-09, 1425 UTC	X06a	Sequence 353535 before XPA2
14373 kHz, 16-09, 1426 UTC	X06b	Sequence 111666 before XPA2
14373 kHz, 16-09, 1430 UTC	X06a	Sequence 353535 before XPA2
14373 kHz, 16-09, 1433 UTC	X06b	Sequence 111666 before XPA2
14373 kHz, 16-09, 1435 UTC	X06a	Sequence 353535 before XPA2
14373 kHz, 16-09, 1435 UTC	X06b	Sequence 111666 before XPA2
14373 kHz, 16-09, 1436 UTC	X06b	Sequence 111666 before XPA2
11450 kHz, 19-09, 0855 UTC	X06b	Sequence: 111666 i.p. Ended at 1125 UTC
10820 kHz, 19-09, 1134 UTC	X06b	Sequence: 111666
17468 kHz, 19-09, 1330 UTC	X06	MFA Moscow clg 436512: Russian embassy Harare
10583 kHz, 20-09, 1440 UTC	X06b	Sequence: 111166 before E07a
10583 kHz, 20-09, 1445 UTC	X06b	Sequence: 161666 before E07a
10583 kHz, 20-09, 1449 UTC	X06b	Sequence: 161666 before E07a
9064 kHz, 22-09, 0502 UTC	X06b	Sequence: 111666 before E07
10229 kHz, 23-09, 0736 UTC	X06b	Sequence: 666666
10814 kHz, 25-09, 0731 UTC	X06	MFA Moscow clg 412356: Russian embassy, Budapest
13484 kHz, 25-09, 1113 UTC	X06b	Sequence: 116166 before XPA2
13484 kHz, 25-09, 1122 UTC	X06b	Sequence: 111666 before XPA2
14863 kHz, 27-09, 1005 UTC	X06	MFA Moscow clg 615243: Russian Permanent Mission to the United Nations Office, Geneva
14825 kHz, 05-09, 1558 UTC	X06	MFA Moscow clg 641523: Russian embassy, Lusaka

XPA1

10862/11571/12216 kHz, 05-09, 0710/0730/0750 UTC

761 761 761 000

03683 00001 00000 35663

10862/11571/12216 kHz, 10-09/12-09/17-09/19-09, 0710/0730/0750 UTC

761 761 761 1 761 761 761 1 761 761 761 1

08733 00113 30757 78052 13832 67503 61896 37802 78961 84094

66614 70402 04475 12632 47910 61890 34715 68637 92413 06380

81062 78813 01278 64169 87933 60547 57233 19387 79065 91857

45038 38059 50181 08402 19333 87069 45755 83654 86975 28144

62784 13959 73408 12155 66674 37054 25215 06130 79608 42690

98548 98794 98808 14893 10019 78581 53909 83092 67674 40642

60076 74010 88465 81772 64107 72725 61469 40955 17393 69826

77968 67477 75712 94165 31917 05750 94485 37679 59246 68522

43929 07393 39734 00006 28402 97722 54757 87118 46815 52553

73512 90501 10040 79028 91916 57104 96691 57349 54565 65164

81396 35896 49407 91336 99940 87836 30309 85372 99390 40034

75016 69702 33962 39802 32479 32764

10862/11571/12216 kHz, 24-09/26-09, 0710/0730/0750 UTC

761 761 761 1 761 761 761 1 761 761 761 1

08083 00090 67331 57823 36471 59849 10243 30147 08586 95690

01390 31038 76996 50758 04744 76735 69954 82197 48689 90222

10788 10198 13150 57943 68669 50609 42164 27448 35040 80123

04677 13699 18897 51354 84558 99177 53032 19779 64495 41166

16582 14745 05244 16202 55984 33768 68544 70352 02720 27748

02931 87100 27515 79554 68978 96049 78326 87739 35480 08212

85345 23193 79523 82523 20475 24550 05500 48160 65487 05522

09729 05400 41528 25257 36493 92303 98353 42150 83039 43585

88243 17363 75714 89414 13823 97822 53737 01260 41209 50663

76111 84490 23141

XPA2

15859/14659/13459 kHz, 05-09, 0910/0930/0950 UTC

09472 00050 10879 33679 91342 90015 74338 12181 60092 75076

93228 41666 83272 46274 60761 38778 07741 75230 31921 38057

77042 54395 46232 20718 96317 55037 26149 58452 77178 29126

44235 15523 88521 13951 17412 42612 30667 79705 56445 47699

56680 34625 71469 21786 24853 27568 69574 92307 28791 78450

12780 11796 33670

13887/13387/11587 kHz, 05-09/17-09/19-09, 1600/1620/1640 UTC

00157 00103 98952 99525 37829 39134 55784 65718 73725 79706

57215 70242 52615 51200 40162 10913 27395 02066 41152 28554

39793 93889 63902 81936 12517 66891 19871 56983 67079 95470

96757 99714 35138 61378 35892 12911 46149 78757 00209 14821

05552 59524 11450 44043 82354 72294 43127 47402 33117 77554

67812 13199 60479 94873 02671 22585 04324 40444 65898 79715

72469 78461 31275 53258 53129 69359 39346 78126 83681 40486

78339 70291 16461 94584 58065 49941 55976 74916 90856 89620

96183 93290 15409 51141 81983 14397 78118 20973 44239 69609

12154 61322 60488 60513 97533 81209 47223 74405 59694 03618

54086 24064 40366 42338 40519 16024

13484/14684/15984 kHz, 06-09/11-09/13-09, 1200/1220/1240 UTC

08568 00108 55833 37552 44503 33265 07530 12405 91552 07749
96690 89989 48972 91394 98337 28450 04050 46732 87755 04185
55725 27318 13593 04518 67481 95592 71778 37450 53016 29855
32377 67546 04059 70467 29987 03849 07175 00862 98609 40112
80426 49230 36361 92435 68084 12628 55460 33264 08148 25507
58765 73983 16993 98375 69048 46328 22014 16258 15122 33757
79467 83719 23016 54122 16345 08625 23823 62583 65797 80536
27914 90352 70358 35417 21689 84069 63379 12028 14770 60827
85843 54496 68480 49673 11754 58952 26873 11073 17681 90260
92311 85149 89547 51712 38577 78280 88232 81641 60346 62255
13985 03009 35665 01916 81940 44862 33270 40080 87393 57909
61325

14373/13373/11573 kHz, 07-09/14-09/16-09, 1500/1520/1540 UTC

09859 00194 83067 00308 36234 37054 72288 15588 51974 86607
70085 06348 02113 99209 79532 16054 49158 32949 99881 56230
00861 20505 10574 72376 39397 52857 35250 13944 52597 33674
74691 41303 88389 13431 78899 04818 20119 13230 21250 12029
73849 47294 56107 49735 45009 54519 60820 56637 76378 23766
74850 19933 42747 75835 28853 76114 61639 49775 85276 78218
94602 15466 94053 39744 38061 68924 95512 94444 81858 89767
93707 50143 10348 62669 61495 84943 71206 68570 74221 50078
47030 73794 07145 97198 66507 04388 63204 98216 41078 30386
23306 58533 48651 67660 19653 95887 98180 82674 27137 00955
80678 95778 64164 97201 96068 02973 92367 29741 28302 16580
12755 78775 50752 91498 90973 45833 28534 15569 34801 05275
20704 67094 38944 78067 93336 83147 02204 97033 86293 03174
75816 17859 41108 98313 62287 18980 04735 33744 26545 45953
63639 47911 04890 52784 97292 63294 02649 56028 50507 24850
57668 37837 16334 34608 73298 91418 29365 17436 07356 67272
03204 38250 89044 92879 39865 37834 90842 83994 88109 68399
45886 74741 04373 25962 07409 29106 78068 17194 73253 13406
27074 76960 82221 26969 04754 15876 60376 88185 12263 96963
06640 74938 80428 31228 55849 10077 24406

12152/13552/13952 kHz, 09-09, 0700/0720/0740 UTC

05611 00001 00000 34656

18206/16329/15824 kHz, 09-09, 0910/0930/0950 UTC

09945 00001 00000 40265

14373/13373/11573 kHz, 09-09, 1500/1520/1540 UTC

05445 00001 00000 35661

13887/13387/11587 kHz, 10-09, 1600/1620/1640 UTC

02196 00001 00000 34663

12152/13552/13952 kHz, 11-09, 0700/0720/0740 UTC

08903 00001 00000 37260

13887/13387/11587 kHz, 12-09, 1600/1620/1640 UTC

09531 00001 00000 34264

15859/14659/13459 kHz, 14-09, 0910/0930/0950 UTC

01443 00001 00000 34655

13914/15814/16314 kHz, 15-09/17-09, 1200/1220/1240 UTC

08115 00108 34202 50425 51379 37744 07521 57135 55140 72322
85243 16763 67829 01316 79243 17316 79687 28870 25757 80961
72147 87505 94227 28443 86834 80341 41097 10551 92735 12480
50604 92798 85036 69711 90468 66011 26808 10670 47706 07215
13827 80024 98973 43317 59920 40455 31572 79704 67665 93901
22310 71940 12610 41403 42754 82517 11977 69125 07697 72439
92061 53002 55492 64814 99597 57556 65250 12905 79910 21227
42277 79258 11205 88749 51212 22575 03899 92127 45953 65521
87944 49449 34580 55493 46912 51446 06049 83942 74479 01687
39968 71849 51566 29885 75239 02815 66586 59987 32490 56623
48185 66404 89851 50618 62548 12796 99608 19850 87979 39520
11270

12152/13552/13952 kHz, 16-09, 0700/0720/0740 UTC

04650 00001 00000 34261

18206/16329/15824 kHz, 16-09, 0910/0930/0950 UTC

00356 00089 80057 60846 29860 04701 32456 96808 23709 39227
77589 76542 76010 52209 06564 48267 98793 45688 74145 65656
30988 92776 20770 70306 52512 84984 50764 17954 08384 37561
22937 21503 85197 51791 44413 02193 98431 66327 04779 87991
15950 28879 68554 06158 17648 12233 87797 52583 50475 71860
85737 44404 96729 41296 90500 89970 55447 64126 68175 19265
21113 85926 89625 32703 24921 58438 20770 54628 88780 51651
68906 74761 05832 39436 74530 78449 79947 47891 06043 88139
76788 37124 60041 20398 54726 26645 22210 86774 94937 85910
89839 23350

13484/14684/15984 kHz, 18-09/20-09, 1200/1220/1240 UTC

05922 00042 17946 54433 27796 16169 65417 28520 08983 07543
28519 17553 98446 67317 75541 21770 25125 38811 48401 10195
13457 91375 24756 04720 09312 28472 24034 22544 59755 84019
75549 50591 56008 00222 43054 92000 24654 03806 02186 86385
14854 77860 50031 99280 01560

15859/14659/13459 kHz, 19-09, 0910/0930/0950 UTC

06751 00001 00000 35263

15859/14659/13459 kHz, 21-09, 0910/0930/0950 UTC

06265 00001 00000 34664

14373/13373/11573 kHz, 21-09, 1500/1520/1540 UTC

07106 00001 00000 34657

13914/15814/16314 kHz, 22-09/24-09, 1200/1220/1240 UTC

00261 00100 47755 11380 97939 22151 73032 52453 48902 74700
84213 61775 41596 59868 80573 15035 76908 13999 65420 79707
41084 97609 95945 70292 82453 07246 64607 70926 73740 10705
42673 62459 86532 20554 04114 66277 12054 08320 89903 89565
75783 02433 78173 98377 61299 34590 74926 97296 42984 56781
74765 15657 84326 67829 99316 93511 52955 61023 70143 86580
50341 64445 14208 93470 95228 82976 84782 16144 59174 92422
35725 80055 53510 62838 71815 12482 08402 62353 24527 01453
60514 43721 41705 61879 15699 49365 89515 44512 90524 60390
50398 57129 60684 53964 89447 58622 16801 63846 70911 50168
99569 92236 33520

12152/13552/13952 kHz, 23-09/25-09/30-09, 0700/0720/0740 UTC

00643 00098 46397 34103 10339 73413 75787 28357 52487 16181
21923 45639 25255 59457 64707 60272 93354 68965 32473 84360
34022 13537 11370 11714 15466 95237 08474 57990 18333 20981
57952 74428 13381 50287 71728 68707 63826 12866 00772 97088
97812 72272 01698 71091 05778 37252 14151 67145 15796 73777
54626 15040 73633 41799 25156 24894 06352 12436 87888 34165
09720 07920 29417 98981 82584 16247 99247 15001 76630 61036
13549 98483 77183 78703 16797 10220 84167 10118 76830 07761
67268 04710 92435 95250 19041 60789 86578 45771 36809 93130
96390 23001 86783 54473 03784 09560 54724 34162 02051 31028
62110

18206/16329/15824 kHz, 23-09, 0910/0930/0950 UTC

06460 00001 00000 32264

14373/13373/11573 kHz, 23-09, 1500/1520/1540 UTC

08594 00001 00000 35671

13887/13387/11587 kHz, 24-09, 1600/1620/1640 UTC

02144 00001 00000 33656

18206/16329/15824 kHz, 25-09, 0910/0930/0950 UTC

07619 00001 00000 40660

13484/14684/15984 kHz, 25-09/27-09, 1200/1220/1240 UTC

07722 00100 78050 37759 16062 62819 35130 66291 62734 31149
59396 20787 22847 63538 91442 18410 04419 05675 84126 53693
52178 11392 53966 68511 68182 97691 47119 65987 32775 10345
89189 32584 18916 47667 35636 20513 41160 64958 34846 15194
04219 33129 36947 47305 33961 92927 78658 69522 32954 42292
53642 04151 73865 05996 47991 03213 45186 18263 68582 57734
78322 10055 24680 25306 83425 52680 14171 15155 89422 17114
89543 32297 85393 60394 09017 02930 27326 13947 79862 32475
23697 91465 62439 56262 93226 02678 22748 71668 92350 27357
95661 55288 44432 04555 29442 29752 27476 51512 77022 51512
45342 66060 64553

15859/14659/13459 kHz, 26-09, 0910/0930/0950 UTC

06718 00001 00000 40657

13887/13387/11587 kHz, 26-09, 1600/1620/1640 UTC

02040 00001 00000 31256

14373/13373/11573 kHz, 28-09, 1500/1520/1540 UTC

05388 00001 00000 36665

13914/15814/16314 kHz, 29-09, 1200/1220/1240 UTC

07381 00096 80994 40069 04903 14848 43836 22198 81401 67549
39816 58636 13461 95161 60957 98198 04940 65937 09950 57591
73822 71804 44266 26851 36164 97159 22053 60241 79276 13352
81712 69401 24393 24966 96254 87333 32935 50887 14889 69864
90680 52015 32699 14060 63539 74579 20538 92797 60688 98073
57512 92347 24476 33063 52660 31406 21618 01930 09089 13012
40329 59435 92966 26001 21776 75664 90831 23047 16154 54389
17225 39441 12967 04559 52628 98516 40134 85227 62608 75805
53557 22278 15195 10180 60128 09040 13096 31441 90190 43526
91235 83392 98829 09782 27569 41643 63551 74894 12443

18206/16329/15824 kHz, 30-09, 0910/0930/0950 UTC

04440 00001 00000 33260

14373/13373/11573 kHz, 30-09, 1500/1520/1540 UTC

09216 00001 00000 35262

XPB1

Fixed schedules

12139/10939/9339/8139/6939/5839 kHz, 01-09, 1900/1910/1920/1930/1940/1950 UTC

12139/10939/9339/8139/6939/5839 kHz, 03-09, 1900/1910/1920/1930/1940/1950 UTC

12139/10939/9339/8139/6939/5839 kHz, 08-09, 1900/1910/1920/1930/1940/1950 UTC

12139/10939/9339/8139/6939/5839 kHz, 15-09, 1900/1910/1920/1930/1940/1950 UTC

12139/10939/9339/8139/6939/5839 kHz, 17-09, 1900/1910/1920/1930/1940/1950 UTC

12139/10939/9339/8139/6939/5839 kHz, 22-09, 1900/1910/1920/1930/1940/1950 UTC

12139/10939/9339/8139/6939/5839 kHz, 24-09, 1900/1910/1920/1930/1940/1950 UTC

12139/10939/9339/8139/6939/5839 kHz, 29-09, 1900/1910/1920/1930/1940/1950 UTC

14462/13962/13462/12162/11562/10962 kHz, 14-09, 1200/1210/1220/1230/1240/1250 UTC

14462/13962/13462/12162/11562/10962 kHz, 16-09, 1200/1210/1220/1230/1240/1250 UTC

14462/13962/13462/12162/11562/10962 kHz, 21-09, 1200/1210/1220/1230/1240/1250 UTC

14462/13962/13462/12162/11562/10962 kHz, 23-09, 1200/1210/1220/1230/1240/1250 UTC

14462/13962/13462/12162/11562/10962 kHz, 28-09, 1200/1210/1220/1230/1240/1250 UTC

14462/13962/13462/12162/11562/10962 kHz, 30-09, 1200/1210/1220/1230/1240/1250 UTC

Also heard were the following transmissions. These might be exercise messages or part of other fixed schedules.

16353 kHz, 24-09, 0429 UTC

15829 kHz, 24-09, 0439 UTC

14957 kHz, 24-09, 0449 UTC

6138 kHz, 24-09, 0629 UTC

DIPLOMATIC STATIONS

North Korean diplomatic stations

14410 kHz, 05-09, 1328 UTC, DPRK-ARQ 600 LSB

13999 kHz, 05-09, 1330 UTC, DPRK-ARQ 600 LSB

12203 kHz, 19-09, 0741 UTC, DPRK-ARQ 600 LSB

14999 kHz, 20-09, 1419 UTC, DPRK-ARQ 600 LSB

14418 kHz, 20-09, 1423 UTC, DPRK-ARQ 600 LSB

12203 kHz, 21-09, 1210 UTC, DPRK-ARQ 600 LSB

12222 kHz, 21-09, 1334 UTC, DPRK-ARQ 600 LSB

12203 kHz, 26-09, 1225 UTC, DPRK-ARQ 600 LSB

12207 kHz, 26-09, 1225 UTC, DPRK-ARQ 600 LSB

12209 kHz, 26-09, 1225 UTC, DPRK-ARQ 600 LSB

Egyptian diplomatic stations

8135.7 kHz, 10-09, 1937 UTC, SITOR-A 100/170

MFA Cairo clg OOVp: Egyptian embassy Islamabad

13556.7 kHz, 16-09, 0736 UTC, SITOR-A 100/170

Egyptian diplo i.p. ending with ODSWJ KDPAKJ DSW 1 HS 17 +? HUXD KY HUXD +? followed by Codan 16-tone traffic

12226.7 kHz, 21-09, 1149 UTC, SITOR-A 100/170. Egyptian diplo i.p.

C54 86E47 77104 12BF4 6A11C 75B07 04234 52504
8C723 E1648 6CFFB AB7C6 408CC 0D69A 00036 2F203 E6050 F0933
CB736 B2E8A 3A685 AB0E0 CB603 E820E 7DF0A 86831 67B54 B9265
7F7A9 CDD6D 0E73A BD409 68E45 93886 EDB92 99B74 578CF 3A363
444BC 6132A F24C9 73EF9 CB71E 2A4F1 C4E35 28AA6 DB037 E0D79
1650E 11E03 143F6 FB7BA 9F49D 08124 75965 6A75E 3C7AA CF22F
6A525 21649 73646 BD0D4 CF595 C3A26 B2B3A 58478 7B650 99F71
D58D6 21C8E CC2CA C12E8 0C90A BCD0D BC2CA F22CE A7478 C6752
1CFAA A0D1B 2105E 12C89 FFB45 08C9D 45500 C106F 856FE E6923
28E70 950E9 AD37F 0314D 2A408 E3E2B C72DA DBA50 247D7 8B455
B5331 640DF 64201 0677B 9AC0C 2DE58 7204C FF6C0 F34AE 49911
295E4 268F6 B7E86 5E71D A8AC7 706F2 F5923 AFAD6 DFE50 30174
880BE 6AF69 45975 2DBA
NNNNNN

14622.7kHz, 27-09, 0955 UTC, SITOR-A 100/170

Egyptian diplo i.p.

UTILITY ROUND-UP

North Korean Military

3666 kHz, 08-09, 1611 UTC,CW

VVV 1T9 de 9L4 QRU

VVV 1T9 de 9L4 QRU

6262 SK

North Korean Navy

4165 kHz, 08-09, 0900 UTC, CW

4XH QRK 1 QTR 1515 QTO QTH QTH 4207/13027

NIL

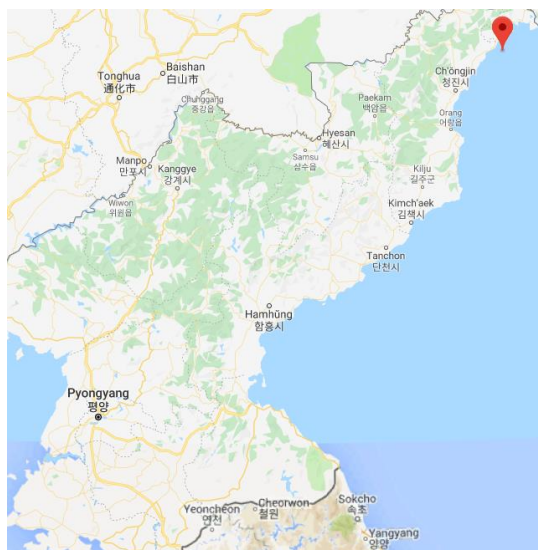
QTH NR 4207/13027

Location: <https://goo.gl/maps/PfV35AkiK7t3UBiPA>

4165 kHz, 08-09, 0905 UTC, CW

HZ6 DE HOP QRU ? HOP QRU 1 QTH NR 2/1

NIL GB



Japanese Air Force

5055 kHz, 08-09, 0950 UTC

3195 kHz, 08-09, 0955 UTC

2671 kHz, 08-09, 1000 UTC

2685 kHz, 08-09, 1000 UTC

3210 kHz, 08-09, 1000 UTC

3195 kHz, 08-09, 1010 UTC

3587.5 kHz, 08-09, 1010 UTC

JJT88 wkg JJT20 JJT55 JJS21 JJV56 JJZ37 JJT44 JJU22

JJT88 wkg JJT20 JJT55 JJS21 JJV56 JJZ37 JJT44 JJU22

JJU22 wkg JJU33 JJU55 JJZ44

JJT44 wkg JJT30 JJT88 JJW35 JJV89 JJV40 JJW46 JJS76 JJT99

JJT88 wkg JJX25 JJX36 JJZ59 JJZ48 JJZ26

JJT88 wkg JJT20 JJT55 JJS21 JJV56 JJZ37 JJT44 JJU22

JJT88 wkg JJS21 JJR20 JJT77 JJT22 JJT46

3852.5 kHz, 08-09, 1015 UTC

JJZ37 wkg JJZ82 JJX58 JJX47 JJZ71 JJZ50 JJZ93 JJZ60

CQ de JJZ37 QRK ? K

CQ de JJZ37 QRX 07 0900

All out stations respond with "R VA"

2356 kHz, 08-09, 1020 UTC

JJS21 wkg JJR75 JJS65 JJS54 JJR64 JJR31 JJR42 JJR53

3691 kHz, 08-09, 1020 UTC

JJT88 wkg JJT20 JJT55 JJS32 JJT33 JJV23 JJV90 JJT44

3650.5 kHz, 08-09, 1030 UTC

JJT88 wkg JJV34 JJV56 JJT66 JJV67 JJW24

Callsigns

JJF3 Funakoshi

JJF20 Tokyo

JJR20 Chitose

JJS21 Misawa Airbase, Misawa

JJS32 Matsushima

JJT33 Hyakurigahara

JJT44 Irumagawa

JJT55 Fuchu

JJT66 Kumagaya

JJT88 Tokyo

JJU22 Asahikawa

JJU33 Yozadake

JJU55 Miyaoshima

JJU66 Kume Shima

JJV23 Komaki

JJV34 Shizuhama Shiz

JJV56 Hamamatsu

JJV67 Gifu

JJV90 Komatsu

JJW24 Nara

JJX25 Miho Air Base

JJX36 Bofu

JJZ26 Nyutabaru

JJZ37 Itazuke

JJZ44 Okinoerabu

JJZ48 Tsuiki

JJZ59 Ashiya Fukuoka

Japanese Army

2590 kHz, 08-09, 1030 UTC

ÂOÇZ wkg 20 outstations : ÂMÛÛ, ÂMÛÇ, ÂZÂM, Â..., ÂÛÇÂ, ÂÇPÇ, ÂDÇÛ ÂRÛM, ÂPÂR, ÂÛÇÛ, ÂMÇÇ, ÂÇKM, ÂZÇU, ÂÇÛD, ÂZÇR, ÂOÛR, ÂÂÂD, ÂSÛO, ÂÂÇD, ÂPÛZ – « ÂJÂS (Collective callsign)

2421 kHz, 08-09, 1000 UTC

PÛÛR wkg 11 Outstations : PÛÂZ, PÇPÇ, PÂMP, PÂDÇ : PÛPÛ, PÛVZ, RÛSÛ, PÛÇP, RÛÂM, RÛDÂ, RÛÛÇ, PÂÂR

Unid stations

3947.75 kHz, 12-09, 2015 UTC. Logged by JPL.

Probably Chinese military.

MSG MSG CK 17 CK 17 =

TT7 36A T4N U6U 6DA T43T 35D NU5 5NA 5NA (Faded)

AR AR AR

MSG MSG CK 17 CK 17 =

TT7 36A T4N U6U 6DA T43T 35D NU5 5NA 5NA

T56 TNTT 636 4NA A7TT 4NA 636 AR AR AR

MSG MSG CK 17 CK 17 =

TT7 36A T4N U6U 6DA T43T 35D NU5 4NA 5NA

T56 TNTT 636 4NA A7TT 4NA 636 AR AR AR

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
04-09	1802	Sanctify	30 chr EAM for Grip BLNLUT 4KPAHBSJUS647VNWBPVNDU
04-09	1817	Sanctify	30 chr EAM 2SI4BO 2NA5FGOTAZANYKSAUYJPH2OA
04-09	1846	Sanctify	30 chr EAM for Grip BLG3G2 DBYBUBKCPCZJOC1534NDPDJD
04-09	1902	Sanctify	30 chr EAM 2SI2HL 7HMKNHLP6WY6LOCZOZJOPOQQ
04-09	1945	Sanctify	30 chr EAM 2SND7I F7WBFJABK7IFAB7ZS5GZFHEY
05-09	0015	Encourage	30 chr EAM for Boulder BLGV3Q 532HWHI7235XJUKSIQXCSNVX
05-09	0018	Encourage	30 chr EAM BLYGHM SEN3HO6WH5RKGAUWZ5T76D47
05-09	0025	Encourage	36 chr EAM BLMY7P XEXJHY7HQU4ZG6GN7LZFYK5ZFPESH

05-09	0034	Encourage	36 chr EAM BLQHVA XG62B6AVBNCVZ6X5VCSQHHA7CIPVTR
05-09	0048	Encourage	30 chr EAM 2SB7JF 46PR5BHT463PUUXQFWKLGBDP
05-09	0112	Encourage	47 chr EAM BLAOE3 YKLXNIFINUCNPJU4JR5LI6WMBUCQBZLI6V2CINU52
05-09	0532	Encourage	40 chr EAM BLBJFY VSZDN4K4EK24DQ7VSTS3Y22U6VTKNWVL6U
05-09	0537	Encourage	36 chr EAM BLEWGU ETRP4USNE2K3SS6OPGKDEARHO7KHVE
05-09	0613	Encourage	30 chr EAM for State Park?, for Curtail BLTZAG LQWM5XCOQXY253IDFEKQRSHI
05-09	0638	Encourage	30 chr EAM 2SRBJB 4E4IU2RYFAUD622LJZZTLCUX
05-09	0702	Encourage	30 chr EAM 2SNJKH WLAGDZU4TNDYM2LPKJA2UBOD
05-09	0704	Encourage	30 chr EAM 2SSI4K YBUUJK6BG4U7HIAGPY3CYMZK
05-09	0726	Encourage	30 chr EAM BLN3N7 LDVXAPXMBZMAV7OKJ2W2N5WH
05-09	1233	Encourage	30 chr EAM for Aphid BL7UO AZ4NUVF5ANKTLLW5ASTFCWX
05-09	1334	Encourage	30 chr EAM for Aphid BL3IIO Z4GT7RIFAN4H6FYZ364YBNYW (multipath reception echoes and fading)
05-09	1401	Encourage	30 chr EAM for Aphid BLPB2C FZUSZPMYACPYSA4QEUUPUSJY
05-09	1538	Encourage	30 chr EAM BLDUXY OROFOGQ3HLS5NEMS3KQHYAVG
05-09	1747	Encourage	30 chr EAM for Earth BLCAO4 HJUCWAB4NHVO6PMFJMF2H447
05-09	1802	Encourage	30 chr EAM for Aphid BLVXEJ K3NA7WP2MCZMEAMS522VOTAF
05-09	1816	Encourage	30 chr EAM 2SIKKK W2XLP6ECPV6NH66XLSUL7PQW
05-09	1847	Encourage	30 chr EAM for Aphid BLGZUA VLKLISE5FYHDVRNJERE5G6AF
05-09	1932	Encourage	30 chr EAM 2SEOWH EN7YEHD3U2FBHSTL5EKUJNEL
05-09	1937	Encourage	30 chr EAM 2SEOWH EN7YEHD3U2FBHSTL5EKUJNEL
05-09	2056	Encourage	30 chr EAM 2SMYEW 7WOAZXKPC3UDQK7WQH4CYLUZ
05-09	2129	Encourage	30 chr EAM 2SJAPX H66AH43C67KIRRFQ444E5XCW
05-09	2132	Encourage	30 chr EAM 2SMYEW 7WOAZXKPC3UDQK7WQH4CYLUZ
05-09	2139	Encourage	30 chr EAM 2SLJE PMOOS3OOJNUCRXNGG4IX3WP6
06-09	0000	Checkroom	43 chr EAM BL57Z6 YX4PH42HHZVJCRZ3C3SHZHI7SXVIAWC3BAGS6
06-09	0014	Checkroom	36 chr EAM BLWD6U KAYZI5SJITQHTA3ZADSJLELSOGBV7
06-09	0028	Checkroom	30 chr EAM BLQBON EE2ZKX526FAJDXZFJICCFKZI
06-09	0032	Checkroom	30 chr EAM 2SAD6Z UVWD33GC7IJFT2VHSHWHWBYIK
06-09	0042	Checkroom	30 chr EAM 2SQ4NE 6PNPPTWC7Q7RMXBFQALD2ZKF
06-09	0059	Checkroom	30 chr EAM 2SQBKX S446A3M5JRLV2ELIC46WA7KU
06-09	0554	Checkroom	30 chr EAM 2SNNJE T5BVDNDP7QEVMSRU4CSMHVF3
06-09	0601	Checkroom	30 chr EAM 2SYJBI A6T2HRKPFF2BMOFTKKFSJBKT
06-09	0627	Checkroom	30 chr EAM 2SEILL QEQHKVUC2IUWUUFYNX3S2WVR
06-09	0633	Checkroom	30 chr EAM BLEQZF ADO6BES4Z6MMIGRTZBA342NN
06-09	0644	Checkroom	30 chr EAM 2SLYT6 3UWA6QFIPRGX22ZICHMOHSRD
06-09	0647	Checkroom	30 chr EAM 2S2BWN L7N6SBH2SW6PVNRPH7RLVSH4
06-09	0703	Checkroom	30 chr EAM 2SKWCU TV6HPGMQDR6GPXSRMSCJMQIY
07-09	0013	Macaroni	36 chr EAM BL2V4A 325DPPNDGGTBES2YMV3KIF6DEJQQNE
07-09	0040	Macaroni	30 chr EAM 2S3JBR NDITAVJBUFU6TJ5UOSJIYDQF
07-09	0045	Macaroni	30 chr EAM 2SNKZF QPRXYBILTVAZOI226TJN3WY4
07-09	0108	Macaroni	30 chr EAM BLFPHU WO3XRE73YLO53I2NU4JU4FYO
07-09	0118	Macaroni	30 chr EAM 2S4DON YKCEJR2Y46DRRBNEE7Z4ENTS
07-09	0122	Macaroni	30 chr EAM 2SIXGB CRFSBQPREZUEWEWTKNPEH2W
07-09	0131	Macaroni	30 chr EAM 2SUVZQ K6IVHEZN4JL3OLND5HWKNRZ
08-09	0133	Conquest	30 chr EAM 2SMMFY KMM7EX5MABEF7EWMGYKMWCLZ
08-09	0602	Conquest	30 chr EAM 2SYWCL X4BUL7WP5WNDJOD6PB2TF43D
08-09	0610	Conquest	30 chr EAM 2SHIOI XDXNZNYXXGGOFVFDW4BIADUH
08-09	1317	Conquest	30 chr EAM BLNVFZ KINHJUDKIVKZTXCMC63T2FMF
08-09	1324	Conquest	30 chr EAM 2SKRYY WYNHTYFOPITKD7MJLXQMDJSI
08-09	1334	Conquest	30 chr EAM 2SCVZ4 DXPHAQJ4WA75LYSILTOJ2XIK
08-09	1355	Conquest	30 chr EAM for Outlay BL2OFF WZD3LX267TL7C74TRFMV35TZ
08-09	1932	Conquest	30 chr EAM 2SKTGW XZOIQN6WY7G4DFN3MNF BXRIU
09-09	0541	Piece Work	30 chr EAM 2SOIW2 YEYKGANEMIBVTGS6FDPB7EQX
09-09	0544	Piece Work	30 chr EAM 2SXZAO R5HKE54V2YTZP7ZU5ZKC4JZU
09-09	0550	Piece Work	30 chr EAM 2SR5AG 7VICUBDG3NGX4EZROOINOPH4
09-09	0557	Piece Work	30 chr EAM 2SR6DW NWIGTTNDJIXDW5OSXU4IOKTD
09-09	0612	Piece Work	30 chr EAM 2SJ32P UYGIRUJ2NOEIPCS2VZGZU4LF
09-09	0614	Piece Work	30 chr EAM 2SZMTQ TCHDRFWKAQRQFDJJYN3HTK6C

