

670	27364	92836	09428	61208	74982	36498	32764	81276	01
4986	40932	70987	32123	49817	26346	81287	65491	87364	81
721	75654	55656	12737	72727	72727	91918	63473	67867	76
6723	87629	37677	32612	53498	71296	28756	18276	98716	87
7269	76329	74698	76857	98670	27601	56701	57601	73648	15
591	87364	87265	96710	27630	12673	84769	28743	98127	59
658	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43286	432
667	68768	68763	34234	34238	68768	62342	48273	48768	234
936	98432	32432	86743	43286	43286	43286	43286	43286	432
743	86743	86743	39867	32867	86743	43286	43286	43243	867
741	86743	86743	86743	86743	86743	86743	86743	86743	435
543	98798	98754	98754	98754	98754	29867	67543	67986	867
676	87698	69876	87698	69876	87612	12341	34867	86798	632
867	43298	65656	56756	56123	32143	14321	32143	14321	321
871	02787	58765	76587	58765	76587	58765	76587	58756	765
75476	76543	54365	36543	54365	36543	54365	36543	54365	543

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #224, May 2016

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.

Due to circumstances this newsletter is a bit later than usual.

After a couple of days of tests in April, the GRU continued with more tests in May. Transmissions of G06, V06, S06 and a French 06 variant were heard on 4 May on 9073 kHz. On 6 May, the digital stations M42c (F01) and F06a had their tests. Amongst them two very long messages. A 300 groups S06 transmission popped up on 11 May. More tests were sent on the 16th and 19th. See the various columns for further details. The frequencies used for the tests are 7353, 7992, 8140, 9063, 9300, 9463, 9470, 10277, 10755, 11073, 13530, 19460 kHz.

V13 has new schedules but due to propagation problems not all of them have been 100% confirmed.

VOICE STATIONS



E06

14565/16125 kHz, 05-05/06-05/19-05/20-05, 0500/0600 UTC

460 758 123

43316 29908 48095 06894 73562 64272 94445 05727 75536 73378
40368 58281 58013 09191 61079 92694 96742 01113 31901 01921
14493 24980 16939 06308 85810 95579 75460 03772 83661 68648
95612 57399 10172 63276 50210 93054 78620 40664 34253 05721
38902 00158 88863 97971 63625 78514 41353 99008 37052 63320
36074 37700 14046 56510 95768 68063 41237 48926 38090 70628
57577 91839 76989 78113 16474 76389 63652 98856 96700 56870
46669 36437 94261 78798 56140 28931 12396 97708 41388 56224
91922 99602 16972 88840 49099 59001 96687 76698 13188 95534
20252 01258 80918 14993 02338 39479 30030 45798 58670 13033
59088 06825 88859 21205 45752 67492 20652 80930 40688 86096
45304 22395 39321 37291 98751 13631 98596 64668 68269 12571
90956 19377 29306
758 123 00000

5948 kHz, 05-05/19-05, 2030 UTC

724 569 63

14259 22676 32782 32782 76723 89409 12215 74326 64070 90235
38085 59543 12319 74328 36664 12256 18841 73311 98089 12250
57878 87897 79879 99990 98878 89889 87879 56787 09000 76578
87878 89898 89890 98798 65656 54545 56566 56578 87876 99877
38085 59543 12319 74238 36664 12256 18841 73311 98089 12250
87878 89898 89890 98798 65656 54545 56566 56578 87876 99877
32333 43433 54545
569 63 00000

16354/14536 kHz, 07-05/08-05, 1100/1200 UTC. E06 instead of M42d.

832 195 70

08507 94470 50174 24298 17246 93396 89577 86071 27148 04675
01750 42438 51228 97899 89799 83185 52949 20083 26249 80309
04082 77316 84174 24099 75922 72042 42471 53005 00804 59097
13832 93186 06272 31778 30815 65331 96883 31267 65022 87672
00676 77849 20752 33375 05776 89450 02284 85693 64899 77003
18180 47913 28417 39094 14137 53310 89385 15767 62931 10490
55390 50098 84688 09338 81862 41033 56548 84793 87483 93239
195 70 00000

5731 kHz, 20-05, 2130 UTC

315 569 63

14259 22676 32782 32782 76723 89409 12215 74326 64070 90235
38085 59543 12319 74238 36664 12256 18841 73311 98089 12250
57878 87897 79879 99990 98878 89889 87879 56787 09000 76578
87878 89898 89890 98798 65656 54545 56566 56578 87876 99877
38085 59543 12319 74238 36664 12256 18841 73311 98089 12250
87878 89898 89890 98798 65656 54545 56566 56578 87876 99877
32333 43433 54545
569 63 00000



E06b

10755 kHz, 16-05, 1340 UTC, GRU test

975 975 975 19827 (R) 863 15

46180 28209 80210 23722 84915 72651 12746 17605 94273 81591 52307 54

975 (R)

12746 17605 94273 81591 52307 54640 62594 84313 50517



E07

14812/13412/11512 kHz, 09-05/11-05, 1900/1920/1940 UTC

845 1 9323 59

39896 97869 38074 77021 13607 99440 27128 94945 73803 23987
78552 59782 99417 10901 92019 15535 56712 91677 24606 10652
48645 33789 91258 51687 78467 43416 81780 45659 53685 58179
71692 20373 89307 53597 44633 66585 57009 11352 73736 96200
72285 64738 48029 65124 58266 84464 97842 10649 32963 18066
34833 55137 96116 74766 01434 49288 19875 49753 49727
000 000

9064/10264/11464 kHz, 21-05/28-05, 0600/0620/0640 UTC

024 1 296 70

90750 26419 30367 09455 82182 02730 08138 55254 14831 67930
12028 12182 62547 70453 60109 55669 05779 01165 07897 67782
01103 51164 55706 80770 95139 51350 22296 31510 43964 64681
08326 13567 41430 00148 70112 79476 35771 90376 04857 01280
11749 47199 94645 12457 25630 98355 11422 57599 38969 23774
78295 74460 99684 76755 80471 34880 36650 33579 18225 16730
02338 84110 54205 10168 32983 49167 06200 20206 56823 07232
000 000



E07a

7933/9133/10233 kHz, 11-05/12-05, 0430/0450/0510 UTC

912 912 912 1 33936 6769 61 6769 61
99503 88422 40225 24436 50446 39380 96952 24418 43460 00767
18076 51491 46394 96759 26865 55675 00582 48775 69269 37556
97417 32080 73897 86809 61507 55014 05286 29133 79283 74046
82977 77721 29420 70318 17168 26844 45616 49537 86508 11970
32871 73732 88025 95657 71714 05116 17197 26357 38651 49164
00655 11927 11705 52146 17264 03564 97482 20743 51072 80701
75726
000 000

12182/11082/10182 kHz, 13-05, 1510/1530/1550 UTC

101 101 101 1 31411 2303 57 2303 57
75046 65256 65085 34590 65075 00383 23611 58278 26995 26136
21302 26032 61975 79510 29258 02315 47746 00280 40542 73657
85005 87320 84537 71320 45087 73703 60341 48153 05276 55437
87824 64218 68454 99987 46750 51627 96489 17475 03767 13822
34673 28137 87459 63134 57550 72352 84732 67433 47884 55738
84348 49706 42928 86421 06641 41401 96201
000 000

12177/13477/14877 kHz, 14-05, 0800/0820/0840 UTC

148 148 148 1 31411 2303 57 2303 57
75046 65256 65085 34590 65075 00383 23611 58278 26995 26136
21302 26032 61975 79510 29258 02315 47746 00280 40542 73657
85005 87320 84537 71320 45087 73703 60341 48153 05276 55437
87824 64218 68454 99987 46750 51627 96489 17475 03767 13822
34673 28137 87459 63134 57550 72352 84732 67433 47884 55738
84348 49706 42928 86421 06641 41401 96201
000 000

7933 kHz, 26-05, 0430 UTC

912 912 912 1 36764 7918 91 7918 91
98151 22628 74897 20486 47396 13344 90442 52828 44223 54098
06643 92987 58941 47343 95271 04056 46691 41531 24659 12353
70125 50782 85516 03328 13738 76733 71096 15644 44293 48762
60027 95108 61822 40074 93982 01614 95831 01717 57174 35612
39858 11151 87619 97440 33140 03069 47913 80192 28713 90109
92038 00392 43290 97676 37237 50979 27095 08583 78757 16806
97217 00224 49438 21261 53183 18260 29059 22613 65569 84494
90897 41311 81044 32315 64518 65484 50817 45236 52950 69795
93369 60070 83614 10821 15477 49418 79733 71120 74195 34611
45756
000 000



E11a

15803 kHz, 03-05/04-05, 1300 UTC

132/36 Attention

96922 75027 24495 47559 92657 51185 65071 80093 86229 67239
53402 09989 57809 44032 26079 25789 61445 35839 33187 42424
98236 72355 45349 11972 74993 48728 71411 04310 09337 76864
29808 19861 84443 80211 49111 72668

Attention, rpt msg, out

14865 kHz, 04-05/07-05, 1705 UTC

399/37 Attention

01881 14278 25165 53931 42486 42833 78782 43089 95548 89714
54646 60238 01789 94246 59233 69084 44919 17898 38206 06562
92530 68881 08462 34849 61302 37280 68405 02295 99872 31713
92427 90666 46208 72591 83238 71233 46581

Attention, rpt msg, out

11581 kHz, 05-05, 1925 UTC

528/35 Attention

57041 76448 60886 65995 24164 10278 33341 23396 19806 89620
10327 51422 47263 28741 00965 08878 00276 57910 80042 80732
65067 11673 71707 68947 50091 82840 67007 67546 15444 42171
66268 15989 29162 80650 75883

Attention, rpt msg, out

15905 kHz, 07-05, 0710 UTC

497/38 Attention

14348 65152 71264 20272 22303 25962 48737 74696 48675 45489
01055 05208 69030 68592 92877 84529 95103 10851 78251 96944
00795 79575 71936 52124 36174 69920 90749 06824 93661 23057
34498 84393 87734 77926 94345 90213 25722 88079

Attention, rpt msg, out

13424 kHz, 10-05/12-05, 0645 UTC

519/31 Attention

72250 88494 03736 16726 78513 20741 77698 93702 98084 66946
58023 11804 70799 50020 36245 07699 65187 69555 77716 74425
28378 09065 59800 40366 69096 46286 66252 90134 88531 42189
00328

Attention, rpt msg, out

9052 kHz, 10-05/12-05, 1450 UTC

446/40 Attention

06636 33741 99077 09425 62345 22079 45983 33272 98315 83312
34365 61750 95091 81878 45999 19114 80054 29617 25090 78287
25074 84249 39853 66992 24470 92344 09268 49292 33868 62127
91128 67812 21878 49538 70163 94662 04127 13856 10198 44511

Attention, rpt msg, out

13424 kHz, 11-05/13-05, 0545 UTC

347/33 Attention

37817 82413 32598 52492 31915 63578 49733 80548 31163 29936
36001 35262 07744 70597 80439 90686 52912 01188 61581 07248
62756 78896 81247 40297 90705 57112 93669 70879 11931 31650
97777 08666 03022

Attention, rpt msg, out

13908 kHz, 13-05, 0600 UTC

182/32 Attention

26608 39370 25230 77514 71711 77447 14689 01661 40565 04676
80307 65742 60777 12741 71986 60325 50772 42891 75434 44385
40689 36881 94267 70382 62650 71406 89391 57055 72593 49963
09134 87892

Attention, rpt msg, out

13537 kHz, 16-05, 1225 UTC

520/33 Attention

12244 59039 15135 07597 29773 08311 82282 13716 57078 61539
19748 89970 49384 92943 24469 57592 60740 22041 48710 65666
18513 51753 24255 41037 94815 33297 34632 19209 14710 77917
05968 79646 29010

Attention, rpt msg, out

14753 kHz, 17-05/20-05, 0710 UTC

634/38 Attention

69241 26330 25427 98987 03567 64222 58030 09570 47323 43561
41446 12223 84031 68973 28103 31701 19791 77419 11198 29725
81513 59284 57066 43891 90955 96236 31439 50491 55098 61516
28949 68083 99170 49516 52649 55317 80614 71588

Attention, rpt msg, out

13873 kHz, 17-05, 1045 UTC

576/39 Attention

05353 21352 82149 09501 58381 05135 54697 91647 88327 60100
11864 95698 22702 85328 31004 69129 46531 68895 82568 18631
67329 56233 23575 28190 73714 94790 67287 76664 69890 40903
17828 65185 70711 66580 69611 39572 89419 84253 17792

Attention, rpt msg, out

13427 kHz, 18-05, 0900 UTC

534/32 Attention

66940 75182 42382 96807 94112 77713 02703 03954 63849 39091
16504 17874 09948 08156 50469 65687 44854 37573 93800 80256
16365 28660 53104 97528 29162 52841 37935 41752 11027 06529
16904 34755

Attention, rpt msg, out

15795 kHz, 18-05, 1625 UTC

978/34 Attention

45796 11924 19530 09350 93475 00152 66639 23053 40793 32455
35673 90032 72825 64880 09683 94278 92932 81096 88967 24882
61221 51714 25772 56830 81524 98773 19801 53784 88726 94293
06707 47860 45946 46884

Attention, rpt msg, out

8088 kHz, 19-05, 1730 UTC

414/32 Attention

79632 84469 59075 39635 83214 60405 43512 04416 81393 77221
77026 80181 72027 64461 16457 24510 74773 21220 85025 85264
88898 75995 70992 74670 76353 92569 48030 42002 45029 61375
61082 63954

Attention, rpt msg, out

4783 kHz, 22-05, 1605 UTC

232/36 Attention

38986 88816 91453 97705 94097 51138 57675 26352 07895 73774
81144 22939 00085 49664 43781 67282 62457 76667 57873 78507
87252 89940 93258 39578 23333 87361 30378 62944 92763 56689
77285 99615 65831 84913 38146 61890

Attention, rpt msg, out

15795 kHz, 22-05, 1625 UTC

978/34 Attention

45796 11924 19530 09350 93475 00152 66639 23053 40793 32455
35673 90032 72825 64880 09683 94278 92932 81096 88967 24882
61221 51714 25772 56830 81524 98773 19801 53784 88726 94293
06707 47860 45946 46884

Attention, rpt msg, out

10213 kHz, 25-05, 0930 UTC

271/36 Attention

33383 37343 31152 43619 69321 67188 22168 94649 38023 54987
05752 52806 60672 56082 76950 12766 80856 28195 19911 11899
45595 01510 74148 44438 14968 16671 45288 03332 01369 02850
38552 82337 01560 54669 48810 49273

Attention, rpt msg, out

10302 kHz, 25-05, 1205 UTC

463/37 Attention

24128 33920 48397 66625 32382 59949 78999 25217 63974 02176
63821 01040 12229 92263 92967 66677 76993 32118 85156 91224
30762 41795 00445 45528 84807 93129 29027 18872 28768 98494
87145 27421 93073 64343 22184 01201 98626

Attention, rpt msg, out

13537 kHz, 20-05, 1225 UTC

520/33 Attention

12244 59039 15135 07597 29773 08311 82282 13716 57078 61539
19748 89970 49384 92943 24469 57592 60740 22041 48710 65666
18513 51753 24255 41037 94815 33297 34632 19209 14710 77917
05968 79646 29010

Attention, rpt msg, out

8530 kHz, 20-05, 2000 UTC

576/39 Attention

05353 21352 82149 09501 58381 05135 54697 91647 88327 60100
11864 95698 22702 85328 31004 69129 46531 68895 82568 18631
67329 56233 23575 28190 73714 94790 67287 76664 69890 40903
17828 65185 70711 66580 69611 39572 89419 84253 17792

Attention, rpt msg, out



E17z

16780/12850 kHz, 05-05/12-05, 0800/0810 UTC

674 258 9 37391 37446 86525 89203 33244 39054 35843 37259 37633 258 9 00000

16780/12850 kHz, 19-05/26-05, 0800/0810 UTC

674 953 8 88620 58069 61732 74537 57440 10597 23521 47660 953 8 00000



E25 / E25a

6140 kHz, 03-05, 0813 UTC

Windows sounds and clicks before, during and after the message

185 189 185 189 185 189 185 189

185 189 185 189 185 189 185 189 189 189 189 189 189

Message Message Message

1096 1230 3325

189 185 189

185 189 185 189 185 189 189 189 189 189 189

Message Message Message

1096 1230 3325 4416 5295 1230 3325 4416 5295 1 1 1

Rebeat Rebeat Rebeat

1096 1230 3325 4416 5295 1230 1234

End of Message

6140 kHz, 03-05, 1023 UTC

Windows sounds, beeps.

672 1025 9083 1652 9122 8312 4532 6652

9600 kHz, 03-05, 1030 UTC

Test. Oriental music.

6140 kHz, 04-05, 0842 UTC

Clicks, a few tones of music

169 169 169 169 169 169 169 169 169 169

Message Message Message

1049 0620 9164 3371 5977 9936 7106

Rebeat Rebeat Rebeat

1049 0620 9164 3371 <break> 977 9936 7106

End of Message. End of Transmission

6140 kHz, 04-05, 1030 UTC

672

Message Message Message

1025 9083 1652 9122 8312 4532 6652

Rebeat Rebeat Rebeat

1025 9083 1652 9122 8312 4532 6652

End of Message. End of Transmission

6140 kHz, 05-05, 0907 UTC

Clicks, Windows sounds, technical problems

169 169 169 169 169 169 169 169 169 169

Message Message Message

1049 0620 9164 3371 5977 9 6 710

Rebeat Rebeat Rebeat

1049 0 20 9164 3371 5977 9936 7106

End of Message. End of Transmission

169 169 1 9 69 169 169 169 169 169 169

Message Message Message

1049 0620 9164 3371 5977 9936 7106

Rebeat Rebeat Rebeat

1049 0620 9164 3371 5977 9936 7106

End of Message. End of Transmission

6140 kHz, 09-05, 0830 UTC

Windows sounds, clicks

701 701 701 701 701 701 <break> 701 701 701 701 701

Message Message Message

2415 7580 1001 3732 0545 1887 4857 7705 3321 7580

Rebeat Rebeat Rebeat

2415 7580 1001 3732 0545 1887 4857 7705 3321 7580

End of Message. End of Transmission

6140 kHz, 10-05, 0835 UTC

Carrier on and off at 0828 and 0832z. Clicks

701 701 701 701 701 701 701 701 701 701 701

Message Message Message

2415 7580 1001 3732 0545 1887 4857 7705 3321 7580

Rebeat Rebeat Rebeat

2415 7580 1001 3732 0545 1887 457 7705 3321 780

End of Message. End of Transmission

6140 kHz, 18-05, 1035 UTC

701 701 701 701 701 701 701 701 701 701 701

Message Message Message

2415 7580 1001 3732 0545 1887 4857 7705 3321 7580

Rebeat Rebeat Rebeat

2415 7580 1001 3732 0545 1887 4857 7705 3321 75

701 701 701 701 701 701 701 701 701 701 701

Message Message Message

2415 7580 1001 3732 0545 1887 4857 7705 3321 7580

Windows 7 sounds during the transmission.

6140 kHz, 03-05, 0636 UTC Carrier switching on and off for about 2 minutes.

6140 kHz, 05-05, 0848 UTC Carrier switching on and off. 440hz beeps and windows 7 sounds noted.

6140 kHz, 15-05, 0940 UTC Aarrier switching on and off

6140 kHz, 18-05, 1000 UTC Carrier with some Enta Omri noted.

Music ends abruptly 8 minutes later with the transmitter switching off.

6140 kHz, 21-05, 0655 UTC Carrier with Enta Omri and some windows sounds

9400 kHz, 21-05, 1010 UTC Transmitter testing on 9400 AM. Test includes test tones and Arabic music.

6140 kHz, 21-05, 1000 UTC Carrier switching on and off

6140 kHz, 21-05, 1020 UTC Carrier switching on and off

6140 kHz, 21-05, 1035 UTC Carrier switching on and off



G06

9073 kHz, 04-05, 1600 UTC GRU test. 975 975 975 23456

5348 kHz, 09-05, 1641 UTC Test: 1 1 1

5348 kHz, 09-05, 1648 UTC Test: 1 1 1

5348 kHz, 09-05, 1650 UTC Test: 1 1 1

5859 kHz, 09-05, 1753 UTC Test: 1 1

6956 kHz, 04-05, 1300 UTC

5348 kHz, 09-05, 1700 UTC, early start

5859 kHz, 09-05, 1759 UTC, early start

7425 kHz, 11-05, 1159 UTC, early start

574 071 137

04593 78423 10208 86750 01137 10711 23454 39677 79338 07837

96472 24186 09771 93346 88185 52202 77296 56829 32138 40065

89500 97627 38191 27402 58272 37608 55660 33710 75915 84363

71641 45639 39187 83899 53143 99163 87671 32829 20746 46198

32552 23454 22365 14469 42916 39777 59947 52165 11371 41216

89876 41279 51517 68368 46340 84547 95387 17931 36386 69850

57718 20430 74031 00355 80190 94259 41051 57837 12411 52768

31732 43078 97059 94397 70557 13196 84541 84070 61822 00618

97767 45028 37135 16710 31968 51724 14345 93831 81144 17987

73729 54748 03458 72460 73739 89864 23185 31771 20073 04065

04286 96912 46065 44101 49054 84432 27506 14984 93387 12346

05349 11518 80324 15996 96662 32023 64742 53326 95638 80808

67659 02132 49054 10019 33938 30810 67887 39535 10293 83256

52532 46098 58062 90699 20388 10607 16049

071 137 00000

6887 kHz, 12-05, 1830 UTC

842 317 317 90 90

37839 35787 98273 60187 16202 95625 31691 52538 61025 22567

93296 67423 40968 16891 63781 34820 04842 60491 75924 04594

77878 46766 09098 78643 09548 46677 90906 89898 56566 67677

76748 84848 84877 16891 63781 34820 04842 87874 78788 78888

93296 67423 40968 16891 63781 34820 04842 60491 75924 56784

09548 46677 90906 89898 56566 67677 23445 34344 45454 34344

35787 98273 60187 16202 95625 46565 43434 89798 54546 78788

76748 84848 84877 16891 34567 34820 04842 87874 78788 78888

68768 76876 58746 58764 87564 85764 87567 64848 85748 84784

317 317 90 90 00000

10755 kHz, 16-05, 1300 UTC. GRU test

975 975 975 98743 (R) 00000



S06

9073 kHz, 04-05, 1625 UTC, GRU test.

975 (R) 123 123 12 12
39355 39355 73841 73841 99887 99887 56875 56875 99328 99328
90142 90142 89750 89750 82740 82740 78063 78063 17962 17962
90792 90792 35751 35751
123 123 12 12
975 (R) 97 (off)

13530/9300/8140 kHz, 11-05, 1110/1210/1310 UTC, GRU test.