09-09	0620	Piece Work	30 chr EAM 2S7JEQ EUWCJ664QF7INIBT63BFJNAQ
09-09	1316	Piece Work	36 chr EAM BLW7L6 IN3PXTTWY4NSJUTRCJD2KPZ45FKMLL
09-09	1316	Piece Work	30 chr EAM for Dairy Case BLLUJ5 JAKUGRJ5MRJXM7LG5FJD47MR
09-09	1447	Piece Work	30 chr EAM for Dairy Case BLPDYR JUDXQVO44U27MRZMEPZNOIXV
09-09	1722	Piece Work	36 chr EAM BL5VCO XIYP4W2FNFKJLBRGVDGMFYR3HTVEGP
09-09	1910	Piece Work	30 chr EAM 2SAIGA UK4CQVUAIYUPXF6ITGJXEHEGV
09-09	1919	Piece Work	30 chr EAM 2SMFNO GXRPSYFDFBKOA2VBT3NSGPQ
09-09	1948	Piece Work	30 chr EAM 2SJM2B KHHWBECH22ERFU5WSYPVKRTO
09-09	2035	Piece Work	30 chr EAM 2SMT5C ULI6L6XOQDFIXWJ7Q6TBSECD
09-09	2237	Piece Work	30 chr EAM for Dairy Case BL3J3G SVKDMTBTG2VKZAB6ERZVGOBO
09-09	2316	Piece Work	30 chr EAM for Dairy Case BLBKEP 3JNYLIFBQOZZ5FZ762BAOM4S
10-09	1135	Jewel Tree	30 chr EAM for Area BL4OPF ANDEW7MJRKEJ6SHL7YT6VUTD
10-09	1140	Jewel Tree	30 chr EAM for Area BL4OPF ANDEW7MJRKEJ6SHL7YT6VUTD
10-09	1156	Jewel Tree	30 chr EAM for Area BLFOAR MLTWM27F5RUSTXJ4RC64AXDL
10-09	1237	Jewel Tree	30 chr EAM for Area BLDIQ7 A53SWXDFLACHJPP5WT5JVJGO
10-09	1248	Jewel Tree	30 chr EAM for Area BLLP7P R53XJLPDCZN274C4P4CWGLT2
10-09	1335	Jewel Tree	30 chr EAM 2ST3GZ YZPHZBQ6GTEQXNJYBPK4VIOB
10-09	1451	Jewel Tree	30 chr EAM for Region Charlie, for Mountain BLNZUD 07NXNCF7VNZ4BNZAVVN3D6JM
10-09	1528	Jewel Tree	52 chr EAM BLSEQF CMQPYRL6LIYCZYXGSHLXKSGOGPYTYVGONYA7DN3PID4OME
10-09	1548	Jewel Tree	30 chr EAM BLGFUE KQEQIEBIHEHMGYHCTGZ6TEY3
10-09	1616	Jewel Tree	30 chr EAM 2SNIAP N6YCP3PHWG4KIXGJ4ERZ24J7
11-09	0212	Dogmatize	30 chr EAM 2SZ3HV ZWJPURG5CVAUDV632YLA4RVB
11-09	0604	Dogmatize	30 chr EAM 2SAOOR OBSYXCGYQHOTF3K4OM32OLBH
11-09	0608	Dogmatize	30 chr EAM 2SCRZ7 AF4L4UXXPNADYN5R4KBWLRKU
11-09	0611	Dogmatize	30 chr EAM 2SPN46 SDNDJ3LTVCLTXVGO246CTVYE
11-09	0615	Dogmatize	30 chr EAM 2STG7H IXD4UX5IOABA5MAYWBIQPO7E
11-09	0628	Dogmatize	30 chr EAM 2SI56V I6TSGZHHTL44AQHUGLIY4W6K
11-09	0632	Dogmatize	30 chr EAM 2SI56V I6TSGZHHTL44AQHUGLIY4W6K
11-09	0634	Dogmatize	30 chr EAM 2SIO4U JBHZ4OCI742R36ZZNOTWSM46
11-09	0636	Dogmatize	30 chr EAM 2STG7H IXD4UX5IOABA5MAYWBIQPO7E
11-09	1006	Dogmatize	30 chr EAM for Condone? BL5FS2 4OLBX5QKDNEMOKD2UCVV2RAY
11-09	1021	Dogmatize	30 chr EAM for Condone? BLLID6 NJHHGS5V325XMPSHPRNKAAAN
11-09	1036	Dogmatize	30 chr EAM for Condone? BLWGCK 5BQO6LV2QM7ZTSL2ORU4SWP
11-09	1427	Dogmatize	30 chr EAM for Baguette-52 BL5XCN WGWIEQTUYUQJAPA6HTSN7TTI
11-09	1518	Dogmatize	30 chr EAM 2SWPB7 LLRBHRBMZY7CFVXQ6DSYPTRM
11-09	1634	Dogmatize	36 chr EAM BL6QOD OJ7PKOQC6QBLVRAYZ3Z6AW4A7C5PEG
11-09	1647	Dogmatize	41 chr EAM BL5CWZ FKX37ZTRBAVOJDCABTUCAVGPOYQCM6RPJO7
11-09	1740	Dogmatize	36 chr EAM BL4K6W AOQFM5YCOETQV7F3ZJT6YKRQI2DUMO
11-09	1804	Resettle	30 chr EAM 2SYIGZ AE3ICCP36KOV2KVZA5WFXLVO
11-09	1811	Dogmatize	116 chr EAM YIAHG4 5SP6AQAX2IJP7ZSYUJKBYKAGD2GEF60UA4CJO6B4ZIZIOX63FZPXCCCCVDYDEBYGEZURIJZJZORR RRP7A53E2K3VEZQZFQFZWVWWGHOQRQWNU
11-09	1937	Resettle	30 chr EAM 2S7NLV BPNEH4263YPHWFIN6PIESU32
11-09	1949	Dogmatize	30 chr EAM 2SKCWS FN4JTCDUGNAP7NQVLOHKHDFW
11-09	2004	Dogmatize	30 chr EAM 2S5FV6 RQCXZU33J4RVVUYT5NSQNMKD
11-09	2008	Dogmatize	30 chr EAM 2SQDLI E2JMMHEY5AV2EYJZJNZAF2RD
13-09	0136	Grass Fox	30 chr EAM 2SLZV3 TP46RFBERKB7CLUKJAS2BKE2 (multipath reception echoes and fading)
13-09	0141	Grass Fox	30 chr EAM 2SLZV3 TP46RFBERKB7CLUKJAS2BKE2 (multipath reception echoes and fading)
13-09	0236	Grass Fox	Skyking message: Cup? time 36 auth IA (very weak)
13-09	0547	Grass Fox	30 chr EAM 2SPSPB 3B5UDDXL7C3DQWDV7RIBY42V
13-09	0557	Grass Fox	30 chr EAM TH73SE HEOETLQP52GUY7NRLUNN7Y57
13-09	0612	Grass Fox	30 chr EAM 2SMPED JILW6I6DZ2IQ6MGFDDEGW7JU
13-09	0627	Grass Fox	36 chr EAM THQWOF LKH76CVY4NPFN6XR6XH6ZPJPMQMF
13-09	0714	Grass Fox	30 chr EAM 2S5ASD UUOUTV72AYKSKF6Z6ULOQ3N7
13-09	1736	Grass Fox	30 chr EAM 2SUL7E I2D77F4D7LMOA4QKNDQNR6BJ
13-09	2114	Grass Fox	30 chr EAM for Thread TH5757 3B27YS5XDYIDBJP26XA27SNE
13-09	2148	Grass Fox	30 chr EAM for Thread THXQTJ Y22DANMYUVP6IGIPENW3FJAS
14-09	1625	Dispend	30 chr EAM for Glove THRUQQ WX2RLAP5XXN4ZQHT43LHWSAR
14-09	1655	Dispend	30 chr EAM for Glove THNAC3 PHJ6VSJSFZIB5VPVJZI5UK7B

14-09	2054	Dispend	30 chr EAM for Glove THGL4L D5SXCSJSFEP4ITMUJVJVFESRY
14-09	2114	Dispend	40 chr EAM THLTFQ HD2LNVXP3L4CNJYHL4K72VTOVHWQEY32P3
14-09	2120	Dispend	40 chr EAM THLTFQ HD2LNVXP3L4CNJYHL4K72VTOVHWQEY32P3
14-09	2123	Dispend	30 chr EAM for Glove THKNG4 FCECPSOD4QVKPS6JBMTOTK5V
14-09	2127	Dispend	30 chr EAM for Glove THKNG4 FCECPSOD4QVKPS6JBMTOTK5V
14-09	2233	Dispend	36 chr EAM THDPBX OZYXAWCCBCHZBFBS43GOQ2LXLWAP6
15-09	0523	Deprive	30 chr EAM 2SMZJ7 OAZQSM74KTUO3AKG7OJZVWND
15-09	1150	Deprive	30 chr EAM for Booper? THJCHS TC62APKUECUVKVS2ODLI347N
15-09	1432	Deprive	30 chr EAM 2SEMTU MHSJAL43HYL2ZOXQEF7KZ5GR
15-09	1533	Deprive	30 chr EAM 2SBWYW 74FF3IUXHJBL3WMXVEZE2KLF
15-09	1645	Deprive	36 chr EAM THDBJI 2FRNLZA2IQ5ORCGJFVUWFWCSCP2PDD
15-09	1707	Deprive	36 chr EAM THERJL 7OGWN6GPG5FFX56EF4OTPCTAB36JEL
15-09	2004	Deprive	54 chr EAM YIZ2G3 P7EAX46NFZIQ4ZJWBJK7OWUZXXIHK7MCACQSSSV2FLB37II
15-09	2033	Deprive	30 chr EAM 2S4WQS 226DVU43CBQSMNNC2YS36QKX
15-09	2057	Deprive	30 chr EAM 2SRCFA DQTIAF2HR3AGFKGDVPQOTFSX
15-09	2213	Deprive	30 chr EAM 2SEDAQ T7EJGEWDZXYQF6J55W6LOCR (barely audible due to echoes and fading)
15-09	2232	Deprive	30 chr EAM 2S3DGF ZK4NWHCMKIZWRJODECSMW7O3 (barely audible due to echoes and fading)
15-09	2236	Deprive	30 chr EAM 2SPHMO 3VV73CHONZXNFVCN3SKOPDRZ
15-09	2252	Deprive	30 chr EAM 2SFCY3 ULGYXSTXSYDK64WZ2YJLQA23
15-09	2311	Deprive	30 chr EAM 2SU52P (unreadable)
15-09	2314	Deprive	30 chr EAM 2S3MGR (unreadable)
15-09	2330	Deprive	30 chr EAM 2S3MGR (unreadable)
15-09	2333	Deprive	30 chr EAM 2SU52P (unreadable)
15-09	2335	Deprive	30 chr EAM 2SFCY3 ULGYXSTXSYDK64WZ2YJLQA23
15-09	2345	Deprive	30 chr EAM 2S6O7R SI25IIDPA332SPOH2FFEYWLX
16-09	0515	Prologue	30 chr EAM 2SYHAE WJ74KWIC4M2CNWDDA7K62DY4
16-09	0545	Prologue	30 chr EAM 2SA46W U6EGTTBVESD3Z3JWCJHZNPS5
16-09	0549	Prologue	30 chr EAM 2SMLDB JZXQZYSJLP6XIPVNBCF2LHGR
16-09	0552	Prologue	30 chr EAM 2SYHAE WJ74KWIC4M2CNWDDA7K62DY4
16-09	0554	Prologue	30 chr EAM 2SA46W U6EGTTBVESD3Z3JWCJHZNPS5
16-09	0746	Headgear	30 chr EAM THM7HC OVUYKGWONHELNAFYSSZSLGMLG
16-09	1433	Prologue	50 chr EAM YIYTKL 44JK5NV4JLZL672ILAYPPPUFKSKWSS4WCC4CLCVXNOBK
16-09	1437	Prologue	54 chr EAM YIQFKV OGITVWSRS472LS4PN4D2QLRDDFRH2L2FS2KWWNRFYVCHWGYR
16-09	1547	Prologue	30 chr EAM 2SCNOX PL4ELJTGFAWX7LFR6JFH2O53
16-09	1551	Prologue	30 chr EAM 2SAERJ 36JRS7HUPLIZQ4FRB7XWEYT2
16-09	1630	Prologue	30 chr EAM 2SAERJ 36JRS7HUPLIZQ4FRB7XWEYT2
16-09	1633	Prologue	30 chr EAM 2SCNOX PL4ELJTGFAWX7LFR6JFH2O53
16-09	1636	Prologue	54 chr EAM YIQFKV OGITVWSRS472LS4PN4D2QLRDDFRH2L2FS2KWWNRFYVCHWGYR
16-09	1647	Prologue	30 chr EAM 2SVOTT QKG2EHGRUEKVHSY5FITCZODY
16-09	1700	Prologue	30 chr EAM 2SAERJ 36JRS7HUPLIZQ4FRB7XWEYT2
16-09	1703	Prologue	30 chr EAM 2SCNOX PL4ELJTGFAWX7LFR6JFH2O53
16-09	1705	Prologue	54 chr EAM YIQFKV OGITVWSRS472LS4PN4D2QLRDDFRH2L2FS2KWWNRFYVCHWGYR
16-09	1735	Prologue	30 chr EAM 2XWIDH GOZUQCCPFLNMVJVP17FTA4NK
16-09	1740	Prologue	76 chr EAM YIMBNY 4MIZYKEHXTFOS74G7AEXDUVEVZZPILDQDKAAAAUQ7VIR73DZV26HQEHWEKVUUWGERULTH
16-09	1818	Prologue	30 chr EAM 2XVJN4 SLQD35CUXIFUQVAIVYXGE46D
16-09	1935	Prologue	30 chr EAM 2XGXCW WUHZI2RCSDBGQDFTTX745BITA
16-09	2005	Prologue	30 chr EAM 2XIM66 VNZXULVQLRICGUDLMQWUXTAO
16-09	2005	Prologue	30 chr EAM 2XU3DX BSCK2Y2ILKADUNWVFI3KRO4Y
16-09	2140	Prologue	30 chr EAM THRYV3 WTAVZ5H4MLX4QY2CDELCHQZY
16-09	2147	Prologue	49 chr EAM for Urgent-21 THYR3H FRBJVDZV7PUHGJW7SGDQZB3PUTUTKRKJWVF6BZMWG6R
16-09	2151	Prologue	30 chr EAM 2XRWGW AGHDHO5Q47ITLYI24FDZW2AT
18-09	1448	Headgear	30 chr EAM for Ceave???-04 THEMIX AGE6VIGLUGM7PNKXRYPM45XR
18-09	1516	Headgear	30 chr EAM 2XBMGX HSPSKWAGKEXESY6MZV5W2ZS
18-09	1608	Headgear	30 chr EAM 2X34VI 2DPCWCH7EJHMYF7PE4COMXS4
18-09	2255	Headgear	30 chr EAM 2XS3ET 4GCYCB3QYGZVBIXY3ASKTCM
18-09	2300	Headgear	30 chr EAM 2XS3ET 4GCYCB3QYGZVBIXY3ASKTCM
18-09	2305	Headgear	30 chr EAM 2XDITC 3Z2B7PCPATYQWJESPMV2ZU3S

18-09	2308	Headgear	30 chr EAM 2XS3ET 4GCYCB3QYGVBJIXY3ASKTCM
18-09	2312	Headgear	30 chr EAM 2XVSXT VKOROJPZMCDH7FXQYSA3F6DZ
19-09	0610	Sycamore	40 chr EAM THQIEO 3JGZ6IAYZGFIN4VBQGGR2QJ74JED6A5E6F
19-09	0644	Sycamore	30 chr EAM THIMXQ QVQVAEASRGUR4VDXYNJYCYVQ
19-09	0657	Sycamore	30 chr EAM TH5U7D Q4GYCTVQ56PHJ7SR73H4PCYS
19-09	0810	Sycamore	30 chr EAM 2X5PGH DG7RZZHRPV6ZZ4S6YO6NISJC
19-09	1011	Sycamore	132 chr EAM YIV5XM SXYOKDFVQ7VNGYJ7RFZBDYHYZBZBUJIRZGORRRRRP7A52OKJHUEFQZLUXYWWWWGJPIRN55RJD 465NWN6ZZZK4BOJXOHFBAY73JJ54D6XDD62222WS4HX7TG7W4FY6Z
19-09	1030	Sycamore	132 chr EAM YIV5XM SXYOKDFVQ7VNGYJ7RFZBDYHYZBZBUJIRZGORRRRRP7A52OKJHUEFQZLUXYWWWWGJPIRN55RJD 465NWN6ZZZK4BOJXOHFBAY73JJ54D6XDD62222WS4HX7TG7W4FY6Z
19-09	1105	Sycamore	132 chr EAM YIV5XM SXYOKDFVQ7VNGYJ7RFZBDYHYZBZBUJIRZGORRRRRP7A52OKJHUEFQZLUXYWWWWGJPIRN55RJD 465NWN6ZZZK4BOJXOHFBAY73JJ54D6XDD62222WS4HX7TG7W4FY6Z
19-09	1135	Sycamore	132 chr EAM YIV5XM SXYOKDFVQ7VNGYJ7RFZBDYHYZBZBUJIRZGORRRRRP7A52OKJHUEFQZLUXYWWWWGJPIRN55RJD 465NWN6ZZZK4BOJXOHFBAY73JJ54D6XDD62222WS4HX7TG7W4FY6Z
19-09	1510	Sycamore	52 chr EAM THUY37 465RWTX5YNNV636XI5SZW6AETQ7JAUQE15DZDAM2TGIXCP
19-09	1528	Sycamore	30 chr EAM THSF7L FBTYSY25OY2CIGDFMPJZJNYG
19-09	1605	Sycamore	30 chr EAM 2XF32N RL4B7YXSPCSXJBBCGI3M75PT
19-09	1613	Sycamore	30 chr EAM 2XXOPZ RZUTNRI6YNUSKYFH2K3BUWCE
19-09	1634	Sycamore	30 chr EAM 2X54MP V2R7ZHSHWWPETHD225B2IEJO
19-09	1818	Sycamore	30 chr EAM 2XZWCV XER647XSWKXZ3OT4ILEZ7Q3G
19-09	2003	Sycamore	30 chr EAM 2XP77Q B2TE2BP52KTS7U2AQJLEIY7N
19-09	2118	Sycamore	30 chr EAM 2XUWQF WEMVQTLZGCIWPXBPSUX37BJT
19-09	2133	Sycamore	30 chr EAM THBA3I MLYBMU6DD7VIUCSYQFFCG27L
19-09	2222	Sycamore	30 chr EAM THZEBR HD6Q2ZST2U65YARDSEERK3OH
19-09	2235	Sycamore	30 chr EAM 2XZKR7 5IXO2UWLQM3B2PRJ6MHL4JWT
19-09	2254	Sycamore	30 chr EAM 2XAHJR IME74XTIJ4L3RUJCY5GS6APB
19-09	2305	Sycamore	30 chr EAM 2XMMYK U4U7H66B3XW4QJDWSRJR4PKZ
20-09	0619	Residual	30 chr EAM 2X3X3P 6XE7IC2UIUUEV7QUJYOV6SI
20-09	0636	Residual	30 chr EAM 2XCIQH 3LWS4V2HZMA7FWAZQF3JSQEL
20-09	0639	Residual	30 chr EAM THRVWK 2YMRWQLHH3RPGKUMXQYY3C73
20-09	0644	Residual	30 chr EAM 2XPLMC TGZQ4MMHB2V4WLOMN2OPHNLZ
20-09	0702	Residual	30 chr EAM 2XOVRA KVWA4CZY2ALGYNF63KCMHYWQ
20-09	0732	Residual	30 chr EAM 2XGKWB W4MA6WQUDA6MX4OMVENOWDH6
20-09	1338	Residual	30 chr EAM 2X6A7B LQFIMGRGXNXQSBN7QW2VS7EX
20-09	1510	Residual	30 chr EAM 2XOKKO PGFNGSBXJBSSYBQFLI4ZVIZ
20-09	1515	Residual	30 chr EAM 2XO6JG WC5IAC2BZ3CDZFC6B2PTQSGH
20-09	1535	Residual	30 chr EAM 2XELQY EVRZ52NO2KH7SAZRZADFKYRV
20-09	1601	Residual	30 chr EAM 2XELQY EVRZ52NO2KH7SAZRZADFKYRV
20-09	1604	Residual	30 chr EAM 2XO6JG WC5IAC2BZ3CDZFC6B2PTQSGH
20-09	1607	Residual	30 chr EAM 2XOKKO PGFNGSBXJBSSYBQFLI4ZVIZ
20-09	1631	Residual	30 chr EAM 2XELQY EVRZ52NO2KH7SAZRZADFKYRV
20-09	1634	Residual	30 chr EAM 2XO6JG WC5IAC2BZ3CDZFC6B2PTQSGH
20-09	1637	Residual	30 chr EAM 2XOKKO PGFNGSBXJBSSYBQFLI4ZVIZ
20-09	1646	Residual	30 chr EAM 2X4ZVT PSW6GSVEHK47HNBZMWDKH4NX
20-09	2355	Residual	30 chr EAM THRK6I OGOXDNP2IM33TP7PBJ65CJS
21-09	0013	Staff Car	41 chr EAM THYMOI E7CBWMMMLFDMQJQBD743BDV4727TTWQH6QCWH
21-09	0612	Staff Car	30 chr EAM 2X5JDY QQUMGP6I6W4F4XOAU2TYXLKH
21-09	0631	Staff Car	30 chr EAM 2XIEWU KDI74HM5VRLJ2ZOU3IGNOPAQ
21-09	0642	Staff Car	30 chr EAM 2XVIWE GW33DKRFUTHRI36SENA67GPO
21-09	1224	Staff Car	30 chr EAM 2XOU4K KQTCXGSWW6ZMIJYMI32KDVSQ
21-09	1233	Staff Car	30 chr EAM 2XRYEO 54VFZQ5TUFK7BLKJ3QOTU2GX
21-09	1334	Staff Car	30 chr EAM 2XGMD4 GWFC4VS5U7CE33DFJ3V3YPG5
21-09	1346	Staff Car	30 chr EAM 2XEY2Q LGXTT4TVPNBPGFEF5ZXUWYVN
21-09	1419	Staff Car	30 chr EAM 2XVV3H OQAKJQG2WIPOXNYMJHXWH6YS
21-09	1423	Staff Car	30 chr EAM 2XV4AI LZW63VYUQSHWMPKWBAUTEH5Q
21-09	1430	Staff Car	30 chr EAM 2XYKNB SEDLUHPTWKXQJDEK6JYAR2SP

21-09	1437	Staff Car	30 chr EAM 2XIX7Y 2PXHVUUQTKLKKM2MEJVEOICR
22-09	1617	Iron Gate	30 chr EAM 2XVAYK FTRYGNDN2O2NTRKKAPAUWV
22-09	1933	Iron Gate	30 chr EAM 2XKGGP 7CVS37T2RIWLUFHVCFN7TVXI
23-09	0203	Car Game	Skyking message: Car Game time 03 auth BK. I say again: Red time 03 auth BK. Car Game out
23-09	0205	Car Game	Skyking message: disregard my Car Game transmitted at 03 time 05 auth IQ
23-09	0205	Car Game	Skyking message: Red time 05 auth IQ
23-09	0226	Car Game	30 chr EAM 2XPVIR MIPFXRWNYVDDDB4J4OPOG62D3
23-09	1424	Car Game	30 chr EAM 2X55PS 3L72VLJVAKVIFCH7KIZHBJ4Q
23-09	1426	Car Game	30 chr EAM 2X2XCT 643SA6RJLH7KEQYQ2M4YSFEL
23-09	1430	Car Game	30 chr EAM 2X2XCT 643SA6RJLH7KEQYQ2M4YSFEL
23-09	1432	Car Game	30 chr EAM 2X55PS 3L72VLJVAKVIFCH7KIZHBJ4Q
23-09	1439	Car Game	30 chr EAM 2X44KO ZPHAHG4YKTTNMRIH5SWF4J5D
23-09	1500	Car Game	30 chr EAM 2X44KO ZPHAHG4YKTTNMRIH5SWF4J5D
23-09	1502	Car Game	30 chr EAM 2X2XCT 643SA6RJLH7KEQYQ2M4YSFEL
23-09	1505	Car Game	30 chr EAM 2X55PS 3L72VLJVAKVIFCH7KIZHBJ4Q
23-09	1517	Car Game	30 chr EAM 2XGIJP YED6WX42SF5VKRJ6IAY3S2JR
23-09	1529	Car Game	30 chr EAM 2XXAID VMJLCEANLMJSPCG5LO6QAICL
23-09	1713	Car Game	30 chr EAM for Luke-12 THIDIU J25RSXFGZR6ONNRDNYGD3DSX
23-09	1817	Car Game	30 chr EAM 2XOVRA KVWA4CZY2AKDYNF disregard this message
23-09	1818	Car Game	30 chr EAM 2X32VE 6M4J6MC4HYZWQB7SKY2GH6N
23-09	1837	Car Game	30 chr EAM 2XC34D 2AP5BTWKD3JDUWYP4CXAUGCL
23-09	2046	Car Game	30 chr EAM 2XNM7O HI6OOFELZP4JA7DG6XFUPCE
23-09	2247	Car Game	30 chr EAM 2XQIB3 5UDUIJVA3NQICDJKKFQR2WLK
23-09	2251	Car Game	30 chr EAM 2XK3FQ UIVREBXJ7HBXNWD4HLRCPSTY
23-09	2255	Car Game	30 chr EAM 2XPHCK KK3UYVQEABEKZZK64CDYKL3
23-09	2306	Car Game	30 chr EAM 2XGL3Q IF2DWKIPGYRHIDUEP63GCBZX
23-09	2309	Car Game	30 chr EAM 2XTW6H KQUJ6HBMZWMIUQE4IJGSW4OK
23-09	2333	Car Game	30 chr EAM 2X2AUT MN7WHMFTANUFP4WKXVSNKAWT
24-09	0537	Graphite	36 chr EAM THONTR C27HHZT2PYVOCALADON3CRT7B6ZXQK
24-09	0552	Graphite	43 chr EAM THDS22 XECGE3UIFKCPTU6UFFHFK2PMXZBDUXFWA4XNH
24-09	0609	Graphite	30 chr EAM THNQD6 B5C3CHIF57FZN3B7E3MZTHI6
24-09	0637	Graphite	41 chr EAM THXKQZ IPAJM6O5BY2SP6QYWRHQYHR6LYXKFQGX3RP
24-09	0717	Graphite	30 chr EAM THZMCN XOK3KSFQ7GSHY74BB667UFO
24-09	0740	Graphite	30 chr EAM 2XHLL2 G774BYNQREFQ77IESDUHPO3
24-09	1001	Graphite	30 chr EAM 2XMYZG 6OVVOISCMQONU005TCBORVHG
24-09	1005	Graphite	30 chr EAM 2XFHP2 NKXUADBLS5FEADI3ABMCT32Z
24-09	1455	Graphite	40 chr EAM THZYUK FQCO33WOJ7KB4GCGK2DSS2ZK6DVH6TPOVS
24-09	1500	Graphite	36 chr EAM THYJP3 BT4FZ425MNPO6KRGALSNJ722YCDG4O
24-09	1522	Graphite	30 chr EAM 2XFCPR RWJYU3CWYALEKPQXPOHLXPAI
24-09	1605	Graphite	30 chr EAM 2X2CTY 7L4CE4VW3LYZOWYFAGODJUYT
24-09	1622	Graphite	30 chr EAM 2XKLEG TIAWB3ACRBKAZP5WWI6GAOQC
24-09	1625	Graphite	30 chr EAM 2XWJIF JBG4IT6GONNDZUJDBW7JY3V
24-09	1702	Graphite	30 chr EAM 2XJQKA PUGHONUEWGD3UCUFF5QF6UPL
24-09	1733	Graphite	50 chr EAM THIUZH GXQD6EB4DB5ZANR4GDGDB346MKK26FMVADGZVEY6MUED
24-09	1746	Graphite	19 chr EAM TH5V62 YED3G2QVO4MZ2
24-09	1812	Graphite	19 chr EAM W5AQNA AFIU5LRTQEQIX
24-09	1827	Graphite	50 chr EAM YIQIFN VJ4FZIEUC42B73LNNOPYYYISTCOCKCYJJCHEY6T43SY
24-09	1933	Graphite	50 chr EAM YIQIFN VJ4FZIEUC42B73LNNOPYYYISTCOCKCYJJCHEY6T43SY
24-09	2355	Graphite	30 chr EAM THQZXH FM3X2W7FMFXW57B26XEYCNR2
25-09	0018	Shirt Tail	36 chr EAM THBB6S ONTS2VFHWISVWGPLOEB736PPX6CRZ2
25-09	0134	Shirt Tail	46 chr EAM THOTXO 4PTYAJKV25HGE7LPRBGLPRPGLPR637MUBJ2SZXS6
25-09	0143	Shirt Tail	36 chr EAM THT4NQ PTVVYSFUQAPDURRAXJ6CNWMR2JFKLX
25-09	0159	Shirt Tail	30 chr EAM 2XJTJ7 WND7BXO5GCRGDCJPFNU7J5FC
25-09	0216	Shirt Tail	30 chr EAM 2XIUOA 4R44WYQH36TIAQNBUEDBPLO
25-09	0548	Shirt Tail	54 chr EAM THDWOQ OJPSCGUJHN5CKQJPIF4YFCK6HO76LQCOSYF5G5KOV2LQOLB
25-09	0611	Shirt Tail	30 chr EAM for Region Charlie THDM2T SH4D4JEOO4BOQVIZOHTMZVQM
25-09	0617	Shirt Tail	30 chr EAM TH7OZ7 PT2JK4RH4XRQPNYNBLW64XKW
25-09	0625	Shirt Tail	30 chr EAM THQQDD 53SZZNNGTTPC6CITBMOAN656V
25-09	0638	Shirt Tail	30 chr EAM 2XE34K CLY3EINXMSLFOYR4YVZVW34N

25-09	0645	Shirt Tail	30 chr EAM 2XOQFJ EJENBUNTORK4PE6EJJQ6WOG5
25-09	0652	Shirt Tail	30 chr EAM 2XZV2V SYCREQ4IQ5YG7PTNNW7GLSN4
25-09	0711	Shirt Tail	30 chr EAM 2XSE44 2N6T4XKUPSNGI7ZVQADTRUOC
25-09	0715	Shirt Tail	30 chr EAM 2XJEGJ 3B7ZTBYHLKPNPITVEEHYEUJ6
25-09	0719	Shirt Tail	30 chr EAM 2XEE3C BI6G4SJ674ZZKOTVPF6DOQG4
25-09	0731	Shirt Tail	30 chr EAM 2X4N22 4I2A74WSPQPEN4W3NAUVJ6DH
25-09	1426	Shirt Tail	30 chr EAM 2XQDBG RBUYFHD4N4AFBQJBQ6AM6I4W
25-09	1453	Shirt Tail	30 chr EAM for Gap-23 THGM7Z 3MKD5SE3IDI2665JH2CT32VP
25-09	1517	Shirt Tail	30 chr EAM 2XDAG3 MTKQYW54CPYDSO4CM5F7XQWY
25-09	1521	Shirt Tail	30 chr EAM 2X4DVV UHRX6NJDNPZKI6YBSNEFY2U
25-09	1524	Shirt Tail	30 chr EAM 2XZ2ST 6GRTJOPZKNISRRDRB44WRF7
25-09	1704	Shirt Tail	30 chr EAM 2XZ4RJ DKU6PEANOBFAZ55TXM63ROZ
25-09	2218	Shirt Tail	30 chr EAM 2XYC65 LSW2ZEK3M4ZLNGZH7YKYSRZ6
26-09	0007	Energetic	47 chr EAM THVF2Z 5KO2LIWE3EESN7XXEJSPWLMWX5OHYXPWL7IM76SVU
26-09	0024	Energetic	30 chr EAM THS2CS YB7HFBNHHO66RTQ4HDOG46DF
26-09	0058	Energetic	53 chr EAM THPLKU 3YY7DNT7BDZ6EUIGDOV7TYLTJYBHFVEEIIKCJYQUK2WXIO2
26-09	0107	Energetic	30 chr EAM 2XD4SJ PUY2VN46W4HHOQZZXR7Y7YT3
26-09	0518	Energetic	30 chr EAM 2XOEYR TRX62DFODHA64EKAMPWMIZXH
26-09	0521	Energetic	30 chr EAM 2XQGSC HSZZRHVVYUOXYJVE4F6WPEOJ
26-09	0527	Energetic	30 chr EAM 2XGZ4H RFX5JNZPUQP6RCIDTIJREL7Y
26-09	0531	Energetic	36 chr EAM THR4TS ZQ2KMNOCQKTYO5TN6KOMGI2QVG6MH4
26-09	0539	Energetic	43 chr EAM TH67PC TZVUWWQIRBJYDLUSQQVARB27DLW3XKTHNYBZF7
26-09	0543	Energetic	30 chr EAM 2X3E4T XT3CVATKIRQJXPVGKCLUZER
26-09	0547	Energetic	30 chr EAM 2XG4N6 OOTXBPSTPTWBGD6DVPXZ6BD
26-09	0550	Energetic	40 chr EAM TH7XRX TZD75SL5MUM2MXLLMU6LSIETUHH3MOBIAH
26-09	0612	Energetic	30 chr EAM THHAFJ ENNMNNZQ2JFWMVXF5NM37VHN
26-09	0618	Energetic	30 chr EAM THCIDY JLEQGMVUT7OQ7MUBKNEUZCC
26-09	0625	Energetic	30 chr EAM 2XBGKJ V7Y3QNNQ2QDYO7XVP7BNYAUTZ
26-09	0628	Energetic	30 chr EAM 2XQRQD 4GBOFZTEKWY3TXIQWIZC3WEK
26-09	0636	Energetic	Skyking message: Laguna? time 36 auth VE
26-09	0637	Energetic	30 chr EAM THULSL 27JRV5TFA7DQT2ZUQAJBL7KJ
26-09	0643	Energetic	30 chr EAM 2XBOGL YUCFD7JASEFZIRSGFS52UFOD
26-09	0653	Energetic	30 chr EAM 2X4EJL GF6K3C72DPCAFTW26VDOAFIS
26-09	0734	Energetic	30 chr EAM 2XFKCK EBDPWN54RXXZUM6T2XXJDQSG
26-09	0739	Energetic	30 chr EAM 2XYXPW OFYLESOSV7XTLMWBVVUQ7BT4
26-09	0750	Energetic	30 chr EAM 2XGSUQ WSITIFSXC5PKIN63LV324JFK
26-09	1247	Energetic	30 chr EAM for Tetrad TH6QD4 G3BGQ3YJGAQFIDO3DDNQOFMZ
26-09	1307	Energetic	30 chr EAM for Tetrad THEQ4I WKX573PFKRRSDG2QFHHREG3N
26-09	1323	Energetic	30 chr EAM for Tetrad THC3BE DEBTBZGTBTRGAQZO7YGSWYWG
26-09	1332	Energetic	30 chr EAM FOR Tetrad THIAZR WRBAPRD7X7HVV3JHGGM3GJAK
26-09	1343	Energetic	30 chr EAM FOR Crier-27 THNEPX 3HRKBEQHTH4C3HHGPRVQFZM6
26-09	1417	Energetic	30 chr EAM 2X2TLQ PYLUNUTCHAA4MP4SXIA46JUD
26-09	1505	Energetic	30 chr EAM TH2U3J ME6LAH4UG3FCAKHVICJHBZQN
26-09	1713	Energetic	30 chr EAM for Linga-52 THEDPI MVC5OMOIVLT7L4DYI36DRNTK
26-09	1743	Energetic	30 chr EAM 2X6SVP EU3IGFZBRS7LPGXB7YFUEWXG
26-09	1814	Energetic	30 chr EAM 2XF64Y WRT55PY4L6OH6BN7G5Q7KJP4
26-09	2219	Energetic	30 chr EAM 2XVXYU EQJ2RLGISUIZOKJVUAHIXDTY
26-09	2226	Energetic	40 chr EAM THZXUU DLX7MD2OHU2CGPHBAQJACECO6O565T4NLA
26-09	2234	Energetic	36 chr EAM THHJAW THHJAW4CSBQG7RJ6TBUJU2LCFSSGN6
26-09	2253	Energetic	30 chr EAM 2X25VF Q3VBIBBX4AYLWKNIP4QEV6Z6
26-09	2300	Energetic	30 chr EAM 2X6EFI UZPPOUW76K43WS3EHY7CUIP
26-09	2315	Energetic	30 chr EAM THKEC4 UFC62BSIJFIX5HZWQYE7BJYF
26-09	2318	Energetic	30 chr EAM 2XMJY2 VUWKXCDOX3WJBSXND5TEADVW
26-09	2334	Energetic	30 chr EAM 2XPABL JVKCR4UI4RRGZ45WYEHBPZY6
27-09	0540	Skytrail	30 chr EAM 2X43MX 5W5I6SY2KSEAFI2UHF4TGUY
27-09	0552	Skytrail	41 chr EAM THHSDA 2BTGJTB5JTABNPX3CNPX3QBKUA56F3CYLH
27-09	0558	Skytrail	30 chr EAM 2XHG3O P52IZIWKGRBMZWQ5PPPQUTXO
27-09	0603	Skytrail	30 chr EAM 2XDVXE U5ORADVODRF3YRKP6U7LDPNY
27-09	0606	Skytrail	30 chr EAM THDVHA XYHDA333YMRH3ALIKHPA3E3W

27-09	0624	Skytrail	30 chr EAM 2XTGQV ONHAZ5XPQPVE4U6GTSEUKND
27-09	0633	Skytrail	68 chr EAM THVNHU ZWXBPVYI4R3L65NYKK63DAC6ETCIABUVPKWLC5OQBUWSNRASZZQBUWASNHKDF7
27-09	0645	Skytrail	30 chr EAM 2XDS6N WOAJVGJSHCQ33DHCERQ3ZVYF
27-09	1503	Skytrail	52 chr EAM THRRGO RXJJAOPBDIDIQCKIHKCHMCPCWO3CPYVEUP756QHJJYM62
27-09	1525	Skytrail	30 chr EAM THQNP6 EJ4O37GGLKIVFOMUJFF5SDKA
27-09	1549	Skytrail	30 chr EAM 2XNKIF JWWLGQ2X33YNOIGW7TNGZPHW
27-09	1553	Skytrail	30 chr EAM 2XF7CP SZNCHKXXP55JJKPJTL3IBU2
27-09	1616	Skytrail	30 chr EAM 2XB52B XIPMQUCVP5X2HMPWDFMOKA6J
27-09	1622	Skytrail	30 chr EAM THNMOV5 ZKCGOA7TI2R5FBB3PBS2DZ7
27-09	1636	Skytrail	30 chr EAM 2XKFBX 64HHP5HRBIDW7EYKNNJ7UKS
27-09	1733	Skytrail	30 chr EAM 2XV7VW M2UOJNOVZHC2MTFZHROIY34T
28-09	0113	Propagate	30 chr EAM 2XEMIW LVUQ2BQIH2UHJSDX5DOLPDFQ
28-09	0830	Propagate	30 chr EAM 2XXEZ6 ZIBH4K4QEB32LSZIKIIF7RVJ
28-09	0838	Propagate	30 chr EAM 2XHA74 I7TU2IILAZJ4H6577GYXLQ2Z
28-09	1259	Propagate	30 chr EAM 2XHA74 I7TU2IILAZJ4H6577GYXLQ2Z
28-09	1302	Propagate	30 chr EAM 2XXEZ6 ZIBH4K4QEB32LSZIKIIF7RVJ
28-09	2014	Propagate	30 chr EAM 2XKPAA F2PVBSJGDBR7ECYERH6Q72L6
28-09	2023	Propagate	30 chr EAM 2XZTA4 A4ZE3OUUDTFDOS64YASDHZ7X
28-09	2030	Propagate	30 chr EAM 2XZTA4 A4ZE3OUUDTFDOS64YASDHZ7X
28-09	2033	Propagate	30 chr EAM 2XKPAA F2PVBSJGDBR7ECYERH6Q72L6
28-09	2040	Propagate	30 chr EAM 2XW4YL LVI7W3ECRSMQZRMQB5JC3S7P
28-09	2043	Propagate	30 chr EAM 2X5ZQ4 MXEDY6EJCERYK7I734YQYVU2D
28-09	2046	Propagate	30 chr EAM 2XZXBO NJNETHFH64U3PQMHSYUODF42
28-09	2201	Propagate	30 chr EAM 2XZXBO NJNETHFH64U3PQMHSYUODF42
28-09	2203	Propagate	30 chr EAM 2X5ZQ4 MXEDY6EJCERYK7I734YQYVU2D
29-09	1417	Challenge	30 chr EAM 2XPEK3 UNSJBPAECQNFTFZPXHGAEHCK
29-09	2032	Challenge	30 chr EAM 2XGTEN 2DMDNOWKRXBYB3E7UGILUBR6J
30-09	0146	Skate Key	30 chr EAM 2X6D6E ZRUPH7HUC3ZYLXFIC45CIOXK
30-09	1345	Skate Key	30 chr EAM 2X7HPV KZFS7GM2PJWW4X64CLIKPQVH
30-09	1937	Skate Key	30 chr EAM 2XNHKF GYVVLO7BGIY63GRU2GVUCG4A

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by JPL, WP3, GWr, F5JBR

Strategic messages

7746 kHz, 03-09, 0840 UTC REA4: XXX 1QRF 24898 RANGOSTAZ 0183 6356 K
6416 kHz, 03-09, 0920 UTC RIT: XXX RLO ÉLASTIÖNYJ 01 2310 160 270 03 1320 255 040 1216 K
7815 kHz, 04-09, 0800 UTC RBL88: XXX LR43 TEHNIÖESKÄÄ PROWERKA 592 K
7815 kHz, 04-09, 0806 UTC RBL88 wkg RFN77 RGR99 XXX LR43 TEHNIÖESKÄÄ PROWERKA 592 K
13561 kHz, 12-09, 1044 UTC RGT77: XXX XXX WEGI WEGI 60115 OWENOB 5347 0147 KALOWID 0305 0937
13561 kHz, 26-09, 1120 UTC RGT77: XXX XXX WEGI WEGI 07524 LOCMANSKI 9140 6480 //13443 kHz
13443 kHz, 26-09, 1120 UTC RGT77: XXX XXX WEGI WEGI 07524 LOCMANSKI 9140 6480 //13561 kHz
14411 kHz, 12-09, 1106 UTC RDL: XXX XXX WEGI WEGI 87506 60115 OWENOB 5347 0147 KALOWID 0305 0937
14411 kHz, 12-09, 1117 UTC RDL: XXX XXX M7A2 M7A2 37416 19815 DUWROPIR 9672 7182
14411 kHz, 13-09, 1027 UTC RDL: XXX XXX W6BY W6BY 97925 29749 WHOVIJ 2252 9796
14411 kHz, 13-09, 1033 UTC RDL: XXX XXX IGYC IGYC 68861 90412 OTRASLEWOJ 4343 2503
14411 kHz, 14-09, 1146 UTC RDL: XXX XXX X2BM X2BM 80475 53346 TIKOSNEG 7611 6472 //12832 kHz
12832 kHz, 14-09, 1146 UTC RDL: XXX XXX X2BM X2BM 80475 53346 TIKOSNEG 7611 6472 //14411 kHz
14411 kHz, 14-09, 1245 UTC RDL: XXX XXX X2BM X2BM 80475 53346 TIKOSNEG 7611 6472 //12832 kHz
12832 kHz, 14-09, 1245 UTC RDL: XXX XXX X2BM X2BM 80475 53346 TIKOSNEG 7611 6472
14411 kHz, 26-09, 1126 UTC RDL: U U U XXX XXX WEGI WEGI 67909 07524 LOCMANSKI 9140 6480 //12832 kHz
12832 kHz, 26-09, 1126 UTC RDL: U U U XXX XXX WEGI WEGI 67909 07524 LOCMANSKI 9140 6480 //14411 kHz
14411 kHz, 26-09, 1410 UTC RDL: U U U XXX XXX WEGI WEGI 78874 24308 POWOROT 9509 4680 //12832 kHz
12832 kHz, 26-09, 1410 UTC RDL: U U U XXX XXX WEGI WEGI 78874 24308 POWOROT 9509 4680 //14411 kHz
5430 kHz, 30-09, 1130 UTC XXX XXX ESUP ESUP 66379 ZASWITLA 9435 K only one number group given after codeword

Monolith Stations

S30 Pip

5448 kHz, 25-09, 0940 UTC 8S1Shch 73987 MUAROVoyZh 0263 7692
5448 kHz, 25-09, 0950 UTC 8S1Shch 91692 INTYeRNYeT 1330 3792
5448 kHz, 25-09, 1000 UTC 8S1Shch 28957 BINTONIT 9899 2492
5448 kHz, 26-09, 0958 UTC 8S1Shch 55232 VNUKOGRYeH 1724 5560
5448 kHz, 26-09, 1411 UTC 8S1Shch 93437 OBYeTOChOH 6227 5183
5448 kHz, 26-09, 1430 UTC HCFL 46959 BOMBOVOZ 4290 5245 *)
5448 kHz, 30-09, 1235 UTC Y8VM 6I2Zh 8CSHchJ 27Shch' N1DU 53OB 78MV DYeAY JH'J 12CI
5448 kHz, 30-09, 1355 UTC 8S1Shch 71383 PLAVAR 5311 9007
5448 kHz, 30-09, 1407 UTC 8S1Shch 83967 MANOVYJ 3144 5329
5448 kHz, 30-09, 1422 UTC 8S1Shch 49356 PATRIKA 2154 1451
5448 kHz, 30-09, 1431 UTC ShchTO3 05776 NALADChIK 2522 3699

*) this transmission seems to be for HCLF, a regular pip dlya unit, but the callsign has been read in wrong order of HCFL
Recording <http://priyom.org/media/229742/s30-5448usb-20190926-1430z-msg-bygwrspc.ogg>

S32 Squeaky Wheel

5473 kHz, 26-09, 0953 UTC Al'fa-45 89143 ZVONOKUM 4936 2605
5473 kHz, 26-09, 1415 UTC Al'fa-45 99945 ADOMYaCh 5486 9768
5473 kHz, 26-09, 1439 UTC Dlya: Penza-07 Yahta-94 Firna-85 Stupa-32 Utes-94 Alyeut-09 Storozh-62 Nevka-26
5473 kHz, 30-09, 1355 UTC Al'fa-45 49514 BOKSOLIF 3731 6965
5473 kHz, 30-09, 1409 UTC Al'fa-45 79786 YeZDA 3078 0434
5473 kHz, 30-09, 1424 UTC Al'fa-45 72010 KORZhOMORF 1147 6798

Vega-33

5372 kHz, 25-09, 1010 UTC Vega-33 55591 OBYeTOGALL 1628 2773
5372 kHz, 25-09, 1020 UTC Vega-33 01468 ALOEh 3587 5579
5372 kHz, 26-09, 0842 UTC Vega-33 92388 NYeRVOMART 5371 3449
5372 kHz, 26-09, 1006 UTC Vega-33 11828 YeZhYeGOLOVNIK 4031 5166
5372 kHz, 26-09, 1428 UTC Vega-33 92910 MYeTYeORITIKA 1387 0943
5372 kHz, 30-09, 1435 UTC Vega-33 66228 GRAMZAPIS' 7453 8345
Mistake in reading, first time round reads 'myagkij znak' as 'ivan kratkij'
5372 kHz, 30-09, 1445 UTC Vega-33 91834 LYuEhSOShTOF 3615 9671

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

RNv – Russian Navy

4366 kHz, 03-09, 0524 UTC

VESTNIK: Russian Navy, Kaliningrad clg MALBERT (RGB59) (Comms Checks and Traffic in QYT4 mode) QSX 6277 kHz

8439 kHz, 08-09, 1002 UTC

FLEYTA: Russian Navy, Sovetskaya Gavan (RJD93) wkg MALAGA (RAG83)

RADv – Russian Air Defense

4380 kHz, 03-09, 0918 UTC Russian Air Defense Forces. Tracking (Russian Voice)

M32a - Russian Navy (Voyenno-Morskoy Flot Rossii)

6841 kHz, 03-09, 0434 and 1142 UTC

RGR99 wkg RGR49, RGR87, RGR88, RGR89, RGR90, RGR91, RGR93, RGR94, RGR95, RGR96, RGR97, RGR98

9976 kHz, 06-09, 0606 UTC. RBIZ wkg RCV. Location RBIZ: Tartus port, Syria

QTC SML 352 18 6 0900 352 = FOR RKE73

06061 99349 10359 41597 42303 10231 40133 52011 70200 84110

22100 00260 20000 88000 80000 06015 = AR RBIZ K

6324 kHz, 05-09, 0909 UTC. RFE76 wkg RMP

QTC 342 21 3 1205 342 = SML FOR RJD38 REG98 =

03091 99554 10196 41497 72106 10180 40195 54000 71588 87900

22221 00201 20301 320// 40604 88000 80000

6324 kHz, 05-09, 1212 UTC. RFE76 wkg RMP. QSX 6362 kHz

Location: <https://goo.gl/maps/QoGLEjiZrVXg4df1A>

QTC 514 21 3 1505 514 = SML FOR RJD38 REG98 =

03121 99551 10196 41497 72308 10180 40191 58004 71588 87901

22242 00204 20405 327// 40604 88000 80000

3654 kHz, 03-09, 1204 UTC. RMED wkg RJC66

QTC SML RMED 663 18 3 1502 663 = SML FOR RJD38 RIF4 =

03121 99600 12802 41498 52604 10188 00118 51000 70201 82110

22263 00130 20101 33026 03014 = AR RMED K

3654 kHz, 08-09, 0936 UTC. RAK83 wkg RJD93

Location: <https://goo.gl/maps/64qUYrRoU94aq37j7>

RAK83 204 13 8 1200 204 = FM RAK83 FOR RJH48 =

08091 99453 11480 41/98 52506 40130 54000 70201 22200 2//// 3//// =

AR RAK83 K

RJD93 R 204 K

RAG83 PSE QTC 1 K

RJD93 QRV K

RAK83 205 32 8 1200 205 = FM RAK83 FOR RJD93 = 504AAA297 = OK ? K

RJD93 RPT TXT K

504AAA297 = 509AAA449 509AAA448 505AAA108 506AAA769 506AAA768 509AAA447 509AAA873 507AAA497

508AAA822 509AAA381 507AAA496 509AAA515 505AAA107 509AAA317 508AAA821 =

AR OK ? K

RJD93 RPT PBL K

RAK83 205 32 8 1200 205 K

RJD93 RPT PBL AA K

RAK83 205 32 8 1200 205 = FM RAK83 FOR RJD93 = OK ? K

RJD93 RPT TXT K

RAK83 OK TXT = 504AAA297 OK ? EEEEE SLD TXT

504 297 = 509 449 = 509 448 = 505 108 = 506 769 = 506 768 = 509 447 = 509 873 = 507 497 = 508 822 = 509 381 =

RJD93 BK BK AS

RAK83 DE RJD93 NR 205 RPT K

RAK83 RPT ALL ? K

3654 kHz, 08-09, 0952 UTC. RAK83 wkg RJD93

RAK83 OM FOR FLEJTY FOR FLEJTY OK ? K

RJD93 NR 205 RPT K

RAK83 205 32 8 1200 205 = FM RAK83 FOR RJD93 =

504 297 = 509 449 = 509 448 = 505 108 = 506 769 = 506 768 = 509 447 = 509 873 = 507 497 = 508 822 = 509 381 =

507 496 = 509 515 = 505 107 = 509 317 = 508 821 =

AR RAK83 OK ? K

RJD93 NR 205 RPT 32 K

3654 kHz, 08-09, 0959 UTC. RAK83 wkg RJD93

RAK83 RPT 32 = 821 = K
RAK83 OM PSE QST QST 8439 PSE K
RAK83 PSE FON
RAK83 OM PSE QST 8439 OK ? K
RJD93 R 205 K
RAK83 FB QRU SK
RJD93 RPT K
RJD93 DE RAK83 QRU SK

3654 kHz, 08-09, 1232 UJTC. RAK83 wkg RJD93

QTC RJD93 DE RAK83 QSA ? QTC K
RAK83 DE RJD93 QSA 2 QRV K
RAK83 208 36 8 1530 208 = RAK83 FOR RJS RJD97 =
11111 05657 49261 77928 34972 27722 82421 03367 51220 64738 =
RJD93 BK BK RPT AA 11 K and 1236z
RAG83 QSP FI6 OK ? SLD RPT 11 AA =
57044 508821 504297 509449 509448 508822 505108 506769 506768 509447 =
509873 507497 509515 509317 507496 509381 505107 35456 76253 73489 =
31080 79174 08032 =
AR RAK83 K
RJD93 R 208 K
RAK83 OK PSE QTC K
RJD93 QRV K
RAK83 207 13 8 1500 207 = FM RAK83 FOR RJH48 =
08121 99453 11480 41/98 700// 40105 57020 70201 22200 2//// 3//// =
AR RAK83 K 1241z
RJD93 R 207 K
RAK83 QRU SK

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

8816 kHz, 19-09, 1115 UTC

RJF94 RJC38 DE 26912 QTO 1105 QRD XLMD XLDR QRE 1315 QBD 0500 K
QTH 17111 14735 QTR 1140 QBD 0430 QBG 5500 K
QTH 17053 14243 QTR 1210 QBD 0400 K
QTH 16987 13824 QTR 1240 QBD 0330
QRE XLMD 1320 K
QQM XLMD 1320 SK

8816 kHz, 27-09, 0712 UTC

RJC38 RJF94 DE 09436 QTO 0658 QRD XLWF XLMV QRE 0900 QBD 0600 K
QTH 16351 13519 QTR 0810 QBG 4000 QBD 0500 K
QTH 16258 13556 QTR 0822 QBG 4000 QRE XLWF 0920 K

8816 kHz, 27-09, 0950 UTC

RJF94 RJC38 DE 26912 QTO 0933 QRD XRKE XRFI QRE 1100 QBD 0300 K
QRE XRKE 1035 K
QQM XRKE 1033 SK

8816 kHz, 27-09, 1111 UTC

RJC38 RJF94 DE 09436 QTO 1059 QRD XRKE XLWF QRE 1420 QBD 0700 K
QTH 15346 13831 QTR 1214 QBG 7600 QBD 0600 K
QTH 14918 14121 QTR 1310 QBG 7600 QBD 0500 QRE XRKE 1410 K
QQM XRKE 1407 SK

8816 kHz, 27-09, 1156 UTC

RJF94 RJC38 DE 26912 QTO 1140 QRD XLWF XRKE QRE 1610 QBD 0500 K
 QAY XRR1 1244 QBD 0400 QBG 6100 K
 QTH 15223 13855 QTR 1344 QBD 0300 K
 QTH 15565 13786 QTR 1445 QBD 0200 QRE XLWF 1600 K
 QQM XLWF 1555 SK

8816 kHz, 27-09, 1511 UTC

RJC38 RJF94 DE 09436 QTO 1501 QRD XRFI XRKE QRE 1620 QBD 0600 K
 QQM XRFI 1610 SK

8816 kHz, 28-09, 0612 UTC

RJC38 RJF94 DE 26912 QTO 0605 QRD XLAA XLWF QRE 0750 QBD 0500 K
 QTH 16117 13851 QTR 0642 QBD 0400 QBG 5800 QRE XLAA 0745 K
 QQM XLAA 0747 SK

8816 kHz, 28-09, 0731 UTC

RJC38 RJF94 DE 09436 QTO 0720 QRD XLMD XRKE QRE 1320 QBD 0800 K
 QTH 14949 14105 QTR 0824 QBG 6700 QBD 0700 K
 QTH 15414 13854 QTR 0927 QBG 6700 QBD 0600 K
 QTH 15852 13822 QTR 1029 QBG 7000 QBD 0500 K
 QTH 16406 14509 QTR 1133 QBG 6700 QBD 0400

8816 kHz, 28-09, 1155 UTC

RJC38 RJF94 DE 26912 QTH 16673 13534 QTR 1150 QBD 0430 QBG 5500 QRE XLMD 1245 K
 QQM XLMD 1253 SK

CONTRIBUTORS

AB	Ary Boender, Netherlands	ES-HOL	Edward Smith via remote rx Netherlands
AB-AUT	Ary Boender via remote rx Austria	EW	Eddy Waters, Australia
AB-CHN	Ary Boender via remote rx China	F5JBR	F5JBR André, France
AB-FIN	Ary Boender via remote rx Finland	F5JBR-J	F5JBR André via remote rx Japan
AB-G	Ary Boender via remote rx UK	GHn	Gary Hagermann, UK
AB-J	Ary Boender via remote rx Japan	Gwr	Gwraspe (via Priyom)
AB-KOR	Ary Boender via remote rx South Korea	HFD	Hans-Friedrich Dumrese, Germany
AB-NZL	Ary Boender via remote rx New Zealand	HFD-J	Hans-Friedrich Dumrese via remote rx Japan
AB-POL	Ary Boender via remote rx Poland	HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
AB-ROU	Ary Boender via remote rx Romania	HFD-USA	Hans-Friedrich Dumrese via remote rx USA
AB-RUS	Ary Boender via remote rx Russia	JPL	JPL, NB, Canada (and various remote rx)
AB-UKR	Ary Boender via remote rx Ukraine	JPL-CHN	JPL via remote rx China
AB-USA	Ary Boender via remote rx USA	JPL-HK	JPL via remote rx Hong Kong
Dan	Daniel LU5EMM, Argentina	JPL-J	JPL via remote rx Japan
Danix	Danix, Poland	JU	Jay Updike, W. Europe
Danix-AFS	Danix via remote rx South Africa	MPJ	Jim, SW England
Dan-J	Daniel LU5EMM via remote rx Japan	MPJ-HNG	Jim via remote rx Hungary
Dan-USA	Daniel LU5EMM via remote rx USA	MPJ-HOL	Jim via remote rx Netherlands
DPC	DPCxpert	RL	Roberto Landolpho, Brazil
EB4APL	EB4APL Ignacio	RR2	Rich Ray, IL, USA

LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	3947.75	12-9	2015	Thu	i.p. MSG MSG CK 17 CK 17 = TT7 36A T4N U6U 6DA T43T 35D NU5 5NA 5NA AR AR AR	CW	(JPL-HK)
---	5372	25-9	1010	Wed	Vega-33 55591 OBYeTOGALL 1628 2773	USB	(Gwr)
---	5372	25-9	1020	Wed	Vega-33 01468 ALOEh 3587 5579	USB	(Gwr)
---	5372	26-9	0842	Thu	Vega-33 92388 NYeRVOMART 5371 3449	USB	(Gwr)
---	5372	26-9	1006	Thu	Vega-33 11828 YeZhYeGOLOVNIK 4031 5166	USB	(Gwr)
---	5372	26-9	1428	Thu	Vega-33 92910 MYeTYeORITIKA 1387 0943	USB	(Gwr)
---	5372	30-9	1435	Mon	Vega-33 66228 GRAMZAPIS' 7453 8345 Mistake in reading, first time round reads 'myagkij znak' as 'ivan kratkij'	USB	(GWr)
---	5372	30-9	1445	Mon	Vega-33 91834 LYuEhSOShTOF 3615 9671	USB	(GWr)
DPRK	14410	5-9	1328	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13999	5-9	1330	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	19-9	0741	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14999	20-9	1419	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14418	20-9	1423	Fri	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	21-9	1210	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12222	21-9	1334	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	26-9	1225	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12207	26-9	1225	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12209	26-9	1225	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	16270	5-9	0600	Thu	354 207 61 207 61 13375 43663 92068 ... 58575 11608 49146 207 61 207 61 00000	USB	(AB-RUS/HFD-RUS)
E06	5186	5-9	2030	Thu	891 979 45 15432 86426 05598 ... 12346 73456 32422 979 45 00000 Windows shut down sound	USB	(AB/HFD-RUS)
E06	16265	6-9	0600	Fri	354 207 61 207 61 13375 43663 92068 ... 58575 11608 49146 207 61 207 61 00000	USB	(AB-RUS)
E06	5197	6-9	2130	Fri	891 979 45 15432 86426 05598 ... 12346 73456 32422 979 45 00000 Windows shut down sound	USB	(AB)
E06	14370	19-9	0500	Thu	354 689 51 01261 76389 27741 ... 75017 32236 56740 689 51 00000	USB	(AB-RUS)
E06	16265	19-9	0600	Thu	354 689 51 01261 76389 27741 ... 75017 32236 56740 689 51 00000	USB	(AB)
E06	5186	19-9	2030	Thu	891 472 52 12265 10965 47839 ... 53234 05124 95732 472 52 00000 891 Windows shut down sound	USB	(AB/HFD)
E06	14370	20-9	0500	Fri	354 689 51 01261 76389 27741 ... 75017 32236 56740 689 51 00000	USB	(AB-RUS)
E06	16265	20-9	0600	Fri	354 689 51 01261 76389 27741 ... 75017 32236 56740 689 51 00000	USB	(AB-RUS)
E06	5197	20-9	2130	Fri	Null message followed by a message: 634 634 634 00000 634 273 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000	USB	(AB/HFD)
E07	9064	1-9	0600	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/HFD)
E07	10264	1-9	0620	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/HFD)
E07	11464	1-9	0640	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(AB/HFD)
E07	9064	1-9	1300	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(MPJ/HFD)

E07	10264	1-9	1320	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(MPJ/HFD)
E07	11464	1-9	1340	Sun	024 024 024 1 838 49 838 49 20364 32154 52064 ... 09855 24955 24192 000 000	USB	(MPJ/HFD)
E07	12139	1-9	1700	Sun	161 161 161 000	USB	(AB/MPJ/HFD)
E07	10639	1-9	1720	Sun	161 161 161 000	USB	(AB/MPJ/HFD)
E07	14584	2-9	1900	Mon	535 535 535 1 724 115 724 115 79773 29440 38720 ... 44642 51327 86355 000 000	USB	(RL/MPJ/HFD)
E07	13384	2-9	1920	Mon	535 535 535 1 724 115 724 115 79773 29440 38720 ... 44642 51327 86355 000 000	USB	(RL/MPJ/HFD)
E07	11584	2-9	1940	Mon	535 535 535 1 724 115 724 115 79773 29440 38720 ... 44642 51327 86355 000 000	USB	(RL/MPJ/HFD)
E07	18438	3-9	1100	Tue	439 1 515 18 61534 40062 10164 ... 91219 80827 83878 000 000	USB	(MPJ/HFD)
E07	16338	3-9	1120	Tue	439 1 515 18 61534 40062 10164 ... 91219 80827 83878 000 000	USB	(MPJ/HFD)
E07	14938	3-9	1140	Tue	439 1 515 18 61534 40062 10164 ... 91219 80827 83878 000 000	USB	(MPJ/HFD)
E07	12139	4-9	1700	Wed	161 161 161 000	USB	(AB/MPJ)
E07	10639	4-9	1720	Wed	161 161 161 000	USB	(AB/MPJ)
E07	14584	4-9	1900	Wed	535 535 535 1 724 115 724 115 79773 29440 38720 ... 44642 51327 86355 000 000	USB	(AB/RL)
E07	13384	4-9	1920	Wed	535 535 535 1 724 115 724 115 79773 29440 38720 ... 44642 51327 86355 000 000	USB	(AB/RL)
E07	11584	4-9	1940	Wed	535 535 535 1 724 115 724 115 79773 29440 38720 ... 44642 51327 86355 000 000	USB	(AB/RL)
E07	16354	6-9	0700	Fri	363 363 363 000	USB	(AB)
E07	18654	6-9	0720	Fri	363 363 363 000	USB	(AB)
E07	18438	6-9	1100	Fri	439 1 515 18 61534 40062 10164 ... 91219 80827 83878 000 000	USB	(MPJ)
E07	16338	6-9	1120	Fri	439 1 515 18 61534 40062 10164 ... 91219 80827 83878 000 000	USB	(MPJ)
E07	14938	6-9	1140	Fri	439 1 515 18 61534 40062 10164 ... 91219 80827 83878 000 000	USB	(MPJ)
E07	9064	7-9	0600	Sat	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	10264	7-9	0620	Sat	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	11464	7-9	0640	Sat	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	9064	7-9	1300	Sat	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB/MPJ)
E07	10264	7-9	1320	Sat	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB/MPJ)
E07	11464	7-9	1340	Sat	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB/MPJ)
E07	9064	8-9	0600	Sun	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	10264	8-9	0620	Sun	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	11464	8-9	0640	Sun	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	9064	8-9	1300	Sun	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB/MPJ)
E07	10264	8-9	1320	Sun	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB/MPJ)
E07	11464	8-9	1340	Sun	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB/MPJ)
E07	12139	8-9	1700	Sun	161 161 161 1 536 139 536 139 53026 76330 38660 ... 85995 88310 13645 000 000	USB	(MPJ)
E07	9139	8-9	1720	Sun	161 161 161 1 536 139 536 139 53026 76330 38660 ... 85995 88310 13645 000 000	USB	(MPJ)
E07	10639	8-9	1720	Sun	161 161 161 1 536 139 536 139 53026 76330 38660 ... 85995 88310 13645 000 000	USB	(MPJ)
E07	14584	9-9	1900	Mon	535 535 535 1 378 23 378 23 23173 29337 80427 ... 83896 03054 39107 000 000	USB	(AB/MPJ/RL)
E07	13384	9-9	1920	Mon	535 535 535 1 378 23 378 23 23173 29337 80427 ... 83896 03054 39107 000 000	USB	(AB/MPJ/RL)
E07	11584	9-9	1940	Mon	535 535 535 1 378 23 378 23 23173 29337 80427 ... 83896 03054 39107 000 000	USB	(AB/MPJ/RL)
E07	16354	10-9	0700	Tue	363 363 363 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB/HFD)

E07	18654	10-9	0720	Tue	363 363 363 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB-AUT/HFD)
E07	19354	10-9	0740	Tue	363 363 363 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB-AUT/HFD)
E07	18438	10-9	1100	Tue	439 439 439 000	USB	(AB/MPJ)
E07	16338	10-9	1120	Tue	439 439 439 000	USB	(AB/MPJ)
E07	12139	11-9	1700	Wed	161 161 161 1 536 139 536 139 53026 67330 38660 ... 85995 88310 13645 000 000	USB	(AB/MPJ)
E07	10639	11-9	1720	Wed	161 161 161 1 536 139 536 139 53026 67330 38660 ... 85995 88310 13645 000 000	USB	(AB/MPJ)
E07	9139	11-9	1740	Wed	161 161 161 1 536 139 536 139 53026 67330 38660 ... 85995 88310 13645 000 000	USB	(AB/MPJ)
E07	14584	11-9	1900	Wed	535 535 535 1 378 23 378 23 23173 29337 80427 ... 83896 03054 39107 000 000	USB	(AB/RL)
E07	13384	11-9	1920	Wed	535 535 535 1 378 23 378 23 23173 29337 80427 ... 83896 03054 39107 000 000	USB	(AB/RL)
E07	11584	11-9	1940	Wed	535 535 535 1 378 23 378 23 23173 29337 80427 ... 83896 03054 39107 000 000	USB	(AB/RL)
E07	16354	13-9	0700	Fri	363 363 363 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB)
E07	18654	13-9	0720	Fri	363 363 363 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB)
E07	19354	13-9	0740	Fri	363 363 363 1 7140 34 7140 34 36712 00595 09872 ... 61161 67401 04198 000 000	USB	(AB)
E07	18438	13-9	1100	Fri	439 439 439 000	USB	(AB-POL)
E07	16338	13-9	1120	Fri	439 439 439 000	USB	(AB)
E07	9064	14-9	0600	Sat	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	10264	14-9	0620	Sat	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	11464	14-9	0640	Sat	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	9064	14-9	1300	Sat	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	10264	14-9	1320	Sat	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	11464	14-9	1340	Sat	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	16228	14-9	1410	Sat	594 594 594 000	USB	(AB-RUS/HFD)
E07	9064	15-9	0600	Sun	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	10264	15-9	0620	Sun	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	11464	15-9	0640	Sun	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	9064	15-9	1300	Sun	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	10264	15-9	1320	Sun	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	11464	15-9	1340	Sun	024 024 024 634 48 634 48 61207 69957 98876 ... 62743 11458 01537 000 000	USB	(AB)
E07	12139	15-9	1700	Sun	161 161 161 1 536 139 536 139 53026 67330 38660 ... 85995 88310 13645 000 000	USB	(AB)
E07	10639	15-9	1720	Sun	161 161 161 1 536 139 536 139 53026 67330 38660 ... 85995 88310 13645 000 000	USB	(AB)
E07	9139	15-9	1740	Sun	161 161 161 1 536 139 536 139 53026 67330 38660 ... 85995 88310 13645 000 000	USB	(AB)
E07	14584	16-9	1900	Mon	535 535 535 1 378 23 378 23 23173 29337 80427 ... 83896 03054 39107 000 000	USB	(AB/RL)
E07	13384	16-9	1920	Mon	535 535 535 1 378 23 378 23 23173 29337 80427 ... 83896 03054 39107 000 000	USB	(AB/RL)
E07	11584	16-9	1940	Mon	535 535 535 1 378 23 378 23 23173 29337 80427 ... 83896 03054 39107 000 000	USB	(AB/RL)
E07	16354	17-9	0700	Tue	363 363 363 000	USB	(AB)
E07	18654	17-9	0720	Tue	363 363 363 000	USB	(AB-AUT)
E07	18438	17-9	1100	Tue	439 439 439 000	USB	(AB)
E07	16338	17-9	1120	Tue	439 439 439 000	USB	(AB)
E07	12139	18-9	1700	Wed	161 161 161 1 536 139 536 139 53026 67330 38660 ... 85995 88310 13645 000 000	USB	(AB/MPJ)

E07	10639	18-9	1720	Wed	161 161 161 1 536 139 536 139 53026 67330 38660 ... 85995 88310 13645 000 000	USB	(AB/MPJ)
E07	9139	18-9	1740	Wed	161 161 161 1 536 139 536 139 53026 67330 38660 ... 85995 88310 13645 000 000	USB	(AB/MPJ)
E07	14584	18-9	1900	Wed	535 535 535 1 378 23 378 23 23173 29337 80427 ... 83896 03054 39107 000 000	USB	(AB/MPJ/RL)
E07	13384	18-9	1920	Wed	535 535 535 1 378 23 378 23 23173 29337 80427 ... 83896 03054 39107 000 000	USB	(AB/MPJ/RL)
E07	11584	18-9	1940	Wed	535 535 535 1 378 23 378 23 23173 29337 80427 ... 83896 03054 39107 000 000	USB	(AB/RL)
E07	16228	19-9	1410	Thu	594 594 594 000	USB	(AB-FIN/MPJ/HFD)
E07	15928	19-9	1430	Thu	594 594 594 000	USB	(AB-FIN/HFD)
E07	16354	20-9	0700	Fri	363 363 363 000	USB	(AB)
E07	18654	20-9	0720	Fri	363 363 363 000	USB	(AB)
E07	18438	20-9	1100	Fri	439 439 439 000	USB	(AB-RUS)
E07	16338	20-9	1120	Fri	439 439 439 000	USB	(AB)
E07	9064	21-9	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	21-9	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	21-9	1300	Sat	024 024 024 000	USB	(AB/MPJ)
E07	10264	21-9	1320	Sat	024 024 024 000	USB	(AB/MPJ)
E07	16228	21-9	1410	Sat	594 594 594 000	USB	(AB-AUT)
E07	15928	21-9	1430	Sat	594 594 594 000	USB	(AB-AUT)
E07	9064	22-9	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	22-9	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	22-9	1300	Sun	024 024 024 000	USB	(AB/MPJ)
E07	10264	22-9	1320	Sun	024 024 024 000	USB	(AB/MPJ)
E07	12139	22-9	1700	Sun	161 161 161 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	10639	22-9	1720	Sun	161 161 161 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	9139	22-9	1740	Sun	161 161 161 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/EB4APL/MPJ)
E07	14584	23-9	1900	Mon	535 535 535 000	USB	(AB/MPJ/RL)
E07	13384	23-9	1920	Mon	535 535 535 000	USB	(AB/MPJ/RL)
E07	16354	24-9	0700	Tue	363 363 363 1 6089 54 6089 54 87756 13752 17327 ... 71993 15121 03478 000 000	USB	(AB-FIN)
E07	18654	24-9	0720	Tue	363 363 363 1 6089 54 6089 54 87756 13752 17327 ... 71993 15121 03478 000 000	USB	(AB-FIN)
E07	19354	24-9	0740	Tue	363 363 363 1 6089 54 6089 54 87756 13752 17327 ... 71993 15121 03478 000 000	USB	(AB-FIN)
E07	18438	24-9	1100	Tue	439 439 439 1 8395 138 8395 148 20971 19428 25441 ... 15651 34480 41723 000 000	USB	(AB/MPJ)
E07	16338	24-9	1120	Tue	439 439 439 1 8395 138 8395 148 20971 19428 25441 ... 15651 34480 41723 000 000	USB	(AB/MPJ)
E07	14938	24-9	1140	Tue	439 439 439 1 8395 138 8395 148 20971 19428 25441 ... 15651 34480 41723 000 000	USB	(AB/MPJ)
E07	12139	25-9	1700	Wed	659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	10639	25-9	1720	Wed	659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	9139	25-9	1740	Wed	659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	14584	25-9	1900	Wed	535 535 535 000	USB	(AB/MPJ/Dan/RL)
E07	13384	25-9	1920	Wed	535 535 535 000	USB	(AB/MPJ/Dan)
E07	16228	26-9	1410	Thu	594 594 594 1 529 45 529 45 58489 21126 49298 ... 32569 09125 93891 000 000	USB	(AB-G/MPJ)
E07	15928	26-9	1430	Thu	594 594 594 1 529 45 529 45 58489 21126 49298 ... 32569 09125 93891 000 000	USB	(AB-G/MPJ)