975 999 300
70771 95326 87547 32761 76481 90767 19058 90996 95128 99264
54461 40878 26692 50330 42320 32542 45518 81729 77736 73781
97190 34105 17579 52730 37701 52792 25084 59311 14381 94004
75152 95035 71552 97914 61517 52320 42513 37448 96237 86975
68327 12929 27305 35472 62824 72377 26606 59568 27314 34186
55016 76978 17383 81360 17093 88332 46513 49884 34427 53646
92204 31400 86160 19652 17638 63135 77979 20567 80441 68627
46040 33265 31004 69249 49872 80573 56564 74058 72871 41037
80255 95908 12397 87348 84240 48910 79476 14125 73338 23123
96329 94739 99283 52418 73961 12945 22859 32588 48985 46125
53593 78234 85997 24166 24799 50056 87038 16380 81093 57293
83490 34641 66530 22401 70655 85739 17241 56984 70478 52966
62856 48943 16927 65801 61802 39515 97928 83109 73021 73926
97275 87820 13982 74313 94200 85076 21606 86490 58567 46248
43020 70968 40367 46708 47608 50659 44133 93625 60043 83077
15844 34879 30069 10631 22808 73653 86734 90453 51473 90717
54767 35674 65794 66373 12165 14361 45185 75330 32989 38860
12039 70598 79520 63146 59270 77809 53699 65114 73768 65746
15497 66946 29399 92232 47400 70873 72949 92167 96548 28743
48541 98713 33105 41163 33898 98435 64153 62759 24752 32279
99701 19484 85425 48971 87293 29125 79983 92893 59833 85480
49840 79232 67713 87240 40106 30663 69407 26655 49406 15368
72512 39112 39267 60948 93266 92027 51422 14307 41124 17502
89733 80095 94796 74182 64779 91752 24015 40260 31592 93248
97973 23355 18636 68241 40010 58043 66190 45379 20555 95303
74647 71503 78569 56674 12926 76587 60981 44051 84090 40714
14147 68886 39573 78329 23665 21325 92345 53926 42918 75593
41899 41752 88948 50536 99993 18958 98579
999 300 00000

8140 kHz, 14-05, 0855 UTC. Double message:

975 999 160

56984 70478 52966 62856 48943 16927 65801 61802 39515 97928
83109 73021 73926 97275 87820 13982 74313 94200 85076 21606
86490 58567 46248 43020 7048? 40367 46708 47608 50659 44133
93625 60043 83077 15844 34879 30069 10631 22808 73653 86734
90453 51473 90717 54767 35674 65794 66373 12165 14361 45185
75330 32989 38860 12039 70598 79520 63146 59270 77809 53699
65114 73768 65746 15497 66946 29399 92232 47400 70873 72949
92167 96548 28743 48541 98713 33105 41163 33898 98435 64153
62759 24752 32279 99701 19484 85425 48971 87293 29125 79983
92823 59833 85480 49840 79232 67713 87240 40106 30663 69407
26655 49406 15368 72512 39112 39267 60948 93266 92027 51422
14307 41124 17502 82733 80095 94796 74182 64779 91752 24015
40260 31592 93248 97973 23355 18636 68241 40010 58043 66190
45379 20555 95303 74647 71503 78469 56674 12926 76587 60981
44051 84090 40714 14147 68886 39573 78329 23665 21325 92345
53926 42918 75593 41899 41752 88948 50536 99993 18958 98579
111 23
11111 22222 33333 44444 55555 66666 77777 88888 99999 00000
12121 13131 14144 15151 16161 17171 18181 19191 10101 21212
23232 24242 25252
111 23 00000

10755 kHz, 16-05, 1230 UTC, GRU test.

975 00000

9470 kHz, 16-05, 1528 UTC, GRU test

801 (R) 59779 35850 56627 97124 80159 10476 24936 937 52 00000

17475/14736 kHz, 12-05/13-05, 0830/0930 UTC

842 715 34
70588 51416 60340 61532 38551 44984 39046 19837 06197 25070
54899 06996 35264 05802 80769 73464 83566 78970 64154 74478
91030 37920 15405 54936 22844 87091 24176 75393 18188 79389
15036 33859 16960 48580
715 34 00000

17475/14736 kHz, 20-05, 0830/0930 UTC

842 679 35
59533 72296 39654 03358 27467 56094 65131 92387 26838 54025
10074 43051 57479 31639 09141 38193 56344 62347 47621 70443
92517 96235 74269 50147 25609 42782 98610 35656 75960 30646
83663 40667 80112 48733 70005
679 35 00000

14736 kHz, 27-05, 0930 UTC

842 105 36
96400 95433 17612 45825 09762 50066 11062 20X62 46676 02338
31127 15198 99792 86950 83621 96214 54512 93386 03332 49123
74333 86381 25145 79393 16766 79236 19351 32392 53244 27146
27032 14102 91483 32734 56498 17016
00000



S06a/S06b

Mixtures of S06a and S06b were used in GRU tests this month.

19460 kHz, 19-05, 0858 UTC, GRU test i.p.

33333 33333 00001 00001 00000 00000 00000
00001 00003 10129 00002
11111 00052 00002 00002 10129 33333

19460 kHz, 19-05, 0905 UTC, GRU test.

222 33 222 33

11423 kHz, 26-05, 1252 UTC. GRU test i.p.

104 104 104 81705 81705 (R)
11111 1 104 104 104
104 104 104 81705 81705 (R)
817 104
104 104 81705 81705 (R)
11111 11111 55555 55555 89360 89360 88165 88165 98188 98188 97836 97836 85794 85794 55555 55555 89405 89405 88965
88965 98188 98188 97836 97836 85794 85794 00000 00000
104

11423 kHz, 26-05, 1319 UTC. GRU test.

11111 11111 104



S06c

Freq	Date	UTC	Details
11497	20-5	1030	11029
13370	12-5	1100	11201
13370	12-5	1100	11201 (R4)
14914	20-5	1010	11029
14914	20-5	1020	11029
15612	21-5	1040	11115 (R4)
15612	21-5	1050	11115 (R4)



S11a

4870 kHz, 04-05, 1955 UTC

377/30 Vnimanaye

85841 54702 76749 30721 95285 97444 71028 92517 57480 56221
16807 20626 72917 54740 36732 85161 31340 21852 64447 92536
87879 53239 43596 33204 19283 79984 78707 62462 52046 33117
Vnimanaye, rpt msg, konets

8530 kHz, 06-05, 0915 UTC

486/33 Vnimanaye

25761 85195 22692 51099 61008 85025 58388 24463 69376 77148
74431 58166 71283 20754 76754 54100 26817 91856 74209 03282
38739 75048 47199 64379 12038 36396 26314 99827 93510 16246
11560 64029 04630
Vnimanaye, rpt msg, konets

11581 kHz, 10-05/13-05, 1020 UTC

427/36 Vnimanaye

12137 71546 91984 68250 53005 54488 13244 18199 64882 82418
72023 52499 07503 76844 29425 66535 15344 57670 33285 88402
39643 98336 00813 60334 00423 19687 91557 79921 62948 69884
72240 27588 14986 94358 40853 11236
Vnimanaye, rpt msg, konets

5149 kHz, 17-05/20-05, 0455 UTC

325/30 Vnimanaye

71159 60199 71983 98984 98303 59686 21021 87120 06058 36846
64754 28789 82117 27311 94336 70569 26131 39552 82155 12078
60799 13858 34142 30568 15533 68770 95055 54954 83798 66333
Vnimanaye, rpt msg, konets

16513 kHz, 19-05, 1015 UTC

479/32 Vnimanaye

43069 83466 42055 70298 19522 17477 52192 25249 38078 36201
01787 88736 03012 86114 53136 61894 21577 20401 83504 21356
15807 95937 38817 48447 66007 26620 85186 55091 07250 85754
36729 79288
Vnimanaye, rpt msg, konets



S25

Freq Date UTC Details

6780 21-5 1720 908 12345. Transmission resets several times and finally shuts down sending only the first section.
6780 21-5 1738 908 12345 12345 transmission was cut off mid section 1, GRU test
8140 22-5 0930 805 23456. Long breaks in the transmission



S28 - The Buzzer

Mode: USB
Frequency: 3216 & 4625 kHz

Date	UTC	Details
2-5	0810	ZhUOZ 96661 BLYuSTITYeL' 62414820 BLUDOTIBR 24042178
2-5	1227	ZhUOZ 33988 INCIDYeNTNYJ 11677293
3-5	1616	ZhUOZ 43268 KRYaZhOLYeSS 88751228
3-5	1714	ZhUOZ 48949 ZALIVChIK 14232212
5-5	1631	ZhUOZ 85796 GORNICA 74912203
9-5	1040	ZhUOZ 43877 VAZYeLINOYVYJ 52119366
9-5	1049	ZhUOZ 85169 ZASTRYeVANIYe 38163966
9-5	1247	ZhUOZ 19523 KOKSOHIMIYa 52215209
9-5	1414	ZhUOZ 01589 AZhUROKORZh 43229218
12-5	1049	ZhUOZ 75690 BAULOGRIM 40162394
19-5	1026	ZhUOZ 38072 AMIDOShAG 55780604
19-5	1551	ZhUOZ 19939 KLYeJKOVINA 79181919
19-5	1555	ZhUOZ 19 939 KLEYKOVINA 79 18 19 19
25-5	0822	ZhUOZ 73721 SBYeZhYeNIYe 07674299
25-5	0900	ZhUOZ 89552 VYeRHOVNYJ 13250765
25-5	0903	ZhUOZ 33201 INSPYeKTORShA 68134935
25-5	1035	ZhUOZ 48677 KUYeROVARD 91998252
25-5	1051	ZhUOZ 54727 GYeMOLUG 80972660



S30 - The Pip

Modes: CW (Pip), USB (messages)
Frequencies: 3756 kHz (night), 5448 kHz (day)

Freq	Date	UTC	Details
3756	3-5	1740	ShchGJP TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3
3756	18-5	1821	Dlya N1DU, 43OB, 78MV, DUASY, YKHY, 12 TSI, 79AY, SHCHT, TSIKHS, Z7PM. Kak slyshno?
3756	21-5	1819	ShchGJP TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3
3756	30-5	1827	37CN MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C
5448	25-5	0454	L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ



S32 - Squeaky Wheel

Mode: USB
Frequencies: 3838 kHz (night), 5473//7009 kHz (day)

Freq	Date	UTC	Details
3828	2-5	1802	SLIVA-94 OTPOR-89 ShULER-60 STAZhER-29 ZASLONKA-27 STOROZh-62 BIZON-64 PYeSOChNYJ-21 LANDYSh-74 DUBLYoR-68 PYeNZ-07 KURGAN-40
3828	3-5	1827	OTPOR-89 NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZhIGIT-46 (S30 in the background)
3828	4-5	1808	SLIVA-94 OTPOR-89 ShULER-60 STAZhER-29 ZASLONKA-27 STOROZh-62
3828	10-5	1830	NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZhIGIT-46 (S30 in the background)
3828	21-5	1931	SLIVA-94 OTPOR-89 ShULER-60 STAZhER-29 ZASLONKA-27 STOROZh-62 (S30 in the background)
3828	28-5	1837	BIZON-64 KURGAN-40 DUBLYoR-68 PYeNZ-07 LANDYSh-74 PYeSOChNYJ-21

Freq	Date	UTC	Details
3828	29-5	1830	SLIVA-94 OTPOR-89 ShULER-60 STAZhER-29 ZASLONKA-27 STOROZh-62
3828	30-5	1837	BIZON-64 PYeSOChNYJ-21 KARTA-11 DUBLYoR-68 PYeNZh-07 KURGAN-40



S4525

Frequency: 4524 kHz
Mode: USB

22-5, 1433 UTC, network checks

22-5, 1435 UTC, network checks



S5292

Frequencies: 5252 kHz USB

Date	UTC	Details
4-5	1118	Test count: 1 2 3 4 5 6 7 8 9 0
30-5	0738	FAZAN-37 39867 LYeGYeNDA 43628546 (test count before the message)
30-5	0750	SYeKRYeT-39 01784 GORNICA 21857436 (test count before the message)
30-5	0800	RYeGATA-75 80945 BITVA 46348579
30-5	0812	VOSHOD-30 48485 POJMA 32649743



V06

9073 kHz, 04-05, 1545 UTC GRU test.
975 975 975 00000

10755 kHz, 15-05, 1212 UTC
975 00000

10755 kHz, 16-05, 1310 UTC, GRU test
975 (R) 863 15
46180 28209 80210 23722 84915 72651 12746 17605 94273 81591
52307 54640 62594 84313 50517
863 15 00000



V13 - New Star Broadcasting Station
星星廣播電台 Xīngxīng guǎngbò diàntái

New schedules:

15388 kHz New Star Broadcasting #1 0200 UTC
15388 kHz New Star Broadcasting #1 0300 UTC
15388 kHz New Star Broadcasting #2 0400 UTC
11430 kHz New Star Broadcasting #4 0500 UTC
11430 kHz New Star Broadcasting #4 0600 UTC
15388 kHz New Star Broadcasting #3 0700 UTC
15388 kHz New Star Broadcasting #3 0800 UTC
9725 kHz New Star Broadcasting #4 1200 UTC
9725 kHz New Star Broadcasting #4 1300 UTC



V23
French 06 variant

9073 kHz, 04-05, 1610 UTC, GRU test. French 06 variant

975 975 123 123 12 12
39355 39355 73841 73841 99887 99887 56875 56875 99328 99328
90142 90142 89750 89750 82740 82740 78063 78063 17962 17962
90792 90792 35751 35751
123 123 12 12 00000

10755 kHz, 16-05, 1326 UTC

975 975 975 23456 (R) 863 15
46180 28209 80210 23722 84915 72651 12746 17605 94273 81591
52307 54640 62594 84313 50517
863 15 975 (R) 621 11
18945 13000 34035 18578 38768 79453 88938 66574 70487 49644
39694
621 11 00000



VC01 - Chinese Robot
Chinese Air Defense

Modes: USB and LSB

The station changes its frequencies frequently. Known frequencies:

3036, 2519, 3679, 3749, 3837, 4029, 4075, 4258, 4343, 4410, 4422, 4427, 4480, 4530, 4580, 5006, 5195, 5232, 5288, 5303, 5328, 5330, 5393, 5436, 5592, 5700, 5742, 5802, 5832, 6209, 6479, 6505, 6771, 6840, 6858, 6860, 6916, 6949, 6960, 7090, 7351, 7506, 7608, 7684, 7726, 7739, 7744, 7756, 7770, 7792, 7864, 7865, 7880, 7890, 7924, 7938, 8000, 8025, 8170, 9000, 9169, 9192, 9209, 9290, 9340, 10508 kHz.

4029 kHz, 04-05, 1224 kHz: Chinese Robot

MORSE STATIONS



M01a

5226 kHz, 23-05, 1524 UTC

154 154 154 179 93

154 154 154 179 93

177 91 333

111 999

111 999

111 000



M01b

5095 kHz, 05-05, 1832 UTC

815 748 34 =

31440 03976 66639 54885 62757 07152 45051 51069 38216 60751

81754 81582 83031 87879 34003 55919 07290 29955 68939 53000

48747 28121 09750 50265 13849 32632 46916 14122 65144 84719

42107 03977 85760 66003

= 748 34 000

5065//5805 kHz, 05-05, 1940 UTC

936 748 34 =

31440 03976 66639 54885 62757 07152 45051 51069 38216 60751

81754 81582 83031 87879 34003 55919 07290 29955 68939 53000

48747 28121 09750 50265 13849 32632 46916 14122 65144 84719

42107 03977 85760 66003

= 748 34 000

5075/5465 kHz, 27-05, 1902 UTC

336 647 50 =

06723 69310 20452 43883 02167 75204 88647 17423 17406 91964

59354 42703 57342 32346 40152 99002 90955 17276 67195 00767

86195 78972 31968 41585 73312 22078 28591 64955 96918 78558

56528 05534 22785 73957 28675 65706 21984 91914 25963 92610

84900 55407 08952 68705 53401 51041 65397 74769 28132 82810

647 50 000



M12

12205/13559/14728 kHz, 02-05, 1100/1120/1140 UTC

973 973 973 1 (R) 8289 118 8289 118
08209 02233 97153 34358 35853 66915 28084 92270 32436 00313
02711 33301 23659 28274 43672 60424 13669 82997 04550 57768
44095 80779 26686 92177 54598 43338 01199 60285 08877 41385
46285 63265 62356 57697 23160 96003 00924 09562 53524 64728
53948 76670 86118 66831 70745 77568 05122 91148 13600 58027
30399 49167 12303 23808 37738 82551 27428 24545 01869 64282
48305 41835 33757 17329 24933 05256 68512 09879 43778 61381
75549 79529 85754 44314 37870 85023 60897 10711 06754 99045
14533 39336 51885 64220 73073 19418 98980 68734 58171 74420
37352 33870 02112 47270 12745 84248 47581 73389 01400 30251
87654 13539 14004 90382 09138 68839 45875 84034 84195 76327
73770 48599 07126 71369 00449 53018 10064 54705
000 000

9176/7931/6904 kHz, 02-05, 1800/1920/1840 UTC

257 257 257 1 (R) 3001 142 3001 142
15668 39137 58039 53029 85455 33922 09451 57031 90808 42119
47478 54379 69345 60253 07800 40918 94484 42161 26046 51434
75033 59057 14188 65186 73874 20249 87061 24294 28720 35807
81040 90179 15568 63412 97074 36634 38115 30882 74650 16297
80225 80649 81457 14897 69348 07315 15795 68850 76042 32307
21887 78377 26369 35833 07690 67695 68375 20552 75481 95421
18896 09260 95486 81016 16967 44099 17592 81673 80311 92482
07225 79657 33020 70672 58167 76096 12153 87929 90455 62249
31372 65403 03968 90541 61056 57620 07025 53960 84135 22000
58672 61508 35740 15017 36185 65393 50185 64775 94534 11249
33963 79524 99117 80667 91024 04334 47305 37633 11350 45057
58240 74124 09943 91142 92733 84103 32320 27903 11225 14171
92080 68990 85235 68482 88659 12901 05234 75352 88650 42581
81260 21667 09363 19910 95093 66841 88883 35305 42054 12872
07977 68810
000 000

13926/12126/10926 kHz, 12-05/14-05, 1310/1330/1350 UTC

919 919 919 1 (R) 1281 121 1281 121
71702 97627 68401 66663 33672 54293 62986 76841 10982 03695
34479 97846 86978 98762 00026 53901 52998 50176 00946 98099
55920 37567 37271 56663 00360 36435 18273 04538 21406 73953
95808 08752 86341 15910 33123 86818 45239 91382 43980 39610
05002 60448 27859 39515 00450 75384 28142 67936 37043 83905
70086 23905 61768 35752 53676 95911 98040 66482 35856 14755
66978 82443 47084 03989 42436 01332 42825 51764 31764 13187
09807 70686 36453 55259 16441 43661 10140 91614 98824 45645
91286 64761 74375 94865 88167 62442 62172 67852 30670 16874
57136 29246 25165 27751 52800 25636 50522 36215 37262 65201
96026 99362 67983 54229 42953 70892 80098 83957 29488 64439
21228 29276 25100 35027 41571 49369 10111 77477 93389 12824
56719
000 000

9167/10267/11567 kHz, 14-05, 0500/0520/0540 UTC

125 125 125 1 2154 83 2154 83
93626 57551 07801 12783 45750 87527 20028 74677 15577 13808
37220 75221 81543 29791 98942 02506 18444 43772 23907 20063
65328 82989 73291 09990 34747 82841 67786 83399 81863 32037
89244 67016 19721 59704 01295 13007 11941 35077 68030 85252
06086 62771 02615 90898 80067 79161 56830 59578 17115 48290
05294 99735 46445 59203 13802 15117 43351 90468 02604 79089
37982 61286 79738 41986 27374 80937 51465 49383 09497 57306
20763 13377 06557 97647 77440 82696 78262 55864 03286 06836
58835 24476 65458
000 000

13926/12126/10926 kHz, 19-05, 1310/1330/1350 UTC

919 919 919 1 (R) 7930 135 7930 135
35537 21850 24040 40142 24911 88118 83755 06522 15117 59133
90662 02319 41134 44684 08134 58390 28069 94849 09668 96962
46746 44487 47990 09619 63925 28554 28559 51465 21950 04635
46949 88794 76820 60542 34150 89083 78958 46663 52713 76485
34631 28265 03305 04508 66420 24829 68919 54127 77833 05088
54422 94538 62758 16786 44373 47385 87721 13974 71546 37003
19483 10526 95786 21215 93571 94795 43124 64840 84331 72267
94967 11550 71260 04049 65654 52718 79811 31909 77087 60691
67745 71484 24817 42899 21292 15411 40799 58219 12142 65678
15857 04883 76479 76377 22911 59709 32915 66569 65642 29594
34005 82460 03746 14092 23980 01948 93583 79046 78146 27865
61727 66348 12458 05329 51681 24488 10931 10324 70816 06871
97207 03304 70898 84997 84981 56138 82952 38772 46992 40875
38666 63723 27380 98431 14254
000 000

9167 kHz, 21-05, 0500 UTC

125 1 3166 99
58725 83651 10870 68307 01217 81950 01537 45437 44357 97301
47806 85128 39302 16390 57023 18847 69421 92629 18583 33273
68002 96308 81276 94881 97837 09767 36336 45754 92405 80050
09186 40528 82493 83666 84305 36643 59898 54510 88440 27175
24131 08454 48441 68766 47122 27128 03476 28388 78741 10375
56222 43267 05738 99030 05733 48361 55088 00260 00490 06320
05428 94541 58364 39292 74019 34233 17360 86541 62042 51426
77260 09840 00877 12987 15863 10673 64529 81504 57068 97926
43805 31404 47430 78885 88017 81560 78670 66012 60715 35390
52221 29157 50949 88288 55890 87336 91317 84869 14464
000 000



M14

5560 kHz, 07-05, 0900 UTC

171 230 65 =
12345 43435 67674 83838 98765 26326 65465 12321 88855 04275
90123 27446 72311 45454 87456 12345 54321 65432 16161 23456
34344 65771 90901 89765 62312 13141 15121 09100 76500 09876
67891 33001 66699 09223 12345 01020 13456 77881 33031 56561
13690 12091 56342 76547 73456 23874 19634 80989 56890 34087
23985 34567 11221 35454 37456 00352 12323 55555 07706 46444
76543 45665 77721 03264 78967 =
230 65 00000

11073 kHz, 19-05, 1640 UTC. GRU test, used // instead of =

352 28711 196 11 //
31152 36943 26126 46924 79001 98675 65862 22109 14171 67283
11164
196 352 654 13
72117 56984 71031 99398 45838 24592 41203 29232 93869 24143
29537 13105 37219 //
654 13 00000

16347 kHz, 25-05, 0930 UTC

14878 kHz, 26-05, 0930 UTC

617 592 48 =
27626 60901 22929 72125 71096 84715 35869 78899 93658 13738
96669 46677 31202 35695 95822 96281 57154 95596 05115 64167
16530 87290 73236 99369 32681 35827 78771 84288 55223 07758
97263 10920 63032 98005 58725 15750 02545 48413 67661 55379
22016 54864 24730 97031 96978 19151 64859 76688 =
592 48 00000

M14 has joined the GRU party too. A new schedule appeared at 1900z on 9463, with a repeat on 7353 or 7358 at 1930z. The ID is 801 and the messages it sends are always 50-groups long. Believed to be a training schedule due to the ID. However, this happens daily, even on weekends. I have copied a couple of them.