E07	14928	26-9	1450	Thu	594 594 594 1 529 45 529 45 58489 21126 49298 ... 32569 09125 93891 000 000	USB	(AB-G/MPJ)
E07	16354	27-9	0700	Fri	363 363 363 1 6089 54 6089 54 87756 13752 17327 ... 71993 15121 03478 000 000	USB	(AB-FIN)
E07	18654	27-9	0720	Fri	363 363 363 1 6089 54 6089 54 87756 13752 17327 ... 71993 15121 03478 000 000	USB	(AB-UKR)
E07	19354	27-9	0740	Fri	363 363 363 1 6089 54 6089 54 87756 13752 17327 ... 71993 15121 03478 000 000	USB	(AB-POL)
E07	18438	27-9	1100	Fri	439 439 439 1 8395 138 8395 148 20971 19428 25441 ... 15651 34480 41723 000 000	USB	(AB-G/MPJ)
E07	16338	27-9	1120	Fri	439 439 439 1 8395 138 8395 148 20971 19428 25441 ... 15651 34480 41723 000 000	USB	(AB/MPJ)
E07	14938	27-9	1140	Fri	439 439 439 1 8395 138 8395 148 20971 19428 25441 ... 15651 34480 41723 000 000	USB	(AB/MPJ)
E07	9064	28-9	0600	Sat	024 024 024 000	USB	(AB/RSch)
E07	10264	28-9	0620	Sat	024 024 024 000	USB	(AB/RSch)
E07	9064	28-9	1300	Sat	024 024 024 000	USB	(MPJ)
E07	10264	28-9	1320	Sat	024 024 024 000	USB	(MPJ)
E07	9064	29-9	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	29-9	0620	Sun	024 024 024 000	USB	(AB)
E07	9064	29-9	1300	Sun	024 024 024 000	USB	(AB/MPJ)
E07	10264	29-9	1320	Sun	024 024 024 000	USB	(AB/MPJ)
E07	12139	29-9	1700	Sun	161 161 161 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	10639	29-9	1720	Sun	161 161 161 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	9139	29-9	1740	Sun	161 161 161 1 659 121 659 121 78926 52608 50985 ... 98393 50307 40256 000 000	USB	(AB/MPJ)
E07	14584	30-9	1900	Mon	535 535 535 000	USB	(AB/MPJ)
E07	13384	30-9	1920	Mon	535 535 535 000	USB	(AB/MPJ)
E07a	8144	4-9	2000	Wed	197 197 197 000	USB	(AB/RL)
E07a	6944	4-9	2020	Wed	197 197 197 000	USB	(AB/RL)
E07a	6788	5-9	0430	Thu	741 741 741 000	USB	(AB/HFD)
E07a	7488	5-9	0450	Thu	741 741 741 000	USB	(AB/HFD)
E07a	10583	6-9	1510	Fri	531 531 531 000	USB	(MPJ/HFD)
E07a	9383	6-9	1530	Fri	531 531 531 000	USB	(MPJ/HFD)
E07a	11153	7-9	0800	Sat	114 114 114 000	USB	(AB)
E07a	12153	7-9	0820	Sat	114 114 114 000	USB	(AB)
E07a	8144	11-9	2000	Wed	197 197 197 000	USB	(AB/RL/HFD)
E07a	6944	11-9	2020	Wed	197 197 197 000	USB	(AB/RL/HFD)
E07a	6788	12-9	0430	Thu	741 741 741 000	USB	(AB)
E07a	7488	12-9	0450	Thu	741 741 741 000	USB	(AB)
E07a	10583	13-9	1510	Fri	531 531 531 000	USB	(AB/GHn)
E07a	9383	13-9	1530	Fri	531 531 531 000	USB	(AB)
E07a	11153	14-9	0800	Sat	114 114 114 000	USB	(AB)
E07a	12153	14-9	0820	Sat	114 114 114 000	USB	(AB)
E07a	8144	18-9	2000	Wed	197 197 197 000	USB	(AB)
E07a	6944	18-9	2020	Wed	197 197 197 000	USB	(AB)
E07a	6788	19-9	0430	Thu	741 741 741 000	USB	(AB)

E07a	7488	19-9	0450	Thu	741 741 741 000	USB	(AB)
E07a	10583	20-9	1510	Fri	531 531 531 000	USB	(AB/MPJ)
E07a	9383	20-9	1530	Fri	531 531 531 000	USB	(AB/MPJ)
E07a	11153	21-9	0800	Sat	114 114 114 000	USB	(AB/HFD)
E07a	12153	21-9	0820	Sat	114 114 114 000	USB	(AB/HFD)
E07a	8144	25-9	2000	Wed	197 197 197 000	USB	(AB)
E07a	6944	25-9	2020	Wed	197 197 197 000	USB	(AB)
E07a	6788	26-9	0430	Thu	741 741 741 000	USB	(AB)
E07a	7488	26-9	0450	Thu	741 741 741 000	USB	(AB)
E07a	10583	27-9	1510	Fri	531 531 531 000	USB	(AB/MPJ)
E07a	9383	27-9	1530	Fri	531 531 531 000	USB	(AB/MPJ)
E07a	11153	28-9	0800	Sat	114 114 114 000	USB	(AB/RSch)
E07a	12153	28-9	0820	Sat	114 114 114 000	USB	(AB)
E11	5779	1-9	0435	Sun	351/00	USB	(AB)
E11	8102	1-9	0710	Sun	498/00	USB	(AB/HFD)
E11	5371	1-9	0805	Sun	310/00	USB	(AB/HFD)
E11	6923	1-9	1625	Sun	974/00	USB	(HFD)
E11	11116	1-9	1650	Sun	924/00	USB	(HFD)
E11	13470	1-9	1745	Sun	247/00	USB	(AB/MPJ)
E11	13470	1-9	1745	Sun	247/00	USB	(HFD)
E11	8530	1-9	1910	Sun	612/00	USB	(AB/MPJ)
E11	8530	1-9	1910	Sun	612/00	USB	(HFD)
E11	4505	1-9	1930	Sun	369/00	USB	(HFD)
E11	4505	1-9	1930	Sun	369/00	USB	(AB/MPJ)
E11	13873	2-9	0600	Mon	181/00	USB	(HFD)
E11	12153	2-9	0640	Mon	948/00	USB	(HFD)
E11	10213	2-9	0745	Mon	267/00	USB	(HFD)
E11	8180	2-9	0900	Mon	533/00	USB	(HFD)
E11	5737	2-9	1530	Mon	522/00	USB	(MPJ/HFD)
E11	13470	2-9	1745	Mon	247/00	USB	(MPJ/HFD)
E11	12202	3-9	0845	Tue	152/00	USB	(HFD)
E11	6923	3-9	1205	Tue	4??/00	USB	(MPJ)
E11	10800	3-9	1645	Tue	337/00	USB	(MPJ-RUS)
E11	6940	4-9	0930	Wed	275/00	USB	(HFD)
E11	6923	4-9	1205	Wed	460/00	USB	(MPJ)
E11	6923	4-9	1625	Wed	977/00	USB	(AB)
E11	4181	4-9	1705	Wed	392/00	USB	(AB/MPJ/HFD)
E11	12202	5-9	0845	Thu	156/00	USB	(AB)
E11	6940	5-9	0930	Thu	277/00	USB	(AB/HFD)

E11	10330	5-9	1530	Thu	264/00	USB	(AB/MPJ/HFD)
E11	10800	5-9	1645	Thu	332/00	USB	(AB/MPJ)
E11	7864	5-9	1730	Thu	416/00	USB	(AB/MPJ/HFD)
E11	5779	6-9	0435	Fri	350/00	USB	(AB)
E11	13873	6-9	0600	Fri	183/00	USB	(AB-POL)
E11	8180	6-9	0700	Fri	571/00	USB	(AB)
E11	9963	6-9	0715	Fri	634/00	USB	(AB)
E11	17410	6-9	0745	Fri	342/00	USB	(AB)
E11	5737	6-9	1530	Fri	522/00	USB	(MPJ)
E11	11116	6-9	1650	Fri	922/00	USB	(MPJ)
E11	8102	7-9	0705	Sat	495/00	USB	(AB)
E11	5371	7-9	0805	Sat	312/00	USB	(AB)
E11	4181	7-9	1705	Sat	391/00	USB	(AB/MPJ)
E11	5779	8-9	0435	Sun	354/00	USB	(AB)
E11	8102	8-9	0705	Sun	496/00	USB	(AB)
E11	5371	8-9	0805	Sun	315/00	USB	(AB)
E11	5082	8-9	1605	Sun	237/00	USB	(AB/MPJ)
E11	6923	8-9	1625	Sun	977/00	USB	(AB)
E11	11116	8-9	1650	Sun	920/00	USB	(MPJ)
E11	13470	8-9	1745	Sun	246/00	USB	(MPJ)
E11	8530	8-9	1910	Sun	614/00	USB	(AB/MPJ)
E11	5371	9-9	0450	Mon	418/00	USB	(AB)
E11	13873	9-9	0600	Mon	189/00	USB	(AB-POL)
E11	12153	9-9	0640	Mon	941/00	USB	(AB-POL)
E11	10213	9-9	0745	Mon	269/00	USB	(AB)
E11	7317	9-9	1045	Mon	692/00	USB	(AB)
E11	7317	9-9	1900	Mon	647/00	USB	(AB/MPJ)
E11	10800	10-9	0645	Tue	517/00	USB	(AB/HFD)
E11	8180	10-9	0700	Tue	573/00	USB	(AB/HFD)
E11	9963	10-9	0715	Tue	639/00	USB	(HFD)
E11	19184	10-9	0820	Tue	133/00	USB)	(AB-POL/HFD-POL)
E11	7317	10-9	1000	Tue	309/00	USB	(AB/HFD)
E11	6923	10-9	1205	Tue	465/00	USB	(AB/MPJ/HFD)
E11	10800	10-9	1645	Tue	330/00	USB	(AB/GHn/MPJ)
E11	7850	11-9	0315	Wed	253/00	USB	(AB)
E11	12153	11-9	0640	Wed	946/00	USB	(AB)
E11	7317	11-9	1045	Wed	690/00	USB	(AB)
E11	6923	11-9	1205	Wed	463/00	USB	(AB/MPJ)
E11	10800	12-9	0645	Thu	519/00	USB	(AB)

E11	10800	12-9	1645	Thu	338/00	USB	(AB/MPJ)
E11	7864	12-9	1730	Thu	412/00	USB	(AB/MPJ)
E11	7317	12-9	1900	Thu	643/00	USB	(AB/MPJ)
E11	5779	13-9	0435	Fri	354/00	USB	(AB)
E11	13873	13-9	0600	Fri	188/00	USB	(AB-POL)
E11	8180	13-9	0700	Fri	571/00	USB	(AB)
E11	9963	13-9	0715	Fri	639/00	USB	(AB)
E11	5941	13-9	0820	Fri	439/00	USB	(AB)
E11	7317	13-9	1000	Fri	300/00	USB	(AB)
E11	11116	13-9	1650	Fri	925/00	USB	(AB)
E11	8102	14-9	0705	Sat	495/00	USB	(AB)
E11	14972	14-9	1345	Sat	918/00	USB	(AB/HFD)
E11	4505	14-9	1930	Sat	366/00	USB	(AB)
E11	8102	15-9	0705	Sun	492/00	USB	(AB)
E11	11116	15-9	1650	Sun	921/00	USB	(AB)
E11	4505	15-9	1930	Sun	367/00	USB	(AB-POL)
E11	8180	16-9	0900	Mon	534/00	USB	(AB)
E11	7317	16-9	1045	Mon	698/00	USB	(AB)
E11	5737	16-9	1530	Mon	528/00	USB	(AB/MPJ)
E11	13470	16-9	1745	Mon	245/00	USB	(AB/MPJ)
E11	7317	16-9	1900	Mon	640/00	USB	(AB)
E11	12202	17-9	0845	Tue	150/00	USB	(AB)
E11	7317	17-9	1000	Tue	307/00	USB	(AB)
E11	7850	18-9	0315	Wed	253?/00	USB	(AB)
E11	19184	18-9	0820	Wed	132/00	USB	(AB-POL)
E11	8180	18-9	0900	Wed	535/00	USB	(AB)
E11	6940	18-9	0930	Wed	277/00	USB	(AB)
E11	7317	18-9	1045	Wed	698/00	USB	(AB)
E11	6923	18-9	1625	Wed	976/00	USB	(AB/MPJ)
E11	4181	18-9	1705	Wed	393/00	USB	(MPJ)
E11	10800	19-9	0645	Thu	511/00	USB	(AB)
E11	5941	19-9	0820	Thu	436/00	USB	(AB/HFD)
E11	12202	19-9	0845	Thu	155/00	USB	(AB)
E11	6940	19-9	0930	Thu	271/00	USB	(AB)
E11	7317	19-9	1900	Thu	643/00	USB	(AB/MPJ)
E11	5779	20-9	0635	Fri	358/00	USB	(AB)
E11	17410	20-9	0745	Fri	342/00	USB	(AB-POL)
E11	5941	20-9	0820	Fri	431/00	USB	(AB)
E11	7317	20-9	1000	Fri	306/00	USB	(AB)

E11	5737	20-9	1530	Fri	520/00	USB	(AB/MPJ)
E11	11116	20-9	1650	Fri	921/00	USB	(AB/MPJ)
E11	8530	20-9	1910	Fri	612/00	USB	(AB)
E11	8102	21-9	0705	Sat	497/00	USB	(AB)
E11	5371	21-9	0805	Sat	310/00	USB	(AB)
E11	4181	21-9	1705	Sat	396/00	USB	(AB/MPJ/GHn)
E11	4505	21-9	1930	Sat	360/00	USB	(AB)
E11	8102	22-9	0705	Sun	490/00	USB	(AB)
E11	5371	22-9	0805	Sun	310/00	USB	(AB)
E11	5082	22-9	1605	Sun	230/00	USB	(AB/MPJ)
E11	6923	22-9	1625	Sun	976/00	USB	(AB/MPJ)
E11	11116	22-9	1650	Sun	929/00	USB	(AB/MPJ)
E11	13470	22-9	1745	Sun	242/00	USB	(AB/MPJ)
E11	8530	22-9	1910	Sun	610/00	USB	(AB-POL/MPJ)
E11	4505	22-9	1930	Sun	363/00	USB	(AB-POL)
E11	5371	23-9	0450	Mon	418/00	USB	(AB)
E11	13873	23-9	0600	Mon	185/00	USB	(AB-POL)
E11	12153	23-9	0640	Mon	949/00	USB	(AB)
E11	10213	23-9	0745	Mon	268/00	USB	(AB)
E11	8180	23-9	0900	Mon	530/00	USB	(AB)
E11	7317	23-9	1045	Mon	692/00	USB	(AB)
E11	5737	23-9	1530	Mon	522/00	USB	(AB/MPJ)
E11	13470	23-9	1745	Mon	244/00	USB	(AB/MPJ)
E11	7317	23-9	1900	Mon	643/00	USB	(AB/MPJ)
E11	10800	24-9	0645	Tue	515/00	USB	(AB)
E11	8180	24-9	0700	Tue	571/00	USB	(AB)
E11	12202	24-9	0845	Tue	157/00	USB	(AB)
E11	6923	24-9	1205	Tue	466/00	USB	(AB/MPJ)
E11	14972	24-9	1345	Tue	914/00	USB	(AB/MPJ)
E11	5802	24-9	1605	Tue	238/00	USB	(AB/MPJ)
E11	10800	24-9	1645	Tue	335/00	USB	(AB/MPJ)
E11	12153	25-9	0640	Wed	945/00	USB	(AB)
E11	17410	25-9	0745	Wed	343/00	USB	(AB-POL)
E11	8180	25-9	0900	Wed	532/00	USB	(AB)
E11	6940	25-9	0930	Wed	273/00	USB	(AB)
E11	7317	25-9	1045	Wed	694/00	USB	(AB)
E11	6923	25-9	1205	Wed	465/00	USB	(AB)
E11	6923	25-9	1625	Wed	972/00	USB	(MPJ)
E11	4181	25-9	1705	Wed	390/00	USB	(AB/MPJ)

E11	10800	26-9	0645	Thu	514/00	USB	(AB)
E11	12202	26-9	0845	Thu	154/00	USB	(AB)
E11	6940	26-9	0930	Thu	271/00	USB	(AB)
E11	10330	26-9	1530	Thu	262/00	USB	(AB/GHn/MPJ)
E11	10800	26-9	1645	Thu	338/00	USB	(AB/MPJ)
E11	7864	26-9	1730	Thu	413/00	USB	(AB/MPJ)
E11	7317	26-9	1900	Thu	641/00	USB	(AB/MPJ)
E11	13873	27-9	0600	Fri	185/00	USB	(AB)
E11	8180	27-9	0700	Fri	574/00	USB	(AB)
E11	9963	27-9	0715	Fri	635/00	USB	(AB)
E11	17410	27-9	0745	Fri	347/00	USB	(AB-POL)
E11	5737	27-9	1530	Fri	522/00	USB	(AB/MPJ)
E11	8530	27-9	1910	Fri	614/00	USB	(AB/MPJ)
E11	5371	28-9	0805	Sat	319/00	USB	(AB/RSch)
E11	14972	28-9	1345	Sat	914/00	USB	(AB-POL)
E11	4181	28-9	1705	Sat	394/00	USB	(AB)
E11	4505	28-9	1930	Sat	360/00	USB	(AB/RSch)
E11	5371	29-9	0805	Sun	313/00	USB	(AB)
E11	5082	29-9	1605	Sun	235/00	USB	(AB/MPJ)
E11	6923	29-9	1625	Sun	975/00	USB	(AB/MPJ)
E11	13470	29-9	1745	Sun	249/00	USB	(AB)
E11	8530	29-9	1910	Sun	612/00	USB	(AB/MPJ)
E11	4505	29-9	1930	Sun	369/00	USB	(AB/MPJ)
E11	5371	30-9	0450	Mon	Active but unreadable	USB	(AB)
E11	13873	30-9	0600	Mon	189/00	USB	(AB-POL)
E11	12153	30-9	0640	Mon	944/00	USB	(AB)
E11	10213	30-9	0745	Mon	264/00	USB	(AB)
E11	8180	30-9	0900	Mon	538/00	USB	(AB)
E11	7317	30-9	1045	Mon	694/00	USB	(AB/MPJ)
E11	5737	30-9	1530	Mon	528/00	USB	(GHn/MPJ)
E11	7317	30-9	1900	Mon	647/00	USB	(AB/MPJ)
E11a	7317	2-9	1045	Mon	697/25 Attention 77278 ...	USB	(HFD)
E11a	7317	2-9	1900	Mon	644/34 Attention 91614 60978 88045 ... 48354 97787 02531 Attention (message repeated) out	USB	(MPJ/HFD)
E11a	10800	5-9	0645	Thu	518/34 Attention 31071 46909 62841 ... 99957 09010 85994 Attention (message repeated) Out	USB	(AB)
E11a	7317	5-9	1900	Thu	644/34 Attention 91614 60978 88045 ... 48354 97787 02531 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	4505	7-9	1930	Sat	364/36 Attention 97159 87073 83135 ... 12789 80458 38563 Attention (message repeated) Out	USB	(AB)
E11a	4505	8-9	1930	Sun	364/36 Attention 97159 87073 83135 ... 12789 80458 38563 Attention (message repeated) Out	USB	(AB-POL)
E11a	8180	9-9	0900	Mon	530/40 Attention 27356 95503 07832 ... 76221 01250 39658 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	5737	9-9	1530	Mon	525/34 Attention 31702 17555 96148 ... 44271 76615 35736 Attention (message repeated) Out	USB	(AB/MPJ)

E11a	13470	9-9	1745	Mon	245/38 Attention 47287 48922 80767 ... 74589 09898 42884 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	12202	10-9	0845	Tue	152/33 Attention 71879 91001 83345 ... 25851 24636 41219 Attention (message repeated) Out	USB	(AB)
E11a	5082	10-9	1605	Tue	230/32 Attention 20569 36041 13429 ... 19786 34170 26152 Attention (message repeated) Out	USB	(AB/MPJ/HFD)
E11a	6923	11-9	1625	Wed	975/35 Attention 42636 50513 40194 ... 02814 28769 47810 83033 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4181	11-9	1705	Wed	396/31 Attention 69608 61758 20047 ... 91007 20542 66958 Attention (message repeated) Out	USB	(AB/MPJ/HFD)
E11a	17410	13-9	0745	Fri	340/33 Attention 00603 34414 63185 ... 05328 04176 95154 Attention (message repeated) Out	USB	(AB)
E11a	5371	14-9	0805	Sat	319/40 Attention 84846 94242 85315 ... 62127 70175 08033 Attention (message repeated) Out	USB	(AB)
E11a	4181	14-9	1705	Sat	396/31 Attention 69608 61758 20047 ... 91007 20542 66958 Attention (message repeated) Out	USB	(AB)
E11a	5371	15-9	0805	Sun	319/40 Attention 84846 94242 85315 ... 62127 70175 08033 Attention (message repeated) Out	USB	(AB)
E11a	5082	15-9	1605	Sun	230/32 Attention 20569 36041 13429 ... 19786 34170 26152 Attention (message repeated) Out	USB	(AB)
E11a	6923	15-9	1625	Sun	975/35 Attention 42636 50513 40194 ... 02814 28769 47810 83033 Attention (message repeated) Out	USB	(AB)
E11a	8530	15-9	1910	Sun	616/36 Attention 43844 46044 40038 ... 19269 40404 09204 Attention (message repeated) Out	USB	(AB)
E11a	5371	16-9	0450	Mon	418/33 Attention 28016 76436 20208 ... 97055 43543 09492 Attention (message repeated) Out	USB	(AB)
E11a	13873	16-9	0600	Mon	189/36 Attention 16175 14799 01948 ... 14096 36895 69833 Attention (message repeated) Out	USB	(AB-POL)
E11a	12153	16-9	0640	Mon	948/25 Attention 65311 15287 41750 ... 42952 36579 93037 Attention (message repeated) Out	USB	(AB-POL)
E11a	8180	17-9	0700	Tue	570/31 Attention 26002 01566 25659 ... 51269 34598 51888 Attention (message repeated) Out	USB	(AB)
E11a	9963	17-9	0715	Tue	633/31 Attention 60950 85549 91602 ... 33683 56354 32128 Attention (message repeated) Out	USB	(AB)
E11a	9963	17-9	0715	Tue	633/31 Attention 60950 85549 91602 ... 33683 56354 32128 Attention (message repeated) Out	USB	(AB)
E11a	14972	17-9	1345	Tue	910/35 Attention 25276 66274 87401 ... 41742 14259 35750 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	10800	17-9	1645	Tue	333/39 Attention 07622 04234 09477 ... 58900 62101 59175 Attention (message repeated) Out	USB	(MPJ)
E11a	12153	18-9	0640	Wed	948/25 Attention 65311 15287 41750 ... 42952 36579 93037 Attention (message repeated) Out	USB	(AB)
E11a	6923	18-9	1205	Wed	465/32 Attention 59866 42626 14011 ... 56336 11954 29833 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	10330	19-9	1530	Thu	260/33 Attention 07161 30383 85347 ... 52299 80982 42095 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	10800	19-9	1645	Thu	333/39 Attention 07622 04234 09477 ... 58900 62101 59175 Attention (message reported) Out	USB	(AB/MPJ/HFD)
E11a	7864	19-9	1730	Thu	418/33 Attention 28016 76436 20208 ... 97055 43543 09492 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	13873	20-9	0600	Fri	189/36 Attention 16175 14799 01948 ... 14096 36895 69833 Attention (message repeated) Out	USB	(AB-POL)
E11a	8180	20-9	0700	Fri	570/31 Attention 26002 01566 25659 ... 51269 34598 51888 Attention (message repeated) Out	USB	(AB)
E11a	9963	20-9	0715	Fri	633/31 Attention 60950 85549 91602 ... 33683 56354 32128 Attention (message repeated) Out	USB	(AB)
E11a	14972	21-9	1345	Sat	910/35 Attention 25276 66274 87401 ... 41742 14259 35750 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	19184	24-9	0820	Tue	138/36 Attention 60163 57761 88166 ... 71103 53355 90462 Attention (message repeated) Out	USB	(AB-POL)
E11a	7317	24-9	1000	Tue	309/30 Attention 06169 24018 83550 ... 24103 26720 55741 Attention (message repeated) Out	USB	(AB)
E11a	19184	25-9	0820	Wed	138/36 Attention 60163 57761 88166 ... 71103 53355 90462 Attention (message repeated) Out	USB	(AB-POL)
E11a	5941	26-9	0820	Thu	435/31 Attention 92329 39374 09994 ... 01637 67083 60313 Attention (message repeated) Out	USB	(AB)
E11a	5779	27-9	0635	Fri	355/36 Attention 12646 84785 09308 ... 47482 47180 82420 Attention (message repeated) Out	USB	(AB)
E11a	5941	27-9	0820	Fri	435/31 Attention 92329 39374 09994 ... 01637 67083 60313 Attention (message repeated) Out	USB	(AB)
E11a	7317	27-9	1000	Fri	309/30 Attention 06169 24018 83550 ... 24103 26720 55741 Attention (message repeated) Out	USB	(AB)
E11a	11116	27-9	1650	Fri	922/38 Attention 75362 92866 93497 ... 56914 34385 25677 Attention (message repeated) Out	USB	(AB/MPJ)

E11a	8102	28-9	0705	Sat	498/40 Attention 98564 09924 90740 ... 40413 16009 11908 Attention (message repeated) Out	USB	(AB/RSch)
E11a	8102	29-9	0705	Sun	498/40 Attention 98564 09924 90740 ... 40413 16009 11908 Attention (message repeated) Out	USB	(AB)
E11a	11116	29-9	1650	Sun	922/38 Attention 75362 92866 93497 ... 56914 34385 25677 Attention (message repeated) Out	USB	(AB/MPJ)
E17z	12931	5-9	0800	Thu	217-894/5=38367 bad modulation hum nom. 14260 //14261	USB	(HFD)
E17z	14261	5-9	0800	Thu	217 894 5 38367 33406 42366 ??868 37250 894 5 00000	AM/USB	(AB/HFD)
E17z	12391	5-9	0810	Thu	217 894 5 38367 33406 42366 ??868 37250 894 5 00000	AM/USB	(AB/HFD)
E17z	14261	19-9	0800	Thu	217 849 5 22262 54485 82606 07321 11437 849 5 00000	AM/USB	(AB)
E17z	14261	19-9	0800	Thu	217 849 5 22262 54485 82606 07321 11437 849 5 00000	AM/USB	(AB-G)
E17z	12391	19-9	0810	Thu	217 849 5 22262 54485 82606 07321 11437 849 5 00000	AM/USB	(AB)
E17z	12391	19-9	0810	Thu	217 849 5 22262 54485 82606 07321 11437 849 5 00000	AM/USB	(AB)
EGY	8135.7	10-9	1937	Tue	MFA Cairo clg OOVp: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	13556.7	16-9	0736	Mon	Egyptian diplo i.p. ending with ODSWJ KDPDKJ DSW 1 HS 17 +? HUXD KY HUXD +? followed by Codan 16-tone traffic	SITOR-A 100/170	(AB)
EGY	12226.7	21-9	1149	Sat	Egyptian diplo i.p. C54 86E47 77104 12BF4 ... 880BE 6AF69 45975 2DBA NNNNNN	SITOR-A 100/170	(AB)
EGY	14622.7	27-9	0955	Fri	Egyptian diplo i.p.	SITOR-A 100/170	(AB)
F01	13467	4-9	1840	Wed	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(AB/MPJ/RL)
F01	11084	4-9	1850	Wed	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(AB/MPJ/RL)
F01	9052	4-9	1900	Wed	Russian diplo/intel. 5761 00000+++++++162)	FSK 200/500	(AB/MPJ)
F03a	7840	5-9	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	5-9	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	5-9	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	5-9	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	19515	9-9	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	19515	9-9	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	7798	9-9	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	9-9	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	18030	10-9	0800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	18030	10-9	0805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	10-9	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	10-9	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	19515	11-9	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	19515	11-9	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	7840	12-9	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	12-9	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	12-9	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	12-9	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	13-9	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	13-9	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	19515	16-9	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)

F03a	19515	16-9	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	7798	16-9	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	16-9	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	17-9	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	17-9	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	19515	18-9	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	19515	18-9	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	18030	18-9	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	18030	18-9	0805	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	18-9	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	18-9	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	19-9	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	19-9	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	19-9	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	19-9	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	20-9	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	20-9	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	19515	23-9	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	19515	23-9	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	7798	23-9	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	23-9	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	18030	24-9	0800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	18030	24-9	0805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	24-9	1800	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	7840	24-9	1805	Tue	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	19515	25-9	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	19515	25-9	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	18030	25-9	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	18030	25-9	0805	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	25-9	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	15915	25-9	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	7840	26-9	1800	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7840	26-9	1805	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	26-9	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	26-9	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	15915	27-9	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	15915	27-9	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz	(AB/MPJ)
F03a	19515	30-9	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)
F03a	19515	30-9	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB-POL)

F03a	7798	30-9	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03a	7798	30-9	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03b	5844	11-9	0430	Wed	Polish intel.	FSK-2 200Bd/400Hz	(AB)
F03b	5844	11-9	0435	Wed	Polish intel.	FSK-2 200Bd/400Hz	(AB)
F03b	5844	12-9	0430	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
F03b	5844	12-9	0435	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
F03b	5844	18-9	0430	Wed	Polish intel.	FSK-2 200Bd/400Hz	(AB)
F03b	5844	18-9	0435	Wed	Polish intel.	FSK-2 200Bd/400Hz	(AB)
F03b	5844	19-9	0430	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
F03b	5844	19-9	0435	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
F03b	5844	25-9	0430	Wed	Polish intel.	FSK-2 200Bd/400Hz	(AB)
F03b	5844	25-9	0435	Wed	Polish intel.	FSK-2 200Bd/400Hz	(AB)
F03b	5844	26-9	0430	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
F03b	5844	26-9	0435	Thu	Polish intel.	FSK-2 200Bd/400Hz	(AB)
F03j	8305	5-9	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	5-9	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	5-9	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	5-9	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	10-9	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	10-9	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	10-9	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	10-9	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	11450	10-9	0945	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	11450	10-9	0950	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	12-9	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	12-9	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	11450	13-9	0945	Fri	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	11450	13-9	0950	Fri	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	11450	17-9	0945	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	11450	17-9	0950	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	19-9	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	19-9	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	19-9	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	19-9	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	11450	20-9	0945	Fri	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	11450	20-9	0950	Fri	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	24-9	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	24-9	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	24-9	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)

F03j	13046	24-9	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	11450	24-9	0945	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	11450	24-9	0950	Tue	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	26-9	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	8305	26-9	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	26-9	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	13046	26-9	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	11450	27-9	0945	Fri	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F03j	11450	27-9	0950	Fri	Polish intel.	FSK-4 100Bd/400Hz	(AB)
F06	14455	1-9	1530	Sun	Russian diplo/intel. 11166 10053 13579 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12065	1-9	1540	Sun	Russian diplo/intel. 11166 10053 13579 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10426	1-9	1550	Sun	Russian diplo/intel. 11166 10053 13579 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14828	3-9	1650	Tue	Russian diplo/intel. 11166 10053 19386 03001 00049 00000 00000	FSK 200/1000	(MPJ)
F06	12214	3-9	1700	Tue	Russian diplo/intel. 11166 10053 19386 03001 00049 00000 00000	FSK 200/1000	(MPJ)
F06	10534	3-9	1710	Tue	Russian diplo/intel. 11166 10053 19386 03001 00049 00000 00000	FSK 200/1000	(MPJ)
F06	15930	5-9	0600	Thu	Russian diplo/intel. Header: 11166 40122 16385 31048 03579	FSK 200/1000	(AB-NZL)
F06	13503	5-9	0610	Thu	Russian diplo/intel. Header: 11166 40122 16385 31048 03579	FSK 200/1000	(AB-J)
F06	11109	5-9	0620	Thu	Russian diplo/intel. Header: 11166 40122 16385 31048 03579	FSK 200/1000	(AB-J)
F06	11125	5-9	0800	Thu	Russian diplo/intel. 11166 70048 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9098	5-9	0810	Thu	Russian diplo/intel. 11166 70048 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7447	5-9	0820	Thu	Russian diplo/intel. 11166 70048 13579 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15709	5-9	1330	Thu	Russian diplo/intel. 11166 80214 15963 05053 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13541	5-9	1340	Thu	Russian diplo/intel. 11166 80214 15963 05053 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10529	5-9	1350	Thu	Russian diplo/intel. 11166 80214 15963 05053 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14463	7-9	2100	Sat	Russian diplo/intel. 11166 40133 79316 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12139	7-9	2110	Sat	Russian diplo/intel. 11166 40133 79316 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11045	7-9	2120	Sat	Russian diplo/intel. 11166 40133 79316 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14455	8-9	1530	Sun	Russian diplo/intel. 11166 10053 13579 08066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12065	8-9	1540	Sun	Russian diplo/intel. 11166 10053 13579 08066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10426	8-9	1550	Sun	Russian diplo/intel. 11166 10053 13579 08066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	6935	10-9	0040	Tue	Russian diplo/intel. 11166 60070 13579 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5768	10-9	0050	Tue	Russian diplo/intel. 11166 60070 13579 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14828	10-9	1650	Tue	Russian diplo/intel. 11166 10053 74123 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	12214	10-9	1700	Tue	Russian diplo/intel. 11166 10053 74123 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10534	10-9	1710	Tue	Russian diplo/intel. 11166 10053 74123 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15930	11-9	0600	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 79315 07049 03029 and 11166 40122 62487 07050 02629	FSK 200/1000	(AB-KOR)
F06	13503	11-9	0610	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 79315 07049 03029 and 11166 40122 62487 07050 02629	FSK 200/1000	(AB-CHN)

F06	11109	11-9	0620	Wed	Russian diplo/intel. Two messages. Headers: 11166 40122 79315 07049 03029 and 11166 40122 62487 07050 02629	FSK 200/1000	(AB-CHN)
F06	16260	11-9	0800	Wed	Russian diplo/intel. Header: 11166 00052 15468 11044 01639	FSK 200/1000	(AB)
F06	14386	11-9	0810	Wed	Russian diplo/intel. Header: 11166 00052 15468 11044 01639	FSK 200/1000	(AB)
F06	12098	11-9	0820	Wed	Russian diplo/intel. Header: 11166 00052 15468 11044 01639	FSK 200/1000	(AB)
F06	16146	11-9	0915	Wed	Russian diplo/intel. 11166 10031 46528 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13385	11-9	0925	Wed	Russian diplo/intel. 11166 10031 46528 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11434	11-9	0935	Wed	Russian diplo/intel. 11166 10031 46528 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15930	12-9	0600	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 79315 07049 03029 and 11166 40122 62487 07050 02629	FSK 200/1000	(AB-J)
F06	13503	12-9	0610	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 79315 07049 03029 and 11166 40122 62487 07050 02629	FSK 200/1000	(AB-J)
F06	11109	12-9	0620	Thu	Russian diplo/intel. Two messages. Headers: 11166 40122 79315 07049 03029 and 11166 40122 62487 07050 02629	FSK 200/1000	(AB-J)
F06	15709	12-9	1330	Thu	Russian diplo/intel. 11166 80214 51247 12049 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	13541	12-9	1340	Thu	Russian diplo/intel. 11166 80214 51247 12049 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	10529	12-9	1350	Thu	Russian diplo/intel. 11166 80214 51247 12049 00049 00000 00000 00000 00000	FSK 200/1000	(MPJ)
F06	14463	14-9	2100	Sat	Russian diplo/intel. 11166 40133 79513 14012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12139	14-9	2110	Sat	Russian diplo/intel. 11166 40133 79513 14012 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	11045	14-9	2120	Sat	Russian diplo/intel. 11166 40133 79513 14012 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14455	15-9	1530	Sun	Russian diplo/intel. 11166 10053 49681 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12065	15-9	1540	Sun	Russian diplo/intel. 11166 10053 49681 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10426	15-9	1550	Sun	Russian diplo/intel. 11166 10053 49681 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8163	16-9	0400	Mon	Russian diplo/intel. 11166 70059 61283 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7450	16-9	0410	Mon	Russian diplo/intel. 11166 70059 61283 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6789	16-9	0420	Mon	Russian diplo/intel. 11166 70059 61283 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9477	17-9	0030	Tue	Russian diplo/intel. 11166 60070 97531 17075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6935	17-9	0040	Tue	Russian diplo/intel. 11166 60070 97531 17075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5768	17-9	0050	Tue	Russian diplo/intel. 11166 60070 97531 17075 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14828	17-9	1650	Tue	Russian diplo/intel. 11166 10053 35721 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	12214	17-9	1700	Tue	Russian diplo/intel. 11166 10053 35721 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10534	17-9	1710	Tue	Russian diplo/intel. 11166 10053 35721 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15930	18-9	0600	Wed	Russian diplo/intel. 11166 40122 84253 18069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	13503	18-9	0610	Wed	Russian diplo/intel. 11166 40122 84253 18069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	11109	18-9	0620	Wed	Russian diplo/intel. 11166 40122 84253 18069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	11125	19-9	0800	Thu	Russian diplo/intel. 11166 70048 13468 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9098	19-9	0810	Thu	Russian diplo/intel. 11166 70048 13468 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7447	19-9	0820	Thu	Russian diplo/intel. 11166 70048 13468 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15709	19-9	1330	Thu	Russian diplo/intel. 11166 80214 12345 19057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)

F06	13541	19-9	1340	Thu	Russian diplo/intel. 11166 80214 12345 19057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10529	19-9	1350	Thu	Russian diplo/intel. 11166 80214 12345 19057 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14463	21-9	2100	Sat	Russian diplo/intel. 11166 40133 14279 21038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	12139	21-9	2110	Sat	Russian diplo/intel. 11166 40133 14279 21038 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	11045	21-9	2120	Sat	Russian diplo/intel. 11166 40133 14279 21038 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14455	22-9	1520	Sun	Russian diplo/intel. Test: 4646464646 4646464646	FSK 200/1000	(AB)
F06	14455	22-9	1530	Sun	Russian diplo/intel. 11166 10053 74123 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12065	22-9	1540	Sun	Russian diplo/intel. 11166 10053 74123 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10426	22-9	1550	Sun	Russian diplo/intel. 11166 10053 74123 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9477	24-9	0030	Tue	Russian diplo/intel. 11166 60070 13579 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6935	24-9	0040	Tue	Russian diplo/intel. 11166 60070 13579 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5768	24-9	0050	Tue	Russian diplo/intel. 11166 60070 13579 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14828	24-9	1650	Tue	Russian diplo/intel. 11166 10053 13579 24070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12214	24-9	1700	Tue	Russian diplo/intel. 11166 10053 13579 24070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10534	24-9	1710	Tue	Russian diplo/intel. 11166 10053 13579 24070 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	15930	25-9	0600	Wed	Russian diplo/intel. Header: 11166 40122 79465 21051 04369	FSK 200/1000	(AB-RUS)
F06	13503	25-9	0610	Wed	Russian diplo/intel. Header: 11166 40122 79465 21051 04369	FSK 200/1000	(AB-RUS)
F06	11109	25-9	0620	Wed	Russian diplo/intel. Header: 11166 40122 79465 21051 04369	FSK 200/1000	(AB-RUS)
F06	16260	25-9	0800	Wed	Russian diplo/intel. Header: 11166 00052 78654 25045 01129	FSK 200/1000	(AB)
F06	14386	25-9	0810	Wed	Russian diplo/intel. Header: 11166 00052 78654 25045 01129	FSK 200/1000	(AB)
F06	12098	25-9	0820	Wed	Russian diplo/intel. Header: 11166 00052 78654 25045 01129	FSK 200/1000	(AB)
F06	16146	25-9	0915	Wed	Russian diplo/intel. 11166 10031 14279 25026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13385	25-9	0925	Wed	Russian diplo/intel. 11166 10031 14279 25026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11434	25-9	0935	Wed	Russian diplo/intel. 11166 10031 14279 25026 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15930	26-9	0600	Thu	Russian diplo/intel. Header: 11166 40122 79465 21051 04369	FSK 200/1000	(AB-J)
F06	13503	26-9	0610	Thu	Russian diplo/intel. Header: 11166 40122 79465 21051 04369	FSK 200/1000	(AB-J)
F06	11109	26-9	0620	Thu	Russian diplo/intel. Header: 11166 40122 79465 21051 04369	FSK 200/1000	(AB-J)
F06	11125	26-9	0800	Thu	Russian diplo/intel. 11166 70048 12345 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16260	26-9	0800	Thu	Russian diplo/intel. Header: 11166 00052 78654 25045 01129	FSK 200/1000	(AB)
F06	9098	26-9	0810	Thu	Russian diplo/intel. 11166 70048 12345 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14386	26-9	0810	Thu	Russian diplo/intel. Header: 11166 00052 78654 25045 01129	FSK 200/1000	(AB)
F06	7447	26-9	0820	Thu	Russian diplo/intel. 11166 70048 12345 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12098	26-9	0820	Thu	Russian diplo/intel. Header: 11166 00052 78654 25045 01129	FSK 200/1000	(AB)
F06	15709	26-9	1330	Thu	Russian diplo/intel. 11166 80214 61290 26018 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13541	26-9	1340	Thu	Russian diplo/intel. 11166 80214 61290 26018 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10529	26-9	1350	Thu	Russian diplo/intel. 11166 80214 61290 26018 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14463	28-9	2100	Sat	Russian diplo/intel. 11166 40133 78451 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/RL)
F06	12139	28-9	2110	Sat	Russian diplo/intel. 11166 40133 78451 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/RL)
F06	11045	28-9	2120	Sat	Russian diplo/intel. 11166 40133 78451 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)

F06	14455	29-9	1530	Sun	Russian diplo/intel. 11166 10053 14279 29066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	12065	29-9	1540	Sun	Russian diplo/intel. 11166 10053 14279 29066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	10426	29-9	1550	Sun	Russian diplo/intel. 11166 10053 14279 29066 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
G06	6815	2-9	0800	Mon	329 329 329 00000	USB	(HFD)
G06	4792	2-9	1700	Mon	145 145 145 00000	USB	(MPJ/HFD)
G06	4877	2-9	1800	Mon	145 145 145 00000	USB	(MPJ/HFD)
G06	4598	5-9	1300	Thu	329 329 329 00000 Windows shut down sound	USB	(AB)
G06	4792	9-9	1700	Mon	145 145 145 00000	USB	(AB/MPJ)
G06	4877	9-9	1800	Mon	145 145 145 00000 Windows-XP shutdown sound	USB	(AB/MPJ)
G06	5234	11-9	1200	Wed	145 145 145 00000	USB	(AB)
G06	5412	11-9	1300	Wed	145 145 145 00000	USB	(AB)
G06	5934	12-9	1830	Thu	579 996 996 15 15 15830 48648 48642 ... 17425 88423 18684 996 996 15 15 00000 Windows shut down sound	USB	(AB/MPJ)
G06	5442	13-9	1923	Fri	111 111 111 00000	USB	(AB)
G06	5442	13-9	1930	Fri	947 978 44 11532 37595 68553 ... 78203 80329 38780 978 44 00000 Windows shut down sound	USB	(AB)
G06	6813	16-9	0800	Mon	329 329 329 00000 Windows shut down sound	USB	(AB)
G06	4605	19-9	1300	Thu	329 329 329 00000	USB	(AB-RUS)
G06	5938	26-9	1830	Thu	579 996 996 15 15 15830 48648 48642 ... 17425 88423 18684 996 996 15 15 00000	USB	(MPJ)
G06	5442	27-9	1930	Fri	947 273 273 62 62 64537 27364 28374 ... 64612 84759 76491 273 62 00000	USB	(AB/MPJ)
HM01	11530	1-9	1730	Sun	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	11435	2-9	1600	Mon	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	11635	2-9	2100	Mon	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RL)
HM01	10715	2-9	2200	Mon	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RL)
HM01	11435	3-9	1600	Tue	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	16180	3-9	2100	Tue	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RL)
HM01	17480	3-9	2200	Tue	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RL)
HM01	11435	4-9	1600	Wed	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	11635	4-9	1800	Wed	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RL)
HM01	10715	4-9	2200	Wed	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RL)
HM01	11435	5-9	1600	Thu	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	11435	6-9	1600	Fri	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	10715	6-9	2200	Fri	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(AB)
HM01	11435	7-9	1600	Sat	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	11435	8-9	1600	Sun	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	11435	9-9	1600	Mon	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	11635	9-9	2100	Mon	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RL)
HM01	11435	10-9	1600	Tue	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	11435	11-9	1604	Wed	Radio Cubana Habana then HM01 already i.p. 57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)

HM01	11530	12-9	1700	Thu	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	11435	13-9	1630	Fri	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	11435	14-9	1600	Sat	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	16180	14-9	2100	Sat	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RL)
HM01	17480	14-9	2200	Sat	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RL)
HM01	11435	15-9	1630	Sun	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	11435	16-9	1600	Mon	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RR2)
HM01	11635	16-9	2100	Mon	57531 34027 82834 27131 21821 51477 (repeating 18 August's groups)	AM/RDFT	(RL)
HM01	11435	17-9	1628	Tue	66012 17241 10803 16171 10125 67090	AM/RDFT	(RR2)
HM01	11435	18-9	1600	Wed	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	18-9	1614	Wed	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(AB-USA)
HM01	11435	19-9	1605	Thu	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	20-9	1600	Fri	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11530	20-9	1700	Fri	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(AB-USA)
HM01	11435	21-9	1600	Sat	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	22-9	1600	Sun	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	23-9	1600	Mon	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	24-9	1600	Tue	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	16180	24-9	2100	Tue	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RL)
HM01	17480	24-9	2200	Tue	Radio Habana Cuba until 2203, then HM01 66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RL)
HM01	11435	25-9	1600	Wed	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	26-9	1600	Thu	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	16180	26-9	2100	Thu	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RL)
HM01	17480	26-9	2200	Thu	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RL)
HM01	11435	27-9	1600	Fri	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	28-9	1600	Sat	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	17480	28-9	2200	Sat	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RL)
HM01	11435	29-9	1600	Sun	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
HM01	11435	30-9	1600	Mon	66012 17241 10803 16171 10125 67090 (Repeating the groups of 17 Sept)	AM/RDFT	(RR2)
M01	6510	1-9	0659	Sun	463 350 350 30 30 = 40849 04734 ... 44721 95821 = 350 350 30 30 000	CW	(ES-HOL/HFD)
M01	5475	3-9	1800	Tue	463 893 893 30 30 = = = 23065 61085 68660 ... 88692 78681 14608 = = = 893 893 30 30 000	CW	(MPJ)
M01	5475	5-9	1800	Thu	463 151 151 30 30 = = 60465 23671 89213 ... 54330 89542 76443 = = 151 151 30 (x1) 000	CW	(MPJ/HFD)
M01	5020	5-9	2000	Thu	463 217 217 30 = = 68328 50740 24908 ... 20998 41665 64390 = = 217 30 30 000	CW	(AB)
M01	6260	7-9	1500	Sat	463 679 679 30 30 = = 91665 89990 82694 ... 05761 44992 63365 = = 679 7EEEEEEEE 679 30 30 000 Errors	CW	(AB/MPJ)
M01	6510	8-9	0700	Sun	463 430 430 30 30 = = 76532 29634 80929 ... 39903 83938 64510 = = 430 430 30 30 000	CW	(AB)
M01	5475	10-9	1800	Tue	463 121 121 30 30 = = 74276 00241 06025 ... 53504 50298 91148 = = 121 121 30 000	CW	(AB/MPJ)
M01	5476	12-9	1800	Thu	463 07182 07182 00000 910 910 30 30 = = 07182 85755 41581 ... 33150 95358 42499 = = 91091	CW	(AB)

					000000 910 910 30 30 000 Errors		
M01	5021	12-9	2000	Thu	463 482 482 30 30 = = 42682 87586 73821 ... 84959 86415 76141 = = 482 482 30 30 000	CW	(AB/HFD)
M01	6260	14-9	1500	Sat	463 321 321 39 39 pause BBB pause B 3213 2130 30 = = 02200 02200 68707 68707 ... 83670 74008 74008 = = 321 321 30 30 000	CW	(AB-POL/HFD)
M01	6510	15-9	0700	Sun	463 317 317 30 = = 69161 16068 50434 ... 65432 90453 78543 = = 317 317 30 30 000	CW	(AB)
M01	5475	17-9	1800	Tue	463 157 157 = 30 30 45899 33949 14749 ... 97915 55551 79938 = 157 157 30 30 000	CW	(AB/MPJ)
M01	5020	17-9	2000	Tue	463 211 211 630 30 = = 01997 17416 10840 ... 61363 93609 58976 211 211 = 30 30 000	CW	(AB)
M01	5475	19-9	1800	Thu	463 321 321 30 30 = = 66140 43083 20196 ... 22880 88145 24606 = = 321 321 30 30 000	CW	(AB/MPJ)
M01	5020	19-9	2000	Thu	463 346 346 30 30 = = 21263 68433 25624 ... 09534 55569 04691 = = 346 346 30 30 000	CW	(AB)
M01	6260	21-9	1500	Sat	463 219 219 = 30 30 = = 88128 19244 89758 ... 83541 93256 99041 = = 219 219 = 30 30 000	CW	(AB-RUS/MPJ)
M01	6510	22-9	0700	Sun	463 327 327 = 30 30 = = 29382 78602 78018 ... 96393 03619 44277 = 327 327 = 30 30 000	CW	(AB-FIN)
M01	5475	24-9	1800	Tue	463 542 542 30 30 = = 70361 13210 10043 ... 51610 57687 08893 = = 542 542 30 30 000	CW	(AB/MPJ)
M01	5020	24-9	2000	Tue	463 917 917 30 30 = = 49724 83744 29589 ... 41243 60842 03280 = = 917 917 30 30 000	CW	(AB)
M01	5475	26-9	1800	Thu	463 137 137 30 30 = = 46400 43658 99039 ... 18551 99250 47107 59119 (519) = = 137 137 30 30 000 Different repeats between brackets	CW	(AB/MPJ)
M01	5020	26-9	2000	Thu	463 934 934 30 30 = = 80177 11872 62208 ... 75195 03387 07131 = = 934 934 30 30 000	CW	(AB)
M01	6260	28-9	1500	Sat	463 7566 756 756 30 30 = = 79544 99148 32309 ... 33765 03527 54771 = = = 756 756 30 30 0 0 0	CW	(MPJ)
M01	6510	29-9	0700	Sun	463 996 996 = 30 30 11431 43600 65977 ... 52011 88753 52312 = = 996 996 = 30 30 000	CW	(AB)
M01a	5344	24-9	1730	Tue	i.p. 73 91002 30203 75088 ... 31757 31303 43328 = 406 31 111 78233 111 40731 111 000	CW	(AB)
M01a	5344	25-9	1710	Wed	934 934 934 94607 94607 93 111 333 93827 93827 333 93827 93827 111 1 111 95477 95477 ...	CW	(AB)
M01b	3535	2-9	1810	Mon	420 121 121 30 30 = = 46594 76615 16963 ... 33866 21722 27593 = = 121 121 30 30 000 //4590 kHz	MCW	(MPJ/HFD)
M01b	4590	2-9	1810	Mon	420 121 121 30 30 = = 46594 76615 16963 ... 33866 21722 27593 = = 121 121 30 30 000 //3535 kHz	MCW	(MPJ/HFD)
M01b	3645	2-9	1915	Mon	771 121 121 30 30 = = 46594 76615 16963 ... 33866 21722 27593 = = 121 121 30 30 000 //4455 kHz	MCW	(MPJ/HFD)
M01b	4455	2-9	1915	Mon	771 121 121 30 30 = = 46594 76615 16963 ... 33866 21722 27593 = = 121 121 30 30 000 //3645 kHz	MCW	(MPJ/HFD)
M01b	3510	5-9	1830	Thu	i.p. 121 121 30 30 = = 46594 76615 16963 ... 33866 21722 27593 = = 121 121 30 30 000 //4605 kHz	MCW	(AB/MPJ)
M01b	4605	5-9	1830	Thu	i.p. 121 121 30 30 = = 46594 76615 16963 ... 33866 21722 27593 = = 121 121 30 30 000 //3510 kHz	MCW	(AB/MPJ)
M01b	3715	5-9	1940	Thu	477 121 121 30 30 = = 46594 76615 16963 ... 33866 21722 27593 = = 121 121 30 30 000 //4570 kHz	MCW	(AB)
M01b	4570	5-9	1940	Thu	477 121 121 30 30 = = 46594 76615 16963 ... 33866 21722 27593 = = 121 121 30 30 000 //3715 kHz	MCW	(AB)
M01b	3625	6-9	1901	Fri	158 121 121 30 30 = = 46594 76615 16963 ... 33866 21722 27593 = = 121 121 30 30 000 //4940 kHz	MCW	(MPJ)
M01b	4940	6-9	1901	Fri	158 121 121 30 30 = = 46594 76615 16963 ... 33866 21722 27593 = = 121 121 30 30 000 //3625 kHz	MCW	(MPJ)
M01b	3520	6-9	2010	Fri	582 121 121 30 30 = = 46594 76615 16963 ... 33866 21722 27593 = = 121 121 30 30 000 //4585	MCW	(AB)

					kHz		
M01b	4585	6-9	2010	Fri	582 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3520 kHz	MCW	(AB)
M01b	3535	9-9	1810	Mon	420 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4590 kHz	MCW	(AB/MPJ)
M01b	4590	9-9	1810	Mon	420 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3535 kHz	MCW	(AB/MPJ)
M01b	3645	9-9	1915	Mon	771 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4455 kHz	MCW	(AB/MPJ)
M01b	4455	9-9	1915	Mon	771 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3645 kHz	MCW	(AB/MPJ)
M01b	3510	12-9	1830	Thu	201 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4605 kHz was not on the air	MCW	(AB)
M01b	3715	12-9	1940	Thu	477 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4570 kHz	MCW	(AB)
M01b	4570	12-9	1940	Thu	477 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3715 kHz	MCW	(AB)
M01b	3625	13-9	1901	Fri	158 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4940 kHz	MCW	(AB)
M01b	4940	13-9	1901	Fri	158 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3625 kHz	MCW	(AB)
M01b	3520	13-9	2010	Fri	582 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4585 kHz	MCW	(AB/HFD)
M01b	4585	13-9	2010	Fri	582 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3520 kHz	MCW	(AB/HFD)
M01b	3535	16-9	1810	Mon	420 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4590 kHz	MCW	(AB/MPJ)
M01b	4590	16-9	1810	Mon	420 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3535 kHz	MCW	(AB/MPJ)
M01b	3645	16-9	1915	Mon	771 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4455 kHz	MCW	(AB)
M01b	4455	16-9	1915	Mon	771 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3645 kHz	MCW	(AB)
M01b	3510	19-9	1832	Thu	201 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4605 kHz was not on the air	MCW	(AB/MPJ)
M01b	4605	19-9	1832	Thu	201 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3510 kHz	MCW	(AB/MPJ)
M01b	3715	19-9	1940	Thu	477 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4570 kHz	MCW	(AB)
M01b	4570	19-9	1940	Thu	477 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3715 kHz	MCW	(AB)

					kHz		
M01b	3625	20-9	1902	Fri	158 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4940 kHz	MCW	(AB/MPJ/HFD)
M01b	4940	20-9	1902	Fri	158 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3625 kHz	MCW	(AB/MPJ/HFD)
M01b	3520	20-9	2010	Fri	582 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4585 kHz	MCW	(AB)
M01b	4585	20-9	2010	Fri	582 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3520 kHz	MCW	(AB)
M01b	3535	23-9	1810	Mon	420 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4590 kHz	MCW	(AB/MPJ)
M01b	4590	23-9	1810	Mon	420 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3535 kHz	MCW	(AB/MPJ)
M01b	3645	23-9	1915	Mon	771 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4455 kHz	MCW	(AB/MPJ)
M01b	4455	23-9	1915	Mon	771 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3645 kHz	MCW	(AB/MPJ)
M01b	3510	26-9	1832	Thu	201 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4605 kHz	MCW	(AB/MPJ)
M01b	4605	26-9	1832	Thu	201 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3510 kHz	MCW	(AB/MPJ)
M01b	3715	26-9	1940	Thu	477 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4570 kHz	MCW	(AB)
M01b	4570	26-9	1940	Thu	477 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3715 kHz	MCW	(AB)
M01b	3625	27-9	1902	Fri	153 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4940 kHz. Id 158 expected	MCW	(AB/MPJ)
M01b	4940	27-9	1902	Fri	153 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3625 kHz. Id 158 expected	MCW	(AB/MPJ)
M01b	3520	27-9	2010	Fri	582 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4585 kHz	MCW	(AB)
M01b	4585	27-9	2010	Fri	582 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3520 kHz	MCW	(AB)
M01b	3535	30-9	1810	Mon	420 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4590 kHz	MCW	(AB/MPJ)
M01b	4590	30-9	1810	Mon	420 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3535 kHz	MCW	(AB/MPJ)
M01b	3645	30-9	1915	Mon	771 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //4455 kHz	MCW	(AB/MPJ)
M01b	4455	30-9	1915	Mon	771 121 121 30 30 == 46594 76615 16963 ... 33866 21722 27593 == 121 121 30 30 000 //3645 kHz	MCW	(AB/MPJ)

					kHz		
M12	16348	2-9	1400	Mon	384 384 384 1 225 54 225 54 32160 38231 72044 ... 62357 14474 00963 000 000	CW	(MPJ)
M12	14848	2-9	1420	Mon	384 384 384 1 225 54 225 54 32160 38231 72044 ... 62357 14474 00963 000 000	CW	(MPJ/HFD)
M12	13448	2-9	1440	Mon	384 384 384 1 225 54 225 54 32160 38231 72044 ... 62357 14474 00963 000 000	CW	(MPJ/HFD)
M12	11435	2-9	1710	Mon	938 1 1039 110 67931 78143 15332 ... 68406 59424 55934 000 000	CW	(MPJ/HFD)
M12	10598	2-9	1730	Mon	938 1 1039 110 67931 78143 15332 ... 68406 59424 55934 000 000	CW	(MPJ/HFD)
M12	9327	2-9	1750	Mon	938 1 1039 110 67931 78143 15332 ... 68406 59424 55934 000 000	CW	(MPJ/HFD)
M12	8047	2-9	1800	Mon	463 1 2190 92 86143 25464 90882 ... 32483 81386 77147 000 000	CW	(MPJ/HFD)
M12	6802	2-9	1820	Mon	463 1 2190 92 86143 25464 90882 ... 32483 81386 77147 000 000	CW	(MPJ/HFD)
M12	5788	2-9	1840	Mon	463 1 2190 92 86143 25464 90882 ... 32483 81386 77147 000 000	CW	(MPJ/HFD)
M12	9246	2-9	2110	Mon	218 218 218 1 266 102 266 102 26356 60162 36861 70415 40534 ... 99674 31429 95236 38696 98756 000 000	CW	(RL/HFD)
M12	8146	2-9	2130	Mon	218 218 218 1 266 102 266 102 26356 60162 36861 70415 40534 ... 99674 31429 95236 38696 98756 000 000	CW	(RL/HFD)
M12	6846	2-9	2150	Mon	218 218 218 1 266 102 266 102 26356 60162 36861 70415 40534 ... 99674 31429 95236 38696 98756 000 000	CW	(RL/HFD)
M12	9317	3-9	0530	Tue	135 135 135 1 1913 111 1913 111 38929 72129 28042 ... 18697 11355 54791 000 000	CW	(ES-HOL/HFD)
M12	10484	3-9	0550	Tue	135 135 135 1 1913 111 1913 111 38929 72129 28042 ... 18697 11355 54791 000 000	CW	(ES-HOL/HFD)
M12	11552	3-9	0610	Tue	135 135 135 1 1913 111 1913 111 38929 72129 28042 ... 18697 11355 54791 000 000	CW	(ES-HOL/HFD)
M12	11435	3-9	1800	Tue	938 1 6684 110 10016 65385 13303 ... 59659 64386 85850 000 000	CW	(MPJ/HFD)
M12	10598	3-9	1820	Tue	938 1 6684 110 10016 65385 13303 ... 59659 64386 85850 000 000	CW	(MPJ/HFD)
M12	9327	3-9	1840	Tue	938 1 6684 110 10016 65385 13303 ... 59659 64386 85850 000 000	CW	(MPJ/HFD)
M12	12141	4-9	1210	Wed	157 157 157 000	CW	(MPJ)
M12	11541	4-9	1230	Wed	157 157 157 000	CW	(MPJ)
M12	16348	4-9	1400	Wed	384 384 384 1 225 54 225 54 32160 38231 72044 ... 62357 14474 00963 000 000	CW	(AB/MPJ/ES-HOL)
M12	14848	4-9	1420	Wed	384 384 384 1 225 54 225 54 32160 38231 72044 ... 62357 14474 00963 000 000	CW	(AB/MPJ/ES-HOL)
M12	13448	4-9	1440	Wed	384 384 384 1 225 54 225 54 32160 38231 72044 ... 62357 14474 00963 000 000	CW	(AB/MPJ/ES-HOL)
M12	12162	4-9	1710	Wed	546 546 546 1 5071 104 5071 104 70324 11776 53376 ... 96217 77824 66975 000 000	CW	(AB/MPJ/HFD)
M12	11566	4-9	1730	Wed	546 546 546 1 5071 104 5071 104 70324 11776 53376 ... 96217 77824 66975 000 000	CW	(AB/MPJ/HFD)
M12	10711	4-9	1750	Wed	546 546 546 1 5071 104 5071 104 70324 11776 53376 ... 96217 77824 66975 000 000	CW	(AB/MPJ/HFD)
M12	13375	4-9	1950	Wed	352 352 352 000	CW	(AB/RL/HFD)
M12	11545	4-9	2010	Wed	352 352 352 000	CW	(AB/RL/HFD)
M12	10836	5-9	0700	Thu	811 811 811 1 6375 108 6375 108 64177 46127 73078 ... 90468 93860 81186 000 000	CW	(AB-RUS/HFD-J)
M12	10136	5-9	0720	Thu	811 811 811 1 6375 108 6375 108 64177 46127 73078 ... 90468 93860 81186 000 000	CW	(AB-RUS/HFD-J)
M12	9136	5-9	0740	Thu	811 811 811 1 6375 108 6375 108 64177 46127 73078 ... 90468 93860 81186 000 000	CW	(AB-RUS/HFD-J)
M12	12162	5-9	1700	Thu	546 546 546 1 6885 110 6885 110 74078 76079 78714 ... 99131 60812 29666 000 000	CW	(AB/MPJ/HFD)
M12	11566	5-9	1720	Thu	546 546 546 1 6885 110 6885 110 74078 76079 78714 ... 99131 60812 29666 000 000	CW	(AB/MPJ/HFD)
M12	10711	5-9	1740	Thu	546 546 546 1 6885 110 6885 110 74078 76079 78714 ... 99131 60812 29666 000 000	CW	(AB/MPJ/HFD)
M12	12162	5-9	1800	Thu	546 546 546 1 3049 107 3049 107 56628 13780 68882 ... 87620 58078 09140 000 000	CW	(AB/MPJ/HFD)

M12	11566	5-9	1820	Thu	546 546 546 1 3049 107 3049 107 56628 13780 68882 ... 87620 58078 09140 000 000	CW	(AB/MPJ/HFD)
M12	10711	5-9	1840	Thu	546 546 546 1 3049 107 3049 107 56628 13780 68882 ... 87620 58078 09140 000 000	CW	(AB/MPJ/HFD)
M12	14377	5-9	2000	Thu	317 317 317 1 9583 106 9583 106 58861 89322 95033 ... 95887 64157 17317 000 000	CW	(AB)
M12	13461	5-9	2020	Thu	317 317 317 1 9583 106 9583 106 58861 89322 95033 ... 95887 64157 17317 000 000	CW	(AB)
M12	12114	5-9	2040	Thu	317 317 317 1 9583 106 9583 106 58861 89322 95033 ... 95887 64157 17317 000 000	CW	(AB)
M12	9246	5-9	2110	Thu	218 218 218 000	CW	(RL)
M12	12141	6-9	1210	Fri	157 157 157 000	CW	(MPJ/HFD)
M12	11541	6-9	1230	Fri	157 157 157 000	CW	(MPJ/HFD)
M12	13375	6-9	1950	Fri	352 352 352 000	CW	(AB/RL)
M12	11575	6-9	2010	Fri	352 352 352 000	CW	(AB/RL)
M12	8047	7-9	2000	Sat	463 463 463 1 4792 91 4792 91 10625 78456 21008 ... 46316 31506 67217 000 000	CW	(AB)
M12	6802	7-9	2020	Sat	463 463 463 1 4792 91 4792 91 10625 78456 21008 ... 46316 31506 67217 000 000	CW	(AB)
M12	5788	7-9	2040	Sat	463 463 463 1 4792 91 4792 91 10625 78456 21008 ... 46316 31506 67217 000 000	CW	(AB)
M12	16348	9-9	1400	Mon	384 384 384 000	CW	(AB/MPJ)
M12	14848	9-9	1420	Mon	384 384 384 000	CW	(AB/MPJ)
M12	11435	9-9	1710	Mon	938 938 938 1 2850 110 2850 110 68435 12093 07783 ... 07359 50740 88613 000 000	CW	(AB/MPJ)
M12	10598	9-9	1730	Mon	938 938 938 1 2850 110 2850 110 68435 12093 07783 ... 07359 50740 88613 000 000	CW	(AB/MPJ)
M12	9327	9-9	1750	Mon	938 938 938 1 2850 110 2850 110 68435 12093 07783 ... 07359 50740 88613 000 000	CW	(AB/MPJ)
M12	8047	9-9	1800	Mon	463 463 463 1 7121 99 7121 99 90922 53927 23937 ... 95620 09103 99819 000 000	CW	(AB/MPJ)
M12	6802	9-9	1820	Mon	463 463 463 1 7121 99 7121 99 90922 53927 23937 ... 95620 09103 99819 000 000	CW	(AB/MPJ)
M12	5788	9-9	1840	Mon	463 463 463 1 7121 99 7121 99 90922 53927 23937 ... 95620 09103 99819 000 000	CW	(AB/MPJ)
M12	9246	9-9	2110	Mon	218 218 218 000	CW	(AB/RL)
M12	8246	9-9	2130	Mon	218 218 218 000	CW	(AB/RL)
M12	9317	10-9	0530	Tue	135 135 135 1 8549 112 8449 112 86766 05082 87815 ... 31322 43797 00358 000 000	CW	(AB)
M12	10484	10-9	0550	Tue	135 135 135 1 8549 112 8449 112 86766 05082 87815 ... 31322 43797 00358 000 000	CW	(AB)
M12	11552	10-9	0610	Tue	135 135 135 1 8549 112 8449 112 86766 05082 87815 ... 31322 43797 00358 000 000	CW	(AB)
M12	10836	10-9	0700	Tue	811 811 811 000	CW	(AB-J)
M12	10136	10-9	0720	Tue	811 811 811 000	CW	(AB-J)
M12	11435	10-9	1800	Tue	938 938 938 1 5340 108 5340 108 80472 56603 17943 ... 55791 62951 93335 000 000	CW	(AB/MPJ)
M12	10598	10-9	1820	Tue	938 938 938 1 5340 108 5340 108 80472 56603 17943 ... 55791 62951 93335 000 000	CW	(AB/MPJ)
M12	9327	10-9	1840	Tue	938 938 938 1 5340 108 5340 108 80472 56603 17943 ... 55791 62951 93335 000 000	CW	(AB/MPJ)
M12	12141	11-9	1210	Wed	157 157 157 1 6908 23 6908 23 84238 21405 70244 ... 17768 92185 56560 000 000	CW	(MPJ)
M12	11541	11-9	1230	Wed	157 157 157 1 6908 23 6908 23 84238 21405 70244 ... 17768 92185 56560 000 000	CW	(MPJ)
M12	10741	11-9	1250	Wed	157 157 157 1 6908 23 6908 23 84238 21405 70244 ... 17768 92185 56560 000 000	CW	(MPJ)
M12	16348	11-9	1400	Wed	384 384 384 000	CW	(AB/MPJ)
M12	14848	11-9	1420	Wed	384 384 384 000	CW	(AB/MPJ)
M12	12162	11-9	1710	Wed	546 546 546 1 2043 111 2043 111 50634 23362 89918 ... 01487 49299 20246 000 000	CW	(AB/MPJ)
M12	11566	11-9	1730	Wed	546 546 546 1 2043 111 2043 111 50634 23362 89918 ... 01487 49299 20246 000 000	CW	(AB/MPJ)
M12	10711	11-9	1750	Wed	546 546 546 1 2043 111 2043 111 50634 23362 89918 ... 01487 49299 20246 000 000	CW	(AB/MPJ)

M12	13375	11-9	1950	Wed	352 352 352 000	CW	(AB/RL)
M12	11545	11-9	2010	Wed	352 352 352 000	CW	(AB/RL)
M12	12218	11-9	2210	Wed	212 212 212 000	CW	(AB/RL)
M12	11118	11-9	2230	Wed	212 212 212 000	CW	(AB/RL)
M12	10836	12-9	0700	Thu	811 811 811 000	CW	(AB-RUS)
M12	10136	12-9	0720	Thu	811 811 811 000	CW	(AB-RUS)
M12	12162	12-9	1700	Thu	546 546 546 1 5491 109 5491 109 72511 72647 12222 ... 44945 78340 84328 000 000	CW	(AB/MPJ)
M12	11566	12-9	1720	Thu	546 546 546 1 5491 109 5491 109 72511 72647 12222 ... 44945 78340 84328 000 000	CW	(AB/MPJ)
M12	10711	12-9	1740	Thu	546 546 546 1 5491 109 5491 109 72511 72647 12222 ... 44945 78340 84328 000 000	CW	(AB/MPJ)
M12	12162	12-9	1800	Thu	546 546 546 1 2653 107 2653 107 33702 40943 63073 ... 99398 60488 12479 000 000	CW	(AB/MPJ)
M12	11566	12-9	1820	Thu	546 546 546 1 2653 107 2653 107 33702 40943 63073 ... 99398 60488 12479 000 000	CW	(AB/MPJ)
M12	10711	12-9	1840	Thu	546 546 546 1 2653 107 2653 107 33702 40943 63073 ... 99398 60488 12479 000 000	CW	(AB/MPJ)
M12	14377	12-9	2000	Thu	317 317 317 1 9223 106 9223 106 67332 03376 48326 ... 02800 51328 62364 000 000	CW	(AB)
M12	9246	12-9	2010	Thu	218 218 218 000	CW	(AB)
M12	13461	12-9	2020	Thu	317 317 317 1 9223 106 9223 106 67332 03376 48326 ... 02800 51328 62364 000 000	CW	(AB)
M12	12114	12-9	2040	Thu	317 317 317 1 9223 106 9223 106 67332 03376 48326 ... 02800 51328 62364 000 000	CW	(AB)
M12	8146	12-9	2110	Thu	218 218 218 000	CW	(AB)
M12	12141	13-9	1210	Fri	157 157 157 1 6908 23 6908 23 84238 21405 70244 ... 17768 92185 56560 000 000	CW	(AB)
M12	11541	13-9	1230	Fri	157 157 157 1 6908 23 6908 23 84238 21405 70244 ... 17768 92185 56560 000 000	CW	(AB)
M12	10741	13-9	1250	Fri	157 157 157 1 6908 23 6908 23 84238 21405 70244 ... 17768 92185 56560 000 000	CW	(AB)
M12	13375	13-9	1950	Fri	352 352 352 000	CW	(AB)
M12	11575	13-9	2010	Fri	352 352 352 000	CW	(AB)
M12	7961	13-9	2100	Fri	988 988 988 000	CW	(AB/RL)
M12	6861	13-9	2120	Fri	988 988 988 000	CW	(AB/RL)
M12	8047	14-9	2000	Sat	463 463 463 1 4865 96 4865 96 07404 48033 85521 ... 53166 75562 60990 000 000	CW	(AB/RL/HFD)
M12	6802	14-9	2020	Sat	463 463 463 1 4865 96 4865 96 07404 48033 85521 ... 53166 75562 60990 000 000	CW	(AB/HFD)
M12	5788	14-9	2040	Sat	463 463 463 1 4865 96 4865 96 07404 48033 85521 ... 53166 75562 60990 000 000	CW	(AB/HFD)
M12	7961	14-9	2100	Sat	988 988 988 000	CW	(AB/RL)
M12	6861	14-9	2120	Sat	988 988 988 000	CW	(AB/RL)
M12	11118	14-9	2210	Sat	212 212 212 000	CW	(RL)
M12	12218	14-9	2210	Sat	212 212 212 000	CW	(RL)
M12	16348	16-9	1400	Mon	384 384 384 000	CW	(AB/MPJ)
M12	14848	16-9	1420	Mon	384 384 384 000	CW	(AB/MPJ)
M12	11435	16-9	1710	Mon	938 938 98 1 3055 112 3055 112 49791 38649 44544 ... 17428 30747 98076 000 000	CW	(AB/MPJ)
M12	10598	16-9	1730	Mon	938 938 98 1 3055 112 3055 112 49791 38649 44544 ... 17428 30747 98076 000 000	CW	(AB/MPJ)
M12	9327	16-9	1750	Mon	938 938 98 1 3055 112 3055 112 49791 38649 44544 ... 17428 30747 98076 000 000	CW	(AB/MPJ)
M12	8047	16-9	1800	Mon	463 463 463 1 7687 100 7687 100 02538 90025 85396 ... 20343 99377 88924 000 000	CW	(AB/MPJ)
M12	6802	16-9	1820	Mon	463 463 463 1 7687 100 7687 100 02538 90025 85396 ... 20343 99377 88924 000 000	CW	(AB/MPJ)
M12	5788	16-9	1840	Mon	463 463 463 1 7687 100 7687 100 02538 90025 85396 ... 20343 99377 88924 000 000	CW	(AB/MPJ)