Apart from this, M14 appeared unscheduled, using CW mode and DCS, and sometimes with double-message format. But I didn't copy any of those unscheduled transmissions.

9463 kHz, 27-05, 1900 UTC / 7353 kHz, 27-05, 1930 UTC

801 624 50 =
78993 79022 88916 20352 78520 54986 93888 38468 72762 31531 38346
44719 00307 33014 76181 44094 38701 85230 01672 09515 35254 13181
57088 13650 34818 23713 64628 82293 15470 27703 56091 36531 68052
81481 98753 15846 80489 52186 40870 99381 12831 36721 25244 67532
73955 89025 44296 71051 35871 35324 =
624 50 00000

9463 kHz, 29-05, 1900 UTC / 7353 kHz, 29-05, 1930 UTC

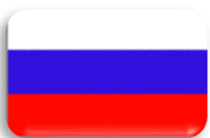
801 246 50 =

94359 24657 67280 93894 08645 86710 03236 64897 33763 32639 83692
66870 70095 86791 17586 55399 25143 09496 95683 05003 49893 22658
37358 36739 45603 87420 97611 47079 76926 13554 32793 30239 52328
05276 48443 11162 57724 73184 77703 31321 54271 66993 63737 54554
76266 08748 44586 85096 90074 31226 =
246 50 00000



M21 + variants
Russian Air Defence Forces
Во́йска ПВО Voyska PVO

3692 kHz, 11-05, 1428 UTC	=991729??0?????
3246.5 kHz, 16-05, 0315 UTC	=990617??0 ????? =990618??0????? =990619??0????? =990620??0?????
5221.5 kHz, 16-05, 1748 UTC	=992050??0????? =992051??0????? =992052??0????? =992053??0?????
7249 kHz, 16-05, 0631 UTC	=990933??0????? =990934??0????? =990935??0????? =990936??0?????
5214.5 kHz, 17-05, 1728 UTC	9602868019232 9603868514532 9604997926632 9605997072132 9611869
6803 kHz, 20-05, 0635 UTC	951099737243 9513995564934 9512995567133 9524997321434 9523997965534
	9513995564134 9512995560335 9527997924735
7249 kHz, 21-05, 0430 UTC	=990733??0????? =990734??0????? =990735??0????? =990736??0?????



M41
Russian Air Defence Forces
Во́йска ПВО Voyska PVO

5037 kHz, 06-05, 1800 UTC GPY1 GPY1 GPY1 AR

7604 kHz, 14-05, 0901 UTC, PWZW i.p.

... 52 91411201=
67238363859002 =
006722 83650864101203 =
006722 8365086411232=
6823821.. 8602 =
PWZW =
6724836549141000034 ... 0805
6724 83652914100704.. = ... 0805 ... =
672285651094109606 45208355292419006 =
6722836508408 =
6722836508310 =
006722 8365282421354 =
6722 836521654 =
6722 83652159055 =

5415.5 5 kHz, 14-05, 1531 UTC

5K7N 5K7N 199961998928816571231830 RPT
199961998928816571231830 5K7N 5K7N AR

9244 kHz, 22-05, 0600 UTC PWZ8 PWZ8 PWZ8 AR



M51a (FAV22)
8^{ème} Régiment de
Transmission

6825 kHz, 19-05, 1056 UTC, endless transmission i.p. Mixed letters, figures and punctuations

MAPKI HDJRT SGDFX MQPAU 56483 GVBXS WBSJZ IKAGH WBHDL AOKSH
QMAPH WBXHR SHZYT 67382 VWBXH SJZUA QJAHG SHQJA WNXJD QKAIL
QMAPO BHJRT XVSJQ WJGDH EUZJD CNFJT SJZKA YHDSJ JQKEU DIKOZ
KLZSG 36276 10984 JGDHS WJURY PEUSH ZUJGD SHWBC XVSHE ZUJAI
QKDGf HCBVJ SKRYF CBXVD 46359 UJHDI KSLOP JHFGC GFCBX NJETD
SHZUJ AJKSI QKBCV FGRYD SXKJN OHFGV 45287 HBCGF XNWJR DUJYG
CVXKJ HSGZY WBZAJ KAIOF PAMJK UJBGT CVXJS ZUJKQ 27108 HAJKR
GBXJS AJSUK QKOAL PMAYH JQKZU GVBXS WNQHA IKDLS MWPZY DGSJA
NWJDU DGRUJ WKLSJ NJWKE UJSHZ OKHJD BXHRT 36271 IUJFG CBSJZ
WHNSL KOLWM AUJDG XBCFV WHNSK OLMQH AYHDG XVCFD BWJZU XIDKC
XKJDU HNDIC VPMRY 65378 KLSGQ WNBDS XVCUR CIKDL PMSVR XVCHE
YHFKS ZUYHS 56372 BWVDY IKDHY XBCJS GBWJZ UJWKL JKDBV YHCIR
YHXVF GBFYR DFSCZ UJFVC FVCHD FKSLA WCXSV HNFLA PHFCT WVBXZ
QJHAU 67354 BXHDY WBXHZ GFCUJ SHRTF CJGUH 10964 GBCHS WBXUY
TGDJZ 652/3 BXHSJ WKAPL PMDHV BXGRT DFXCS JNCGV YHXJZ JWKAO
KLWUY HNCRD XVCZH YHWJZ PLGCV TGXLA PMWJD WFGRT CJSIZ WNXGD
YHDGV 64829 IKFHC BXHDL VHDUJ VCXGR YHSPA PKLDU LWJDY GHFUC
VXYRT DGSJZ LKFHT KHDYT XVDJK JKQNH VXBDS EYSUA WBDHR QKALY
VCGRY WNDHR QKNWJ AJAOK UJAOK QMAUJ YHDGT WVBQA ZUSHL AIKDH
35289 BXNDH QMAJK NBCGD XHETS QJSGZ UJGHC ETSCX WBCGZ AUJSK
QKLWA 53829 NXBDJ SWBQK LAPMH NCJDU YHDIK 16738 NXDHZ UJQHW
1764/ NCJDU HQKAZ BXGDJ QKALI HNQGB IKJNH XS HZ QBWNA YTDGS
WBQJU AKHDK LQMAP NBXHD YHSJZ I3803 YHDGX //ZSP JNCGD XHNSJ
AUJQL ZUYRT 37264 HBXND KAYSL QMAPO CDHZL WNQFG DFXVU ZJSKA
SKWNV CHDUT YHSLK 37208 BXNVJ SKALG TGDJH WBQIL AMPKH BCNDH
SJAUG BXVQH ZUJAL HNDJT YHSA BWNSJ YHDKZ 28563 BXNDH SKAWY
HSQKA UJDMF GBCJD XASUH NWHF GBXVD QJTUD WNQMA QPLHA FGCVR
QKJHF VXDTS CIQGA JKWIR TGQLP YHDJZ BWNSJ AUJQK 28H5 01TH53
GBCHS WBSJA WNQJK AIKSL QMAPH YUHDJ SJBSF VXHSF QHAUJ WTKKA
IKDGV 63754 BGNJX SWERI JIQKH BTIJD WVSJZ 3764/ WNHSF QJHAU
RTDGC XMLQI KDHSB XNDGR SHGIM KJFHC XNWKS ZIAK WKQLA YHDOL
67849 NXKDJ SHWBS IJGZ WNBCH UJDKL WNBCH DFZRS WBWNU ZHSGQ
AJHJU 78356 WBXVD QJHND UJDHB WCXVS QSTMQ WNHZI JQKAL HNBJ
DUJXB VWGDT ZRFSX WNTUJ THFGC UXHST WXCFS ZYHQK WNBHX ZUJAL
KNJUH BXHDF 65EM2 BXNSH JQHBX WNBCH FGDHZ WJQKZ HBXKS IAJHF
BXNDK SLKWH DYXHR SKZLF CNDJE QATLD BVCNE ZMALO OWLPS SHDYE
BNNXM AKQIU KFJEI 23658 VCSBS .?,<SK> IWOEJ VXFSA AHQUS VDGWT
SHGYW NCGET SAGQY VXTEU 11976 LMPHO /<BT>.<SK>JI BCGCS SAIQO
ZNXBS DJWUG SLOWP SNDNW SKAYU PWOIE 89650 BXCSD ,*./ CXRSY
KOSPO BAERE BVNDJ LKOEI DGFWT CXZVA NCBYW 32980 NVHEI .',/?
AQPSL MXZNA LAPQI BCVSJ SKAOQ XMLJA SHQUX VCBCH 45873 LPFOE
'/?<AR>. DKWJH BCNSJ CXGAE CBNSW <AR>./' CAZQS etc etc etc



M76

M76 reports. Thanks to André F5JBR. Note that M76 has moved to a new frequency: 3294 kHz. This freqs is hard to hear in the morning and almost impossible for the afternoon transmission.

3294 kHz, 15-05, 1750 UTC

B7B7 de HLYM QTC 441 31 =

16310 15144 93093 40945 02563 3235 118318 8583 9 1133 925839

5 XXXX RRRRR 20XXX WWWWW 74150 47531 29733 12142 3XXXX NNNNN =

439 24 = 40545 etc =

438 28 = 40545 etc =

435 42 = 40545 etc =

434 51 = 40545 etc =

433 54 = 40545 etc =

432 17 = 40545 etc =

431 32 = 40545 etc =

430 25 = 40545 etc =

425 18 = 40545 etc =

424 19 = 40545 etc =

000 24 =

13094 11991 99946 93419 99489 36199 95193 81999 59931 19996

89301 99968 93619 99351 99959 19996 01999 66199 97719 99811

99942 93419 99419 36XXX AR

3294 16-05, 0400 UTC

ÔTÂÂ de ESBF QTC 442 35 =

26310 05144 92080 11964 13194 09640 25630 26491 78599 25660

12092 66319 91318 56490 45640 36217 25055 10171 51652 13636

21XXXX RRRRR 207XX WWWWW 74252 27445 22738 519XX DDDDD

22477 05975 06915 50401 5XXXX NNNNN =

439 23 = 40545 ... 1437X =

438 28 = 40545 ... 437XX =

435 42 = 40545 ... 437XX =

434 52 = 40545 ... (rest unreadable)

3294 kHz, 17-05, 0400 UTC

8V6Q de WI8S QTC 444 36 =

26310 05154 92080 30264 41830 61646 18332 04096 41183 17859

90110 61601 01120 92873 85650 15836 21716 50088 87144 33893

63629 ... =

439 23 = 40545 ... 437XX =

438 28 = 40545 ... 437XX =

435 42 = 40545 ... 437XX =

434 52 = 40545 ... 3XXXX =

433 54 = 40545 ... 4XXXX =

432 27 = 40545 ... 437XX =

431 32 = 40545XX =

430 25 = 40545 ... =

425 18 = 40545 ... 15437 =

424 19 = 40545XX =

000 24 =

13094 11991 99946 93419 99489 36199 95193 81999 59931 19996

89301 99968 93619 99351 99959 19996 01999 66199 97719 99811

99942 93419 99419 36XXX AR

3294 kHz, 20-05, 0400 UTC

329Û DE ÛYW7 QTC 458
40964 11230 61614 18317 85993 64651 RRRRR 202XX WWWWW 152...
DDDDD 175XX NNNNN =
438 28 = 40545 ... 437XX =
000 24 =
13094 11991 99946 93419 99489 36199 95193 81999 59931 19996
89301 99968 93619 99351 99959 19996 01999 66199 97719 99811
99942 93419 99419 36XXX AR

3294 kHz, 23-05, 0400 UTC

HCUE de Â45R QTC 467 29 =
26310 05214 92080 40964 11831 78599 01120 91993 85950 36217
16511 72648 36362 3089X RRRRR 202XX WWWWW 74851 97185 26716
51977 05075 11915 50401 6015X DDDDD 04115 2XXXX NNNNN =
463 37 =
40545 79489 32505 95133 09309 46315 36071 ...

3294 kHz, 28-05, 0400 UTC

66B8 DE I5TP QTC 478 35 =
26310 05264 92080 41564 11831 78599 01120 93261 52385 64936
32716 51172 63836 36230 89XXX RRRRR 207XX WWWWW 71752
97165 37751 54077 05075 12915 56391 6015X DDDDD 091XX NNNNN =

3294 kHz, 30-05, 0400 UTC

75HV DE 57YL QTC 482 29 =
26310 05284 92080 41564 11831 78599 01120 93262 56422 38564
93621 71653 18262 13636 24089 RRRRR 202XX WWWWW 74250
87475 15744 53777 05075 07915 50391 6015X DDDDD 0754X NNNNN =
477 38 =
50545 79589 33505 95733 09309 46092 53301 05321 42661 90194
11999 39934 15515 39951 99939 933235 59119 41299 94035 51639
85199 93693 83559 01941 19993 79343 55153 99519 99399 32355
18750 49603 30139 93192 038221 13736 35465 7437X =
463 38 =
50545 79480 31505 95133 09309 45092 23458 29105 32052 65990
09841 99932 35515 49641 99937 90198 41999 32355 15498 43558
99989 35515 49483 55899 98935 51549 32199 93135 51875 05956
33013 99632 02354 65713 92829 31350 438XX =
000 24 =
13094 11991 99946 93419 99489 36199 95193 81999 59931 19996
89301 99968 93619 99351 99959 19996 01999 66199 97719 99811
99942 93419 99419 36XXX AR



M89 - Chinese military

5645 kHz, 10-05, 1512 UTC, i.p.

= = YR MSG TRY GA = = =
YR MSG TRY GA
= = D = = YR MSG TRY GA
YR MSG TRY GA
= = = YR MSG TRY GA

3682 kHz, 14-05, 1415 UTC, i.p.

QSL 2213 KK
MSG NR 1480 CK 61 51 0514 2150 RMKS 7620080 TO 7620085 K K = =
..ND TU3A 6TN7 34UA N6U7 64AU AN4U 4NUT 537U 5A74 5AT3 (Cont'd)
AR K K
R GA
GA GA
R QSL 2223 QSL 2223 K K
KP KP

4241 kHz. 19-05, 1141 UTC

VVV VAD3 K
DE VBA. K /DE VBA3 K
R QSA 2 K
HR KP . QSA 2 K
QSA 2 K
OK NIL SK OK NIL SK
VVV P9RK K
R R DE ZX.B R K
R R QSA 3 K
R QSA 2 R K
OK NIL SK
R R OK NIL SK PSE
VVV C2IL K
DE 6TR. QSA 1 K
R R QSA 3 K
R QSA 2 K
OK NIL SK
R OK NIL SK
PSE VVV 8ESQ K
R R DE 7YFP K
R QSA 2 K R QSA 2 K R OK NIL SK
OK NIL SK

5588 kHz, 22-05, 1325 UTC (Lately this frequency being used by 2SLC)

73U F F F F F
NR 51001/EX 0E
D D
FFF NR 1001/EX 0800 = =
AKE.G/K5N AR QSL ?
FFF NR 1002EX 0810 = =
BKS1/M9N QSL ?
= BKS K = = = =
BSK1/M9N AR QSL ?
BH46 NB546/T7Y 9 AR
BH B5U6/T7Y =
D3F4/E4R3 BHU6 (1329z)

.../R4H6 AR F = = =
 FUG5/Y6U7 D3V6 I/////////
 FFF NR NR NR NR AR
 FF//// B546..M7Y9 AR
 D3F5/E4R3 B5V6/R4E
 B5V6/T7Y9
 FF NR 1002/EX 0810 = =
 BKS1/MN
 FFF NR NR NR 1002/EX 0810 = =
 BKS1/M9N



M90

André sent us a M90 report. The last one that we received was from a couple of months ago. Apparently they are still alive and kicking.

Station profile:

Net 1 Simplex net
 Frequency 4852 kHz
 Net Control Station MXV5
 Outstations CQXJ, XVSQ, DNSF, K6ZJ, ICFV, PJP6, E5BJ
 Collective Callsign HR3H

Net 2 Simplex net
 Frequency 3388 kHz
 Net Control Station K8FP
 Outstations MHL4, U8D8, G6CS, AR4L
 Collective Call Sign JBF5

Traffic Comms checks : only calling and R K
 Messages: Announcement messages: "ZBO K"
 Preamble: " - R - 1000B (Time UTC+2) - ZEU GR10 or GR20"
 Text: only 5 letters (no cyrillic letters)
 Messages Alert: " XXX " : MAKETA 613 - RELAX 692 08H15z : HR3H de MXV5 ? 338 ? 338 K
 All Outstations send R K and the Net station (MXV5) sends AR

4852 kHz, 10-05, 0633 UTC

MXV5 IMI GR 1 K
 CQXJ IMI GR1 = BFGSA K
 MXV5 R K
 CQXJ AR

4852 kHz, 10-05, 0636 UTC

HR3H DE MXV5 ZBO K
 CQXJ QRV K
 XVSQ QRV K
 DNSF QRV K
 K6ZJ QRV K
 ICFV QRV
 PJP6 QRV K
 E5BJ QRV
 MXV5 - R - 08 40 B - ZEU - GR 20 = 14589 85201 30256 95201 30256 52014 ... / ... 85962 65105 52014 10254 30256 98541 K
 CQXJ R K
 XVSQ R K

DNSF R K
K6ZJ R K
ICFV R K
PJP6 R K
E5BJ R K

4852 kHz, 10-05, 0645 UTC

MXV5 de XVSQ ZBO K
MXV5 QRV K
XVSQ - R 0846B - ZEU - GR 20 = 19287 35612 ... / ...
MXV5 R K

4852 kHz, 10-05, 0651 UTC

MXV5 de DNSF ZBO K
MXV5 QRV K
DNSF - R - 0850 B - ZEU - GR 20 = VTPKO RNQKS ESFIX CVXYF TGESR ... / ...
MXV5

4852 kHz, 10-05, 0657 UTC

MXV5 de PJP6 ZBO K
MXV5 QRV K
PJP6 - R - 0852B - ZEU - GR 20 =42535 54473 44320 54328 11947 ... / ...
MXV5 R K
PJP6 AR
CQXJ de MXV5 ZBO K
CQXJ QRV K
MXV5 G- R - 0906B - ZEU - GR 20 =... / ...

4852 kHz, 10-05, 0730 UTC

CQXJ R K
XVSQ R K
DNSF R K
K6ZJ R K
ICFV R K
PJP6 R K
E5BJ R K
MXV5 AR

4852 kHz, 10-05, 0733 UTC

HR3H De MXV5 XXX MAKETA 613 K
CQXJ MAKETA 613 K
XVSQ MAKETA 613 K
DNSF MAKETA 613 K
K6ZJ MAKETA 613 K
ICFV MAKETA 613 K
PJP6 MAKETA 613 K
E5BJ MAKETA 613 K
MXV5 C AR

4852 kHz, 10-05, 0738 UTC

HR3H De MXV5 ZBO K
CQXJ QRV K
XVSQ QRV K
DNSF QRV K
K6ZJ QRV K
ICFV QRV K
PJP6 QRV K
E5BJ QRV K
MXV5 - R - 0940B - ZEU - GR20 = FGHUZ EDCVF QWERT QWASX ...
CQXJ R K

XVSQ R K
DNSF R K
K6ZJ R K
ICFV R K
PJP6 R K
E5BJ R K
MXV5 AR

4852 kHz, 10-05, 0749 UTC

HR3H De MXV5 ZBO K
CQXJ QRV K
XVSQ QRV K
DNSF QRV K
K6ZJ QRV K
ICFV QRV K
PJP6 QRV K
E5BJ QRV K
MXV5 - R - 0950B - ZEU - GR20 = 32014 42012 30256 95630 ... / ...
CQXJ R K
XVSQ R K
DNSF R K
K6ZJ R K
ICFV R K
PJP6 R K
E5BJ R K
MXV5 AR

4852 kHz, 10-05, 0800 UTC

HR3H De MXV5 XXX RELAX 692 K
CQXJ RELAX 692 K
XVSQ RELAX 692 K
DNSF RELAX 692 K
K6ZJ RELAX 692 K
ICFV RELAX 692 K
PJP6 RELAX 692 K
E5BJ RELAX 692 K
MXV5 C AR

4852 kHz, 10-05, 0805 UTC

MXV5 de ZBO K
MXV5 QRV K
XVSQ - R - 1006B - ZEU - GR20 = 24610 16756 71403 83167 ... / ...
MXV5 RK
XVSQ AR

4852 kHz, 10-05, 0810 UTC

HR3H de MXV5 IMI 338 IMI 338 K
CQXJ R K
XVSQ R K
DNSF R K
K6ZJ R K
ICFV R K
PJP6 R K
E5BJ R K
MXV5 R AR

End of CW traffic at 0815 UTC into Voice traffic

3388 kHz, 12-05, 0438 UTC

U8B8 DE MHL4 C AR
0440UTC
K8FP de G6CS ZBO K
K8FP de G6CS ZBO K
C8FP de G6CS K
G6CS de K8FP K

3388 kHz, 12-05, 0445 UTC

K8FP de G6CS ZBO K
G6CS de K8FP QRV K
0445UTC
K8FP de G6CS R - 0630B - SVC ZEU - G6CS - K8FP - 12 = TANGO BRAVO SUPER TRIKO DABEL JASON POLKA TONDA TIREK SLAVEK
PETRA LUDVA K
G6CS de K8FP ? K

3388 kHz, 12-05, 0453 UTC

K8FP de G6CS R - 0630B - SVC ZEU - G6CS - K8FP - 12 = TANGO BRAVO SUPER TRIKO DABEL JASON POLKA TONDA TIREK SLAVEK
PETRA LUDVA K
G6CS de K8FP R K
de G6CS AR

3388 kHz, 12-05, 0507 UTC

MHL4 de G6CS K
G6CS de MHL4 K
MHL4 de G6CS INT ZUA K
G6CS de MHL4 ZUA 0710B AD EEEE T ZUA 0711B K
de G6CS R AR

3388 kHz, 12-05, 0512 UTC

JB5F de MHL4 AS 15 K

3388 kHz, 12-05, 0538 UTC

JB5F de K8FP XXX 222 K
MHL4 222 K
U8D8 222 K
G6CS 222 K
AR4L 222 K
JB5F de K8FP C AR

3388 kHz, 12-05, 0544 UTC

JB5F de K8FP XXX 444 K
MHL4 444 K
U8D8 444 K
G6CS 444 K
AR4L 444 K

3388 kHz, 12-05, 0546 UTC

JB5F de K8FP C AR

4852 kHz, 10-05, 0631 UTC

MXV5 wkg CQXJ, XVSQ, DNSF, K6ZJ, ICFV, PJP6, E5BJ. Collective Callsign : HR3H



M95

8073 kHz, 02-05, 1134 UTC

V BNGC (x3) DE XSV85 (x2)
NR 0347 CK 133 35 0502 1555 =
TTU 3U6 3AN 3U7 TAU 773 TA7 773 353 (Cont'd)

4243//9054, kHz, 02-05, 1149 UTC

VVV HR MSG TOYR PSE CY
NR 03 .8 35 0502 1517 =
5TD UTT TT. 3U6 7TA N.4 (Cont'd) AR
A HR 7G GA
NR 04 225 35 0502 1612 =
UTU TTU 3U6 3A4 7TU 7TA N.6 7UD 777 73U 7UT TTU 773 354 (Cont'd)

4780 kHz, 05-05, 1407 UTC, i.p.