M12	9246	16-9	2110	Mon	218 218 218 000	CW	(RL)
M12	8246	16-9	2130	Mon	218 218 218 000	CW	(RL)
M12	10836	17-9	0700	Tue	811 811 811 000	CW	(AB-J)
M12	10136	17-9	0720	Tue	811 811 811 000	CW	(AB-J)
M12	11435	17-9	1800	Tue	938 938 938 1 2993 107 2993 107 93348 58996 21520 ... 34523 92338 79139 000 000	CW	(AB/MPJ)
M12	10598	17-9	1820	Tue	938 938 938 1 2993 107 2993 107 93348 58996 21520 ... 34523 92338 79139 000 000	CW	(AB/MPJ)
M12	9327	17-9	1840	Tue	938 938 938 1 2993 107 2993 107 93348 58996 21520 ... 34523 92338 79139 000 000	CW	(AB/MPJ)
M12	12141	18-9	1210	Wed	157 157 157 1 6908 23 6908 23 84238 21405 70244 ... 17768 92185 56560 000 000	CW	(AB/MPJ)
M12	11541	18-9	1230	Wed	157 157 157 1 6908 23 6908 23 84238 21405 70244 ... 17768 92185 56560 000 000	CW	(AB/MPJ)
M12	10741	18-9	1250	Wed	157 157 157 1 6908 23 6908 23 84238 21405 70244 ... 17768 92185 56560 000 000	CW	(AB/MPJ)
M12	16348	18-9	1400	Wed	384 384 384 000	CW	(AB/MPJ)
M12	14848	18-9	1420	Wed	384 384 384 000	CW	(AB/MPJ)
M12	12162	18-9	1710	Wed	546 546 546 1 7793 107 7793 107 74216 71864 49469 ... 94091 55412 18830 000 000	CW	(AB/MPJ)
M12	11566	18-9	1730	Wed	546 546 546 1 7793 107 7793 107 74216 71864 49469 ... 94091 55412 18830 000 000	CW	(AB/MPJ)
M12	10711	18-9	1750	Wed	546 546 546 1 7793 107 7793 107 74216 71864 49469 ... 94091 55412 18830 000 000	CW	(AB/MPJ)
M12	13375	18-9	1950	Wed	352 352 352 000	CW	(RL)
M12	11545	18-9	2010	Wed	352 352 352 000	CW	(RL)
M12	12218	18-9	2210	Wed	212 212 212 1 432 40 432 40 30875 94093 28351 ... 57815 10458 43356 000 000	CW	(AB/RL)
M12	11118	18-9	2230	Wed	212 212 212 1 432 40 432 40 30875 94093 28351 ... 57815 10458 43356 000 000	CW	(AB/RL)
M12	10218	18-9	2250	Wed	212 212 212 1 432 40 432 40 30875 94093 28351 ... 57815 10458 43356 000 000	CW	(AB/RL)
M12	12162	19-9	1700	Thu	546 546 546 1 2362 105 2362 105 61797 37922 63687 ... 29501 65652 89042 000 000	CW	(AB/MPJ)
M12	11566	19-9	1720	Thu	546 546 546 1 2362 105 2362 105 61797 37922 63687 ... 29501 65652 89042 000 000	CW	(AB/MPJ)
M12	10711	19-9	1740	Thu	546 546 546 1 2362 105 2362 105 61797 37922 63687 ... 29501 65652 89042 000 000	CW	(AB/MPJ)
M12	12162	19-9	1800	Thu	546 546 546 1 2968 107 2968 107 64064 79816 13556 ... 07677 90233 49610 000 000	CW	(AB/MPJ)
M12	11566	19-9	1820	Thu	546 546 546 1 2968 107 2968 107 64064 79816 13556 ... 07677 90233 49610 000 000	CW	(AB/MPJ)
M12	10711	19-9	1840	Thu	546 546 546 1 2968 107 2968 107 64064 79816 13556 ... 07677 90233 49610 000 000	CW	(AB/MPJ)
M12	14377	19-9	2000	Thu	317 317 317 1 6583 107 6583 107 65720 68039 81997 ... 33354 45883 03328 000 000	CW	(AB)
M12	13461	19-9	2020	Thu	317 317 317 1 6583 107 6583 107 65720 68039 81997 ... 33354 45883 03328 000 000	CW	(AB)
M12	12114	19-9	2040	Thu	317 317 317 1 6583 107 6583 107 65720 68039 81997 ... 33354 45883 03328 000 000	CW	(AB)
M12	8146	19-9	2110	Thu	218 218 218 000	CW	(AB)
M12	9246	19-9	2110	Thu	218 218 218 000	CW	(AB)
M12	12141	20-9	1210	Fri	157 157 157 1 6908 23 6908 23 84238 21405 70244 ... 17768 92185 56560 000 000	CW	(AB)
M12	11541	20-9	1230	Fri	157 157 157 1 6908 23 6908 23 84238 21405 70244 ... 17768 92185 56560 000 000	CW	(AB)
M12	10741	20-9	1250	Fri	157 157 157 1 6908 23 6908 23 84238 21405 70244 ... 17768 92185 56560 000 000	CW	(AB)
M12	13375	20-9	1950	Fri	352 352 352 000	CW	(AB)
M12	11575	20-9	2010	Fri	352 352 352 000	CW	(AB/ES-HOL)
M12	7961	20-9	2100	Fri	988 988 988 000	CW	(AB)
M12	6861	20-9	2120	Fri	988 988 988 000	CW	(AB)
M12	8047	21-9	2000	Sat	463 463 463 1 900 248 900 248 10469 00158 81196 .. 91818 92320 84711 000 000	CW	(AB)

M12	6802	21-9	2020	Sat	463 463 463 1 900 248 900 248 10469 00158 81196 .. 91818 92320 84711 000 000	CW	(AB)
M12	5788	21-9	2040	Sat	463 463 463 1 900 248 900 248 10469 00158 81196 .. 91818 92320 84711 000 000	CW	(AB)
M12	7961	21-9	2100	Sat	988 988 988 000	CW	(AB)
M12	6861	21-9	2120	Sat	988 988 988 000	CW	(AB)
M12	16348	23-9	1400	Mon	384 384 384 000	CW	(AB/MPJ)
M12	14848	23-9	1420	Mon	384 384 384 000	CW	(AB/MPJ)
M12	11435	23-9	1710	Mon	938 938 938 1 5796 112 5796 112 70298 15928 80974 ... 58277 37736 45886 000 000	CW	(AB/MPJ)
M12	10598	23-9	1730	Mon	938 938 938 1 5796 112 5796 112 70298 15928 80974 ... 58277 37736 45886 000 000	CW	(AB/MPJ)
M12	9327	23-9	1750	Mon	938 938 938 1 5796 112 5796 112 70298 15928 80974 ... 58277 37736 45886 000 000	CW	(AB/MPJ)
M12	8047	23-9	1800	Mon	463 463 463 1 900 248 900 248 10469 00158 81196 .. 91818 92320 84711 000 000	CW	(AB/MPJ)
M12	6802	23-9	1820	Mon	463 463 463 1 900 248 900 248 10469 00158 81196 .. 91818 92320 84711 000 000	CW	(AB/MPJ)
M12	5788	23-9	1840	Mon	463 463 463 1 900 248 900 248 10469 00158 81196 .. 91818 92320 84711 000 000	CW	(AB/MPJ)
M12	9246	23-9	2110	Mon	218 218 218 1 8088 66 8088 66 ...	CW	(AB)
M12	6846	23-9	2130	Mon	218 218 218 1 8088 66 8088 66 ...	CW	(AB)
M12	8246	23-9	2130	Mon	218 218 218 1 8088 66 8088 66 ...	CW	(AB)
M12	9317	24-9	0530	Tue	135 135 135 1 6387 106 6387 106 78868 98598 36763 ... 03354 32058 20677 000 000	CW	(AB)
M12	10484	24-9	0550	Tue	135 135 135 1 6387 106 6387 106 78868 98598 36763 ... 03354 32058 20677 000 000	CW	(AB)
M12	11552	24-9	0610	Tue	135 135 135 1 6387 106 6387 106 78868 98598 36763 ... 03354 32058 20677 000 000	CW	(AB)
M12	10836	24-9	0700	Tue	811 811 811 1 425 96 425 96 51471 79486 99311 ... 28515 21430 49983 000 000	CW	(AB-RUS)
M12	10136	24-9	0720	Tue	811 811 811 1 425 96 425 96 51471 79486 99311 ... 28515 21430 49983 000 000	CW	(AB-RUS)
M12	9136	24-9	0740	Tue	811 811 811 1 425 96 425 96 51471 79486 99311 ... 28515 21430 49983 000 000	CW	(AB-RUS)
M12	11435	24-9	1800	Tue	938 938 938 1 2769 107 2769 107 62229 14178 25507 ... 35949 37414 76788 000 000	CW	(AB/MPJ)
M12	10598	24-9	1820	Tue	938 938 938 1 2769 107 2769 107 62229 14178 25507 ... 35949 37414 76788 000 000	CW	(AB/MPJ)
M12	9327	24-9	1840	Tue	938 938 938 1 2769 107 2769 107 62229 14178 25507 ... 35949 37414 76788 000 000	CW	(AB/MPJ)
M12	12141	25-9	1210	Wed	157 157 157 000	CW	(AB)
M12	11541	25-9	1230	Wed	157 157 157 000	CW	(AB)
M12	16348	25-9	1400	Wed	384 384 384 000	CW	(AB/MPJ)
M12	14848	25-9	1420	Wed	384 384 384 000	CW	(AB/MPJ)
M12	12162	25-9	1710	Wed	546 546 546 1 9302 104 9302 104 96954 28780 06789 ... 61042 01753 22657 000 000	CW	(AB/MPJ)
M12	11566	25-9	1730	Wed	546 546 546 1 9302 104 9302 104 96954 28780 06789 ... 61042 01753 22657 000 000	CW	(AB/MPJ)
M12	10711	25-9	1750	Wed	546 546 546 1 9302 104 9302 104 96954 28780 06789 ... 61042 01753 22657 000 000	CW	(AB/MPJ)
M12	13375	25-9	1950	Wed	352 352 352 000	CW	(AB)
M12	11545	25-9	2010	Wed	352 352 352 000	CW	(AB/RL)
M12	10218	25-9	2210	Wed	212 212 212 1 626 70 626 70 58301 23522 61771 74158 40825 ... 85827 34229 83106 18848 32872 000 000	CW	(RL)
M12	11118	25-9	2210	Wed	212 212 212 1 626 70 626 70 58301 23522 61771 74158 40825 ... 85827 34229 83106 18848 32872 000 000	CW	(RL)
M12	12218	25-9	2210	Wed	212 212 212 1 626 70 626 70 58301 23522 61771 74158 40825 ... 85827 34229 83106 18848 32872 000 000	CW	(RL)

M12	10836	26-9	0700	Thu	811 811 811 1 425 96 425 96 51471 79486 99311 ... 28515 21430 49983 000 000	CW	(AB-RUS)
M12	10136	26-9	0720	Thu	811 811 811 1 425 96 425 96 51471 79486 99311 ... 28515 21430 49983 000 000	CW	(AB-RUS)
M12	9136	26-9	0740	Thu	811 811 811 1 425 96 425 96 51471 79486 99311 ... 28515 21430 49983 000 000	CW	(AB-RUS)
M12	12162	26-9	1700	Thu	546 546 546 1 8235 108 8235 108 94153 51539 42164 ... 39075 48952 35243 000 000	CW	(AB)
M12	11566	26-9	1720	Thu	546 546 546 1 8235 108 8235 108 94153 51539 42164 ... 39075 48952 35243 000 000	CW	(AB)
M12	10711	26-9	1740	Thu	546 546 546 1 8235 108 8235 108 94153 51539 42164 ... 39075 48952 35243 000 000	CW	(AB)
M12	12162	26-9	1800	Thu	546 546 546 1 2732 105 2732 105 03629 92743 79180 ... 37032 06956 59956 000 000	CW	(AB/MPJ)
M12	11566	26-9	1820	Thu	546 546 546 1 2732 105 2732 105 03629 92743 79180 ... 37032 06956 59956 000 000	CW	(AB/MPJ)
M12	10711	26-9	1840	Thu	546 546 546 1 2732 105 2732 105 03629 92743 79180 ... 37032 06956 59956 000 000	CW	(AB/MPJ)
M12	14377	26-9	2000	Thu	317 317 317 1 3226 101 3226 101 44028 65690 00300 ... 68641 34473 64668 000 000	CW	(AB)
M12	13461	26-9	2020	Thu	317 317 317 1 3226 101 3226 101 44028 65690 00300 ... 68641 34473 64668 000 000	CW	(AB)
M12	12114	26-9	2040	Thu	317 317 317 1 3226 101 3226 101 44028 65690 00300 ... 68641 34473 64668 000 000	CW	(AB)
M12	9246	26-9	2110	Thu	218 218 218 1 too weak to copy	CW	(AB)
M12	12141	27-9	1210	Fri	157 157 157 000	CW	(AB/MPJ)
M12	11541	27-9	1230	Fri	157 157 157 000	CW	(AB/MPJ)
M12	13375	27-9	1950	Fri	352 352 352 000	CW	(AB)
M12	11575	27-9	2010	Fri	352 352 352 000	CW	(AB/RL)
M12	7961	27-9	2100	Fri	988 988 988 1 235 140 235 140 05083 70025 41842 57116 75011 ... 18039 08218 33736 00816 94192 000 000	CW	(RL)
M12	6861	27-9	2120	Fri	988 988 988 1 235 140 235 140 05083 70025 41842 57116 75011 ... 18039 08218 33736 00816 94192 000 000	CW	(RL)
M12	8047	28-9	2000	Sat	463 463 463 1 5109 97 5109 97 01117 99804 92985 ... 54691 98451 86352 000 000	CW	(AB)
M12	6802	28-9	2020	Sat	463 463 463 1 5109 97 5109 97 01117 99804 92985 ... 54691 98451 86352 000 000	CW	(AB)
M12	5788	28-9	2040	Sat	463 463 463 1 5109 97 5109 97 01117 99804 92985 ... 54691 98451 86352 000 000	CW	(AB)
M12	7961	28-9	2100	Sat	988 988 988 1 235 140 235 140 05083 70025 41842 57116 75011 ... 18039 08218 33736 00816 94192 000 000	CW	(AB/RL)
M12	6861	28-9	2120	Sat	988 988 988 1 235 140 235 140 05083 70025 41842 57116 75011 ... 18039 08218 33736 00816 94192 000 000	CW	(RL)
M12	5861	28-9	2140	Sat	988 988 988 1 235 140 235 140 05083 70025 41842 57116 75011 ... 18039 08218 33736 00816 94192 000 000	CW	(RL)
M12	16348	30-9	1400	Mon	384 384 384 1 366 79 366 79 89567 88940 77703 ... 25562 96375 89493 000 000	CW	(AB-AUT)
M12	14848	30-9	1420	Mon	384 384 384 1 366 79 366 79 89567 88940 77703 ... 25562 96375 89493 000 000	CW	(AB-AUT)
M12	13448	30-9	1440	Mon	384 384 384 1 366 79 366 79 89567 88940 77703 ... 25562 96375 89493 000 000	CW	(AB-AUT)
M12	11435	30-9	1710	Mon	938 938 938 1 3595 104 3595 104 60255 18729 93258 ... 61516 53022 45522 000 000	CW	(AB/MPJ)
M12	10598	30-9	1730	Mon	938 938 938 1 3595 104 3595 104 60255 18729 93258 ... 61516 53022 45522 000 000	CW	(AB/MPJ)
M12	9327	30-9	1750	Mon	938 938 938 1 3595 104 3595 104 60255 18729 93258 ... 61516 53022 45522 000 000	CW	(AB/MPJ)
M12	8047	30-9	1800	Mon	463 463 463 1 8937 99 8937 99 45658 48733 36928 ... 57015 13040 66070 000 000	CW	(AB/MPJ)
M12	6802	30-9	1820	Mon	463 463 463 1 8937 99 8937 99 45658 48733 36928 ... 57015 13040 66070 000 000	CW	(AB/MPJ)
M12	5788	30-9	1840	Mon	463 463 463 1 8937 99 8937 99 45658 48733 36928 ... 57015 13040 66070 000 000	CW	(AB/MPJ)

M14	5776	3-9	1600	Tue	239 239 239 00000	MCW	(MPJ)
M14	6793	4-9	1600	Wed	239 239 239 00000	MCW	(AB/MPJ)
M14	5275	6-9	1900	Fri	735 735 735 00000	MCW	(MPJ/HFD)
M14	4874	6-9	2000	Fri	735 735 735 00000	MCW	(HFD)
M14	16347	10-9	0930	Tue	617 617 617 00000	CW	(AB/HFD)
M14	5951	10-9	1900	Tue	346 674 674 42 42 = = 90635 25146 78456 ...	MCW	(AB/MPJ)
M14	5463	11-9	1920	Wed	537 674 674 42 42 = = 90635 25146 78456 ... 22567 78231 45279 674 674 42 42 = = 00000	MCW	(AB/HFD)
M14	4730	14-9	0800	Sat	523 556 556 43 43 = = 32456 76545 87456 ... 21435 67754 54327 = = 556 556 43 43 00000	MCW	(AB-FIN)
M14	4650	14-9	0900	Sat	523 556 556 43 43 = = 32456 76545 87456 ... 21435 67754 54327 = = 556 556 43 43 00000	MCW	(AB-FIN)
M14	5775	17-9	1600	Tue	235 off after calls	MCW	(MPJ)
M14	6793	18-9	1513	Wed	Test: 05 15459 10269 36176 083D	MCW	(AB)
M14	6793	18-9	1514	Wed	Test: R 20461 02844 87876 94109 48989	MCW	(AB)
M14	6793	18-9	1600	Wed	239 239 239 00000	MCW	(AB/MPJ)
M14	5275	20-9	1900	Fri	735 735 735 00000	MCW	(AB)
M14	4730	21-9	0800	Sat	523 542 542 45 45 4 4 25189 90461 16327 ... 63190 73891 04672 542 542 45 45 4 4 00000	MCW	(AB-RUS/HFD)
M14	4650	21-9	0900	Sat	523 542 542 45 45 4 4 25189 90461 16327 ... 63190 73891 04672 542 542 45 45 4 4 00000	MCW	(AB-RUS/HFD)
M14	5947	24-9	1820	Tue	346 674 674 42 42 = = 90635 25146 78456 ... 22567 78231 45279 674 674 42 42 = = 00000	MCW	(AB/MPJ)
M14	16347	25-9	0930	Wed	617 617 617 00000	CW	(AB)
M14	5463	25-9	1920	Wed	537 674 674 42 42 = = 90635 25146 78456 ... 22567 78231 45279 674 674 42 42 = = 00000	MCW	(AB)
M14	4730	28-9	0800	Sat	523 546 546 38 38 = = 12345 56720 34569 ... 58932 95178 32060 546 546 38 38 = = 00000	MCW	(AB-FIN)
M14	4650	28-9	0900	Sat	523 546 546 38 38 = = 12345 56720 34569 ... 58932 95178 32060 546 546 38 38 = = 00000	MCW	(AB-FIN)
M21	4639.5	2-9	0444	Mon	Russian Air Defence =990750??0????? =990751??0????? =990752??0?????	CW	(F5JBR)
M21	6231	3-9	0443	Tue	Russian Air Defence =990739??0????? =990740??0????? =990741??0?????	CW	(F5JBR)
M21	6911.5	3-9	1303	Tue	Russian Air Defence =991603??8????? =991604??8????? =991605??8?????	CW	(F5JBR)
M21	6954	8-9	0732	Sun	Russian Air Defence =992028??8????? =992029??8????? =992030??8?????	CW	(F5JBR)
M21	6428	8-9	0738	Sun	Russian Air Defence =991038??0????? =991039??0????? =991040??0?????	CW	(F5JBR)
M21	4071.5	8-9	0826	Sun	Russian Air Defence =99?1126?9????? =99?1128?9????? =99?1130?9?????	CW	(F5JBR)
M21	5789	8-9	0851	Sun	Russian Air Defence =991151??8????? =991152??8????? =991153??8?????	CW	(F5JBR)
M21	4582	8-9	0856	Sun	Russian Air Defence =991156??0????? =991157??0????? =991158??0?????	CW	(F5JBR)
M21	4280.5	8-9	1328	Sun	Russian Air Defence =99?1628?9????? =99?1630?9????? =99?1632?9?????	CW	(F5JBR)
M22	6607	14-9	1735	Sat	VVV DE 4XZ 4XZ = =	CW	(AB)
M22	6607	22-9	1547	Sun	VVV 4XZ 4XZ = =	CW	(AB)
M32	13561	12-9	1044	Thu	RGT77: XXX XXX WEGI WEGI 60115 OWENOZOB 5347 0147 KALOWID 0305 0937	CW	(JU)
M32	14411	12-9	1106	Thu	RDL: XXX XXX WEGI WEGI 87506 60115 OWENOZOB 5347 0147 KALOWID 0305 0937	CW	(JU)
M32	14411	12-9	1117	Thu	RDL: XXX XXX M7A2 M7A2 37416 19815 DUWROPIR 9672 7182	CW	(JU)
M32	14411	13-9	1027	Fri	RDL: XXX XXX W6BY W6BY 97925 29749 WHOVIJ 2252 9796	CW	(JU)
M32	14411	13-9	1033	Fri	RDL: XXX XXX IGYC IGYC 68861 90412 OTRASLEWOJ 4343 2503	CW	(JU)
M32	12832	14-9	1146	Sat	RDL: XXX XXX X2BM X2BM 80475 53346 TIKOSNEG 7611 6472 //14411 kHz	CW	(JU)
M32	14411	14-9	1146	Sat	RDL: XXX XXX X2BM X2BM 80475 53346 TIKOSNEG 7611 6472 //12832 kHz	CW	(JU)

M32	12832	14-9	1245	Sat	RDL: XXX XXX X2BM X2BM 80475 53346 TIKOSNEG 7611 6472	CW	(JU)
M32	14411	14-9	1245	Sat	RDL: XXX XXX X2BM X2BM 80475 53346 TIKOSNEG 7611 6472 //12832 kHz	CW	(JU)
M32	13443	26-9	1120	Thu	RGT77: XXX XXX WEGI WEGI 07524 LOCMANSKIJ 9140 6480 //13561 kHz	CW	(JU)
M32	13561	26-9	1120	Thu	RGT77: XXX XXX WEGI WEGI 07524 LOCMANSKIJ 9140 6480 //13443 kHz	CW	(JU)
M32	12832	26-9	1126	Thu	RDL: U U U XXX XXX WEGI WEGI 67909 07524 LOCMANSKIJ 9140 6480 //14411 kHz	CW	(JU)
M32	14411	26-9	1126	Thu	RDL: U U U XXX XXX WEGI WEGI 67909 07524 LOCMANSKIJ 9140 6480 //12832 kHz	CW	(JU)
M32	12832	26-9	1410	Thu	RDL: U U U XXX XXX WEGI WEGI 78874 24308 POWOROT 9509 4680 //14411 kHz	CW	(JU)
M32	14411	26-9	1410	Thu	RDL: U U U XXX XXX WEGI WEGI 78874 24308 POWOROT 9509 4680 //12832 kHz	CW	(JU)
M32	5430	30-9	1130	Mon	XXX XXX ESUP ESUP 66379 ZASWITLA 9435 K only one number group given after codeword	CW	(GWr)
M32b	8816	19-9	1115	Thu	rjf94 rjc38 de 26912 qto 1105 qrd XLMD XLDR qre 1315 qbd 0500 k	CW	(WP3)
M41	6362	3-9	0430	Tue	Russian Air Defence 5L9I 5L9I 5L9I 5L9I 5L9I AR	CW	(F5JBR)
M42	11463	1-9	0658	Sun	Russian diplo/intel.	MFSK	(AB)
M42	16314	9-9	0928	Mon	Russian diplo/intel i.p.	MFSK	(AB)
M42	11571	10-9	0823	Tue	Russian diplo/intel.	MFSK	(AB)
M42	16166	17-9	1133	Tue	MFA Moscow, RUS wkg Embassy Nairobi. No traffic. QSX 17454 kHz	USB/Serdolik	(Danix)
M42	17454	17-9	1133	Tue	Russian Embassy Nairobi, KEN wkg MFA Moscow. One brief message. QSX 16166 kHz	USB/Serdolik	(Danix)
M42	13438	18-9	0916	Wed	MFA Moscow wkg Russian embassy Prague	32-tone MFSK/60-tone OFDM	(AB)
M42	6872	19-9	1230	Thu	Russian intel.	MFSK-16/250Bd BPSK	(EW)
M42	8164	20-9	1401	Fri	Russian intel.	MFSK-16/250Bd BPSK	(AB)
M42	15828	23-9	0957	Mon	Russian diplo/intel.	MFSK	(AB)
M42b	6782	3-9	0433	Tue	OH7U wkg 8JUA	CW	(F5JBR)
M42b	5376	3-9	0444	Tue	RJ8W wkg HGEB QSY 4367	CW	(F5JBR)
M42b	5328	4-9	0629	Wed	WL4I wkg BFRW. Traffic in FSK, opchat in Morse: QRU NIL SK) QSX on 5833 kHz	CW	(F5JBR)
M51a	3881	21-9	0700	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 2 messages //6825 kHz	CW	(AB)
M51a	6825	21-9	0700	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 2 messages //3881 kHz	CW	(AB)
M51a	3881	21-9	0820	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 2 messages //6825 kHz	CW	(AB)
M51a	6825	21-9	0820	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 2 messages //3881 kHz	CW	(AB)
M51b	3881	5-9	1230	Thu	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	5-9	1230	Thu	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	14-9	1737	Sat	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	14-9	1737	Sat	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	21-9	0611	Sat	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	21-9	0611	Sat	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	3881	27-9	1147	Fri	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	27-9	1147	Fri	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M89	6913	1-9	0913	Sun	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	1-9	0913	Sun	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	4963	1-9	1236	Sun	i.p. 466U 67T4 576U 6537 N376	CW	(JPL)

M89	4131	1-9	1245	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4489	1-9	1249	Sun	V 2B7D (x3) DE 3GR1 (x2)	CW	(JPL)
M89	4347	1-9	1305	Sun	i.p. N5N4 D356 UDA3 AR K K R GA K K	CW	(JPL)
M89	4131	1-9	2320	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6913	2-9	0622	Mon	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	2-9	0622	Mon	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	3156	2-9	1806	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	2-9	1806	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	2-9	1808	Mon	V 2B7D (x3) DE 3GR1 (x2) //4489 Note: roundslip having technical issues. All garbled. Fixed at 1812z.	CW	(JPL)
M89	4489	2-9	1808	Mon	V 2B7D (x3) DE 3GR1 (x2) //4192 Note: roundslip having technical issues. All garbled. Fixed at 1812z.	CW	(JPL)
M89	10180	3-9	1153	Tue	DKG6 de 3A7D V	CW	(F5JBR)
M89	7602	4-9	1650	Wed	DKG6 de 3A7D V	CW	(F5JBR)
M89	4131	6-9	1852	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	6-9	1853	Fri	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	6-9	1853	Fri	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	6-9	1854	Fri	V 2B7D (x3) DE 3GR1 (x2) //4489 sending same roundslip. Normally sends a different roundslip	CW	(JPL)
M89	4489	6-9	1854	Fri	V 2B7D (x3) DE 3GR1 (x2) //4192 sending same roundslip. Normally sends a different roundslip	CW	(JPL)
M89	4131	7-9	1959	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	7-9	2001	Sat	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	7-9	2001	Sat	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	7-9	2003	Sat	V 2B7D (x3) DE 3GR1 (x2) //4489 sending same roundslip. Normally sends a different roundslip	CW	(JPL)
M89	4489	7-9	2003	Sat	V 2B7D (x3) DE 3GR1 (x2) //4192 sending same roundslip. Normally sends a different roundslip	CW	(JPL)
M89	7397	8-9	0750	Sun	8FDH de QH4P V //6913 kHz	CW	(F5JBR)
M89	3156	8-9	1223	Sun	3JWV de QH4P V //3597 kHz	CW	(F5JBR)
M89	4131	11-9	1707	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4192	11-9	1710	Wed	V 2B7D (x3) DE 3GR1 (x2) //4489 sending same roundslip. Normally sends a different roundslip. Having technical issues with the roundslip	CW	(JPL)
M89	4489	11-9	1710	Wed	V 2B7D (x3) DE 3GR1 (x2) //4192 sending same roundslip. Normally sends a different roundslip	CW	(JPL)
M89	3156	11-9	1711	Wed	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	11-9	1711	Wed	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	6913	12-9	0732	Thu	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	12-9	0732	Thu	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	10383	12-9	0749	Thu	V 2B7D (x3) DE 3GR1 (x2) Having technical issues with the roundslip	CW	(JPL)
M89	4860	12-9	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	12-9	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	12-9	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920	CW	(JPL)
M89	5280	12-9	1126	Thu	i.p. R QSL 1845 K R AS (Both stations on this frequency) 7G HR 7G GA K R GA	CW	(JPL)

M89	7620	12-9	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	12-9	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	4131	12-9	1951	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	12-9	1955	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	12-9	1955	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	12-9	1957	Thu	V 2B7D (x3) DE 3GR1 (x2) //4489 sending same roundslip. Normally sends a different roundslip. Having technical issues with the roundslip	CW	(JPL)
M89	4489	12-9	1957	Thu	V 2B7D (x3) DE 3GR1 (x2) //4192 sending same roundslip. Normally sends a different roundslip	CW	(JPL)
M89	4109	12-9	2013	Thu	(i.p. MSG NR 171 CK 1.1 17 0913 0411 RMKS 1355 TO 9585 K R = U3B7 6656 553U 6U44 T654 75TA D76U U74N TN7. TAAN (Cont'd)	CW	(JPL)
M89	4131	19-9	1416	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	19-9	1433	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	19-9	1433	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	19-9	1435	Thu	V 2B7D (x3) DE 3GR1 (x2) //4489 Still having TX issues	CW	(JPL)
M89	4489	19-9	1435	Thu	V 2B7D (x3) DE 3GR1 (x2) //4192	CW	(JPL)
M89	4123	19-9	1437	Thu	i.p. R HR MSG GA K R MSG NR .405 CK 101 2. 0919 2310 RMKS 4998 TO 45.2 K	CW	(JPL)
M89	4131	20-9	0019	Fri	V JKDJ (x3) DE SLBC (x2) //4886	CW	(JPL)
M89	4886	20-9	0019	Fri	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	4860	20-9	0020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	20-9	0020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	20-9	0020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920	CW	(JPL)
M89	7620	20-9	0030	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	20-9	0030	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	6913	20-9	0038	Fri	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	20-9	0038	Fri	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	10383	20-9	0041	Fri	V 2B7D (x3) DE 3GR1 (x2) Having technical issues with the roundslip	CW	(JPL)
M89	4860	20-9	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	20-9	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	20-9	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920	CW	(JPL)
M89	5177	20-9	1129	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	7620	20-9	1130	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	20-9	1130	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	4324	20-9	1135	Fri	i.p. 5A4N N5T5 4AU6 64U7 5TNU (Cont'd) AR K	CW	(JPL)
M89	4192	20-9	1139	Fri	V 2B7D (x3) DE 3GR1 (x2) //4489 Having technical issues with the roundslip	CW	(JPL)
M89	4489	20-9	1139	Fri	V 2B7D (x3) DE 3GR1 (x2) //4192	CW	(JPL)
M89	4131	23-9	1507	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	23-9	2202	Mon	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	23-9	2202	Mon	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	23-9	2204	Mon	V 2B7D (x3) DE 3GR1 (x2) //4489 TX issues resolved. //sending same roundslip, but not synchro-	CW	(JPL)

					nized.		
M89	4489	23-9	2204	Mon	V 2B7D (x3) DE 3GR1 (x2) //4192 sending same roundslip, but not synchronized.	CW	(JPL)
M89	4550	23-9	2209	Mon	V SDF2 (x3) DE RF5U (x2) //5355 New roundslip previously unknown.	CW	(JPL)
M89	5355	23-9	2209	Mon	V SDF2 (x3) DE RF5U (x2) //4550 New roundslip previously unknown.	CW	(JPL)
M89	7620	26-9	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	26-9	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	4192	26-9	1157	Thu	V 2B7D (x3) DE 3GR1 (x2) //4489 Transmitter issues again. Sending same roundslip	CW	(JPL)
M89	4489	26-9	1157	Thu	V 2B7D (x3) DE 3GR1 (x2) //4192 Transmitter issues again. Sending same roundslip	CW	(JPL)
M89	3156	26-9	1159	Thu	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	26-9	1159	Thu	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4886	26-9	2236	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5177	28-9	1000	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5691	28-9	1002	Sat	V 2B7D (x3) DE 3GR1 (x2) //10383 sending same roundslip, but not synchronized.	CW	(JPL)
M89	10383	28-9	1002	Sat	V 2B7D (x3) DE 3GR1 (x2) //5691 sending same roundslip, but not synchronized.	CW	(JPL)
M89	6913	28-9	1011	Sat	V 3JWV (x3) DE QH4P (x2) //7397	CW	(JPL)
M89	7397	28-9	1011	Sat	V 3JWV (x3) DE QH4P (x2) //6913	CW	(JPL)
M89	6652	28-9	1039	Sat	i.p. R RPT K R KP VVV A5ZH DE PJSL K R QSL ? K R QSL ? K	CW	(JPL)
M89	4860	28-9	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5920 and 6840	CW	(JPL)
M89	5920	28-9	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	28-9	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 5920	CW	(JPL)
M89	7620	28-9	1130	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	28-9	1130	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	4720	28-9	1730	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	28-9	1730	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4489	28-9	1733	Sat	V 2B7D (x3) DE 3GR1 (x2)	CW	(JPL)
M89	3156	28-9	1736	Sat	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	28-9	1736	Sat	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4886	29-9	1657	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3156	29-9	1659	Sun	V 3JWV (x3) DE QH4P (x2) //3597	CW	(JPL)
M89	3597	29-9	1659	Sun	V 3JWV (x3) DE QH4P (x2) //3156	CW	(JPL)
M89	4192	29-9	1700	Sun	V 2B7D (x3) DE 3GR1 (x2) //4489	CW	(JPL)
M89	4489	29-9	1700	Sun	V 2B7D (x3) DE 3GR1 (x2) //4192	CW	(JPL)
M95	5801	1-9	0831	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	1-9	0831	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	9000	1-9	0835	Sun	i.p. DUN5 73A4 6TDA NU63 754T (Cont'd) AR HR 7G GA NR 025/CCK CK 100 21 0831 1700 RMKS BFS =	CW	(JPL)
M95	4225	1-9	1247	Sun	i.p. 05 05 05 05 05 4467 0046 7005 6704 .67T A4N3. 5357 004.0	CW	(JPL)
M95	3642	1-9	2318	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	1-9	2318	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)