HR ISNEW HDT I MWK/..SNW PSE ... PSE A.WK .. EEEEE
WK? TO ? WK N.. TO.. 35 CK PSE AST. 200. . ? HW ..2113. .
OK PSE GB
OK PSE GB
PSE U LL TO HR WK HW
OK HR LL OU PSE U..KS HR HR OK HW ?
PSE U LL PSE U LMW
PSE .RMCH HR ... PSE U DE
PSE U ... R OK HW ?
PSE U L.. QS HR WK H. ?
LX.A CT5 KEVR. L FUZ PSE OJY WD WBD. NJAB B.. D O4NW ..
XAVU BT XAVM UCGTM
05 05 05 05 BT (Long zero)
S BT H.U BT BT BT .OU.W.M... =
GXYTBC.N KA. K.. F (Cont'd)

4243//9054 kHz, 05-05, 1146 UTC

VVV HR MSG TOYR PSE CY
NR HR MSG TOYR PSE CY
NR 045 25 35 0505 1513 =
5TD UTT TT5 3U6 7TA N44 3A4 354 373 N3D
3.3 3.T 4TN N3D 4A5 U7U N4A 446 3T4 TTU
TT3 773 447 3D4 4DD AR
A HR 7G A HR MSG GA
NR 10A 3NS 35 0505 1
NR 101 37 35 0505 1618 =
UTU TT5 3U6 3A4 TTU 773 354 373 N4A (Cont'd) AR
A HR MSG GA
NR 027 24 35 0505 1616 =
UT. TT5 3U6 3A4 TTA TTU TT3 773 (Cont'd) AR
A HR U PSE AK

9054 kHz, 05-05, 2347 UTC

V (fading badly)
AR
MSG AGN
NR 0128 CK 25 35 0506 0..2 = (Fading badly) AR
NR 046 CK 25 35 0506 062. BT
5TD U.T TT. (Cont'd)
AR

7G AGN
NR 046 CK 25 35 0506 062. =
5T. UTT (Cont'd) AR
A HR R 7G GA
NR ..1 CK .. 35 0506 0720 =
UTU TT7 (Cont'd)

8073 kHz, 06-05, 1133 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0355 CK 149 35 0506 1542 = = =
TT6 3U6 3AN 3U7 TAU 773 356 35N 4AA NN3 (Cont'd)

4243//9054 kHz, 06-05, 1145 UTC

VVV HR 7G TOYR PSE CY
NR 0476 CK 23 35 0506 1520 =
UTT TT6 3U6 7T7 (Cont'd) AR
A HR 7G GA
NR 12 CK 117 35 0506 1623 =
UTU TT6 3U6 3A4 TTU 773 (Cont'd)
AR
A HR 7G GA
NR 030 CK 21 35 0506 1651 =
UT5 TT6 3U6 3A4 TTA (Cont'd) AR
A HR U PSE .W. AR AR AR

4243//9054 kHz, 08-05, 1146 UTC

VVV HR MSG TOYR PSE CY
NR 0.2 CK 11 35 0508 15.3
5TD UTT TTD 3U. (Cont'd) AR
AGN
NR 0.1 CK
NR 051 CK 1. 35 0508 1503
5TD UTT TTD 3U. (Cont'd) AR
A HR MSG GA
NR 1. CK 133 35 0508 1604 (Cont'd)

8073 kHz, 08-05, 1135 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0359 CK 204 35
NR 0359 CK 204 35 0508 1.56 =
TT. ..3AN 3U7 TTU 773 (Cont'd)

8073 kHz, 08-05, 1138 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0361 CK 283 35 0509 1608 =
3U6 3AN 3U7 TAU 773 357 367 4AD NN3 (Cont'd)

4243//9054 kHz, 09-05, 1145 UTC

HR MSG TOYR PSE CY
NR 53 CK 23 35 0509 1521 =
5TN UTT TTN (Cont'd) AR
A HR MSG GA
NR 039 CK 31 35 0509 1540 = (Cont'd) AR
A HR MSG GA
NR 18 CK 098 35 0509 1618 =
UTU TTN 3U6 3A4 TTU (Cont'd) AR
A HR UP Sb WK AR AR

9054 kHz, 09-05, 2346 UTC

VVV HR MSG TOYR PSE CY
NR 040 CK 18 35 0510 06
NR 040 CK 18 35 0510 0622 = (Cont'd) AR
MSG AGN
NR 040 CK 18 35 0510 0622 =
UT5 TA3 U.. (Cont'd) AR
A HR 7G GA
NR 054 CK 21 35 0510 06..
..T3U 43A 44U (Cont'd) AR
MSG AGN
NR 054 CK 21 35 0510 0616
..TT... (Cont'd) AR
HR 7G GA
NR 10 CK .1 35 0510 06.1 (Cont'd) AR
AGN
NR .0 CK 0.. 35 0510 0619

4243 kHz, 10-05, 1145 UTC

VVV
HR 7G TOYR PSE CY
NR 05. CK 19 35 0510 1520 =
5TD UTT TAT (Cont'd) AR
A HR 7G TOYR EEEEEEE
A HR 7G GA
NR 20 CK 162 35 0510 1600 =
UTU TAT 3U6 3A4 TTU 773 35A (Cont'd) AR
A HR 7G GA
NR 042 CK 16 35 0510 0657 =
UT5 TAT 3U6 3A4 TTA TTU TT3 773 35. (Cont'd) AR
A HR UP SB WK AR AR AR

8073 kHz, 10-05, 1136 UTC

V BNGC (x3) DE XSV85 (x2)
HR 7G GA PSE CY
NR 0363 CK 220 35 0510 1553 =
TAT 3U6 3AN 3U7 TAU 773 357 367 4AA NN3 (Cont'd)

8073 kHz, 12-05, 1136 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0367 CK 170 35 0512 1608 =
TAU 3U6 3AN 3U7 TAU 773 353 35N 4T3 (Cont'd)

4243//9054 kHz, 12-05, 1145 UTC

V HR MSG TOYR PSE CY
NR 059 CK 33 35 0512 153.
5T. ... TT TAU 3U6 7TA N44 3A4 (Cont'd) AR
NR 048 CK 25 35 0512 1.35
UT5 TA. 3U6 3A4 TTA TTU TT. 773 (Cont'd) AR
NR 24 CK 174 35 0512 1718
UTU TTU 3U5 ..4 TTU 773 (Cont'd) AR

4243//9054 kHz, 14-05, 1152 UTC

VVV HR 7G TOYR PSE CY
NR 005 30. 34 35 0514 1518 =
5TD UTT TA4 3U6 7TA N44 (Cont'd) AR
A HR MSG GA
A HR 7G GA

NR 28 CK 135 35 0514 1618 =
3U6 3A4 TTU 773 354 373 4TN (Cont'd) AR
A HR MSG GA
NR 054 CK 24 35 0514 1656 =
UT5 TA4 3U6 3A4 TTA TTU TT3 773 354 (Cont'd) AR
A HR UP SB WK AR AR

8073 kHz, 14-05, 1148 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0371 CK 306 35 05A4 1603 =
TA4 3U6 3AN 3U7 TAU 773 TA7 773 353 4T3 NN3 (Cont'd) AR
A HR MSG GA
NR 0372 CK 42 35 0514 1610 =
TT5 N5U TA4 N53 TAD N54 7TT TTA 746 (Cont'd) AR AR AR

8073 kHz, 17-05, 1134 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0383 CK 99 35 0517 1533 = =
TA7 3U6 3AN 3U7 TAU 773 TA. 773 (Cont'd) AR
MSG AGN
NR 0383 CK 99 35 0517 1533 = =
TA7 3U6 3AN 3U7 TAU 773 TA7 773 353 4T3 NN3 (Cont'd) AR
A HR MSG GA
NR 0384 CK 25 35 0517 1536 = =
TT5 N5U TA7 N53 TAD N54 7TT TT7 746 7T5 (Cont'd) AR
MSG AGN
NR 0384 CK 25 35 0517 1536 = =
TT5 N5U TA7 N53 TAD N54 7TT TT7 (Cont'd) AR AR

7554//9152 kHz, 18-05, 0911 UTC

V BNEC (x3) DE XSV70 (x2)
HR MSG TOYR PSE CY
NR 41. CK .. 35 0518 .5.7
.. 3U5 3A4 ..TT7 (Cont'd)
.. MSG AGN
NR 416 CK 9. 35 0518 15.7
..UT3 TAD 3U. 3A4 TT4 TT. (Cont'd) AR GA
NR 417 CK 192 35 0518 1607
5.. UT3 TAD 3U6 (Cont'd) AGN
NR 417 CK 192 35 0518 1607
5T5 UT3 TAD 3.6 TT. 773 3.D 35. (Cont'd)
A HR MSG GA
NR 415 CK 111 35 0518 0654
..3 TAD 3U4 3A5 (Cont'd)
MSG AGN
NR 41. CK 111 35 0518 0654
... 3U4 3A5 TT4 773 353 (Cont'd)
... SK (0947z - Silent)

4243/9054 kHz, 19-05, 1138 UTC

VVV HR 7G TOYR PSE CY
NR 073 19 35 0519 1521 =
5TD UTT TAN 3U6 3A4 35U N3D (Cont'd)
AR
7G AGN
NR 073 19 35 0519 1521 =
5TD UTT TAN 3U6 3A4 35U N3D D53 (Cont'd)
AR

A HR 7G GA
NR 38 99 35 0519 1605 =
UTU TAN 3U6 3A4 TTU N4. TT3 .773 35. 3D3 534 4TN 445 (Cont'd)
AR
A HR U .. WK SB WK

8073 kHz, 19-05, 1128 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0388 CK 249 35 0519 1607 =
TAN 3U6 3AN 3U7 TAU 773 TA7 773 357 373 (Cont'd)

8073 kHz, 22-05, 1138 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0394 CK 44 35 0522 1603 = =
TT5 N5U TUU N53 TAD N54 7TT TTA 746 (Cont'd)
AR AR
MSG AGN
NR 0394 CK 44 35 0522 1603 = =
TT5 N5U TUU N53 TAD N54 7TT TTA 746 (Cont'd)
AR
A HR MSG GA
NR 0395 CK 212 35 0522 1607 = =
TUU 3U6 3AN 3U7 TAU 773 TA7 773 354 (Cont'd)

4243//9054 kHz, 23-05, 1149 UTC

VVV TOYR RPST CY
NR 089 CK 19 35 0523 1518 =
TDU TTT A33 U67 TAN 443 (Cont'd)
AR
A HR MSG GA
NR 081 CK 23 35 0523 1618 =
UT5 TU3 3U6 (Cont'd)
AR
A HR MSG GA
NR 46 CK 150 35 0523 1637 =
UTU TU3 3U6 3A4 TTU N44 TT3 773 353 N3D 353 (Cont'd)
AR AR AR AR AR

8073 kHz, 23-05, 0005 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR NR 0396 CK 109 35 0523 0708 = =
TU3 3.4 3A4 TAU 773 TA7 773 357 373 (Cont'd)
AR AR
A HR MSG GA
NR 0397 CK 44 35 0523 0716 = = =
TT5 N5U TU3 N53 TT7 N54 7TT TTU 746 4AA (Cont'd)
AR AR

8073 kHz, 23-05, 1141 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA
NR 0398 CK 20. 35 0523 1547 = (cont'd)

4241 kHz, 26-05, 115 UTC, i.p.

VVV 8GFE DE KEL6 K
VVV BBV7 DE KEL6 K
NR FBH2 K

R HR KP U QSA 3 K
NR QSA 3 K
OK NIL SK
NR OK NIL SK PSE
VVV DE3M DE KE
VVV DE3M DE KEL6 K
RR H..6G 3 K
R HR KP U QSA 3 NIL SK
N OK BD.. PSE
VVV OYHX DE KEL6 K
.. K
R R HR KP U QSA 2 K
R R O.. K
NIL SK
R R OK NIL K
VVV D8RG DE KEL6 K
R DE UYR9 K
R R HR KP U QSA 3 K
R R QSA 2 K
R NIL SK
R ... SK
VVV 4AD3 DE KEL6 K
DE VBA3 K
R R HR KP U QSA 3 K
CQSA 2 K
NIL SK
OK NIL SK
VVV P9RT DE KEL6 K
R DE ZX6B K
RR HR KP U QSA 3 K
R QSA 2 K
R R NIL SK
OK NIL SK PSE
VVV C2IL DE KEL6 K
R DE E9KJ K
R HR KP U QSA 3 K
R QSA 3 K
R OK NIL SK
C OK NIL SK
VVV 8ESQ DE KEL6 K
N DE 73FP K
DE 73FP K
R HR KP U QSA 3 K
R QSA 2 K
OK NIL SK
OK NIL SK PSE
VVV 8GFE DE KEL6 K
VVV 8GFE DE KEL6 K
R DE JBV9 QSA 3 K
R HR KP U QSA 3 K
R QSA 3 K
OK NIL SK
C NIL SK PSE
05 05 05
05 05 05
VVV = =
S34T4. 37NNAU III

4243//9054 kHz, 26-05, 1205 UTC, i.p.

36T 33A N3U 373 4T7 445 3UN 354 AR
A HR U PSE SB U HR W PSE B WK AR AR AR

8073 kHz, 26-05, 1139 UTC

V BNGC (x3) DE XSV85 (x2)
HR 7GS GA PSE CY
NR .10 CK 7 EEEE
NR 0410 CK 76 35 0526 1628 = =
N5U TU6 N53 TAD N54 7TT TTA 746 (Cont'd) AR
NR 0411 CK 281 35 0526 1728 = =
TU6 3U6 3AN 3U7 TTA 773 353 (Cont'd)

4243 kHz, 26-05, 1147 UTC

VVV HR 7G TOYR PSE CY
NR 089 CK 19 35 0527 1515 =
5TD ATT TU7 (Cont'd) AR
7G AGN
NR 089 CK 19 35 0527 1515 =
5TD UTT TU7 3U6 3A4 357 (Cont'd) AR
A HR MSG GA
NR 54 CK 116 35 0527 1628 =
UTU TU7 3U6 3A4 TTU 773 357 (Cont'd)

4243//9054 kHz, 31-05, 1146 UTC

V = = =
NR 067 21 35 053A1 EE 16 =
5WEUTTT3A 3UT 53A4 (Cont'd) AR
NR 62 13 35 35 0531 1612 =
UTU T3A 3U6 3A4 TTU TT5 TT5 335 437 3N3 (Cont'd) AR
NR 0.6 06 35 0531 1635 =
U6T. A3U63 A4.. (Cont'd)

6666 kHz, 31-05, 1126 UTC, i.p.

05 05 05 VVV
37N. .D7.37.GA NR
05 05 05 05
T.7.GA RT. 5TUD. 7AD3..

8073 kHz, 31-05, 0010 UTC, i.p.

AR AR
7G AGN NR
NR 04.5 CK 110 35 0531 0705 =
T3A 3A4 3A4 TAU 773 TA7 773 357 (Cont'd) AR AR

8073 kHz, 31-05, 1145 UTC

V BNGC (x3) DE XSV85 (x2)
.. 7G GA PSE CY
NR 0426 CK 191 35 0531 1521 = = =
.3A 3U6 3AN 3U7 (Cont'd)



MC03 - Chinese Air Defense

3705 kHz, 03-05, 1431 UTC

AUU AUTAUT D737N66 A5D 3A
AUU AUTAUT D737N5U A5D 32
AUU AUTAUT D7374DN A5D 33
AUU AUTAUT D7374UA A5D 34



UM02 – YRM net

10470 kHz, 06-05, 0133 UTC, i.p.

CQ DE YRM VVV QSV K
DE DE
QSV K
CQ DE YRM VVV QSV K
QSV K
CQ DE YRM VVV QSV K
QAH V K
CQ DE YRM VVV QSV K
QSV K

10470 kHz, 13-05, 0130 UTC

VVV CQ (x3) DE YRM (x2) QSV K
VVV CQ (x3) DE YRM (x2) QSV K
KLF ZNN VA I
VVV CQ (x3) DE YRM (x2) QSV K
VVV CQ (x3) DE YRM (x2) QSV K
VVV CQ (x3) DE YRM (x2) QSV K
VVV CQ (x3) DE YRM (x2) QSV K
VVV CQ (x3) DE YRM (x2) QSV K
VVV CQ (x3) DE YRM (x2) QSV K
ZAN ZAN VA I
VVV CQ (x3) DE YRM (x2) QSV K
ROZ ROZ QSV K
VVV CQ (x3) DE YRM (x2) QSV K
ZAN ZAN VA I
VVV ROZ ROZ QSV K
R R R VVV ROZ ROZ QSV K
VVV CQ (x3) DE YRM (x2) QSV K
ZAN ZAN VA I

10470 kHz, 22-05, 0131 UTC

CQ (x6) DE YRM (x2) VVV QSV K
CQ (x6) DE YRM (x2) VVV QSV K
R KLF ZNN VA (KLF in background)
QSV K
QSV K
CQ (x6) DE YRM (x2) VVV QSV K
DE DE DE
QSV K
DE DE
ROZ ROZ ZNN VA

QSV K
DE
QSV K
QSV K



UM10 - 10-minutes net

3720 kHz, 03-05, 1427 UTC NJ6A (New frequency. Previously on 3707 and 3709 kHz)
3720 kHz, 06-05, 1556 UTC NJ6A
3350 kHz, 09-05, 1452 UTC HHN5 (New callsign, new frequency, using 15-25 and 45-55 Time slots)
3720 kHz, 09-05, 1459 UTC NJ6A
3351 kHz, 10-05, 1449 UTC HHN5
3720 kHz, 10-05, 1453 UTC NJ6A
3720 kHz, 10-05, 1954 UTC NJ6A
3720 kHz, 11-05, 1430 UTC NJ6A
3720 kHz, 13-05, 1951 UTC NJ6A
3720 kHz, 31-05, 1527 UTC NJ6A

DIGITAL MODES



HM01

Dirección General de Inteligencia

10715 kHz, 18-05, 2247 UTC i.p. At 2250z briefly Radio Habana's French language broadcast
16180 kHz, 24-05, 2050 UTC Radio Habana on and off till 2059z, then into first 4 groups, sent twice.
Then: 43037 70354 06832 10213 01139 71241



HM02

Modes:
FSK-19.8Bd/129Hz and FSK-CW

7351 kHz, 01-05, 0446 UTC

999 (hand sent) 721 70 =
64045 21536 95866 37259 68377 11886 91446 66693 33877 03457
78344 70277 95581 83682 27265 71444 40315 57202 60054 32743
42648 89427 28804 50569 05066 06494 02000 64120 43028 83073
24681 73298 52618 39066 77647 77417 32362 04532 22820 57650
36744 41135 51106 17502 02835 71337 55940 40810 19700 22274
21283 08048 84627 57654 40864 44885 33921 75525 34659 69841
75902 98356 79989 64723 34622 43329 38291 82478 07794 66807 =
721 70 721 70 = rpt msg = 721 70 000

7351 kHz, 02-05, 0449 UTC

791 64 =
47800 41322 84209 40285 51226 14408 09887 68363 84564 89918
27826 36673 26183 63007 67818 66366 81005 39052 75458 86059
43248 01242 21669 57447 75956 75704 21380 70728 37945 73135
51882 73988 24656 29124 43519 58613 20245 72903 54496 60924
97846 22079 62178 40745 54895 29302 11745 44553 62552 15797
84415 83133 85480 24082 90879 93314 61298 85516 91892 51809
30119 04422 47168 82044 =
791 64 791 64 = rpt msg =
791 64 000

7351 kHz, 03-05, 0443 UTC

682 62 =
82790 41583 53634 25095 11445 04513 49164 62739 68686 10023
93021 53800 46955 94552 89295 12835 10033 35756 81725 81461
70861 27940 42763 88554 19195 74082 13585 77784 60464 65844
87217 12910 90678 41207 80860 83730 28322 02780 89947 36434
59698 46422 06612 79208 94298 25010 49234 40916 95172 44765
76372 42895 35823 15269 37234 55801 22056 78365 67253 10233
79278 78076 =
682 62 682 62 = rpt msg = 682 62 000

7351 kHz, 04-05, 0441 UTC

573 65 =
23440 13764 16166 18078 92718 89380 14905 98300 87584 69834
25331 09657 67671 42264 49920 97145 72085 34765 40884 78522
12530 31989 03964 55970 92485 65222 62819 71803 57121 77314
95991 50008 38474 37381 97648 37560 06122 10562 51357 36606
65056 84132 29747 56915 50589 93310 76382 12990 34933 80312
17022 13826 98123 95432 39415 46828 76408 18787 49992 95541
73203 65946 41122 13492 96374 =
573 65 573 65 = rpt msg = 573 65 000

7351 kHz, 05-05, 0440 UTC

414 58 414 58 =
37864 91799 88974 21744 94962 35335 01927 61173 34548 10635
64052 66691 08180 82772 00711 26894 99679 15445 67201 25512
97614 61328 37672 26034 96728 11325 23749 12337 98394 24365
10656 95941 85321 49608 49766 73878 23946 23669 65678 64590
76275 04964 26930 69778 24992 37227 01852 44173 81671 47710
21412 19608 06345 99578 97019 45614 25428 03888 =
414 58 414 58 = rpt msg = 414 58 000

7351 kHz, 06-05, 0445 UTC

365 67 =
27954 63059 05668 6x402 70024 27667 26653 26376 38678 35351
0x152 95805 68999 11362 23620 39338 31443 90779 30852 x1400
67649 61797 45629 76987 04874 63647 14131 42522 45577 935x7
73279 79105 43337 27914 34601 32312 45582 76149 97525 02736
44338 31546 85073 78677 3x843 78322 43235 35128 55899 47167
93769 05860 37711 31242 15312 91158 73197 32733 56018 03087
20931 76226 35520 35921 82462 23140 84517 =
365 67 365 67 = rpt msg = 365 67 000

7351 kHz, 07-05, 0438 UTC

276 63 =

80951 76787 20594 53784 07355 88796 82556 70920 49041 86275
87691 12317 95475 52037 38956 52345 08953 83303 09184 90381
43553 75012 07756 64683 73695 23703 85513 81047 57149 13760
62349 52381 58911 48151 66334 38813 76469 25389 50691 28127
32026 49709 34023 29606 58060 59527 53805 17157 56313 36520
14727 06844 72602 62979 57098 31006 60991 91444 91476 44917
99406 76765 07136 =

276 63 276 63 = rpt msg = 276 63 000

7351 kHz, 08-05, 0447 UTC

999 (hand sent) 127 66 =

95396 42885 34978 53482 54941 90679 94654 17158 18414 83808
47496 08606 76631 45278 54865 81527 44329 34484 76506 86444
41708 83025 79068 09230 79894 15815 29940 22784 16393 26804
77177 00460 93916 86431 29996 53896 29924 32601 06477 59672
10723 37483 57082 64739 74293 28098 97477 56141 53933 86696
32953 14697 13209 02365 41279 71967 63685 60271 82523 23467
83049 62282 56316 35273 37553 57387 =