M95	5801	2-9	0615	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	2-9	0615	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	2-9	1750	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	2-9	1750	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	6-9	1850	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	7-9	1957	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	7-9	1957	Sat	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	11-9	1705	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	10180	12-9	0729	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	4364	12-9	1138	Thu	V BNGC (x3) DE XSV85 HR MSGS GA PSE CY NR 0.56 CK 1.. 35 0912 .10. = TAU 3...3AN 3.. AR AR //8073	CW	(JPL)
M95	8073	12-9	1138	Thu	V BNGC (x3) DE XSV85 HR MSGS GA PSE CY NR 0.56 CK 1.. 35 0912 .10. = TAU 3...3AN 3.. AR AR /4364	CW	(JPL)
M95	3642	12-9	1951	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	12-9	1951	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3642	19-9	1414	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	19-9	1414	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	7602	19-9	1420	Thu	V DKG6 DE 3A7D (x2) /CCK CK 299 21 0919 2220 RMKS 2093 TO 2013 2917 2968 2948 2233 = U7N. .6. ...	CW	(JPL)
M95	3361	19-9	1708	Thu	i.p. AS DE UG1S QSA 2 QSA ? K NR AS DE HR MSG GA CY HW MSG MSG NR 307/CCK CK 99 33 0920 0100 RMKS = CQ AR	CW	(JPL)
M95	3642	20-9	0018	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	20-9	0018	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	20-9	1129	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M95	3642	23-9	1424	Mon	V DKG6 (x3) DE 3A7D (x2) i.p. VVV HR SVC NR 068 2130 RMKS 2093 TO 2136 = COMM/2200/XZ364/45/2096/2136 AR //7602	CW	(JPL)
M95	7602	23-9	1424	Mon	V DKG6 (x3) DE 3A7D (x2) i.p. VVV HR SVC NR 068 2130 RMKS 2093 TO 2136 = COMM/2200/XZ364/45/2096/2136 AR //3642	CW	(JPL)
M95	4364	26-9	1137	Thu	BNGC DE XSV85 HR MSGS GA PSE CY NR 0791 CK 207 35 0926 1548 ... //8073 Still having technical issues on both frequencies	CW	(JPL)
M95	8073	26-9	1137	Thu	BNGC DE XSV85 HR MSGS GA PSE CY NR 0791 CK 207 35 0926 1548 ... //4364 Still having technical issues on both frequencies	CW	(JPL)
M95	4243	26-9	1151	Thu	i.p. A HR 7G GA NR 52 CK 118 35 0926 1559 = into traffic	CW	(JPL)
M95	3801	26-9	1200	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	26-9	1200	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M95	3642	26-9	2233	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	26-9	2233	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	5801	28-9	0957	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M95	10180	28-9	0957	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)

M95	3642	28-9	1726	Sat	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	28-9	1726	Sat	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M95	3642	29-9	1655	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M95	7602	29-9	1655	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M95	3355	29-9	1703	Sun	i.p. V BU8G (x3) DE BCF5 (x2) CLS (X3) HR MSG GA CY (x2) HW MSG MSG MSG NR 326/CCK CK 99 23 0930 0100 RMKS = CQ AR	CW	(JPL)
MX	4603	4-9	0700	Wed	Marker D (R5)	CW	(F5JBR)
MX	4603	4-9	0730	Wed	Marker D (R5)	CW	(F5JBR)
MX	5342	5-9	1307	Thu	Beacon V	CW	(EW)
MX	16332.1	7-9	0527	Sat	Beacon A, Astrakhan	CW	(F5JBR)
MX	13528.1	7-9	0532	Sat	Beacon A, Astrakhan	CW	(F5JBR)
MX	10872.4	8-9	0806	Sun	Beacon M, Magadan	CW	(F5JBR-J)
MX	13528.4	8-9	0806	Sun	Beacon M, Magadan	CW	(F5JBR-J)
MX	5154.4	8-9	0843	Sun	Beacon M, Magadan	CW	(F5JBR-J)
MX	7508.8	14-9	1750	Sat	Beacon D, Sevastopol	CW	(AB)
MX	7508.9	14-9	1750	Sat	Beacon S, Sevoromorsk	CW	(AB)
MX	7509	14-9	1750	Sat	Beacon C, Moscow	CW	(AB)
MX	7509.1	14-9	1750	Sat	Beacon A, Astrakhan	CW	(AB)
MX	16321.7	23-9	0928	Mon	Beacon D, Sevastopol	CW	(AB)
MX	5154.2	25-9	1459	Wed	Beacon F, Vladivostok	CW	(AB-J)
MX	5154.3	25-9	1459	Wed	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-J)
MX	5154.4	25-9	1459	Wed	Beacon M, Magadan	CW	(AB-J)
P03a	5815	1-9	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5815	1-9	0510	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	1-9	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	10302	1-9	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	5371	2-9	1635	Mon	Polish intel.	MPSK-62.5Bd	(MPJ)
P03a	5371	2-9	1640	Mon	Polish intel.	MPSK-62.5Bd	(MPJ)
P03a	5344	4-9	1500	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5344	4-9	1505	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5815	6-9	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5815	6-9	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12202	6-9	0620	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12202	6-9	0625	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	6-9	1500	Fri	Polish intel.	BPSK-62.5Bd	(MPJ)
P03a	10302	6-9	1505	Fri	Polish intel.	BPSK-62.5Bd	(MPJ)
P03a	14865	7-9	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	14865	7-9	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	5815	8-9	0505	Sun	Polish intel.	BPSK-62.5Bd	(AB)

P03a	5815	8-9	0510	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	8-9	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	8-9	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12202	9-9	0620	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12202	9-9	0625	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5371	9-9	1635	Mon	Polish intel.	MPSK-62.5Bd	(AB/MPJ)
P03a	5371	9-9	1640	Mon	Polish intel.	MPSK-62.5Bd	(AB/MPJ)
P03a	14865	11-9	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14865	11-9	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5815	13-9	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5815	13-9	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	13-9	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	13-9	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5371	13-9	1635	Fri	Polish intel.	MPSK-62.5Bd	(AB)
P03a	5371	13-9	1640	Fri	Polish intel.	MPSK-62.5Bd	(AB)
P03a	14865	14-9	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14865	14-9	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12202	16-9	0620	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12202	16-9	0625	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5371	16-9	1635	Mon	Polish intel.	MPSK-62.5Bd	(AB)
P03a	5371	16-9	1640	Mon	Polish intel.	MPSK-62.5Bd	(AB)
P03a	14865	18-9	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14865	18-9	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5815	20-9	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5815	20-9	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	20-9	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	20-9	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5371	20-9	1635	Fri	Polish intel.	MPSK-62.5Bd	(AB)
P03a	5371	20-9	1640	Fri	Polish intel.	MPSK-62.5Bd	(AB)
P03a	7469	21-9	0500	Sat	Polish intel.	MPSK-62.5Bd	(AB)
P03a	7469	21-9	0505	Sat	Polish intel.	MPSK-62.5Bd	(AB)
P03a	14865	21-9	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14865	21-9	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	22-9	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	22-9	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12202	23-9	0620	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	12202	23-9	0625	Mon	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5371	23-9	1635	Mon	Polish intel.	MPSK-62.5Bd	(AB/MPJ)
P03a	5371	23-9	1640	Mon	Polish intel.	MPSK-62.5Bd	(AB/MPJ)

P03a	14865	25-9	1600	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	14865	25-9	1605	Wed	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5815	27-9	0505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5815	27-9	0510	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	27-9	1500	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	27-9	1505	Fri	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5371	27-9	1635	Fri	Polish intel.	MPSK-62.5Bd	(AB)
P03a	5371	27-9	1640	Fri	Polish intel.	MPSK-62.5Bd	(AB)
P03a	7469	28-9	0500	Sat	Polish intel.	MPSK-62.5Bd	(AB)
P03a	7469	28-9	0505	Sat	Polish intel.	MPSK-62.5Bd	(AB)
P03a	14865	28-9	1600	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	14865	28-9	1605	Sat	Polish intel.	BPSK-62.5Bd	(AB/MPJ)
P03a	10302	29-9	1500	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	10302	29-9	1505	Sun	Polish intel.	BPSK-62.5Bd	(AB)
P03a	5371	30-9	1635	Mon	Polish intel.	MPSK-62.5Bd	(AB)
P03a	5371	30-9	1640	Mon	Polish intel.	MPSK-62.5Bd	(AB)
P03b	4909	1-9	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	1-9	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	1-9	1125	Sun	Polish intel.	QPSK 62.5Bd	(MPJ)
P03b	7984	4-9	1120	Wed	Polish intel.	QPSK-62.5Bd	(MPJ)
P03b	7984	4-9	1125	Wed	Polish intel.	QPSK-62.5Bd	(MPJ)
P03b	4909	7-9	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	7-9	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	8-9	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	8-9	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	8-9	1125	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	8-9	1130	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	11-9	1120	Wed	Polish intel.	QPSK-62.5Bd	(AB)
P03b	7984	11-9	1125	Wed	Polish intel.	QPSK-62.5Bd	(AB)
P03b	4909	14-9	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	14-9	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	15-9	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	15-9	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	18-9	1120	Wed	Polish intel.	QPSK-62.5Bd	(AB)
P03b	7984	18-9	1125	Wed	Polish intel.	QPSK-62.5Bd	(AB)
P03b	4909	21-9	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	21-9	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	25-9	1120	Wed	Polish intel.	QPSK-62.5Bd	(AB)
P03b	7984	25-9	1125	Wed	Polish intel.	QPSK-62.5Bd	(AB)

P03b	4909	28-9	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	28-9	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	29-9	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4909	29-9	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	7984	29-9	1120	Sun	Polish intel.	QPSK 62.5Bd	(AB/MPJ)
P03b	7984	29-9	1125	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03d	10641	9-9	0940	Mon	Polish intel.	QPSK 125Bd	(AB/MPJ)
P03d	10641	9-9	0945	Mon	Polish intel.	QPSK 125Bd	(AB/MPJ)
P03d	10641	16-9	0940	Mon	Polish intel.	QPSK 125Bd	(AB/MPJ)
P03d	10641	16-9	0945	Mon	Polish intel.	QPSK 125Bd	(AB/MPJ)
P03d	10641	20-9	0940	Fri	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	20-9	0945	Fri	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	23-9	0940	Mon	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	23-9	0945	Mon	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	27-9	0940	Fri	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	27-9	0945	Fri	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	30-9	0940	Mon	Polish intel.	QPSK 125Bd	(AB)
P03d	10641	30-9	0945	Mon	Polish intel.	QPSK 125Bd	(AB)
P03e	10641	5-9	1000	Thu	Polish intel.	QPSK 100Bd	(AB)
P03e	10641	5-9	1005	Thu	Polish intel.	QPSK 100Bd	(AB)
P03e	14972	8-9	1440	Sun	Polish intel.	QPSK-100Bd	(MPJ-HOL)
P03e	5344	10-9	1725	Tue	Polish intel.	QPSK 100Bd	(AB/MPJ)
P03e	5344	10-9	1730	Tue	Polish intel.	QPSK 100Bd	(AB)
P03e	14972	15-9	1440	Sun	Polish intel.	QPSK-100Bd	(AB)
P03e	14972	15-9	1445	Sun	Polish intel.	QPSK-100Bd	(AB)
P03e	5344	15-9	1725	Sun	Polish intel.	QPSK 100Bd	(AB/RL)
P03e	5344	15-9	1730	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5344	17-9	1725	Tue	Polish intel.	QPSK 100Bd	(MPJ)
P03e	5344	17-9	1730	Tue	Polish intel.	QPSK 100Bd	(MPJ)
P03e	10641	19-9	1000	Thu	Polish intel.	QPSK 100Bd	(AB)
P03e	10641	19-9	1005	Thu	Polish intel.	QPSK 100Bd	(AB)
P03e	14972	20-9	1440	Fri	Polish intel.	QPSK-100Bd	(AB)
P03e	14972	20-9	1445	Fri	Polish intel.	QPSK-100Bd	(AB)
P03e	14972	22-9	1440	Sun	Polish intel.	QPSK-100Bd	(AB/MPJ)
P03e	14972	22-9	1445	Sun	Polish intel.	QPSK-100Bd	(AB/MPJ)
P03e	5344	22-9	1725	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5344	22-9	1730	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5344	24-9	1725	Tue	Polish intel.	QPSK 100Bd	(AB)
P03e	5344	24-9	1730	Tue	Polish intel.	QPSK 100Bd	(AB)

P03e	10641	26-9	1000	Thu	Polish intel.	QPSK 100Bd	(AB)
P03e	10641	26-9	1005	Thu	Polish intel.	QPSK 100Bd	(AB)
P03e	14972	27-9	1440	Fri	Polish intel.	QPSK-100Bd	(AB)
P03e	14972	27-9	1445	Fri	Polish intel.	QPSK-100Bd	(AB)
P03e	14972	29-9	1440	Sun	Polish intel.	QPSK-100Bd	(AB)
P03e	14972	29-9	1445	Sun	Polish intel.	QPSK-100Bd	(AB)
P03e	5344	29-9	1725	Sun	Polish intel.	QPSK 100Bd	(AB)
P03e	5344	29-9	1730	Sun	Polish intel.	QPSK 100Bd	(AB)
P03f	13911	9-9	0530	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
P03f	13911	9-9	0535	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
P03f	10641	9-9	1000	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	10641	9-9	1000	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	10-9	1100	Tue	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	10-9	1105	Tue	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	11-9	1100	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	11-9	1105	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	10641	16-9	1000	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	10641	16-9	1000	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	17-9	1100	Tue	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	17-9	1105	Tue	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	18-9	1100	Wed	Polish intel.	QPSK 200Bd	(AB/MPJ)
P03f	6849	18-9	1105	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	13911	23-9	0530	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
P03f	13911	23-9	0535	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
P03f	10641	23-9	1000	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	10641	23-9	1000	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	24-9	1100	Tue	Polish intel.	QPSK 200Bd	(AB/MPJ)
P03f	6849	24-9	1105	Tue	Polish intel.	QPSK 200Bd	(AB/MPJ)
P03f	13911	25-9	0530	Wed	Polish intel.	QPSK 200Bd	(AB-POL)
P03f	13911	25-9	0535	Wed	Polish intel.	QPSK 200Bd	(AB-POL)
P03f	6849	25-9	1100	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	6849	25-9	1105	Wed	Polish intel.	QPSK 200Bd	(AB)
P03f	13911	30-9	0530	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
P03f	13911	30-9	0535	Mon	Polish intel.	QPSK 200Bd	(AB-POL)
P03f	10641	30-9	1000	Mon	Polish intel.	QPSK 200Bd	(AB)
P03f	10641	30-9	1000	Mon	Polish intel.	QPSK 200Bd	(AB)
Q26	5395	7-9	1304	Sat	4FG messages	4+4 QPSK 75/3000 LSB	(EW)
Q26	4364	12-9	1132	Thu	XSV85 messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	12-9	1132	Thu	XSV85 messages //4364	4+4 QPSK 75/3000 LSB	(JPL)

Q26	5079	18-9	1028	Wed	4FG messages	4+4 QPSK 75/3000 LSB	(EW)
Q26	5453	22-9	1105	Sun	4FG messages	4+4 QPSK 75/3000 LSB	(EW)
Q26	4364	26-9	1130	Thu	Messages //8073 Still having technical issues on both frequencies	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	26-9	1130	Thu	Messages //4364 Still having technical issues on both frequencies	4+4 QPSK 75/3000 LSB	(JPL)
RADv	4380	3-9	0918	Tue	Russian Air Defence Forces. Tracking (Russian Voice)	USB	(F5JBR)
RNv	4366	3-9	0524	Tue	VESTNIK: Russian Navy, Kaliningrad clg MALBERT (RGB59) (Comms Checks and Traffic in QYT4 mode) QSX 6277 kHz	USB	(F5JBR)
RNv	8439	8-9	1002	Sun	FLEYTA: Russian Navy, Sovetskaya Gavan (RJD93) wkg MALAGA (RAG83)	USB	(F5JBR-J)
S06	19035	5-9	0830	Thu	842 603 47 06107 ...	LSB	(HFD-J)
S06	15645	5-9	0930	Thu	842 603 47 06107 ...	LSB	(HFD)
S06	5846	5-9	2230	Thu	726 398 40 ...	USB	(AB)
S06	8191	6-9	1900	Fri	627 627 627 00000	USB	(MPJ/HFD)
S06	5943	6-9	2000	Fri	627 627 627 00000	USB	(HFD)
S06	8191	20-9	1900	Fri	627 627 627 00000	USB	(AB)
S06	5943	20-9	2000	Fri	627 627 627 00000	USB	(AB)
S06s	9220	2-9	0830	Mon	764 231 5 46062 68672 97478 39685 30485 231 5 00000	USB	(HFD)
S06s	8270	2-9	0840	Mon	764 231 5 46062 68672 97478 39685 30485 231 5 00000	USB	(HFD)
S06s	14581	2-9	0900	Mon	232 987 5 52401 63919 92699 14600 74248 987 5 00000	USB	(HFD)
S06s	13166	2-9	0910	Mon	232 987 5 52401 63919 92699 14600 74248 987 5 00000	USB	(HFD)
S06s	9145	2-9	1200	Mon	149 238 5 47665 94092 48521 63888 92060 238 5 00000	USB	(MPJ/HFD)
S06s	11460	2-9	1210	Mon	149 238 5 47665 94092 48521 63888 92060 238 5 00000	USB	(MPJ/HFD)
S06s	7425	3-9	0730	Tue	427 895 6 84523 60543 61462 84040 39493 82723 895 6 00000	USB	(HFD)
S06s	11560	3-9	0740	Tue	427 895 6 84523 60543 61462 84040 39493 82723 895 6 00000	USB	(HFD)
S06s	11636	3-9	0800	Tue	127 403 5 42613 47545 24251 49589 08142 403 5 00000	USB	(HFD)
S06s	10421	3-9	0810	Tue	127 403 5 42613 47545 24251 49589 08142 403 5 00000	USB	(HFD)
S06s	6410	3-9	1000	Tue	427 960 5 76585 39626 43217 92250 36859 960 5 00000	USB	(HFD)
S06s	7340	3-9	1010	Tue	427 960 5 76585 39626 43217 92250 36859 960 5 00000	USB	(HFD)
S06s	6190	3-9	1100	Tue	265 918 7 22354 67531 55125 56174 28393 29514 35247 918 7 00000	USB	(MPJ/HFD)
S06s	7230	3-9	1110	Tue	265 918 7 22354 67531 55125 56174 28393 29514 35247 918 7 00000	USB	(MPJ/HFD)
S06s	6464	3-9	1500	Tue	914 823 5 51098 09497 28075 85052 83253 823 5 00000	USB	(MPJ)
S06s	7242	3-9	1510	Tue	914 823 5 51098 09497 28075 85052 83253 823 5 00000	USB	(MPJ)
S06s	13365	4-9	1000	Wed	276 980 5 38367 33406 42366 37868 37250 980 5 00000	USB	(HFD)
S06s	14505	4-9	1010	Wed	276 980 5 38367 33406 42366 37868 37250 980 5 00000	USB	(HFD)
S06s	9081	5-9	0930	Thu	698 403 5 36184 36194 37650 43773 46793 403 5 00000	USB	(AB/HFD)
S06s	10514	5-9	0940	Thu	698 403 5 36184 36194 37650 43773 46793 403 5 00000	USB	(AB/HFD)
S06s	12415	5-9	1200	Thu	175 248 6 81051 46544 34612 43306 34498 33860 248 6 00000	USB	(AB/MP/HFDJ)
S06s	14212	5-9	1210	Thu	175 248 6 81051 46544 34612 43306 34498 33860 248 6 00000	USB	(AB/MPJ/HFD)
S06s	12140	6-9	0630	Fri	156 908 7 21767 53672 11834 81022 36903 41412 55678 908 7 00000	USB	(AB)
S06s	13515	6-9	0640	Fri	156 908 7 21767 53672 11834 81022 36903 41412 55678 908 7 00000	USB	(AB)

S06s	10350	7-9	0800	Sat	132 940 5 64385 82707 06123 78927 34694 940 5 00000	USB	(AB)
S06s	8520	7-9	0810	Sat	132 940 5 64385 82707 06123 78927 34694 940 5 00000	USB	(AB)
S06s	22185	9-9	0630	Mon	462 931 5 88620 58069 61732 74537 57440 931 5 00000	USB	(AB-UKR)
S06s	20050	9-9	0640	Mon	462 931 5 88620 58069 61732 74537 57440 931 5 00000	USB	(AB-UKR)
S06s	9220	9-9	0830	Mon	764 231 5 46062 68672 97478 39685 30485 231 5 00000	USB	(AB)
S06s	8270	9-9	0840	Mon	764 231 5 46062 68672 97478 39685 30485 231 5 00000	USB	(AB)
S06s	14581	9-9	0900	Mon	232 987 5 52401 63919 92699 14600 74248 987 5 00000	AM/USB	(AB-RUS/MPJ)
S06s	13166	9-9	0910	Mon	232 987 5 52401 63919 92699 14600 74248 987 5 00000	AM/USB	(AB/MPJ)
S06s	9145	9-9	1200	Mon	149 238 5 47665 94092 48521 63888 92060 238 5 00000	USB	(AB/MPJ-HNG)
S06s	11460	9-9	1210	Mon	149 238 5 47665 94092 48521 63888 92060 238 5 00000	USB	(AB/MPJ-HNG)
S06s	15855	10-9	0600	Tue	438 267 5 96061 13808 71909 83981 24035 267 5 00000	USB	(AB-UKR)
S06s	16485	10-9	0610	Tue	438 267 5 96061 13808 71909 83981 24035 267 5 00000	USB	(AB-ROU)
S06s	5760	10-9	0700	Tue	452 803 6 87655 75855 07443 51240 52434 77888 803 6 00000	USB	(AB/HFD)
S06s	6930	10-9	0710	Tue	452 803 6 87655 75855 07443 51240 52434 77888 803 6 00000	USB	(AB/HFD)
S06s	7425	10-9	0730	Tue	427 895 6 84523 60543 61462 84040 39493 82723 895 6 00000	USB	(AB)
S06s	11560	10-9	0740	Tue	427 895 6 84523 60543 61462 84040 39493 82723 895 6 00000	USB	(AB)
S06s	11636	10-9	0800	Tue	127 403 5 42613 47545 24251 49589 08142 403 5 00000	AM/USB	(AB)
S06s	10421	10-9	0810	Tue	127 403 5 42613 47545 24251 49589 08142 403 5 00000	AM/USB	(AB)
S06s	6410	10-9	1000	Tue	427 960 5 76585 39626 43217 92250 36859 960 5 00000	USB	(AB)
S06s	7340	10-9	1010	Tue	427 960 5 76585 39626 43217 92250 36859 960 5 00000	USB	(AB)
S06s	6190	10-9	1100	Tue	265 918 7 22354 67531 55125 56174 28393 29514 35247 918 7 00000	USB	(AB-POL/MPJ-HNG)
S06s	7230	10-9	1110	Tue	265 918 7 22354 67531 55125 56174 28393 29514 35247 918 7 00000	USB	(AB-POL/MPJ-HNG)
S06s	6464	10-9	1500	Tue	914 823 5 51098 09497 28075 85052 83253 823 5 00000	USB	(AB/MPJ/HFD)
S06s	7242	10-9	1510	Tue	914 823 5 51098 09497 28075 85052 83253 823 5 00000	USB	(AB/MPJ/HFD)
S06s	11530	11-9	0730	Wed	172 983 5 36806 ...	USB	(HFD)
S06s	13365	11-9	1000	Wed	276 980 5 38367 33406 42366 37868 37250 980 5 00000	USB	(AB)
S06s	14505	11-9	1010	Wed	276 980 5 38367 33406 42366 37868 37250 980 5 00000	USB	(AB)
S06s	9081	12-9	0930	Thu	698 403 5 36184 36194 37650 43773 46793 403 5 00000	USB	(AB)
S06s	10514	12-9	0940	Thu	698 403 5 36184 36194 37650 43773 46793 403 5 00000	USB	(AB)
S06s	12415	12-9	1200	Thu	175 248 6 81051 46544 34612 43306 34498 33860 248 6 00000	USB	(MPJ)
S06s	14212	12-9	1210	Thu	175 248 6 81051 46544 34612 43306 34498 33860 248 6 00000	USB	(MPJ)
S06s	12140	13-9	0630	Fri	156 908 7 21767 53672 11834 81022 36903 41412 55678 908 7 00000	USB	(AB)
S06s	13515	13-9	0640	Fri	156 908 7 21767 53672 11834 81022 36903 41412 55678 908 7 00000	USB	(AB)
S06s	5744	13-9	0900	Fri	239 408 5 46062 68672 97478 39685 30485 408 5 00000	USB	(AB-POL)
S06s	6524	13-9	0910	Fri	239 408 5 46062 68672 97478 39685 30485 408 5 00000	USB	(AB-POL)
S06s	22185	16-9	0630	Mon	462 810 5 40774 45983 48882 31151 32860 810 5 00000	USB	(AB-UKR)
S06s	20050	16-9	0640	Mon	462 810 5 40774 45983 48882 31151 32860 810 5 00000	USB	(AB-UKR)

S06s	9220	16-9	0830	Mon	764 830 5 33699 39998 30667 35947 83964 830 5 00000	USB	(AB)
S06s	8270	16-9	0840	Mon	764 830 5 33699 39998 30667 35947 83964 830 5 00000	USB	(AB)
S06s	14581	16-9	0900	Mon	232 840 5 38367 33406 42366 37868 37250 840 5 00000	AM/USB	(AB-UKR)
S06s	13166	16-9	0910	Mon	232 840 5 38367 33406 42366 37868 37250 840 5 00000	AM/USB	(AB)
S06s	9145	16-9	1200	Mon	149 870 5 36184 36194 37650 43773 46793 870 5 00000	USB	(AB-AUT/MPJ-HOL)
S06s	11460	16-9	1210	Mon	149 870 5 36184 36194 37650 43773 46793 870 5 00000	USB	(AB/MPJ-HOL)
S06s	5760	17-9	0700	Tue	452 831 6 37545 30989 41691 43753 32543 40936 831 6 00000	USB	(AB)
S06s	6930	17-9	0710	Tue	452 831 6 37545 30989 41691 43753 32543 40936 831 6 00000	USB	(AB)
S06s	7425	17-9	0730	Tue	427 598 6 43337 89152 47544 37478 31315 36184 598 6 00000	USB	(AB)
S06s	11560	17-9	0740	Tue	427 598 6 43337 89152 47544 37478 31315 36184 598 6 00000	USB	(AB)
S06s	6410	17-9	1000	Tue	427 813 6 83964 40774 45983 48882 31151 32861 813 6 00000	USB	(AB-POL)
S06s	7340	17-9	1010	Tue	427 813 6 83964 40774 45983 48882 31151 32861 813 6 00000	USB	(AB-POL)
S06s	6190	17-9	1100	Tue	265 948 7 39801 35785 34806 32963 31716 81515 30841 948 7 00000	USB	(AB-POL)
S06s	7230	17-9	1110	Tue	265 948 7 39801 35785 34806 32963 31716 81515 30841 948 7 00000	USB	(AB-POL)
S06s	6464	17-9	1500	Tue	914 873 5 96632 52537 53317 06675 41736 873 5 00000	USB	(AB/MPJ)
S06s	7242	17-9	1510	Tue	914 873 5 96632 52537 53317 06675 41736 873 5 00000	USB	(AB/MPJ)
S06s	11530	18-9	0730	Wed	172 436 5 46062 68672 97478 39685 30485 436 5 00000	USB	(AB)
S06s	12140	18-9	0740	Wed	172 436 5 46062 68672 97478 39685 30485 436 5 00000	USB	(AB)
S06s	9082	18-9	0830	Wed	464 293 5 88620 58069 61732 74537 57440 293 5 00000	USB	(AB)
S06s	9952	18-9	0840	Wed	464 293 5 88620 58069 61732 74537 57440 293 5 00000	USB	(AB)
S06s	13365	18-9	1000	Wed	276 401 5 33796 13577 74526 46647 79302 401 5 00000	USB	(AB)
S06s	14505	18-9	1010	Wed	276 401 5 33796 13577 74526 46647 79302 401 5 00000	USB	(AB)
S06s	9081	19-9	0930	Thu	698 430 5 22796 23555 74526 46647 78202 430 5 00000	USB	(AB)
S06s	10514	19-9	0940	Thu	698 430 5 22796 23555 74526 46647 78202 430 5 00000	USB	(AB)
S06s	12415	19-9	1200	Thu	175 284 6 77620 48069 52732 74437 57330 20599 284 6 00000	USB	(AB/MPJ)
S06s	14212	19-9	1210	Thu	175 284 6 77620 48069 52732 74437 57330 20599 284 6 00000	USB	(AB/MPJ)
S06s	12140	20-9	0630	Fri	156 498 7 26634 14690 94490 60386 03009 81413 94073 498 7 00000	USB	(AB/HFD)
S06s	13515	20-9	0640	Fri	156 498 7 26634 14690 94490 60386 03009 81413 94073 498 7 00000	USB	(AB/HFD)
S06s	5744	20-9	0900	Fri	239 418 5 01405 15003 23357 60583 54545 418 5 00000	USB	(AB-POL/HFD)
S06s	6524	20-9	0910	Fri	239 418 5 01405 15003 23357 60583 54545 418 5 00000	USB	(AB-POL/HFD)
S06s	22185	23-9	0630	Mon	462 810 5 40774 45983 48882 31151 32860 810 5 00000	USB	(AB-UKR)
S06s	20050	23-9	0640	Mon	462 810 5 40774 45983 48882 31151 32860 810 5 00000	USB	(AB-UKR)
S06s	9220	23-9	0830	Mon	764 830 5 33699 39998 30667 35947 83964 830 5 00000	USB	(AB)
S06s	8270	23-9	0840	Mon	764 830 5 33699 39998 30667 35947 83964 830 5 00000	USB	(AB)
S06s	14581	23-9	0900	Mon	232 840 5 38367 33406 42366 37868 37250 840 5 00000	AM/USB	(AB-FIN)
S06s	13166	23-9	0910	Mon	232 840 5 38367 33406 42366 37868 37250 840 5 00000	AM/USB	(AB)
S06s	9145	23-9	1200	Mon	149 870 5 36184 36194 37650 43773 46793 870 5 00000	USB	(AB/MPJ)
S06s	11460	23-9	1210	Mon	149 870 5 36184 36194 37650 43773 46793 870 5 00000	USB	(AB/MPJ)
S06s	15855	24-9	0600	Tue	438 529 6 43079 32154 34746 34053 30738 56864 529 6 00000	USB	(AB-POL/HFD-RUS)

S06s	16485	24-9	0610	Tue	438 529 6 43079 32154 34746 34053 30738 56864 529 6 00000	USB	(AB-POL/HFD-RUS)
S06s	5760	24-9	0700	Tue	452 831 6 37545 30989 41691 43753 32543 40936 831 6 00000	USB	(AB)
S06s	6930	24-9	0710	Tue	452 831 6 37545 30989 41691 43753 32543 40936 831 6 00000	USB	(AB)
S06s	7425	24-9	0730	Tue	427 598 6 43337 89152 47544 37478 31315 36184 598 6 00000	USB	(AB)
S06s	11560	24-9	0740	Tue	427 598 6 43337 89152 47544 37478 31315 36184 598 6 00000	USB	(AB)
S06s	11636	24-9	0800	Tue	127 894 6 39808 43033 49330 37711 34696 38914 894 6 00000	AM/USB	(AB)
S06s	10421	24-9	0810	Tue	127 894 6 39808 43033 49330 37711 34696 38914 894 6 00000	AM/USB	(AB)
S06s	6410	24-9	1000	Tue	427 813 6 83964 40774 45983 48882 31151 32861 813 6 00000	USB	(AB)
S06s	7340	24-9	1010	Tue	427 813 6 83964 40774 45983 48882 31151 32861 813 6 00000	USB	(AB)
S06s	6464	24-9	1500	Tue	914 873 5 96632 52537 53317 06675 41736 873 5 00000	USB	(AB-AUT/MPJ)
S06s	7242	24-9	1510	Tue	914 873 5 96632 52537 53317 06675 41736 873 5 00000	USB	(AB/MPJ)
S06s	11530	25-9	0730	Wed	172 436 5 46062 68672 97478 39685 30485 436 5 00000	USB	(AB)
S06s	12140	25-9	0740	Wed	172 436 5 46062 68672 97478 39685 30485 436 5 00000	USB	(AB)
S06s	9082	25-9	0830	Wed	464 293 5 88620 58069 61732 74537 57440 293 5 00000	USB	(AB/HFD)
S06s	9952	25-9	0840	Wed	464 293 5 88620 58069 61732 74537 57440 293 5 00000	USB	(AB/HFD)
S06s	13365	25-9	1000	Wed	276 401 5 33796 13577 74526 46647 79302 401 5 00000	USB	(AB)
S06s	14505	25-9	1010	Wed	276 401 5 33796 13577 74526 46647 79302 401 5 00000	USB	(AB)
S06s	9081	26-9	0930	Thu	698 430 5 22796 23555 74526 46647 78202 430 5 00000	USB	(AB)
S06s	10514	26-9	0940	Thu	698 430 5 22796 23555 74526 46647 78202 430 5 00000	USB	(AB)
S06s	12415	26-9	1200	Thu	175 284 6 77620 48069 52732 74437 57330 20599 284 6 00000	USB	(AB/MPJ)
S06s	14212	26-9	1210	Thu	175 284 6 77620 48069 52732 74437 57330 20599 284 6 00000	USB	(AB/MPJ)
S06s	12140	27-9	0630	Fri	156 498 7 26634 14690 94490 60386 03009 81413 94073 498 7 00000	USB	(AB)
S06s	13515	27-9	0640	Fri	156 498 7 26634 14690 94490 60386 03009 81413 94073 498 7 00000	USB	(AB)
S06s	5744	27-9	0900	Fri	239 418 5 01405 15003 23357 60583 54545 418 5 00000	USB	(AB)
S06s	6524	27-9	0910	Fri	239 418 5 01405 15003 23357 60583 54545 418 5 00000	USB	(AB)
S06s	22185	30-9	0630	Mon	462 462 462 00000	USB	(AB-UKR)
S06s	20050	30-9	0640	Mon	462 462 462 00000	USB	(AB-UKR)
S06s	9220	30-9	0830	Mon	764 764 764 00000	USB	(AB)
S06s	8270	30-9	0840	Mon	764 764 764 00000	USB	(AB)
S06s	14581	30-9	0900	Mon	232 232 232 00000	AM/USB	(AB)
S06s	13166	30-9	0910	Mon	232 232 232 00000	AM/USB	(AB)
S06s	9145	30-9	1200	Mon	149 149 149 00000	USB	(AB/MPJ)
S06s	11460	30-9	1210	Mon	149 149 149 00000	USB	(AB/MPJ)
S11a	11116	2-9	0510	Mon	657/33 Vnimanije 09120 44566 20227 ... 17296 34051 34920 Vnimanije (message repeated) Konets	USB	(Danix)
S11a	4505	2-9	0915	Mon	484/39 Vnimanije 32936 ...	USB	(HFD)
S11a	11493	2-9	1015	Mon	471/37 Vnimanije 41929 06987 89861 ... 88966 78715 38945 Vnimanije (message repeated) Konets	USB	(HFD)
S11a	7469	3-9	1020	Tue	424/00	USB	(HFD)