127 66 127 66 = rpt msg = 127 66 000

7351 kHz, 09-05, 0441 UTC

945 69 =

83949 57995 32323 00280 00801 53169 57250 09708 28789 98918
53187 96473 30553 05639 26015 19487 66017 07907 77434 04740
11118 91956 67974 16488 20289 38888 03697 20283 01044 86730
99664 85441 05339 68568 96212 25382 90547 70972 84828 75897
02878 74342 35701 59667 63554 56141 98697 85385 14614 50127
07533 66928 51380 62195 70615 54915 31036 82801 72015 68142
51200 33863 82611 78625 12942 12393 36710 85730 26372 =

945 69 945 69 = rpt msg = 945 69 000

7351 kHz, 10-05, 0439 UTC

105 54 =

71350 57962 11011 50353 05848 25120 76947 56487 81129 65498
05513 38636 87959 66528 32554 23093 74566 16911 33497 22868
29114 79158 14195 46409 71283 85051 10908 41508 33517 75692
25499 50567 24314 83633 43265 81340 58390 13876 18002 02620
11907 73321 73070 44508 27865 04711 83681 83714 63650 77378
86258 67026 99164 81092 = rpt msg = 105 54 000

7351 kHz, 11-05, 0442 UTC

323 70 =

01904 67017 18397 45823 78701 37272 53883 57372 22699 08033
05775 45688 90888 03189 85156 70056 99864 05632 17282 02555
18464 44705 42862 61497 12971 49271 84209 02455 52747 56705
92825 10502 80822 08072 93716 31576 69552 79106 78111 18630
18426 70940 90117 30079 12041 30232 40970 85069 63329 06110
35770 97175 87768 40067 63392 01652 40877 38446 65538 31171
91302 42636 70298 12483 90981 37949 14380 42547 38992 47409 =

323 70 323 70 = rpt msg = 323 70 000

7351 kHz, 12-05, 0445 UTC

273 62 =

20037 78059 60272 13309 89736 14199 34314 79112 38763 67363
16470 23470 93886 69421 23857 68197 13521 08048 13236 15219
22365 29432 08986 78577 16059 67638 82505 47588 97380 50298
49698 59213 25426 72147 36129 29930 17307 94170 51176 99732
68196 21917 12537 95139 63473 65438 13620 25665 04978 78922
44619 79587 39643 18545 32770 62833 89561 26512 82670 55224
86951 18412 =

273 62 273 62 = rpt msg = 273 62 000

7352 kHz, 13-05, 0437 UTC

369 68 =

74243 67712 51484 05653 06333 15825 87356 78056 02050 37762
32346 05504 93514 67370 23189 67644 36099 29667 69215 51295
62028 31966 72295 66138 39704 85798 19301 75168 14135 67612
42388 14458 92830 81423 56709 07727 83198 08946 82890 19742
68584 46455 76552 68114 03307 83317 07538 54413 92692 74461
68823 54476 39537 98783 81246 98871 19226 68293 27493 39314
47631 26683 51579 81178 45308 49297 22945 85261 =

369 68 369 68 = rpt msg = 369 68 000

7351 kHz, 14-05, 0443 UTC

632 68 =

08254 55119 98922 84592 51214 03708 09061 74010 37982 76145
76094 89289 14127 81960 13806 80337 01086 86833 70850 45459
64119 50197 90721 96776 08011 38677 16602 84925 53976 04624
09014 73895 15934 72050 31286 41301 67770 71782 41382 35554
02381 31123 43991 45260 65263 34058 20859 26416 94828 27933
71413 43896 40379 74744 07419 21825 49138 04884 27260 53151
92004 82631 98059 40218 17249 63246 60620 34972 =

632 68 632 68 = rpt msg = 632 68 000

7351 kHz, 15-05, 0440 UTC

816 62 =

15555 67818 56634 40815 76771 24193 29715 91308 03314 50926
94763 49520 15236 90520 48365 71992 85227 88728 08683 88111
87625 55993 98297 67394 24815 95014 47345 11459 77425 28811
96226 46694 87918 49734 00353 73900 03671 73379 02891 57560
64841 70126 92278 17042 31922 64066 90307 47960 08244 86543
81315 43829 00865 03398 59985 83805 12142 66206 12938 81614
68005 29457 =

816 62 816 62 = rpt msg = 816 62 000

7351 kHz, 16-05, 0446 UTC

9 9 9 (hand sent) 520 68 =

80898 53131 05535 17822 96345 52656 18500 69290 40941 27370
82510 57013 72896 81618 85729 23835 38369 84084 41305 60657
11744 68744 18930 24731 20860 27677 71833 29571 36068 41043
06453 50490 56635 23694 23016 03420 29528 88663 30788 36845
14032 69635 07194 10183 58172 67666 52344 81027 27945 34341
19335 66058 57407 07029 51835 39628 82531 88836 32049 22644
61157 63452 00774 84546 67334 52053 77573 50247 =

520 68 520 68 = rpt msg = 520 68 000

7351 kHz, 17-05, 0441 UTC

945 65 =

62253 45475 31856 60604 85647 99238 66702 35313 02172 53986
 37884 82541 07656 28904 75175 41273 54471 45037 40488 36699
 70462 76777 26852 35818 03494 83106 38909 21982 67211 17596
 12607 86891 80205 07020 08034 31433 75699 54539 73330 70740
 84672 52707 07215 73656 78287 88822 68859 61912 04603 61271
 86832 51772 83066 03859 20748 54536 14569 68422 88737 54123
 66588 34956 52825 02100 77581 =

945 65 945 65 = rpt msg = 645 65 000

7351 kHz, 18-05, 0442 UTC

235 71 =

39008 87969 39898 69505 27962 93005 10089 15595 39683 13602
 19701 79047 90942 53920 44104 89229 85457 48900 05051 24062
 43033 29633 91714 73187 84727 85205 62373 92809 47615 26454
 76555 75717 78026 13733 09884 04967 74265 04107 51838 48628
 79124 77142 17303 10832 80143 81223 88670 17952 36739 10378
 25122 95876 81429 64752 13154 78461 31498 65771 46352 98245
 70313 49035 56620 73400 00327 88063 48979 91465 92365 23522
 89080 =

235 71 235 71 = rpt msg = 235 71 000

7351 kHz, 19-05, 0440 UTC

483 68 =

34062 01423 20736 75647 13736 17348 93543 30061 20805 48037
 78502 96276 57542 38180 45942 08554 94978 06388 34313 50701
 13387 79225 11162 54037 21744 82228 31345 68656 31980 91951
 62031 27647 09065 78882 17022 91134 03082 59343 40611 23605
 98383 44274 75934 41706 30564 04868 43838 73788 75267 74973
 72358 60458 94322 82584 23337 86408 78462 34195 10315 39794
 72782 50972 94113 99190 48367 77790 65032 00080 =

483 68 483 68 = rpt msg = 483 68 000

7351 kHz, 20-05, 0440 UTC

999 (hand sent) 176 68 =

66421 60493 39846 56020 94490 68541 86093 84914 49557 68907
 80557 16735 50880 40069 96436 27748 06152 00541 24069 41450
 30780 42573 29350 10570 83519 27983 34092 95449 99441 14185
 83566 44943 13319 70869 26069 68626 42785 00494 97260 11656
 60750 75490 48075 40674 96870 23950 36596 92404 12210 18699
 64055 96585 11579 33486 38458 78676 35511 28536 32303 78294
 17956 53253 99460 05387 68698 36944 14176 43345 =

176 68 176 68 = rpt msg = 176 68 000

7351 kHz, 21-05, 0438 UTC

814 68 =

95015 94163 49844 19193 12441 83262 98357 54959 32827 99599
 36922 49817 57992 51970 34766 32403 77390 28181 82751 19696
 61232 39145 55319 09373 92699 48294 11238 99361 39308 76917
 90497 35383 61655 05557 97944 44229 50217 44594 03702 03915
 95157 54293 08527 67806 51631 10493 18613 55300 46233 92270
 29866 71676 68388 71050 37796 20418 41828 91612 46319 58359
 13849 49416 28315 02539 33441 37897 81454 61915

= 814 68 814 68 = rpt msg = 814 68 000

7351 kHz, 22-05, 0438 UTC

712 62 =

99064 06630 37559 46579 16786 42231 19909 22815 38064 50042
91982 49509 88327 24639 52329 84584 89167 18997 82849 03996
40483 70776 36850 93225 06193 61457 13462 96012 21610 71383
14845 21658 06856 42335 17367 52255 20039 16892 13738 74208
64801 63319 16209 01477 83026 43078 30306 94004 19017 69396
13662 17164 37880 66913 94061 30945 76969 10491 76221 97197
08557 62320

= 712 62 712 62 = rpt msg = 712 62 000

7351 kHz, 23-05, 0442 UTC

235 62 =

32340 55014 66989 46720 59083 88858 18360 44844 07074 98036
12251 42326 62009 97112 42066 91898 83193 37284 25984 92538
78173 20318 65011 69490 34402 33497 16435 25495 88701 67826
24539 62813 71348 58210 17315 35637 35496 36855 56212 27104
99267 16634 01418 65580 41259 31700 02654 19847 16711 09537
83674 83792 58210 37766 74597 07671 79091 63580 74209 98081
09882 02769

= 235 62 235 62 = rpt msg = 235 62 000

7351 kHz, 24-05, 0440 UTC

348 67 =

44226 91016 93871 16762 34720 32397 88636 00468 90075 22127
99212 75392 73166 78648 88377 59927 92987 91773 54007 80221
66744 49077 46101 32686 65472 70549 44217 73805 59878 83987
30198 62871 13171 50297 32813 79829 12370 43794 59431 82980
80745 22286 85143 36975 82651 23861 79999 44957 83928 32256
38824 02548 82838 93187 22754 87277 43668 67285 44494 81387
48103 53804 64857 42697 32323 28071 49315

= 348 67 348 67 = rpt msg = 348 67 000

7351 kHz, 25-05, 0446 UTC

571 71 =

57927 14860 92371 83497 38955 86622 15419 51075 09359 62800
03678 25043 50748 77936 10945 83636 50441 08202 00662 41250
93056 99870 90559 19194 06002 59931 88100 38724 42589 11222
25384 28616 14076 11393 27743 78583 23026 32000 78934 11106
92561 81947 31792 75298 11667 40089 89689 65339 60106 85134
53213 78631 24642 28835 64142 24088 75214 88635 60431 20947
66467 76055 27485 72580 42042 17629 09854 33298 87484 10794
22295

= 571 71 571 71 = rpt msg = 571 71 000

7351 kHz, 26-05, 0448 UTC

247 65 =

09720 34403 60708 07977 09660 23262 45533 45203 87440 92308
68636 09389 97607 24971 81634 45133 21886 43902 33046 86654
50829 80980 24726 24270 60298 05007 35920 47391 12552 24915
74814 97933 79898 67200 92695 33131 97489 17242 39770 21333
88599 36210 74234 71210 39886 92770 33623 73257 63220 60902
14628 49871 39989 02129 56764 89991 93841 26630 77088 09710
13944 05330 31060 76300 94475

= 247 65 247 65 = rpt msg = 247 65 000

7351 kHz, 27-05, 0445 UTC

593 64 =

33036 72064 39065 69747 52765 20214 64904 51134 76341 05975
81567 54042 40967 67078 87363 66139 96591 50256 84192 47439
88583 59348 13157 02597 23717 74504 91188 08489 94105 39943
06642 07802 70993 77433 07038 66003 02730 78237 73167 83004
11164 41610 57463 84315 18526 76076 54225 58574 94805 52367
27602 06140 31628 39782 99428 57545 91509 75475 72545 80376
05729 55998 32151 42162

= 593 64 593 64 = rpt msg = 593 64 000

7351 kHz, 28-05, 044 UTC

896 62 =

40859 85162 35861 34843 75041 21658 46006 12598 07110 46007
45177 27870 34082 33686 22411 04250 56665 51902 96893 46368
56921 91048 70707 98350 54770 79412 51951 65983 22356 47280
84951 46516 20388 43847 35898 89621 52476 15809 86252 95112
54150 37988 75560 47341 55738 40447 90453 13176 95010 82075
60925 16693 89042 62261 22428 05981 63474 28726 02650 13984
48229 42033

= 896 62 896 62 rpt msg = 896 62 000

7351 kHz, 29-05, 0445 UTC

704 63 =

84796 61204 91378 11934 04241 13696 11278 64884 32554 44306
02444 46748 07308 11379 48035 85518 06897 09445 11078 43828
49944 65852 02053 24173 80655 87904 11396 18023 80154 05001
90805 76262 62706 26428 18239 05143 56033 65995 02190 83656
79555 22421 70420 77081 50143 93427 96899 37580 13857 83380
41962 91362 60749 16153 56146 28432 45138 37906 24121 65354
82818 98526 89529

= 704 63 704 63 rpt msg =

704 63 000

7351 kHz, 30-05, 0444 UTC

135 65 =

40036 13909 69100 78353 18002 04405 93525 68570 00078 04945
20898 93021 50760 68456 17113 87672 07534 98268 77219 40743
37141 33842 99291 96270 04464 62058 73163 24531 97250 51578
03566 40647 73061 27535 43471 77675 22289 18000 86616 62091
27610 91600 54425 36090 21124 97169 74638 79402 47750 06459
29660 40410 13571 98730 15263 48008 21413 90132 42146 41879
04373 73545 19606 64520 49405

= 135 65 135 65 = rpt msg =

135 65 000

7351 kHz, 31-05, 0446 UTC

264 67 =

18856 06363 10585 19511 56797 92057 40906 18241 60260 86981
80287 79061 41276 21153 37230 73012 46916 22331 07478 99947
32648 82226 12505 16772 92706 45014 61587 29680 54621 83759
23681 94724 94967 26086 88662 99797 79226 61018 23050 52294
74118 80256 77412 30783 56375 05661 67675 63700 41313 06878
42693 13875 92542 68433 51020 23195 24793 07371 02913 94153
83921 21678 53805 10563 15932 11885 21864

= 264 67 264 67 = rpt msg = 264 67 000

M42 & X06



Modes:

Various digital modes, CW,
Tones (Mazenska / Mazielka)

Russian Government & Intelligence



M42 – various modes

Freq	Date	UTC	Details	Mode
6776	25-5	0622	PR6O de 7ZGR. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500
6780	21-5	1758	GRU test?	FSK 100/500
8007	16-5	2000	no transcript SVR experimental MFSK-80 modem	MFSK-80
8140	20-5	1531	no transcript GRU test	
12141	15-5	0935	no transcript SVR experimental MFSK-80 modem	MFSK-80
13401	13-5	1306	no transcript Russian SVR experimental MSFK-80 modem	MFSK-80usb
14377	16-5	0935	no transcript Russian	Wide-4FSK
14808	13-5	1045	no transcript Russian	Wide-4FSK
14907	28-5	0730	UHC wkg RPK. Header: 11100 80104 34517 28014 01009	CW

M42b – FSK 50/500

Freq	Date	UTC	Details	Mode
4562	30-5	1730	GLJW wkg LQDF comms checks and QLP30	CW
4592	30-5	1705	GLJW wkg LQDF. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500
5138	6-5	1805	G5OP wkg SN7D. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500
5220	17-5	1715	BUHN wkg FKLS. Message in FSK, opchat in Morse: QRU NIL SK	FSK 50/500
5299	10-5	1444	FANV de PSDG QSY 99732 K	CW
5738	14-5	1130	TKLI wkg KBAN (calling and QSY 61368	CW
5908	23-5	0857	MHLT de CLC1 QSA NO QSY 54125	CW
6987	22-5	0521	UHK wkg outstation. Traffic in FSK - 11100 60102 56871 22170 05009, opchat in Morse: QRU NIL SK	FSK 100/500
7355	13-5	1628	NCS wkg outstations (Traffic in FSK, opchat in Morse: QRU NIL SK)	FSK 50/500
7631	15-5	0711	NCS wkg outstations (Traffic in FSK, opchat in Morse: QRU NIL SK)	FSK 50/500
7978	21-5	0508	YDEW wkg MJFQ. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500
9052	11-5	1327	K4MT wkg NT9P (Traffic in FSK, opchat in Morse: QRU NIL SK)	FSK 50/500
13387	21-5	1231	NT9P wkg K4MT. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500
14362	15-5	0800	1ELM wkg SAVJ (Traffic in FSK, opchat in Morse: QRU NIL SK)	FSK 50/500

11414/9317/7572 kHz, 02-05, 1015/1025/1035 UTC

=8201 54484861218400994	=85348 905357012702671178	=83895 01802181593876588
=8772 755688716855118180	=83249 86583784665615259	=84396 588588452963239128
=7893 743414139124103145	=87250 442354954958767157	=80197 552756639994340175
=8374 639756484651481176	=80151 337265610947224143	=76898 086794358109462153
=8335 94710794156215867	=86152 29951602352433356	=77099 97306616599874435
=8476 791264098464209101	=82653 80278227920163977	=84410034134527403815236
=8467 19171589776213362	=78654 14111268716369871	=818101726643514485429222
=8728 191643871474203132	=85655 430739163895493104	=800102928426745741500142
=8409 94093994194881648	=81456 57712976183664673	=863103075869759171507129
=80810 01553785877851272	=85757 31442395805538580	=850104155100767354370141
=82311 167425026101428121	=88558 565933157366321108	=784105678831361248331116
=83912 586199397355753101	=83459 40126384804706336	=80410653602698108246660
=81613 047385043409351124	=82760 497476555099173151	=812107405641385362869122
=80414 14051027947111396	=87061 7883252347085409	=863108887298638463809146
=78215 525326785856163150	=85362 202239534095001138	=837109586340596607101176
=83916 337191498380236101	=84563 41440780732742472	=85211052477894130711978
=84817 83829266128066337	=83364 49943906210563694	=89111199443985399879795
=84318 568111800206216102	=85865 19882174101350617	=892112359938670414818124
=87019 8362102458312766	=82066 461344448109431125	=858113076905617157084115
=83920 516007465623396120	=80067 11222851830407432	=828114687546052100813183
=80021 90855543236425912	=87168 89172191137202290	=810115064366488781320123
=85022 10628195054195494	=87669 825203929342243137	=857116717702759160221132
=83823 340066566767932105	=84370 658432010057738146	=80311794334614571345474
=83524 58735336005448844	=85771 28129681621909174	=839118484468889895909210
=83025 28287518060574545	=77472 04414938522715774	=83311966051739503321637
=79126 00634434493642947	=83873 09221471754976096	=836120224732872961548149
=83927 06030534199181989	=82074 24914276678057214	=854121667649055983682102
=87128 38664100359218192	=87875 86938835329329058	=759122728712599598908102
=75729 522763891224819150	=87676 15786206335100197	=879123820002535683025150
=82630 52488789986478188	=79877 798026518606826145	=90912407785984223476571
=88331 46998852624084093	=83178 5280517537699733	=84412502003395612798941
=75832 067093458884758174	=82679 74134201947852793	=83012667188428331611193
=84133 04942547678480567	=83080 443013823631039148	=824127667681144266964207
=86234 46315692678010672	=78881 245783436190996165	=817128064644386007827161
=83335 35016398417376064	=79282 24237229961583349	=86112924903831419685477
=80536 09459290110994964	=87083 81495735785970283	=80513094167301551063271
=85737 447886614715806152	=82884 781573113232030113	=82213107932550724928968
=84738 387015258876038108	=87885 043846906249999135	=80513214425427968535267
=80839 731413187486380187	=84586 823600738897776155	=891133627920405459635135
=78940 61869728881471396	=86087 467205505633039126	=77213403548764114857573
=79241 76847743983052596	=82488 20377489209946095	=81513580272764728768549
=80242 480792066833800129	=83789 59075557007654291	=83313627933407294075190
=80443 058900096386778148	=85890 19064968770525947	=821137373220863463358184
=86244 79759473864026391	=78691 35171069051219498	=791138322510013917179153
=80345 090745369596837126	=84692 755992157241993124	=833139177575936695234105
=87846 2380695210615398	=87893 510352653458616134	=82714009689626205641970
=89347 971730751306215113	=85994 327190043693699119)57614100000+++++++177

54484 86121 84009 75568 87168 55118 74341 41391 24103 63975
64846 51481 94710 79415 62158 79126 40984 64209 19171 58977
62133 19164 38714 74203 94093 99419 48816 01553 78587 78512
16742 50261 01428 58619 93935 55310 04738 50434 09351 14051
02794 71113 52532 67858 56163 33719 14983 80236 83829 26612
80663 56811 18002 06216 83621 02458 31276 51600 74656 23396
90855 54323 64259 10628 19505 41954 34006 65667 67932 58735
33600 54488 28287 51806 05745 00634 43449 36429 06030 53419
91819 38664 10035 92181 52276 38912 24819 52488 78998 64781
46998 85262 40840 06709 34588 84758 04942 54767 84805 46315
69267 80106 35016 39841 73760 09459 29011 09949 44788 66147
15806 38701 52588 76038 73141 31874 86380 61869 72888 14713
76847 74398 30525 48079 20668 33800 05890 00963 86778 79759
47386 40263 09074 53695 96837 23806 95210 61539 97173 07513
06215 90535 70127 02671 86583 78466 56152 44235 49549 58767
33726 56109 47224 29951 60235 24333 80278 22792 01639 14111
26871 63698 43073 91638 95493 57712 97618 36646 31442 39580
55385 56593 31573 66321 40126 38480 47063 49747 65550 99173
78832 52347 08540 20223 95340 95001 41440 78073 27424 49943
90621 05636 19882 17410 13506 46134 44481 09431 11222 85183
04074 89172 19113 72022 82520 39293 42243 44788 66147 18061
28129 68162 19091 04414 93852 27157 09221 47175 49760 24914
27667 80572 86938 83532 93290 15786 20633 51001 79802 65186
06826 52805 17537 69973 74134 20194 78527 44301 38236 31039
24578 34361 90996 24237 22996 15833 81495 73578 59702 78157
31132 32030 04384 69062 49999 82360 07388 97776 46720 55056
33039 20377 48920 99460 59075 55700 76542 19064 96877 05259
35171 06905 12194 75599 21572 41993 51035 26534 58616 32719
00436 93699 01802 18159 38765 58858 84529 63239 55275 66399
94340 08679 43581 09462 97306 61659 98744 34134 52740 38152
72664 35144 85429 92842 67457 41500 07586 97591 71507 15510
07673 54370 67883 13612 48331 53602 69810 82466 40564 13853
62869 88729 86384 63809 58634 05966 07101 52477 89413 07119
99443 98539 98797 35993 86704 14818 07690 56171 57084 68754
60521 00813 06436 64887 81320 71770 27591 60221 94334 61457
13454 48446 88898 95909 66051 73950 33216 22473 28729 61548
66764 90559 83682 72871 25995 98908 82000 25356 83025 07785
98422 34765 02003 39561 27989 67188 42833 16111 66768 11442
66964 06464 43860 07827 24903 83141 96854 94167 30155 10632
07932 55072 49289 14425 42796 85352 62792 04054 59635 03548
76411 48575 80272 76472 87685 27933 40729 40751 37322 08634
63358 32251 00139 17179 17757 59366 95234 09689 62620 56419
00000