S11a	6433	4-9	1100	Wed	377/00	USB	(MPJ)
S11a	10213	4-9	1850	Wed	286/00	USB	(AB)
S11a	11493	5-9	1015	Thu	471/37 Vnimanije 41929 06987 89861 ... 88966 78715 38945 Vnimanije (message repeated) Konets	USB	(AB)
S11a	7469	6-9	1020	Fri	425/00	USB	(MPJ)
S11a	6433	6-9	1100	Fri	370/00	USB	(MPJ/HFD)
S11a	10213	7-9	1850	Sat	285/00	USB	(AB)
S11a	11116	9-9	0510	Mon	650/00	USB	(AB)
S11a	4505	9-9	0915	Mon	486/00	USB	(AB)
S11a	11493	9-9	1015	Mon	473/39 Vnimanije 33536 82251 63493 ... 09319 14226 46429 Vnimanije (message repeated) Konets	USB	(AB)
S11a	7469	10-9	1020	Tue	426/36 Vnimanije 64951 56360 67736 ... 07793 91013 27277 Vnimanije (message repeated) Konets	USB	(AB)
S11a	6433	11-9	1100	Wed	372/00	USB	(AB)
S11a	10213	11-9	1850	Wed	287/34 Vnimanije 90485 85229 18969 ... 88234 87640 81064 Vnimanije (message repeated) Konets	USB	(AB/HFD)
S11a	7469	13-9	1020	Fri	426/36 Vnimanije 64951 56360 67736 ... 07793 91013 27277 Vnimanije (message repeated) Konets	USB	(AB)
S11a	6433	13-9	1100	Fri	376/00	USB	(AB)
S11a	10213	14-9	1850	Sat	287/34 Vnimanije 90485 85229 18969 ... 88234 87640 81064 Vnimanije (message repeated) Konets	USB	(AB)
S11a	11116	16-9	0510	Mon	659/00	USB	(AB-POL)
S11a	4505	16-9	0915	Mon	486/00	USB	(AB)
S11a	11493	16-9	1015	Mon	472/00	USB	(AB)
S11a	7469	17-9	1020	Tue	420/00	USB	(AB)
S11a	6433	18-9	1100	Wed	373/00	USB	(AB/MPJ)
S11a	10213	18-9	1850	Wed	286/00	USB	(AB/MPJ)
S11a	11493	19-9	1015	Thu	479/00	USB	(AB)
S11a	4505	20-9	0915	Fri	487/00	USB	(AB-POL)
S11a	7469	20-9	1020	Fri	426/00	USB	(AB)
S11a	6433	20-9	1100	Fri	372/00	USB	(AB)
S11a	10213	21-9	1850	Sat	285/00	USB	(AB-POL/MPJ)
S11a	11116	23-9	0510	Mon	650/00	USB	(AB-POL)
S11a	4505	23-9	0915	Mon	481/00	USB	(AB)
S11a	11493	23-9	1015	Mon	476/00	USB	(AB)
S11a	7469	24-9	1020	Tue	420/00	USB	(AB)
S11a	11116	25-9	0510	Wed	652/00	USB	(AB-POL)
S11a	6433	25-9	1100	Wed	379/39 Vnimanije 84533 15445 64172 ... 42260 18605 61392 Vnimanije (message repeated) Konets	USB	(AB/MPJ)

S11a	10213	25-9	1850	Wed	288/00	USB	(AB/MPJ)
S11a	11493	26-9	1015	Thu	475/00	USB	(AB)
S11a	4505	27-9	0915	Fri	482/00	USB	(AB-POL)
S11a	7469	27-9	1020	Fri	422/00	USB	(AB)
S11a	6433	27-9	1100	Fri	379/39 Vnimanaye 84533 15445 64172 ... 42260 18605 61392 Vnimanaye (message repeated) Konets	USB	(AB/MPJ)
S11a	10213	28-9	1850	Sat	280/00	USB	(AB/RSch)
S11a	11116	30-9	0510	Mon	657/00	USB	(AB-POL)
S11a	4505	30-9	0915	Mon	484/00	USB	(AB)
S11a	11493	30-9	1015	Mon	476/00	USB	(AB)
S30	5448	25-9	0940	Wed	8S1Shch 73987 MUAROVoyZh 0263 7692	USB	(Gwr)
S30	5448	25-9	0950	Wed	8S1Shch 91692 INTYeRNYeT 1330 3792	USB	(Gwr)
S30	5448	25-9	1000	Wed	8S1Shch 28957 BINTONIT 9899 2492	USB	(Gwr)
S30	5448	26-9	0958	Thu	8S1Shch 55232 VNUKOGRYeH 1724 5560	USB	(Gwr)
S30	5448	26-9	1411	Thu	8S1Shch 93437 OBYeTOChOH 6227 5183	USB	(Gwr)
S30	5448	26-9	1430	Thu	HCFL 46959 BOMBOVOZ 4290 5245	USB	(Gwr)
S30	5448	30-9	1235	Mon	Y8VM 612Zh 8CSchJ 27Shch' N1DU 53OB 78MV DYeAY JH'J 12CI	USB	(GWr)
S30	5448	30-9	1355	Mon	8S1Shch 71383 PLAVAR 5311 9007	USB	(GWr)
S30	5448	30-9	1407	Mon	8S1Shch 83967 MANOVYJ 3144 5329	USB	(GWr)
S30	5448	30-9	1422	Mon	8S1Shch 49356 PATRIKA 2154 1451	USB	(GWr)
S30	5448	30-9	1431	Mon	ShchTO3 05776 NALADChIK 2522 3699	USB	(GWr)
S32	5473	26-9	0953	Thu	Al'fa-45 89143 ZVONOKUM 4936 2605	USB	(Gwr)
S32	5473	26-9	1415	Thu	Al'fa-45 99945 ADOMYaCh 5486 9768	USB	(Gwr)
S32	5473	26-9	1439	Thu	DIya: Penza-07 Yahta-94 Firna-85 Stupa-32 Utes-94 Alyeut-09 Storozh-62 Nevka-26	USB	(Gwr)
S32	5473	30-9	1355	Mon	Al'fa-45 49514 BOKSOLIF 3731 6965	USB	(GWr)
S32	5473	30-9	1409	Mon	Al'fa-45 79786 YeZDA 3078 0434	USB	(GWr)
S32	5473	30-9	1424	Mon	Al'fa-45 72010 KORZhOMORF 1147 6798	USB	(GWr)
UM10	3542	19-9	1928	Thu	10-minutes net: HDNA	CW	(JPL-CHN)
UM10	6780	28-9	1029	Sat	10-minutes net: QUXF	CW	(JPL-J)
V07	13535	8-9	0100	Sun	511 511 511 1 163 100 70875 37263 00560 ... 84318 56751 52244 000 000	USB	(Dan-J)
V07	12135	8-9	0120	Sun	511 511 511 1 163 100 70875 37263 00560 ... 84318 56751 52244 000 000	USB	(Dan-J)
V07	11135	8-9	0140	Sun	511 511 511 1 163 100 70875 37263 00560 ... 84318 56751 52244 000 000	USB	(Dan-J)
V07	13535	22-9	0100	Sun	511 511 511 1 472 76 48087 97844 51659 ... 71317 60035 000 000	USB	(HFD-USA)
V07	12135	22-9	0120	Sun	511 511 511 1 472 76 48087 97844 51659 ... 71317 60035 000 000	USB	(Dan-USA/HFD-USA)
V07	11135	22-9	0140	Sun	511 511 511 1 472 76 48087 97844 51659 ... 71317 60035 000 000	USB	(Dan-USA/HFD-USA)
V13	18040	16-9	1211	Mon	New Star Broadcasting station i.p.	USB	(Danix-AFS)
V24	6310	1-9	1530	Sun	K-popsong followed by a message in Korean	AM	(AB-J)

V24	5900	15-9	1600	Sun	K-popsong followed by a message in Korean	AM	(AB-J)
VC05	5321	3-9	1127	Tue	Chinese time stamp station	USB	(EW)
X06	14825	5-9	1558	Thu	MFA Moscow clg 641523: Russian embassy, Lusaka	MFSK-6	(HFD)
X06	14863	13-9	1027	Fri	MFA Moscow clg 615243: Russian Permanent Mission to the United Nations Office, Geneva	MFSK-6	(ES-HOL)
X06	17468	19-9	1330	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(ES-HOL)
X06	10814	25-9	0731	Wed	MFA Moscow clg 412356: Russian embassy, Budapest	MFSK-6	(ES-HOL)
X06	14863	27-9	1005	Fri	MFA Moscow clg 615243: Russian Permanent Mission to the United Nations Office, Geneva	MFSK-6	(AB)
X06a	14373	16-9	1425	Mon	Sequence 353535 before XPA2	MFSK-6	(AB)
X06a	14373	16-9	1430	Mon	Sequence 353535 before XPA2	MFSK-6	(AB)
X06a	14373	16-9	1435	Mon	Sequence 353535 before XPA2	MFSK-6	(AB)
X06b	12319	5-9	0737	Thu	Sequence: 666666	MFSK-6	(ES-HOL)
X06b	11450	5-9	1109	Thu	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	11449	5-9	1146	Thu	Sequence: 666666	MFSK-6	(ES-HOL)
X06b	11449	5-9	1232	Thu	Sequence: 666666	MFSK-6	(ES-HOL)
X06b	9064	7-9	1256	Sat	Sequence: 111666 before E07	MFSK-6	(AB)
X06b	9120	13-9	0812	Fri	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	9340	13-9	0901	Fri	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	14373	16-9	1426	Mon	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	14373	16-9	1433	Mon	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	14373	16-9	1435	Mon	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	14373	16-9	1436	Mon	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	11450	19-9	0855	Thu	Sequence: 111666 i.p. Ended at 1125 UTC	MFSK-6	(AB)
X06b	10820	19-9	1134	Thu	Sequence: 111666	MFSK-6	(ES-HOL)
X06b	10583	20-9	1440	Fri	Sequence: 111166 before E07a	MFSK-6	(AB)
X06b	10583	20-9	1445	Fri	Sequence: 161666 before E07a	MFSK-6	(AB)
X06b	10583	20-9	1449	Fri	Sequence: 161666 before E07a	MFSK-6	(AB)
X06b	9064	22-9	0502	Sun	Sequence: 111666 before E07	MFSK-6	(ES-HOL)
X06b	10229	23-9	0736	Mon	Sequence: 666666	MFSK-6	(ES-HOL)
X06b	13484	25-9	1113	Wed	Sequence: 116166 before XPA2	MFSK-6	(AB)
X06b	13484	25-9	1122	Wed	Sequence: 111666 before XPA2	MFSK-6	(AB)
XM	4902	19-9	2027	Thu	Feedback	USB	(AB)
XPA1	10862	5-9	0710	Thu	761 761 761 000 03683 00001 00000 35663	MFSK-20/10Bd	(AB/HFD)
XPA1	11571	5-9	0730	Thu	761 761 761 000 03683 00001 00000 35663	MFSK-20/10Bd	(AB/HFD)
XPA1	12216	5-9	0750	Thu	761 761 761 000 03683 00001 00000 35663	MFSK-20/10Bd	(AB/HFD)
XPA1	10682	10-9	0710	Tue	761 761 761 1 08733 00113 30757 ... 39802 32479 32764	MFSK-20/10Bd	(AB)
XPA1	11571	10-9	0730	Tue	761 761 761 1 08733 00113 30757 ... 39802 32479 32764	MFSK-20/10Bd	(AB)
XPA1	12216	10-9	0750	Tue	761 761 761 1 08733 00113 30757 ... 39802 32479 32764	MFSK-20/10Bd	(AB)
XPA1	10682	12-9	0710	Thu	761 761 761 1 08733 00113 30757 ... 39802 32479 32764	MFSK-20/10Bd	(AB)
XPA1	11571	12-9	0730	Thu	761 761 761 1 08733 00113 30757 ... 39802 32479 32764	MFSK-20/10Bd	(AB)

XPA1	12216	12-9	0750	Thu	761 761 761 1 08733 00113 30757 ... 39802 32479 32764	MFSK-20/10Bd	(AB)
XPA1	10682	17-9	0710	Tue	761 761 761 1 08733 00113 30757 ... 39802 32479 32764	MFSK-20/10Bd	(AB)
XPA1	11571	17-9	0730	Tue	761 761 761 1 08733 00113 30757 ... 39802 32479 32764	MFSK-20/10Bd	(AB)
XPA1	12216	17-9	0750	Tue	761 761 761 1 08733 00113 30757 ... 39802 32479 32764	MFSK-20/10Bd	(AB)
XPA1	10682	19-9	0710	Thu	761 761 761 1 08733 00113 30757 ... 39802 32479 32764	MFSK-20/10Bd	(AB)
XPA1	11571	19-9	0730	Thu	761 761 761 1 08733 00113 30757 ... 39802 32479 32764	MFSK-20/10Bd	(AB)
XPA1	12216	19-9	0750	Thu	761 761 761 1 08733 00113 30757 ... 39802 32479 32764	MFSK-20/10Bd	(AB)
XPA1	10682	24-9	0710	Tue	761 761 761 1 08083 00090 67331 ... 76111 84490 23141	MFSK-20/10Bd	(AB)
XPA1	11571	24-9	0730	Tue	761 761 761 1 08083 00090 67331 ... 76111 84490 23141	MFSK-20/10Bd	(AB)
XPA1	12216	24-9	0750	Tue	761 761 761 1 08083 00090 67331 ... 76111 84490 23141	MFSK-20/10Bd	(AB)
XPA1	10682	26-9	0710	Thu	761 761 761 1 08083 00090 67331 ... 76111 84490 23141	MFSK-20/10Bd	(AB)
XPA1	11571	26-9	0730	Thu	761 761 761 1 08083 00090 67331 ... 76111 84490 23141	MFSK-20/10Bd	(AB)
XPA1	12216	26-9	0750	Thu	761 761 761 1 08083 00090 67331 ... 76111 84490 23141	MFSK-20/10Bd	(AB)
XPA2	15859	5-9	0910	Thu	09472 00050 10879 ... 12780 11796 33670	MFSK-16/20Bd	(AB/HFD)
XPA2	14659	5-9	0930	Thu	09472 00050 10879 ... 12780 11796 33670	MFSK-16/20Bd	(AB/HFD)
XPA2	13459	5-9	0950	Thu	09472 00050 10879 ... 12780 11796 33670	MFSK-16/20Bd	(AB/HFD)
XPA2	13887	5-9	1600	Thu	00157 00103 98952 ... 42338 40519 16024	MFSK-16/20Bd	(AB/HFD)
XPA2	13387	5-9	1620	Thu	00157 00103 98952 ... 42338 40519 16024	MFSK-16/20Bd	(AB/HFD)
XPA2	11587	5-9	1640	Thu	00157 00103 98952 ... 42338 40519 16024	MFSK-16/20Bd	(AB/HFD)
XPA2	13484	6-9	1200	Fri	08568 00108 55833 37552 44503 ... 33270 40080 87393 57909 61325	MFSK-16/20Bd	(MPJ)
XPA2	14684	6-9	1220	Fri	08568 00108 55833 37552 44503 ... 33270 40080 87393 57909 61325	MFSK-16/20Bd	(MPJ)
XPA2	15984	6-9	1240	Fri	08568 00108 55833 37552 44503 ... 33270 40080 87393 57909 61325	MFSK-16/20Bd	(MPJ)
XPA2	15859	7-9	0910	Sat	09472 00050 10879 ... 12780 11796 33670	MFSK-16/20Bd	(AB/DPC)
XPA2	14659	7-9	0930	Sat	09472 00050 10879 ... 12780 11796 33670	MFSK-16/20Bd	(AB)
XPA2	13459	7-9	0950	Sat	09472 00050 10879 ... 12780 11796 33670	MFSK-16/20Bd	(AB/MPJ)
XPA2	14373	7-9	1500	Sat	09859 00194 83067 ... 55849 10077 24406	MFSK-16/20Bd	(AB)
XPA2	13373	7-9	1520	Sat	09859 00194 83067 ... 55849 10077 24406	MFSK-16/20Bd	(AB)
XPA2	11573	7-9	1540	Sat	09859 00194 83067 ... 55849 10077 24406	MFSK-16/20Bd	(AB)
XPA2	12152	9-9	0700	Mon	05611 00001 00000 34656	MFSK-16/20Bd	(AB)
XPA2	13552	9-9	0720	Mon	05611 00001 00000 34656	MFSK-16/20Bd	(AB)
XPA2	13952	9-9	0740	Mon	05611 00001 00000 34656	MFSK-16/20Bd	(AB)
XPA2	18206	9-9	0910	Mon	09945 00001 00000 40265	MFSK-16/20Bd	(AB/MPJ)
XPA2	16329	9-9	0930	Mon	09945 00001 00000 40265	MFSK-16/20Bd	(AB/MPJ)
XPA2	15824	9-9	0950	Mon	09945 00001 00000 40265	MFSK-16/20Bd	(AB/MPJ)
XPA2	14373	9-9	1500	Mon	05445 00001 00000 35661	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	13373	9-9	1520	Mon	05445 00001 00000 35661	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	11573	9-9	1540	Mon	05445 00001 00000 35661	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	13914	10-9	1200	Tue	Message	MFSK-16/20Bd	(HFD)
XPA2	15814	10-9	1220	Tue	Message	MFSK-16/20Bd	(HFD)

XPA2	16314	10-9	1240	Tue	Message	MFSK-16/20Bd	(HFD)
XPA2	13887	10-9	1600	Tue	02196 00001 00000 34663	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	13387	10-9	1620	Tue	02196 00001 00000 34663	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	11587	10-9	1640	Tue	02196 00001 00000 34663	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	12152	11-9	0700	Wed	08903 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	13552	11-9	0720	Wed	08903 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	13952	11-9	0740	Wed	08903 00001 00000 37260	MFSK-16/20Bd	(AB)
XPA2	18206	11-9	0910	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	16329	11-9	0930	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	15824	11-9	0950	Wed	Message	MFSK-16/20Bd	(HFD)
XPA2	13484	11-9	1200	Wed	08568 00108 55833 37552 44503 ... 33270 40080 87393 57909 61325	MFSK-16/20Bd	(AB/MPJ)
XPA2	14684	11-9	1220	Wed	08568 00108 55833 37552 44503 ... 33270 40080 87393 57909 61325	MFSK-16/20Bd	(AB/MPJ)
XPA2	15984	11-9	1240	Wed	08568 00108 55833 37552 44503 ... 33270 40080 87393 57909 61325	MFSK-16/20Bd	(AB/MPJ)
XPA2	13887	12-9	1600	Thu	09531 00001 00000 34264	MFSK-16/20Bd	(AB/MPJ)
XPA2	13387	12-9	1620	Thu	09531 00001 00000 34264	MFSK-16/20Bd	(AB/MPJ)
XPA2	11587	12-9	1640	Thu	09531 00001 00000 34264	MFSK-16/20Bd	(AB/MPJ)
XPA2	13484	13-9	1200	Fri	08568 00108 55833 37552 44503 ... 33270 40080 87393 57909 61325	MFSK-16/20Bd	(AB/HFD)
XPA2	14684	13-9	1220	Fri	08568 00108 55833 37552 44503 ... 33270 40080 87393 57909 61325	MFSK-16/20Bd	(AB/HFD)
XPA2	15984	13-9	1240	Fri	08568 00108 55833 37552 44503 ... 33270 40080 87393 57909 61325	MFSK-16/20Bd	(AB/HFD)
XPA2	15859	14-9	0910	Sat	01443 00001 00000 34655	MFSK-16/20Bd	(AB)
XPA2	14659	14-9	0930	Sat	01443 00001 00000 34655	MFSK-16/20Bd	(AB)
XPA2	13459	14-9	0950	Sat	01443 00001 00000 34655	MFSK-16/20Bd	(AB)
XPA2	14373	14-9	1500	Sat	09859 00194 83067 ... 55849 10077 24406	MFSK-16/20Bd	(AB)
XPA2	13373	14-9	1520	Sat	09859 00194 83067 ... 55849 10077 24406	MFSK-16/20Bd	(AB)
XPA2	11573	14-9	1540	Sat	09859 00194 83067 ... 55849 10077 24406	MFSK-16/20Bd	(AB)
XPA2	13914	15-9	1200	Sun	08115 00108 34202 ... 87979 39520 11270	MFSK-16/20Bd	(AB)
XPA2	15814	15-9	1220	Sun	08115 00108 34202 ... 87979 39520 11270	MFSK-16/20Bd	(AB)
XPA2	16314	15-9	1240	Sun	08115 00108 34202 ... 87979 39520 11270	MFSK-16/20Bd	(AB)
XPA2	12152	16-9	0700	Mon	04650 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	13552	16-9	0720	Mon	04650 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	13952	16-9	0740	Mon	04650 00001 00000 34261	MFSK-16/20Bd	(AB)
XPA2	18206	16-9	0910	Mon	00356 00089 80057 ... 85910 89839 23350	MFSK-16/20Bd	(AB)
XPA2	16329	16-9	0930	Mon	00356 00089 80057 ... 85910 89839 23350	MFSK-16/20Bd	(AB)
XPA2	15824	16-9	0950	Mon	00356 00089 80057 ... 85910 89839 23350	MFSK-16/20Bd	(AB)
XPA2	14373	16-9	1500	Mon	09859 00194 83067 ... 55849 10077 24406	MFSK-16/20Bd	(AB/MPJ)
XPA2	13373	16-9	1520	Mon	09859 00194 83067 ... 55849 10077 24406	MFSK-16/20Bd	(AB/MPJ)
XPA2	11573	16-9	1540	Mon	09859 00194 83067 ... 55849 10077 24406	MFSK-16/20Bd	(AB/MPJ)
XPA2	13914	17-9	1200	Tue	08115 00108 34202 ... 87979 39520 11270	MFSK-16/20Bd	(AB/MPJ)
XPA2	15814	17-9	1220	Tue	08115 00108 34202 ... 87979 39520 11270	MFSK-16/20Bd	(AB/MPJ)

XPA2	16314	17-9	1240	Tue	08115 00108 34202 ... 87979 39520 11270	MFSK-16/20Bd	(AB/MPJ)
XPA2	13887	17-9	1600	Tue	00157 00103 98952 99525 37829 ... 24064 40366 42338 40519 16024	MFSK-16/20Bd	(MPJ)
XPA2	13387	17-9	1620	Tue	00157 00103 98952 99525 37829 ... 24064 40366 42338 40519 16024	MFSK-16/20Bd	(MPJ)
XPA2	11587	17-9	1640	Tue	00157 00103 98952 99525 37829 ... 24064 40366 42338 40519 16024	MFSK-16/20Bd	(MPJ)
XPA2	12152	18-9	0700	Wed	05118 00001 00000 35656	MFSK-16/20Bd	(AB)
XPA2	13552	18-9	0720	Wed	05118 00001 00000 35656	MFSK-16/20Bd	(AB)
XPA2	13952	18-9	0740	Wed	05118 00001 00000 35656	MFSK-16/20Bd	(AB)
XPA2	18206	18-9	0910	Wed	00356 00089 80057 ... 85910 89839 23350	MFSK-16/20Bd	(AB)
XPA2	16329	18-9	0930	Wed	00356 00089 80057 ... 85910 89839 23350	MFSK-16/20Bd	(AB)
XPA2	15824	18-9	0950	Wed	00356 00089 80057 ... 85910 89839 23350	MFSK-16/20Bd	(AB)
XPA2	13484	18-9	1200	Wed	05922 00042 17946 ... 50031 99280 01560	MFSK-16/20Bd	(AB/MPJ)
XPA2	14684	18-9	1220	Wed	05922 00042 17946 ... 50031 99280 01560	MFSK-16/20Bd	(AB/MPJ)
XPA2	15984	18-9	1240	Wed	05922 00042 17946 ... 50031 99280 01560	MFSK-16/20Bd	(AB/MPJ)
XPA2	15859	19-9	0910	Thu	06751 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	14659	19-9	0930	Thu	06751 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	13459	19-9	0950	Thu	06751 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	13887	19-9	1600	Thu	00157 00103 98952 99525 37829 ... 24064 40366 42338 40519 16024	MFSK-16/20Bd	(AB/MPJ)
XPA2	13387	19-9	1620	Thu	00157 00103 98952 99525 37829 ... 24064 40366 42338 40519 16024	MFSK-16/20Bd	(AB/MPJ)
XPA2	11587	19-9	1640	Thu	00157 00103 98952 99525 37829 ... 24064 40366 42338 40519 16024	MFSK-16/20Bd	(AB/MPJ)
XPA2	13484	20-9	1200	Fri	05922 00042 17946 ... 50031 99280 01560	MFSK-16/20Bd	(AB)
XPA2	14684	20-9	1220	Fri	05922 00042 17946 ... 50031 99280 01560	MFSK-16/20Bd	(AB)
XPA2	15984	20-9	1240	Fri	05922 00042 17946 ... 50031 99280 01560	MFSK-16/20Bd	(AB)
XPA2	15859	21-9	0910	Sat	06265 00001 00000 34664	MFSK-16/20Bd	(AB)
XPA2	14659	21-9	0930	Sat	06265 00001 00000 34664	MFSK-16/20Bd	(AB)
XPA2	13459	21-9	0950	Sat	06265 00001 00000 34664	MFSK-16/20Bd	(AB)
XPA2	14373	21-9	1500	Sat	07106 00001 00000 34657	MFSK-16/20Bd	(AB)
XPA2	13373	21-9	1520	Sat	07106 00001 00000 34657	MFSK-16/20Bd	(AB/MPJ)
XPA2	11573	21-9	1540	Sat	07106 00001 00000 34657	MFSK-16/20Bd	(AB/MPJ)
XPA2	13914	22-9	1200	Sun	00261 00100 47755 ... 99569 92236 33520	MFSK-16/20Bd	(AB/MPJ)
XPA2	15814	22-9	1220	Sun	00261 00100 47755 ... 99569 92236 33520	MFSK-16/20Bd	(AB/MPJ)
XPA2	16314	22-9	1240	Sun	00261 00100 47755 ... 99569 92236 33520	MFSK-16/20Bd	(AB/MPJ)
XPA2	12152	23-9	0700	Mon	00643 00098 46397 ... 02051 31028 62110	MFSK-16/20Bd	(AB)
XPA2	13552	23-9	0720	Mon	00643 00098 46397 ... 02051 31028 62110	MFSK-16/20Bd	(AB)
XPA2	13952	23-9	0740	Mon	00643 00098 46397 ... 02051 31028 62110	MFSK-16/20Bd	(AB)
XPA2	18206	23-9	0910	Mon	06460 00001 00000 32264	MFSK-16/20Bd	(AB)
XPA2	16329	23-9	0930	Mon	06460 00001 00000 32264	MFSK-16/20Bd	(AB)
XPA2	15824	23-9	0950	Mon	06460 00001 00000 32264	MFSK-16/20Bd	(AB)
XPA2	14373	23-9	1500	Mon	08594 00001 00000 35671	MFSK-16/20Bd	(AB/MPJ)
XPA2	13373	23-9	1520	Mon	08594 00001 00000 35671	MFSK-16/20Bd	(AB/MPJ)

XPA2	11573	23-9	1540	Mon	08594 00001 00000 35671	MFSK-16/20Bd	(AB/MPJ)
XPA2	13914	24-9	1200	Tue	00261 00100 47755 ... 99569 92236 33520	MFSK-16/20Bd	(AB/MPJ)
XPA2	15814	24-9	1220	Tue	00261 00100 47755 ... 99569 92236 33520	MFSK-16/20Bd	(AB/MPJ)
XPA2	16314	24-9	1240	Tue	00261 00100 47755 ... 99569 92236 33520	MFSK-16/20Bd	(AB/MPJ)
XPA2	13887	24-9	1600	Tue	02144 00001 00000 33656	MFSK-16/20Bd	(AB/MPJ)
XPA2	13387	24-9	1620	Tue	02144 00001 00000 33656	MFSK-16/20Bd	(AB/MPJ)
XPA2	11587	24-9	1640	Tue	02144 00001 00000 33656	MFSK-16/20Bd	(AB/MPJ)
XPA2	12152	25-9	0700	Wed	00643 00098 46397 ... 02051 31028 62110	MFSK-16/20Bd	(AB)
XPA2	13552	25-9	0720	Wed	00643 00098 46397 ... 02051 31028 62110	MFSK-16/20Bd	(AB)
XPA2	13952	25-9	0740	Wed	00643 00098 46397 ... 02051 31028 62110	MFSK-16/20Bd	(AB)
XPA2	18206	25-9	0910	Wed	07619 00001 00000 40660	MFSK-16/20Bd	(AB-RUS)
XPA2	16329	25-9	0930	Wed	07619 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	15824	25-9	0950	Wed	07619 00001 00000 40660	MFSK-16/20Bd	(AB)
XPA2	13484	25-9	1200	Wed	07722 00100 78050 ... 45342 66060 64553	MFSK-16/20Bd	(AB)
XPA2	14684	25-9	1220	Wed	07722 00100 78050 ... 45342 66060 64553	MFSK-16/20Bd	(AB)
XPA2	15984	25-9	1240	Wed	07722 00100 78050 ... 45342 66060 64553	MFSK-16/20Bd	(AB)
XPA2	15859	26-9	0910	Thu	06718 00001 00000 40657	MFSK-16/20Bd	(AB)
XPA2	14659	26-9	0930	Thu	06718 00001 00000 40657	MFSK-16/20Bd	(AB)
XPA2	13459	26-9	0950	Thu	06718 00001 00000 40657	MFSK-16/20Bd	(AB)
XPA2	13887	26-9	1600	Thu	02040 00001 00000 31256	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	13387	26-9	1620	Thu	02040 00001 00000 31256	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	11587	26-9	1640	Thu	02040 00001 00000 31256	MFSK-16/20Bd	(AB/MPJ)
XPA2	13484	27-9	1200	Fri	07722 00100 78050 ... 45342 66060 64553	MFSK-16/20Bd	(AB/MPJ)
XPA2	14684	27-9	1220	Fri	07722 00100 78050 ... 45342 66060 64553	MFSK-16/20Bd	(AB/MPJ)
XPA2	15984	27-9	1240	Fri	07722 00100 78050 ... 45342 66060 64553	MFSK-16/20Bd	(AB/MPJ)
XPA2	14373	28-9	1500	Sat	05388 00001 00000 36665	MFSK-16/20Bd	(AB/MPJ)
XPA2	13373	28-9	1520	Sat	05388 00001 00000 36665	MFSK-16/20Bd	(AB/MPJ)
XPA2	11573	28-9	1540	Sat	05388 00001 00000 36665	MFSK-16/20Bd	(AB/MPJ)
XPA2	13914	29-9	1200	Sun	07381 00096 80994 ... 63551 74894 12443	MFSK-16/20Bd	(AB/MPJ)
XPA2	15814	29-9	1220	Sun	07381 00096 80994 ... 63551 74894 12443	MFSK-16/20Bd	(AB/MPJ)
XPA2	16314	29-9	1240	Sun	07381 00096 80994 ... 63551 74894 12443	MFSK-16/20Bd	(AB/MPJ)
XPA2	12152	30-9	0700	Mon	00643 00098 46397 ... 02051 31028 62110	MFSK-16/20Bd	(AB)
XPA2	13552	30-9	0720	Mon	00643 00098 46397 ... 02051 31028 62110	MFSK-16/20Bd	(AB)
XPA2	13952	30-9	0740	Mon	00643 00098 46397 ... 02051 31028 62110	MFSK-16/20Bd	(AB)
XPA2	18206	30-9	0910	Mon	04440 00001 00000 33260	MFSK-16/20Bd	(AB-AUT)
XPA2	16329	30-9	0930	Mon	04440 00001 00000 33260	MFSK-16/20Bd	(AB-AUT)
XPA2	15824	30-9	0950	Mon	04440 00001 00000 33260	MFSK-16/20Bd	(AB)
XPA2	14373	30-9	1500	Mon	09216 00001 00000 35262	MFSK-16/20Bd	(AB/MPJ)
XPA2	13373	30-9	1520	Mon	09216 00001 00000 35262	MFSK-16/20Bd	(AB/MPJ)

XPA2	11573	30-9	1540	Mon	09216 00001 00000 35262	MFSK-16/20Bd	(AB/MPJ)
XPB1	12139	1-9	1900	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10939	1-9	1910	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	9339	1-9	1920	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8139	1-9	1930	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6939	1-9	1940	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5839	1-9	1950	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12139	3-9	1900	Tue	Russian intel.	MFSK-16	(RL)
XPB1	10939	3-9	1910	Tue	Russian intel.	MFSK-16	(RL)
XPB1	9339	3-9	1920	Tue	Russian intel.	MFSK-16	(RL)
XPB1	12139	8-9	1900	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10939	8-9	1910	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	9339	8-9	1920	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	8139	8-9	1930	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6939	8-9	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5839	8-9	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	12139	10-9	1900	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10939	10-9	1910	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9339	10-9	1920	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8139	10-9	1930	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6939	10-9	1940	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5839	10-9	1950	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14462	14-9	1200	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13962	14-9	1210	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13462	14-9	1220	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12162	14-9	1230	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	11562	14-9	1240	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10962	14-9	1250	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12139	15-9	1900	Sun	Russian intel.	MFSK-16	(AB)
XPB1	10939	15-9	1910	Sun	Russian intel.	MFSK-16	(AB)
XPB1	9339	15-9	1920	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8139	15-9	1930	Sun	Russian intel.	MFSK-16	(AB/RL)
XPB1	6939	15-9	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5839	15-9	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14462	16-9	1200	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13962	16-9	1210	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13462	16-9	1220	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12162	16-9	1230	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11562	16-9	1240	Mon	Russian intel.	MFSK-16	(AB/MPJ)

XPB1	10962	16-9	1250	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12139	17-9	1900	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	10939	17-9	1910	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	9339	17-9	1920	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	8139	17-9	1930	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	6939	17-9	1940	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	5839	17-9	1950	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14462	21-9	1200	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13962	21-9	1210	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13462	21-9	1220	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12162	21-9	1230	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11562	21-9	1240	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10962	21-9	1250	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12139	22-9	1900	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10939	22-9	1910	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	9339	22-9	1920	Sun	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	8139	22-9	1930	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6939	22-9	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5839	22-9	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14462	23-9	1200	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13962	23-9	1210	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13462	23-9	1220	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	12162	23-9	1230	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11562	23-9	1240	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10962	23-9	1250	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16353	24-9	0429	Tue	Russian intel.	MFSK-16	(EW)
XPB1	15829	24-9	0439	Tue	Russian intel.	MFSK-16	(EW)
XPB1	14957	24-9	0449	Tue	Russian intel.	MFSK-16	(EW)
XPB1	6138	24-9	0629	Tue	Russian intel.	MFSK-16	(EW)
XPB1	12139	24-9	1900	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10939	24-9	1910	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9339	24-9	1920	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8139	24-9	1930	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6939	24-9	1940	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5839	24-9	1950	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14462	28-9	1200	Sat	Russian intel.	MFSK-16	(MPJ)
XPB1	13962	28-9	1210	Sat	Russian intel.	MFSK-16	(MPJ)
XPB1	13462	28-9	1220	Sat	Russian intel.	MFSK-16	(MPJ)
XPB1	12162	28-9	1230	Sat	Russian intel.	MFSK-16	(MPJ)

XPB1	11562	28-9	1240	Sat	Russian intel.	MFSK-16	(MPJ)
XPB1	10962	28-9	1250	Sat	Russian intel.	MFSK-16	(MPJ)
XPB1	12139	29-9	1900	Sun	Russian intel.	MFSK-16	(AB-RUS)
XPB1	10939	29-9	1910	Sun	Russian intel.	MFSK-16	(AB-RUS)
XPB1	9339	29-9	1920	Sun	Russian intel.	MFSK-16	(AB-RUS)
XPB1	8139	29-9	1930	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6939	29-9	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5839	29-9	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	14462	30-9	1200	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13962	30-9	1210	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13462	30-9	1220	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12162	30-9	1230	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	11562	30-9	1240	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	10962	30-9	1250	Mon	Russian intel.	MFSK-16	(AB)

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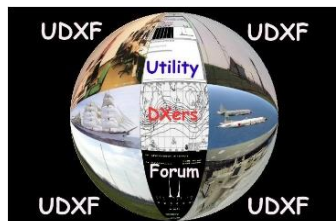
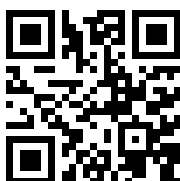
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723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 10
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8 63298 75698 27465 87326 49876 28376 81273 98615 00
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