11414/9317/7572 kHz, 03-05, 1015/1025/1035 UTC, 2 messages

=8321 74018008560965785	=77123 537045282645187128	=80547 09200331683113572
=8012 74018008560965785	=82224 17906969329855399	=81748 184540177673512100
=8012 72080279740974569	=87825 106997466350846175	=80949 40391034872607582
=8153 722218828889910103	=81026 39365740140267170	=84550 17554076084600448
=8154 437216269739235104	=83727 23713462711350275	=82751 277525604473919145
=8675 15497160659716064	=83828 85343654980853164	=84652 635562899847176120
=8526 287111576017240984	=86029 475995058969325112	=81453 41497980406945062
=8537 795750971596582111	=80630 34695087838439798	=83354 148963385360935131
=8118 561282669002682180	=82331 581827991948884151	=87855 511096722956232146
=8039 18610033090318644	=75632 011715533191737146	=86956 79023856962682010
=86410 649821350016074104	=82233 36688754836183663	=75357 170404528867889211
=82411 65521038851746569	=88234 914683376464948140	=83758 90857962470467523
=87112 49874379015015285	=87635 89670334755943914	=85859 22874625937170166
=82913 08032858776881499	=85736 80893725051178762	=83260 29399016522161876
=77314 344805496629326148	=83338 571110000000000113	=87561 39284635002253743
=82815 415713395221287161	=72039 000000000000000120	=84062 25104878594131411
=76816 58380372908069439	=72040 000000000000000080	=84463 822825718714942142
=87317 75324281477375636	=81741 76342770907952965	=81164 09564852776868474
=90818 49937997465955729	=78542 93067316432488338	=85265 94020077466423655
=85919 68600696500849896	=83243 475014075623200111	=83566 74326294908651184
=79920 67810002281895011	=83944 18047393307556492	=83767 90845997026010551
=89321 075801004464943159	=83645 03594919166888195)76568 5808100000+++++242
=86222 07460606245693289	=83746 277360361573276106	

74018 00856 09657 74018 00856 09657 72080 27974 09745 72221
88288 89910 43721 62697 39235 15497 16065 97160 28711 15760
17240 79575 09715 96582 56128 26690 02682 18610 03309 03186
64982 13500 16074 65521 03885 17465 49874 37901 50152 08032
85877 68814 34480 54966 29326 41571 33952 21287 58380 37290
80694 75324 28147 73756 49937 99746 59557 68600 69650 08498
67810 00228 18950 07580 10044 64943 07460 60624 56932 53704
52826 45187 17906 96932 98553 10699 74663 50846 39365 74014
02671 23713 46271 13502 85343 65498 08531 47599 50589 69325
34695 08783 84397 58182 79919 48884 01171 55331 91737 36688
75483 61836 91468 33764 64948 89670 33475 59439 80893 72505
11787 57111 00000

76342 77090 79529 93067 31643 24883 47501 40756 23200 18047
39330 75564 03594 91916 68881 27736 03615 73276 09200 33168
31135 18454 01776 73512 40391 03487 26075 17554 07608 46004
27752 56044 73919 63556 28998 47176 41497 98040 69450 14896
33853 60935 51109 67229 56232 79023 85696 26820 17040 45288
67889 90857 96247 04675 22874 62593 71701 29399 01652 21618
39284 63500 22537 25104 87859 41314 82282 57187 14942 09564
85277 68684 94020 07746 64236 74326 29490 86511 90845 99702
60105 58081 00000

14363/12189/10346 kHz, 03-05, 1840/1850/1900 UTC

Null message. Note from Danix: "There are fewer messages on this one that there used to be. It sends only once a month. The last messages were in July 2015, September 2015, October 2015, December 2015, and January 2016. It's been nulls only from February onwards. The December 2015 and January 2016 messages had 422 groups each. Way above its ~100 group average."

11414/9317/7572 kHz, 05-05, 1015/1025/1035 UTC, 2 messages

=8221 64745894006570164	=88822 757750800745621147	=80543 94317193633698718
=8302 127590287087923152	=86423 698206561514399120	=85744 563638081122484110
=7873 1257992184938567	=80024 11485084096007155	=83445 60825916061181613
=8934 554022900150965140	=72025 000000000000000127	=76946 239926359595578106
=8345 78828741808534757	=72026 000000000000000080	=81247 521137678629700127
=8156 09336756359187990	=76027 000000000048815135	=85248 64780316474275846
=8527 86597015377723665	=86128 93386955834577771	=83949 044978056405005145
=8098 570626939154888209	=84229 303113342839376218	=84550 08987690735175434
=8629 15808835094216260	=83630 86477615442347477	=83751 08278907684909890
=82310 841870350497799108	=80431 35074726753292691	=77252 276806796594887118
=79611 417716863985825109	=85732 91625784283437091	=85253 249561755041616102
=85712 49867050820347889	=87333 25680751268698144	=87954 41584353217711963
=84513 685159125078918141	=78434 840541825621187115	=89155 948986864991389112
=83514 43495039285069283	=83035 44520748117057964	=82256 485784478466087100
=86715 16833806474781199	=83636 769700157987419145	=82157 43938645932352759
=80216 61794361322292966	=78937 53319046748776590	=83658 147807040352452105
=87217 22439224143359332	=85838 44899143548264141	=87159 431392759674164118
=81218 66705470169048185	=80639 645157793099649151	=75660 99250650381637679
=83419 833107969221326124	=84140 784623360289599189	=82061 132286403404553104
=83220 459306510936762116	=82341 70700049616089096	=83462 33235004876110530
=84621 735187343296956154	=90742 92888857549504934)57663 00000+++++++218

64745 89400 65701 12759 02870 87923 12579 92184 93856 55402
29001 50965 78828 74180 85347 09336 75635 91879 86597 01537
77236 57062 69391 54888 15808 83509 42162 84187 03504 97799
41771 68639 85825 49867 05082 03478 68515 91250 78918 43495
03928 50692 16833 80647 47811 61794 36132 22929 22439 22414
33593 66705 47016 90481 83310 79692 21326 45930 65109 36762
73518 73432 96956 75775 08007 45621 69820 65615 14399 11485
08409 60071 00000

48815 93386 95583 45777 30311 33428 39376 86477 61544 23474
35074 72675 32926 91625 78428 34370 25680 75126 86981 84054
18256 21187 44520 74811 70579 76970 01579 87419 53319 04674
87765 44899 14354 82641 64515 77930 99649 78462 33602 89599
70700 04961 60890 92888 85754 95049 94317 19363 36987 56363
80811 22484 60825 91606 11816 23992 63595 95578 52113 76786
29700 64780 31647 42758 04497 80564 05005 08987 69073 51754
08278 90768 49098 27680 67965 94887 24956 17550 41616 41584
35321 77119 94898 68649 91389 48578 44784 66087 43938 64593
23527 14780 70403 52452 43139 27596 74164 99250 65038 16376
13228 64034 04553 33235 00487 61105 00000

Note from Danix:

"All the F01 TX's on 7992 kHz were done using a different modem than the normal ones. It was still Baudot, but with 1 stop bit instead of 1.5. The 3-digit number at the end of 25-character lines has leading zeroes instead of trailing spaces if the number is smaller than 100. They kept the old system for line numbers though."

7992 kHz, 06-05, 1535/1625 UTC. GRU tests. Null messages.

7992 kHz, 06-05, 1545 UTC. GRU test

40060 68561 40247 56553 19394 64274 46205 40188 77747 53661
90811 45691 92786 86867 64689 12521 65231 77765 69774 39650
75566 16280 88316 26430 68510 75558 98571 62145 45124 71540
60080 81329 57949 49077 45390 38760 84769 28177 33011 61636
82867 35532 54024 38098 13799 67749 68865 20079 46065 63054
36510 56638 93147 97875 28271 70324 47956 99601 62053 95905
38678 97444 24666 13447 15621 47677 65084 88489 73210 16587
66509 12908 74337 25375 22988 10402 78429 49498 25067 41568
88126 23850 29443 84175 67399 96000 36228 53305 24678 23672
67971 28126 29294 83211 68859 82320 14371 25368 85228 78708
40743 98217 79111 37716 74090 24240 69284 52217 38090 88728
48616 12265 46127 34616 38494 89433 49295 52167 47404 67422
71461 43053 40633 69245 12953 73617 17282 88182 42325 48025
76399 11437 47198 75527 61438 63400 17745 89529 42128 56361
91795 78256 80978 20290 57689 20273 62457 95093 77695 23919
28147 83164 20060 11281 46781 27342 89464 79107 65368 55863
80544 49979 46072 54006 53817 33536 35508 15332 71157 25622
51453 81431 78079 36547 49126 91998 54694 47454 65163 64755
48736 82098 28201 71051 37467 74065 41596 30034 14044 77668
74041 21486 97577 32932 11666 26696 72823 18531 68150 44254
86611 94697 83381 68610 39392 20836 23773 94148 59573 15718
66246 77774 76769 93713 41839 13748 45884 76034 77789 43309
87521 65367 66241 89187 58276 82938 52011 66808 41089 86266
43420 25786 59647 55179 70483 15804 39327 20057 21522 95574
87831 88292 79288 19670 86658 83037 55555 52693 50826 88864
30214 45106 54470 18044 51414 11279 49134 27680 44699 64921
77328 36730 10100 37812 42534 39428 47869 54057 25003 25700
32349 94291 35371 67329 80926 51701 59790 71916 94896 71318
48820 12732 50099 42075 30413 84799 96996 97741 11530 97097
25553 44064 26526 63422 88122 41529 79122 10471 25821 83150
75419 51180 81306 25210 13096 75656 10106 74415 14476 77147
54576 35124 97560 29376 22121 85302 30906 64971 25745 54277
43093 57275 23400 43564 73097 17894 43044 46247 83314 84225
17554 98524 87321 83210 98631 51736 87687 91679 18884 32264
16803 51641 28925 81747 72547 28143 72602 27518 43889 16880
60612 91164 30280 94177 54261 38175 31356 00000

7992 kHz, 06-05, 1555 UTC. GRU test. 3 messages

11518 38503 86335 69534 61821 79717 32974 79384 28481 31480
29826 56827 60003 12390 54218 97136 78978 83595 43808 42142
80203 90650 81929 78315 84693 75760 96670 37865 22961 66368
99297 62512 18190 96448 32229 41164 65832 50711 62644 85659
97538 12648 88049 41756 99785 57027 15352 33594 89170 85556
14244 61099 53871 88937 26860 40542 80397 54725 53503 73375
11093 42801 25887 19283 29249 48117 50447 85082 88828 60741
76367 38791 95526 85818 13477 19120 64989 89033 23365 16089
32905 32949 63447 72700 77675 36075 78769 39752 51963 88052
59002 90080 28500 34085 68908 21593 84827 35275 17334 13618
33400 89437 36877 11981 44426 15105 00000

15910 25347 50516 38815 17650 73466 92263 80351 41141 89214
18966 48390 87963 67969 28470 92055 87378 18056 66882 12654
25391 70500 36055 18252 49937 62932 20234 84364 68843 35581
24880 97658 43231 88346 79922 13582 19487 59136 10009 19398
68103 48400 97361 26072 66870 93825 44249 65010 46904 17272
16050 00000

25510 72959 25525 65447 25891 35759 39812 84734 61340 54692
72393 94572 33039 42315 98155 42527 91452 98165 51925 49555
36565 39286 65628 93435 23111 63756 27684 14993 18766 64589
22266 34276 27548 37791 89724 43440 63550 19536 18175 14891
64229 80569 99463 87268 12885 87618 19795 94337 75784 61720
33892 91007 89521 85784 43277 52044 58059 21379 76320 75607
49171 56045 65582 17223 19811 87793 97077 97079 90678 74696
75016 40480 58595 98908 32829 39603 78430 33723 11708 32836
53752 50143 44216 20073 15751 83387 66118 17087 00000

7992 kHz, 06-05, 1605 UTC. GRU test.

999 groups, ends 99999 00000

7992 kHz, 06-05, 1630 UTC. GRU test

29305 68674 40344 14489 49718 51300 43188 14103 34107 87291
56073 79957 30571 29763 66732 80058 68012 71435 20979 65344
35295 36941 76904 69941 51739 70967 47127 71044 29641 77471
75533 69360 18771 73463 11456 32829 71014 10120 17088 71766
30692 36852 28499 94864 89934 11729 90443 45278 37024 17385
12183 96965 59124 73150 34093 20168 92792 85702 52152 10336
84423 15616 11793 76630 83719 65367 28065 10571 83866 18815
95436 38010 20545 75879 99079 47570 83264 34536 32388 64413
58629 42557 47206 50193 18259 89358 50530 92682 94974 52323
89935 61605 45924 87309 35324 35896 75159 14190 21332 28960
24735 87211 18039 62306 60476 86842 82864 63716 35471 15422
75665 23681 80281 16195 65256 58519 86299 16862 94444 63608
42187 85736 58983 68083 50895 63173 79415 69855 77909 00000

11100 10129 00000 05012 02149
74401 49308 10332 84928 13955 20672 17951 44270 66915 85091
36187 60172 26573 75444 36918 73064 72803 94105 95821 51843
40124 76560 90962 58076 29080 39421 36342 91844 94504 31153
94837 75672 35109 83624 69380 62425 58715 65274 88613 81848
54057 17122 65524 92871 22995 69503 88330 71072 88583 17751
97415 70428 88159 91581 87093 53831 16690 82603 27456 76070
35028 76171 31345 13641 75059 57699 67779 64821 23304 84831
57765 20672 97827 17269 99002 58900 95852 46315 56280 99010
24474 37862 76103 68306 44552 48706 85762 10623 73734 51934
31969 77376 16993 25162 25075 74773 17122 79897 88077 91954
27662 98749 79782 34931 87751 28682 20784 84505 64997 67065
73515 79472 94927 39618 37778 29480 78325 13541 30103 42060
55475 52072 62469 67235 24512 27242 74358 94409 56313 12072
94069 26095 37003 71821 44777 47788 46327 99775 69247 89781
39461 97026 29365 39847 46043 71438 39284 98513 28673 53796
15755 93032 38205 11076 39345 40278 95146 55440 67282 56967
90217 93294 79992 99924 93137 39240 79705 22599 26266 78967
20386 16834 98332 50234 52877 59770 79518 41390 78444 23314
47146 61476 51520 48222 90821 81798 33368 36261 39080 80336
16479 34150 63631 86472 24075 46769 15712 93780 59368 31979
62747 69755 38813 51079 81691 79507 13082 69294 92822 50229
20771 34342 00000

7992 kHz, 06-05, 1640 UTC. GRU test

11100 10129 00000 06051 01019
27221 90509 11489 98064 78768 71275 88644 20505 48963 70324
29390 71227 77128 25836 12868 96053 97583 75416 14197 60186
92935 48086 67067 43547 29251 87348 27725 73513 15523 44946
54022 17012 36393 42086 85670 15668 42325 45995 35058 13123
50894 99176 38478 71838 88664 54774 41460 45732 88321 60712
23080 24225 28603 40993 68248 35616 67387 32642 62550 93697
68218 26022 44308 93276 19575 47432 34171 15997 36609 62649
77835 29983 41314 22609 61444 77046 12156 90126 96978 26382
27972 84630 34346 85360 74965 56989 37910 58663 55302 96128
74685 89610 79405 84260 27043 90258 53652 56225 58094 73635
00000

11100 10129 12345 06002 01009
87539 70704 25079 54585 61636 27236 34712 48614 43618 33442
66587 18249 57789 41947 83215 69858 31878 50081 55986 96563
29691 25391 70824 46735 18967 51083 90387 65193 99177 54022
42732 59881 69102 87318 11517 86339 12030 50132 19958 35473
28207 83263 38668 78042 98526 23300 18123 44513 37815 59905
70688 74550 68873 11771 54937 24066 98960 56799 50830 58062
34117 52348 34401 36148 92481 44359 61622 89201 62567 34885
17869 53989 67290 11050 40909 67154 38865 90815 27843 49688
29615 48353 63755 20564 37313 10554 61395 85376 34672 60820
86225 44138 12443 65426 96705 37328 73296 40695 30255 00000

11100 10129 00000 06053 00569
69692 97985 31306 55139 60172 81417 72982 53588 21106 92598
91941 74862 19254 75416 54557 94631 48301 94409 50910 24527
28547 53353 79953 15252 80681 43250 45947 33932 22243 93545
79072 72415 64963 42055 16004 76070 24653 97945 40932 17815
62373 91831 96438 76240 37349 15202 94787 80702 85156 51384
84061 35987 42321 11350 59920 00000

7992 kHz, 06-05, 1650 UTC. GRU test

11100 10129 00000 06011 10039
A massive 1003 groups message.

11414/9317/7572 kHz, 09-05, 1015/1025/1035 UTC

=8161 18298333703070659	=80947 21360407110290576	=80593 267012885710930143
=8872 34107940302973363	=79148 99285243927160845	=83994 264149773790280179
=8693 212303133908622110	=82649 695606087411290108	=82595 897928209796180137
=8004 717191059046682159	=87450 87897950628397041	=79596 485474095284980112
=8595 84971363097107293	=80251 81162915469636567	=84097 857777118321061147
=8176 534472408175739126	=81852 63868380941604271	=89398 88428588262201189
=8217 75063446062095680	=82153 81199157541570063	=85199 358252894212741170
=8718 90811303525302574	=82954 9290299428252578	=883100376789140326951190
=9109 845332422015524150	=87655 98647030731873280	=818101727933514500613158
=87210 721856002966086125	=81856 20591521026785569	=854102615428449267325179
=81311 76386820827718068	=84457 98034334599500695	=878103298364879924027132
=80212 88896693750998546	=86258 59078571264091844	=800104690419760878438118
=78613 72792540046286486	=87859 781493321565918140	=84410500212605196079067
=85814 80746610515692099	=78860 053905296319079146	=78910688439463780057591
=81815 323263635450017100	=78661 01760549974197533	=849107492738234725638113
=86716 03547102782940762	=83262 03845482577142568	=787108067003516918942141
=84717 27753345647694795	=79263 468546705334041144	=87010997971842364740388
=82918 202016651740142110	=87364 774935500257285100	=884110289492256231809149
=80819 026023212118459105	=81865 34910416103060865	=849111676523850493825150
=78820 321817747545015164	=84166 91206877814131985	=85911215224685720402912
=84521 012606624990224110	=81667 011207966289913165	=873113345672700780248131
=86122 31253971483042161	=80568 531167505770501121	=83411488227947117377582
=83123 40868641391373847	=86269 818046071352115148	=82311595802318822902272
=81724 431979912453381112	=85370 428383722498959157	=756116586305210201137109
=77725 801062769044109148	=88571 11488924220881737	=859117522795075446498187
=83126 872957658454270108	=84872 755828935062806108	=808118149589532359403107
=80627 46304864402165776	=81473 027053795881445100	=877119755458245510422123
=84528 6885777619835875	=86674 02008805277708258	=80912054485066240475976
=80429 644404904061464128	=87875 31695493411237456	=86512199387009001840987
=84530 881235616155220122	=83776 85940927918211797	=770122211296288998843214
=83931 957750437699073104	=86977 290121445769702125	=81512371133039939439170
=80632 68957149402552972	=82178 76893468938821170	=83312447253925673259869
=81933 96258357157153898	=79179 820076495864329189	=82612567160725869065499
=86934 158455074154183104	=83780 83122060438674546	=874126999648776990117103
=85535 51874460588735636	=83381 523127326082747163	=77312728754328241455763
=85536 79376601845823477	=86882 74859883919400549	=878128899422441229233111
=81437 95812316793265364	=87483 021832040207061183	=829129644496487857607165
=81738 795641837729047101	=86384 87720006450229191	=80413043557566122244445
=81839 671431476030633128	=84585 65080241273131298	=865131994097349866348104
=85740 84535795827175574	=81986 842444518612583120	=78213248113969792886572
=82341 88742363442295280	=87487 94366091414661091	=827133876881201875862144
=88442 00403416420257091	=86188 48438375244542489	=83313486763281143630580
=89243 298154883331625969	=83389 358546065762916151	=83135545492629058384295
=81644 778616430567189100	=86090 652415615452907108	=78413665317188725372180
=82445 31739141499453762	=80791 012505901619082105	=831137691180580082337125
=85946 134029343452641118	=81992 552813919416133151)6911386241100000+++++276

11414/9317/7572 kHz,10-05, 1015/1025/1035 UTC, 2 messages

=8011 80217747536523392	=82923 803706618576673102	=82045 23148719332844534
=8632 383179047526598159	=80624 21549599870687071	=85246 89280866317317582
=8703 16976083574095293	=89125 617449841318159115	=83247 993819562716833133
=8484 98628666806116349	=78426 485233168495053100	=80448 17194879509794483
=8095 091167367180888104	=78627 28953048124650377	=77149 11237305489762540
=8016 665260433975708171	=80128 449070142505365181	=80550 41995156270199532
=7997 401320521495964114	=83329 510926308500000151	=84351 46387636551424167
=8368 539807818958982102	=72030 00000000000000067	=82252 52016081016454146
=7869 321062069989401139	=84231 798441217529704101	=85253 516646103147343150
=81410 40915600939706551	=81732 271434027045459111	=82254 54925911477974690
=85011 774943328784527130	=89433 43624927204053798	=80255 64886498733904369
=80412 47267443392512334	=81634 71088052512833789	=84756 700669600429536108
=86213 23864051594210067	=84535 56318399580674761	=82057 90030500062880361
=84714 666715147123305156	=81536 58154002004886295	=81758 9954772848410529
=87515 37189829353210262	=86037 763772006019404127	=83559 34751124570118264
=87216 990735948013497111	=76038 978480909937339123	=87560 41399286183612476
=87217 897055746235214146	=89439 479061956957000114	=80961 594277349699982112
=81918 707796753195359119	=82540 89661551379152135	=83762 800367800779363150
=87519 27028339676645390	=84241 34310568335845256	=87263 835141546777912167
=88120 169132955920748111	=85842 671501663033724110	=83564 62078602135042192
=85521 724531469894045131	=86843 915538673139093148	=83565 89181641030000019
=84722 040850920176380181	=80244 39837460685397243)58166 +++++++98

80217 74753 65233 38317 90475 26598 16976 08357 40952 98628
66680 61163 09116 73671 80888 66526 04339 75708 40132 05214
95964 53980 78189 58982 32106 20699 89401 40915 60093 97065
77494 33287 84527 47267 44339 25123 23864 05159 42100 66671
51471 23305 37189 82935 32102 99073 59480 13497 89705 57462
35214 70779 67531 95359 27028 33967 66453 16913 29559 20748
72453 14698 94045 04085 09201 76380 80370 66185 76673 21549
59987 06870 61744 98413 18159 48523 31684 95053 28953 04812
46503 44907 01425 05365 51092 63085 00000

79844 12175 29704 27143 40270 45459 43624 92720 40537 71088
05251 28337 56318 39958 06747 58154 00200 48862 76377 20060
19404 97848 09099 37339 47906 19569 57000 89661 55137 91521
34310 56833 58452 67150 16630 33724 91553 86731 39093 39837
46068 53972 23148 71933 28445 89280 86631 73175 99381 95627
16833 17194 87950 97944 11237 30548 97625 41995 15627 01995
46387 63655 14241 52016 08101 64541 51664 61031 47343 54925
91147 79746 64886 49873 39043 70066 96004 29536 90030 50006
28803 99547 72848 41052 34751 12457 01182 41399 28618 36124
59427 73496 99982 80036 78007 79363 83514 15467 77912 20786
02135 04219 89181 64103 00000

11414/9317/7572 kHz, 11-05, 1015/1025/1035 UTC

=8591 63222566279131247	=82150 50237901587768582	=86799 46999505238140841
=8742 89481612953647338	=82851 221233940431561151	=83210020839613889803485
=8193 741690305331359113	=85952 97599615211197783	=837101603694052773597130
=8534 266206809008808212	=85753 546702598725762136	=83310274708557484689995
=8135 419529405704483125	=82754 35249340110077598	=838103000291555182592148
=8606 21082262598719875	=82755 060314783951129109	=79010490274426405718784
=9077 128939997721677985	=84156 46950885696246976	=736105331835282291164119
=8208 524789772703748107	=87157 52226834888306064	=870106176881991681762145
=8509 75498815116782291	=78658 766504534728027149	=842107828416399456186127
=84710 053417139462259128	=78759 39786272211680336	=826108124991186427879158
=88911 860110905056387147	=80160 977444774249665107	=90210979939051440571082
=76912 326413092128189157	=85961 71523298643089875	=802110563824958742843105
=83013 729966001488143132	=80462 28151270197021233	=769111105640765266975179
=77714 097442625094979110	=86563 847824724415647124	=82511265372530082813473
=76915 130041693840244124	=78964 033032060081195114	=809113070913641070159150
=82316 729373209205640106	=86265 74860223400904388	=787114720525919267947108
=81617 839446183775748146	=84066 817863014262617127	=83111525468491080905679
=79018 55557709107954934	=84167 41007506340029238	=83611650262523311133380
=82219 587014215962635145	=79268 467254738006910101	=839117170196090092744103
=89420 29316510276024842	=87969 79770150094511365	=803118150517151451089159
=81321 301842668806645107	=81270 864027778139730153	=798119231401887122786170
=85622 351415382016423148	=82871 017303287518775111	=804120330428463403648182
=83423 414968237465313125	=82672 46345355036763672	=878121264501657059855154
=85924 027477864301895214	=87273 340739035493442112	=770122253595163068452182
=85725 62601414400243085	=89574 48273992826315663	=801123635303682833313149
=79926 176435150967173111	=84475 743155248497212131	=868124929963904639230152
=87927 88921985049420631	=82076 2534388694794888	=79012573640572257813669
=83728 545390480521531104	=80777 10950908727444941	=831126493212180509135147
=86229 69088362079192096	=80278 341607681610560128	=858127059179333487256116
=80830 63387717682665166	=80679 062006718251862123	=87012862455984266346087
=85731 796413096711878140	=83280 283217203003245118	=839129658924634724890274
=84932 248749225867092100	=85381 75602086060354773	=827130978748391843486129
=81233 853439458043583150	=84282 22122306825846571	=82613131858702348908484
=84634 92261268574522582	=86283 80116162443215410	=800132649561144599582113
=86235 35940683607218697	=81984 926804828056458122	=786133439603539920827155
=81036 623760573995286109	=81585 000501539823663141	=768134166000095786860124
=81837 85061608358282090	=80086 703949495016704131	=785135452024714863766175
=83938 764242827558946187	=90587 67616943592122699	=830136847562138899026142
=86039 557611390283727125	=78588 07582557318471288	=879137649243440964260131
=83940 97536603151957018	=83889 276394168280453153	=844138629001416441592147
=84641 510795192333192126	=78990 9964459999734533	=793139632066331197264130
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=79247 626168579208028110	=82296 589415071282763108	=826145093746543300000123
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=87749 90188327590463271	=81798 706169645627675105	

Starting 12 May no transmissions on link 09777 on 11414/9317/7572 kHz at 1015/1025/1035 UTC

13532 kHz, 13-05, 1020 UTC

Note from Danix: Encountered another F01. It was very weak on the European remotes, but S9+10 on a WebSDR in Barnaul (Siberia), so it could be from the Far East. Note that the 3-digit number at the end of each line is padded with leading zeroes instead of trailing spaces, but there were no differences in modulation. Don't think it's related to the 1015/1025/1035 one.

=8451 581637746604240154	=84322 220801379637065093	=81943 551345139271409181
=8402 130297487215012125	=85123 453281363452155099	=81744 475844609738031114
=8593 024795947996185133	=83924 649113035395367142	=89345 753577917853888075
=8134 338158728185327076	=81925 820451139502511055	=80546 787405083232121111
=8065 747387025487958068	=78726 277756695173983148	=84247 760397462045601112
=8156 306716008201232056	=85027 243927516860140091	=83448 315464472994161080
=7987 903936286331490058	=87728 525863840338798102	=89349 150869438618725167
=9418 958699834910358114	=80529 890366515413479004	=85750 766855829802786147
=8539 769541033942271075	=85830 342186077769235109	=82651 191665501149963087
=76410 670454181321695049	=85331 215951757312407098	=87952 584587013302261113
=83111 342690264995442152	=83932 066602999890496039	=89353 922643520329945126
=80612 557047259130444010	=85933 541291357820095100	=82454 310743467071737084
=75213 894567158234042119	=86634 383197906763004096	=81855 241040411835252072
=81114 131410584496429039	=84935 689398125137964069	=75256 720641585428594146
=84515 149461144018482103	=80436 320705425943257146	=82957 619460553375261101
=77816 265740658004944068	=83037 022651117668948140	=80158 464135720023804090
=80017 164773798416018071	=79938 682756401097220070	=80059 327774554314428183
=81418 401276274772964097	=80539 559763850545988219	=85260 368942819948591066
=87419 683198504386304140	=90640 381049963774423040	=78461 397241548690996159
=79320 952915100995455069	=85341 205752068234094105	=80962 581479726811703083
=81721 316593101486776087	=84442 212276070519372071)69763 6718600000+++++19

58163 77466 04240 13029 74872 15012 02479 59479 96185 33815
87281 85327 74738 70254 87958 30671 60082 01232 90393 62863
31490 95869 98349 10358 76954 10339 42271 67045 41813 21695
34269 02649 95442 55704 72591 30444 89456 71582 34042 13141
05844 96429 14946 11440 18482 26574 06580 04944 16477 37984
16018 40127 62747 72964 68319 85043 86304 95291 51009 95455
31659 31014 86776 22080 13796 37065 45328 13634 52155 64911
30353 95367 82045 11395 02511 27775 66951 73983 24392 75168
60140 52586 38403 38798 89036 65154 13479 34218 60777 69235
21595 17573 12407 06660 29998 90496 54129 13578 20095 38319
79067 63004 68939 81251 37964 32070 54259 43257 02265 11176
68948 68275 64010 97220 55976 38505 45988 38104 99637 74423
20575 20682 34094 21227 60705 19372 55134 51392 71409 47584
46097 38031 75357 79178 53888 78740 50832 32121 76039 74620
45601 31546 44729 94161 15086 94386 18725 76685 58298 02786
19166 55011 49963 58458 70133 02261 92264 35203 29945 31074
34670 71737 24104 04118 35252 72064 15854 28594 61946 05533
75261 46413 57200 23804 32777 45543 14428 36894 28199 48591
39724 15486 90996 58147 97268 11703 67186 00000

15933/13474 kHz, 25-05, 1800/1810 UTC
17424/15933/13474 kHz, 26-05, 1750/1800/1810 UTC

42158 98565 53697 46899 86010 98946 34917 18243 12206 93616
08281 92826 62535 25199 30228 44529 39771 49426 63784 85231
62081 25964 26381 72670 46055 52282 53009 94954 73029 14046
41888 67676 18406 50439 74850 04562 48636 57870 29614 47589
15585 80490 26137 67521 02929 60973 74243 70786 04299 49979
14710 73638 37855 97750 70987 29544 26965 76273 53766 20730
01686 05444 85549 49829 00740 81675 37442 92557 78657 26137
67521 02929 47790 44793 97646 43007 09872 42487 11896 89935
56817 08159 42150 86514 45447 75990 84679 15926 75830 42092
73919 94750 27917 66450 85952 59145 36170 64818 91703 99548
06872 13981 77026 29871 07783 18839 71871 02083 84866 14747
55722 02159 85740 03544 31494 88300 94562 46708 85071 57390
08020 64082 72683 50598 07129 11607 03289 34087 04520 36479
08180 15756 71891 33215 14972 83955 77338 49001 68182 79113
87226 11824 63570 34201 12299 36145 00000

M42d (F06) – FSK 200/1000

Link 16404 / 16405

17488/15823/13459 kHz, 11-05/12-05/25-05/26-05, 0800/0810/0820 UTC

[Link ID 16404, Date 6th, Serial #99]

1be9 4014 9e70 3cf7 aeea
878f 4a46 7b0c fd47 f890 100c e46a a644 a743 8665
5592 e51f 3448 34d7 d34c d970 f048 117f 3ea4 8598
8238 8894 ee22 866d dbcd 29a0 1880 6ef0 0282 3435
db1e df5e 1931 f686 55c9 17c3 0c40 3627 6681 000a
5451 979c 85e3 d774 9633 7e0c b3c4 9e0d 1d22 c840
9773 f010 16f2 7aff 66dd 9851 e645 8c89 adb3 2c7d
997b 2863 274c 123e e8f4 d596 90dc f40d 89a2 5871
60b5 b1f0 9d4c 01b4 228c 6995 9c73 d9be b779 6a27
834f 9701 d5dc 9498 584a 0db1 0d6d c321 15fe 6d8e
45b9 640a 9b79 76ec a3a5 da11 4fbb 5b49 8687 4cb7
a185 236d f392 d1e8 9bd0 0ffa 85b1 70b7 28cb 8a27
dd1c adc7 54aa e614 3693 7bf4 254d 77cc cf19 cc4e
5887 b57c 6ddc 2156 e998 9b50 652b e734 4805 742d
63c7 7fed b825 d0d6 4f41 2560 82ce 95d1 84cb 700b
5760 85c6 a834 fd35 7a1b 7e97 17d4 a809 36d3 032e
9287 b87c 91c1 8c26 2751 e609 deab a500 1e54 c800

Link 20492

14638/12156/10164 kHz, 11-05, 0915/0925/0935 UTC

14638/12156/10164 kHz, 25-05, 0915/0925/0935 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20492 : 11th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4

34244 00000 00000 01720 37104 34611 00893 46830

Link 20501

17433/15838/13426 kHz, 01-05, 1530/1540/1550 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 1st of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4

03948 00000 00000 00536 21447 36452 00893 52116

17436/15789/13376 kHz, 03-05, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 3rd of month : Msg Number 147 : Msg Type 07145 : Group Count (?) 4
26516 00000 00000 03011 16418 34229 00893 12666

17436/15789/13376 kHz, 10-05, 1650/1700/1710 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 10th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
03948 00000 00000 00461 21447 36517 00893 15838

17433/15838/13426 kHz, 01-05, 1530/1540/1550 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 20501 : 15th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
23864 00000 00000 01727 16418 33873 00893 36768

17436/15789/13376 kHz, 17-05/22-05/23-05/24-05/25-05, 1650/1700/1710 UTC

[Link ID 20501, Date 20th, Serial #54]

1be9 5015 eb4c c887 aced
a82e a329 ce5c a849 267d 471f d882 69fc c011 1cb4
0a7f 25a3 c774 0a64 ac37 b9f2 d1dc fa28 283d f090
7559 e6bb a487 717c a191 aba7 1add a58d e5f3 6e44
da5e 2f73 920f c845 fee4 f5fe 7c53 1067 7e82 5909
cbe2 ed14 9663 45d1 b3ef 49c0 3904 3da2 8cb6 a898
5015 0104 f467 1bd9 9a64 60af a53c 00d8 2927 ba42
c175 3d3d 830f 5731 6729 b68a 40c7 6c32 5ecf 256f
65f8 56a8 df30 b260 db54 b5e2 5b7c dbd6 2782 4ff3
3429 8f37 a785 8772 4b44 1fb3 8bd3 8123 bf84 f83c
58b9 eeb7 5b58 2577 85b4 e9ab 1592 2cd1 9c6e b9f2
e318 d60e 639b af67 271b c9b7 0259 b157 0595 b92b
232e 1458 6f02 c816 65cc 500e b416 8b70 5940 21de
ae37 3aa7 53f2 fade fda8 b6c1 c772 8ff2 4d13 77d0
e4d5 79ec 82a7 3d96 5312 56b3 4e33 58d2 2daa b1dd
b562 07b3 7bd5 32b6 51b3 e0c5 d07f 1de8 f553 9a53
d4bc 93d6 44bd 06d1 320e 3cc0 d58a a000

17433/15838/13426 kHz, 29-05/30-05, 1530/1540/1550 UTC

[Link ID 20501, Date 27th, Serial #55]

1be9 5015 9d51 0e89 bcf7
a002 a149 ce5c a8e9 099d 8d1f d882 4468 4018 1cb4
0a7f 43d8 0678 c1cf 6bf8 6689 57db e5ba 4219 ef5d
37d1 be3b d822 ca27 75e7 5e39 9199 8647 ad44 70b9
50ce ced2 d9e8 e6a3 5bd6 cf62 e7b2 07fe 687a 3e0e
d98e 248d 2189 d263 6786 67d2 8dac a824 da03 6773
da31 41ad 7095 3e0f de43 8268 2fb6 e674 db9b 00e5
db00 0fec 4cd4 8ea9 72e9 f47c 5b99 fa55 3031 efd
9b67 cd36 d34b 9522 27d0 dee2 20dc 73f9 72d7 91a1
29d6 7452 36de 6832 0ab5 bd35 1996 6d09 c700 ad61
fc3c 99e0 8a62 4751 3122 b21c df6e 8c7d 1e0a 8ac6
2db5 7f59 ec04 c82e 541d 8e21 4778 7098 976c 4aef
1fbf 28be 6653 e9b2 cdb9 f817 d63e bd5b e775 b539
75d6 55cd f165 f1a6 447a 73f3 c0c1 8d59 aeed cbb2
eb08 1943 d1ad 5dda b532 2e13 5956 7043 0739 7a84
7687 2752 f041 b9dd 46a0 7ee0 5be7 0521 f753 57ef
2e8e e794 60c2 29cc 1fef f066 b050 79d8 3581 65de
7139 06db 2d46 62c7 d81a 8000

17436/15789/13376 kHz, 31-05, 1650/1700/1710 UTC

[Link ID 20501, Date 30th, Serial #56]

1be9 5015 7e7d 2c96 bcf6
9c85 88f2 6f7c 307e 703b ad0b ea1c 89ba 08f7 520b
8d45 ebb4 54d8 7744 8ea2 90c1 876a b0ee 63fe f920
5a9d e21b c2c9 03b4 a3dd 949c 8f73 db2e 8336 6097
3998 4293 c701 3c16 cbca eeea 6d58 8bd1 3c5a 56ed
b070 631b f0d4 01c2 020c 1706 69da 2cbd 3380 f3ff
7d56 089a 9b73 d468 6ad4 ab20 120a 36f5 e41e fc98
8c2a 80db c281 03c8 19e8 3623 eac6 a28c bc54 578a
b137 0a05 ade8 8611 11b9 6755 7d0e 9daf cf51 92b6
794a 0c1f 3903 c32d 75a8 7665 8239 c5aa 630c bac5
c8ab 0af9 d205 a25a ee11 531f 6df9 59b9 5974 1486
0046 a358 8ca2 583e c0f7 af79 4560 ae3b 0703 4b08
f917 c52a 698f 63f3 8533 2178 871c ae10 30f5 573d
1359 242a e50c 63ac eb55 c07c 8679 c0d8 f64f b78e
6c9b 736a 0fcf 2d1b 47a4 41c7 a01c 9d46 9ec9 8086
133b c965 6d74 f896 6b8f a67d bce7 ef4e e9c9 1f72
a07e 2498 0277 dbb6 8b78 a2c1 d4a3 07d6 f9d3 203f
625a 4491 6e42 ed07 88e4 a627 a290 7c77 c7dd 27a2
7946 a04a 8000

Uncommon instance of a different message being sent on a Tuesday following a message on the Sunday slot. Why is this ID so important lately out of a sudden?

Link 32799

19609/17461/15923 kHz, 03-05, 1400/1410/1420 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32799 : 3rd of month : Msg Number 105 : Msg Type 07145 : Group Count (?) 4

62132 00000 00000 03733 29865 00656 00893 10944

15923 kHz, 10-05, 1220 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32799 : 10th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4

02500 00000 00000 02871 21819 34020 00893 28554

19609/17461/15923 kHz, 17-05, 1400/1410/1420 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32799 : 17th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4

46532 00000 00000 01331 26836 33384 00893 44635

17461/15923 kHz, 24-05, 1410/1420 UTC

Msg 105, 24th of the month, Type 07145, Link ID 32799.

36124 00000 00000 01340 26836 00051 00893 46075

17461/15923 kHz, 24-05, 1410/1420 UTC

Null message: Link ID 32799

Link 32816

17418/15673 kHz, 05-05, 0600/0610 UTC

Block No 0 : Total Message Size 69 blocks : This transmission contains one message.

Block No 1 : Link ID 32816 : 30th of month : Msg Number 157 : Msg Type 07145 : Group Count (?) 215

58133 05089 46326 27489 59615 37217 40642 19056

15673 kHz, 18-05, 0610 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 32816 : 18th of month : Msg Number 042 : Msg Type 07145 : Group Count (?) 4
22796 00000 00000 03977 55757 33203 00893 54536

17420/15673/13361 kHz, 25-05, 0600/0610/0620 UTC

[Link ID 32816, Date 21st, Serial #66]

1be9 8030 f75c d2a5 3eea

449f a5e3 e778 7bcd 3845 57b5 915e 69d3 ada5 9f25
a72b 1883 7abe 1b63 2d29 ace7 7827 6556 6b03 8ff5
5a17 847a 3451 1d20 d88d e92c e5a4 0ece 0197 e7a4
90f5 d547 5581 2516 be2c aec2 de32 2f41 f945 0ca5
dc63 eeb9 7b8b 7d89 d9de aabe 817e b571 5932 cad7
5f91 4400 853d 1695 b5f6 5914 74fe df03 263d e095
464c 6695 324a ae5b 33b3 364a 0701 d171 1fc9 8c5e
992c 9710 22d8 9556 331c 3f57 edd1 b741 9410 21b0
1920 ff8f 6794 b349 c077 a6a0 596c 812d 6c7e 9114
8c04 2e15 f708 7687 5f42 6cd4 fdad a4d3 87bd e0c7
6848 118d ee87 073e 8973 ceae 0dc1 3b5c a825 b8f1
e3c1 1db7 a9ae 9fb0 7b36 5486 3378 86dc e474 cdb2
0397 3843 6656 abdc 8e42 e249 fb40 18a9 b4a5 c024
a387 d634 2f8a 9e36 1b28 c764 6587 c2c6 6466 88de
a9b2 bb47 74cd b76d b566 810f 7484 d68b f1b4 6923
4cba b5ac 4348 3a6b 9a72 5ea8 12a6 2210 ec6b 4aed
960a e700 d431 5dd9 564d ac4b 5bc1 7895 8ab0 ad86
0946 21fd 4ab2 70cb 9f1f 6fcb f216 9f71 a888 66a7
14cf 0f3e 664b 5a38 be3e 5a67 007d 4fd0 c1ba 0b09
b291 e7c4 90a0 276d 8a82 fea1 e5a5 fca1 d3a9 d550
a611 289c 6173 dbe1 9977 35bd 3485 ea8d 579a 294c
1605 67f7 b2ee 5673 6f1d 7a08 7b66 01bf 6870 b820
2135 bb86 fda7 2331 2197 1008 e2a3 e5d4 732c c067
7308 cffe 5a30 522d 5443 3419 a68e 410a e746 cf55
47ba 7cd5 da9d 2a98 10e1 8cd2 e9f9 8377 9539 6b09
f404 6587 6341 3cd5 375e cdc4 2379 3396 7a6e f8b4
9831 d804 8153 0ae6 047a e6ad db00 f494 5fe6 a0ce
154e 346c b9c1 68d8 7df1 40d6 96eb 5460 8360 7517
ae2b a684 be1f 48b0 7a29 86a0 3c13 bb40 a437 123c
56ae 7280

Link 32821

18751/16174/14563 kHz, 14-05/15-05, 2100/2110/2120 UTC

[Link ID 32821, Date 11th, Serial #24]

1be9 8035 0f6c 6e3c 5ee9

2597 a4b1 9056 54a1 40b9 d622 310d 57f9 2ab0 ae16
44eb 4bb1 8e65 2df7 e791 3982 e71a cab3 7a00 ac8b
eac6 42cc eab9 6ac4 d0de b60b a8ac 8fc8 72f4 0032
6581 d2f8 fa21 4a7c af8c 26d3 fd05 0ef4 0369 ee26
8dce fdd2 fda5 df44 30cd 7906 d196 5641 6bde 41cf
7a80 cfd5 dbc8 af8b 8ec7 405e f3b7 9c28 ed47 a5d7
8ad6 a021 0880 8e36 4235 a1b6 6005 48d6 a1ad f08b
ea50 d476 6c85 bd14 a392 85a6 f5da e738 6db4 0311
02de 1c31 c878 6abd fb86 4c80

18663/16344/14869 kHz, 14-05, 2130/2140/2150 UTC

Null message. Link ID 32821, Date 14th, Serial #1

1be9 8035 990c 8c02 04e1

14563 kHz, 15-05, 1540 UTC

Block No 0 : Total Message Size 1 blocks : This transmission contains 0 messages.

Block No 1 : Link ID 32821 : 11th of month : Msg Number 060 : Msg Type 07145 : Group Count (?) 94

03948 42161 09623 38715 22795 34817 01071 19309

18751/16174/14563 kHz, 14-05/15-05, 2100/2110/2120 UTC

[Link ID 32821, Date 11th, Serial #24]

1be9 8035 0f6c 6e3c 5ee9

2597 a4b1 9056 54a1 40b9 d622 310d 57f9 2ab0 ae16

44eb 4bb1 8e65 2df7 e791 3982 e71a cab3 7a00 ac8b

eac6 42cc eab9 6ac4 d0de b60b a8ac 8fc8 72f4 0032

6581 d2f8 fa21 4a7c af8c 26d3 fd05 0ef4 0369 ee26

8dce fdd2 fda5 df44 30cd 7906 d196 5641 6bde 41cf

7a80 cfd5 dbc8 af8b 8ec7 405e f3b7 9c28 ed47 a5d7

8ad6 a021 0880 8e36 4235 a1b6 6005 48d6 a1ad f08b

ea50 d476 6c85 bd14 a392 85a6 f5da e738 6db4 0311

02de 1c31 c878 6abd fb86 4c80

18751/16174/14563 kHz, 07-05/21-05/28--05, 2100/2110/2120 UTC

Null message: Link ID 32821

18663/16344/14869 kHz, 28-05, 2130/2140/2150 UTC

Null message. Link ID 32821, Date 14th, Serial #1

1be9 8035 990c 8c02 04e1

Link 36882

17463/15648/13425 kHz, 01-05, 1100/1110/1120 UTC

Block No 0 : Total Message Size 27 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 28th of month : Msg Number 120 : Msg Type 07145 : Group Count (?) 174

06009 14809 10352 05642 31234 02728 45346 01544

16354/14536/12218 kHz, 14-05/15-05 1100/1110/1120 UTC

Block No 0 : Total Message Size 87 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 12th of month : Msg Number 122 : Msg Type 07145 : Group Count (?) 86

48860 13840 27542 07076 43092 41954 62216 16866

[Link ID 36882, Date 12th, Serial #49]

1be9 9012 bedc 787a 56ea

6b96 3610 b71a dd39 06c4 1cef ae11 e326 5d41 2bfa

e6da 9dee 6571 aa12 c9d7 a6a5 8bee c36e f982 e0b8

7ef0 dd90 a691 9512 b9e3 2221 c8a2 7e2b 3d97 9e18

a0b7 eb4e 5875 9cde 1ea4 e291 0560 70d8 f608 bc55

ee55 61a6 5ee6 fa11 6170 8b62 93c7 039d baa8 cf37

0a04 5978 139d 000f 32ee d169 5031 8571 a30d a5c6

99a1 fa3a 5806 ba23 ada5 c76f 5f60 b2f4 fad2 cb17

5569 1b90 7bfc 73f3 8e8e 23be 90f1 2c17 b628 be7a

4a69 0de2 4ecf d7a2 f6f3 2a07 5150 82b3 0905 b92b

0676 1662 1e68 ecef 82d1 6235 9383 2c26 9dc1 90d9

97dd c09a e0eb 057e 51c5 5895 c6f5 907e 6511 072b

c9bd 3c79 ab12 dc18 ecb0 2743 820d a7f6 60f6 8a08

34b7 a610 e623 753c e63f fa03 caf9 3068 82e8 5971

fa57 cdd5 0e75 6c81 2f74 cbfb 2535 080e f29a ae67

0feb 9727 ab51 7a0b 55b7 a0db d7f1 c9e7 7443 40d9

f95e 5a1d 1e15 48ce a575 fc22 b4c1 6da7 a968 67cf

2231 36b1 4da5 1c4e 64ce 48ab 1957 dabe 05f4 f410
c8a1 4d12 0e61 6910 790d 9dcd 9ed3 c1cb 7b89 a982
a25f 9eee ccbf 5a87 2977 a7a6 c0fe e033 0fea ccd6
9b33 f850 55be 4758 3d50 fb47 8d45 af44 13ec 8c08
cb65 Oddb c3d8 6319 fe28 37cc d830 b830 56cd 180c
b254 8c59 b783 d6e2 c8fc c902 a766 7920 edf0 021b
9dc1 a1e3 b4ea d8c5 f243 9ac8 4bf0 bd2f 13a1 b272
75e2 59cc 7d34 a1b8 cbce 5c4d d11f 2d9d 9243 6723
45f9 710f 0f82 240d f01b 49b5 78b0 9163 4c83 13d8
78c5 0b3c 2ac8 1bd1 bf7a c808 b808 dab4 9044 daf3
0fb2 5120 44cc b54a a51d d0c9 0976 fd61 80dd a92a
64fb 15c2 cb02 c68e 86d1 dd20 57a5 829a af7a 2b3b
7aa2 9517 f132 5b1f 703a 55dd 33dc 16cb b3f3 79b5
eaed eebe 4e49 c239 a07c b6f5 0f98 2db7 147c e986
ab59 f566 2ce3 79c2 00d6 9501 38d6 7818 6b96 2d88
274f 7cfa 166f aa51 d9ce 6dd3 fb23 0e55 51b0 92e5
4ca6 d383 bc35 7b09 a5dc 6169 f284 58ad bbd2 0132
c6d1 8068 f59f 03cb ce2b 2e1c 1bb6 a0b9 3a62 7b37
0bf0 39b9 86cb a44e 6de0 a970 7e1f 6344 8f93 02be
721c 0674 170d 90d2 17fa 0cd1 9876 4644 c814 db4f
3148 fcc7 d77c ab49 3c8b e296 a6f8 c224 e9ff e5cb
2ed7 294d ecc9 15ce 3c7e 0e0c e746 e85e 5654 fd68
1ce6 3333 29ca 9e52 6781 a8ad 5017 2074 d62a ece8
950e 797c de21 fc46 15fa 9f83 9a38 64ab f2ee 1781
27e0 1996 6c14 531c b4e0 0c6f 1553 9eb9 9173 9f9e
8334 79ea 5764 fc14 c8f9 6880 b053 0ce4 0633 195d
4d1c 23e4 c4a9 8cf2 08e0 4c70 00c1 b8b4 aa31 3882
631c c7dd 1aba b861 f9d9 25e1 b93b 25df d7f6 5e62
2868 6f26 efd8 050a 1036 b2d7 a6b1 59cb cec6 bad9
3a97 3a82 e976 5baa a166 b5db bc63 030a 82ba 2862
a3b3 d24b 195c 59b5 69f5 25c8 b09a 2125 8acb b52a
8c05 efcf f45c cc3c 80de e7e6 4c8c f892 30e2 8be0
d88a 967a a364 fdc4 6390 a198 210b 050d 130e 99bd
ee92 2330 6c67 2558 bc80 f3bd a479 fe37 12c0 3880
638e d5fc 9f84 5e81 1b0d 2b87 970a e678 7b22 0310
615e 81a2 9ab5 c066 6113 17e3 b96c ce33 0190 b129
9c81 a5a7 8087 b28b f007 47f7 1b34 7bf3 c697 3092
940d 3e42 75f2 d058 820c 00f7 b269 a6eb 92d8 b34b
c1f9 cf2d f7de 10d5 ee9c e541 7716 5413 ce5e ff00

16354/14536/12218 kHz, 21-05/22-05, 1100/1110/1120 UTC

[Link ID 36882, Date 20th, Serial #50]

1be9 9012 b7ac c87d 52e1
6692 3b10 b99a dca9 4214 6cef 1211 cca9 9d59 2bc2
a6d9 fe07 59cf c9ab 05dd 2cf5 1769 fccf 854f 8fea
3b6c 9286 2b75 b2b3 dae1 df03 6246 33dc a793 2812
0d08 226c 81e4 6249 a67a 2e23 1fc2 04c9 2a89 182e
6ff1 3cb3 cc31 dd53 a235 2f38 3cb9 0687 0677 5597
a639 9440 2f44 a85d 7dcd 8248 df70 ecd7 745c 1856
212e 2949 c322 8132 1f79 aa2a 446a beab acc0 5405
697a 50c8 2c36 2ed8

16354/14536/12218 kHz, 28-05/29-05, 1100/1110/1120 UTC

[Link ID 36882, Date 26th, Serial #51]

1be9 9012 9851 047f 6ce7
1978 b890 b768 d534 289c a8ef ba4f 1ae7 a895 2bfb
ac15 b54c 53c8 72c5 a436 1348 6174 4a0d 99cd 7b1d
9895 db9d ee90 15ce 5640 ff38 b9e1 813b 03e5 9c00
1ad4 eaf2 28e9 237e 8374 05f8 1759 f910 d975 8b56
72f2 2d8c cc98 9561 8c7b 3a72 16a3 8aa6 7a35 52eb

c605 e7cd bcf1 d493 027e 0694 28b0 9e09 8d66 860c
cf02 748a 8c7c 42d4 9148 34ca 4d4a cb94 68e1 5ead
9010 7a52 411d 8518 ac59 830c 175a d0c9 b548 e191
0d0f 3df6 c9c3 3c76 acec be30 c062 4e5b b6ed 14e2
9cd9 5564 d657 b307 7067 7dc5 b94b e91b a580

Link 40988

13378/11096/9129 kHz, 03-05, 2300/2310/2320 UTC
16189/14408/12191kHz, 06-05, 0600/0610/0620 UTC

[Link ID 40988, Date 29th, Serial #68]

1be9 a01c 82a1 22aa d9e5
a0ce 7544 5077 1672 f021 a25d a501 09de a6b7 5179
56bf 9f3d dc7b 13db 6fe9 9456 0f46 bd8e 9020 4d4a
0118 54f0 def6 2d1a 2e84 2944 e5dc 2a34 6915 1e31
40b2 096a 9598 acf4 e704 8c3d e1a0 6cf0 7390 88dd
aa6a 5e99 bab5 8d09 7ade 6c09 e346 d099 30ce c704
58f0 99a7 4de7 65a1 e10c eb9f 9ae7 4647 4fe7 a091
42b4 e9dd 7f58 9550 2d42 765f a1f6 b117 baf8 999a
5982 6277 e282 1cec e553 76ed cab9 8e73 1a93 df09
c589 282b d2ae 745d 2e53 eee6 96a4 7efc 6bf5 e029
d8c6 2126 2696 13e9 7df5 3f76 5382 8808 98c7 4814
ef68 978a 9046 d3f5 2b19 0274 e3c7 3e93 2365 3d5c
e656 1522 c805 36a8 d7dc dc0d b93a 287f a57b 9353
9ef9 acea 3302 ce9a 5a52 1aee aed4 52b8 7952 c364
2d4f b1f9 d615 f5cc 8b24 ac28 be4f a6ed 88b8 bee9
c269 3aa5 5e61 953e 9df9 958c b256 a6e0 59c5 db9b
07a9 88c1 d9d1 b8ef f318 88e3 5b97 dcee 4a89 8d20
2ae9 4ca5 2ed4 3087 552c d30a c70a 62ce 66a6 2f86
96ef 4f1f 6eb8 5c53 e3bb 16ae 23c7 5844 cf8a 9624
7ae8 9faf 568e 2ff8 330d da7c 2e65 57e5 0b04 1f73
65a2 c033 4bd0 3d43 82e2 433a 4785 e7e6 35c0

13378/11096/9129 kHz, 17-05, 2300/2310/2320 UTC
16189/14408/12191 kHz, 20-05, 0600/0610/0620 UTC

[Link ID 40988, Date 17th, Serial #69]

1be9 a01c 59a8 aaac 5af7
e4f9 8cd6 910a 3140 7aa9 7ba3 1f9a 46c2 cb58 0aee
b7df 3b4d 0f11 a405 67ee 0922 170c 96a6 e086 7fea
177e 3ca6 e520 9b03 ae7a d5c1 d8cf 33b7 f9aa c2c0
2ee4 3b31 d734 553e e0b5 3575 d236 65d7 6bc9 8003
19a1 65bc 2a5d 9d32 c137 ac2d d20f df4b c657 5292
8267 9d3b 0590 5da9 589c e705 d1f2 7bc6 b676 088e
4a1c 2466 918a 671f 9965 ca64 0408 0a30 73e4 dcab
12a9 7277 c780 e0a4 fa58 ff81 1dd5 ba71 e1f5 0f78
0f18 3f15 11ba f3f3 b7ea 57c9 a6fc ae2c a145 1519
5b0e 021e d753 ed10 b720 3176 b496 47be 90a6 13c8
3809 d781 3a1c 4e74 09e0 a6ce 0e79 d2d3 7e7b e698
2228 ada4 a9b1 a411 abd1 44d0 ed11 36d8 8e14 68d0
ed66 4e5c 0066 22aa f90c Odd9 ed20 c6f4 12ac ccf8
3243 13d2 d270 f366 49e1 Odfd 8571 b317 8122 122a
bc3d 21a8 32ed 9717 2437 5157 5c18 2254 7490 b50a
63cd 1d36 7f6a 91a0 4d61 ea04 821f 8567 2a01 7016
c6e8 7025 4c76 4dc1 b1ba 14b2 c86e 649a 188d 8116
6102 a0d1 ea4b b984 0acb d152 e509 d62f 0852 b405
7255 8a74 c6c9 4dc1 d708 5660 e92b 68c7 331c d640
ecf7 85cd af17 b2a9 0103 275f e3e0 c484 5516 eda6
45d6 fb77 7685 4b59 2837 d287 8283 5cda 913f 400a
39ee 1122 5d58 7f90 732e 6a0f 7268 d9ab d083 9a4d
eef9 d56d e553 65eb 162b ec65 6e86 a3bb e80c 258e

d64c 7726 6b20 ae42 05e9 3bd6 eaef c51e 08d8 1be0
08b6 5c6a 1b28 3392 8c62 4f4d e043 27dd 409b 0abc
8fa1 65c4 1876 9d57 cefe 0a8e d1ff 78d7 8ef3 a1bc
ab49 b2a3 ece1 60f7 c4b5 752b fa58 4931 00ce 4b44
58a4 cdb3 cd81 5340 08c2 ad34 c8e8 7238 34e5 d931
7c89 5fe5 a26f f071 fd36 cde1 5fe3 e8f0 8a54 7ba1
2352 105f 750b a843 926e 4045 a084 b4f5 0116 7949
509a b622 f3a3 7152 866d 530c 6c0c 5818 c15a 8d17
ba3a 8286 8ce7 0a3c 9712 c00b e262 4914 5e64 ae72
b658 4526 24aa 78b6 94d8 9bfd 599b 810d ab7e d01e
fdf6 6951 069e 7970 8e71 9f2e b6b9 3a93 321c 1f13
13bb 126c 7339 4aa1 be61 08b8 9b3e 959d 357c e189
1e5f 1669 9763 085d 1a8e bed1 6fd0 cf44 47b1 bc38
cd10 cb23 168e df14 050e e739 ef4f eb62 3288 8824
d995 e281 03d0 0955 ff81 9c1b 0487 6bb7 b616 f379
e46e a3e3 1659 4556 d644 c345 cbf3 0ce0 e86a 3961
8ec2 2bcf 1cde d4a5 0b89 6657 9689 0a08 4200 a667
2989 cf30 8241 be6f 07bd 25c0 b4e2 b568 b287 3557
b238 2754 d36b 2946 6969 0173 a141 d5fc 96ba bdb9
ca4b f362 0db1 4c60 4ef9 b415 29e4 7ba3 2d31 9e3c
3ee6 5a88 2673 4b00 b390 2cb3 2cfa 6cf3 ac54 18d5
c82a 42c1 6093 3885 d3c9 02aa 5673 35e7 5e4b 7c07
7f32 e3ad 79f1 a0d5 3f1e 6418 54a7 3b49 13b1 f900
d905 5026 e3a0 efd8 47ac f89f ede8 e2b4 a016 1687
8d53 2e35 4f74 ea09 44d2 8ebb 53f5 7e59 114c a977
509c a67d 64b9 a02e 5cc3 ccb7 26a2 45ca dfcf d20d
9c39 63b5 1ce7 9c4e a592 5a51 a260 372b 2715 5907
64cb a1a1 0de2 dd9b 0df1 34b5 11c2 0435 cb45 07b0
0076 4252 2ac9 771d d7d8 1ef5 98ba 1e41 51b6 e524
b42a 6313 70a6 00af 3e48 f367 1fe6 8088 a365 8f71
2769 3824 006e 36f0 2578 ee32 d459 efd3 e5f8 ec4c
e256 bc99 23d1 dae1 8687 39e3 95c1 0252 1b49 f023
84c7 1442 cef0

13378/11096/9129 kHz, 10-05, 2300/2310/2320 UTC

13378/11096/9129 kHz, 24-05, 2300/2310/2320 UTC

Null message: Link ID 40988

Link 45057

17526/15818/13396 kHz, 14-05/15-05/28-05/29-05, 0900/0910/0920 UTC

[Link ID 45057, Date 12th, Serial #83]

1be9 b001 b5b4 78cf 9ce3
301b 0d56 080c 6ac8 e6e8 a00c 31a1 7347 2cf4 105a
06fc 7338 43e1 7988 b661 62a9 41b9 ae8a 29d1 0077
0ae8 f884 a9d1 18a7 816b c4f8 b1f6 8a54 af6d f538
9850 65ee f916 409c 7da5 79c9 c4f6 9af6 3876 67ef
e446 473c e8a0 6904 69b9 adca 3280 cfc2 a52b 24b3
0818 dede 3c85 b8c7 6dd6 869b 16f7 7148 ba2d fe88
9c17 c307 6316 14f8 a5e7 a3fe 0214 af31 eea1 cac6
9003 4b58 70d5 3817 a78a 2e86 060a 686b 3ad9 61cf
8b55 6561 f9e6 e3d6 8a1d 5e46 2f9e d36d 989f 4708
32a4 5aa9 2803 7dbc 87f3 1d49 f367 4867 ab3b 4df3
0d6a 4923 5c01 e788 511e 4b4e d904 1d69 e9c0 5a67
949b 26ec 8ef2 ac20 a55b 9420 c5bd 3244 386b b76d
7963 937a f598 fcd0 d6cf 3335 4592 c970 0aca 4544
b716 9953 9fd3 5cb9 7432 376d 5913 5212 259c 9909
43e0 46c3 8700

Link 45075

15993/13581/11494 kHz, 04-05/05-05, 0800/0810/0820 UTC

[Link ID 45075, Date 27th, Serial #7]

1be9 b013 c5e9 0e11 d1e1
fe62 ae63 f1a6 2708 d477 c701 7574 a322 f258 5a42
25cf e091 f5bb b4f9 95c1 c0a5 a65a 7768 cf65 6b90
7e8d 1498 0f27 58be 274a 75e8 4896 4e1e bc00 17c3
a519 7c67 9f28 33a5 f3cc 9729 11a7 6218 4e49 ff41
febd cdb6 dc06 2102 6d36 f276 58a8 da2a 1e72 18a3
d209 d9fd 2db5 8546 4fb3 555c 8268 9b03 792a 3497
083c ae86 66a5 c608 52d6 c2a5 a3c8 3a56 9c1d ae0e
a67e 9193 cf25 627f d948 bbd3 99de 3180 fa74 6498
3114 39f9 f261 57e9 d7a9 4540 4cbc 310b 0460 7ad6
2187 4c6c b117 0720 30a5 35fa f4ee aff9 398c db05
eb90 9aba 5807 ab7e 7a54 4f86 5f22 3795 19ae 9a9e
c600 99ae 993a 89c0 2a81 e9b2 9416 d8ee a3c2 d7a6
b994 3154 b5a6 8859 0dda ac2a 27e8 da15 2094 3d2c
af5f 03a4 352c f54d 1cd6 5668 2203 4acd 8d1a 2707
eacd 4f10 372a 102e d7d8 0d94 e07f 6f42 05b6 9d77
dc20 9e21 0bb9 ee15 9e5e 7746 b7b2 7782 d3bb d291
0778 601c d445 8d90 304e 5864 d9f7 4a29 9d71 a396
5fe8 d692 f36f c0da 0733 9866 5e85 e3d3 1244 64b3
e173 eb8e 8a1c 6d15 5a66 81e0 44f3 810c 354b 80a3
4072 af00

A note from Danix:

According to my records, the last 45075 message, with serial #6, was sent on August 13 & 14, 2014. Definitely worth highlighting. Interestingly, 45075 received 4 messages between April 2014 and August 2014, and then none whatsoever until today.

15993/13581/11494 kHz, 11-05, 0800/0810/0820 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 11th of month : Msg Number 027 : Msg Type 07145 : Group Count (?) 4
06884 00000 00000 03103 09055 32965 00893 48950

15993/13581/11494 kHz, 18-05/25-05, 0800/0810/0820 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 18th of month : Msg Number 055 : Msg Type 07145 : Group Count (?) 4
19968 00000 00000 00565 21930 03527 00893 42284

Link 45079

10169/8169 kHz, 01-05, 0410/0420 UTC

Link ID 45079, Date 2nd, Serial #1: 1be9 b017 8f6c 1402 04e1 Null message

11414/10169/8169 kHz, 16-05, 0400/0410/0420 UTC

Null message: Link ID 45079

Link 45114 / 45115

17483/15828/13420 kHz, 14-05/15-05, 0800/0810/0820 UTC

Link ID 45115, Date 12th, Serial #30. Block #7 was corrupted in the 0800 UTC TX. Not in the two other transmissions.

1be9 b03b 73d8 784b 7eed
97f5 0f09 bd95 b827 f6a8 09cb 2f07 2fec f2a3 c238
5777 aef8 9c5b 2709 ad75 d176 3b85 8560 7042 8cf2
c821 60be dec8 a8ca 67d5 d590 c18c b7ba 2e72 3577
02f2 55c7 27b9 1a72 01c9 13af dde8 81f2 7873 3a27
5f7f bc5e e6e0 ebf8 9f8e 4366 29f0 f936 2968 d96e
59f6 a44e 8c72 3918 1317 18e1 0616 5a03 da59 3274
10c1 0a72 6751 6384 e379 dc52 d8f0 000d 00e0 8514
2dca eda5 2c52 492b d129 d9e2 588f d672 4ef3 ec8e

af39 e6a3 172b 94a2 4770 4cc9 be84 278c 1749 1903
85e0 0c36 1553 0cae c750 8e72 0312 c639 06aa 3542
ae58 b3a1 cd0d 8e91 0ee2 17aa c125 8ca8 bc94 c155
6772 dc9a c8a7 7cb1 0319

17483/15828/13420 kHz, 28-05/29-05, 0800/0810/0820 UTC

[Link ID 45114, Date 26th, Serial #31]

1be9 b03a 5095 044d 36f2
cb76 97c9 bde3 b0ab 7800 95cb 3b5a fcec b037 c239
1b22 eb72 d75e bdc9 7b1d 5947 d23a b3a9 534c 00cf
a5c0 cd40 1af6 f7f4 eb1c e617 e49e bb7f f6e8 cc51
189d 0d9d 906b 3140 fdf1 94ac 4541 cd5d d849 5024
6f44 3d2c 91cb 2203 1e04 46c8 48c9 476b 3400

Link 45136 / 45137

11163/9271/7532 kHz, 02-05, 0700/0710/0720 UTC

10523/8129/6947 kHz, 02-05, 1200/1210/1220 UTC

Block No 0 : Total Message Size 32 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 28th of month : Msg Number 027 : Msg Type 07145 : Group Count (?) 213
07681 21960 24129 09449 58024 33065 16390 23495

11163/9271/7532 kHz, 03-05, 0700/0710/0720 UTC

10523/8129/6947 kHz, 03-05, 1200/1210/1220 UTC

Block No 0 : Total Message Size 67 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 3rd of month : Msg Number 030 : Msg Type 07145 : Group Count (?) 123
44080 18626 24396 34353 58024 03612 48667 40179

11163/9271/7532 kHz, 04-05, 0700/0710/0720 UTC

10523/8129/6947 kHz, 04-05, 1200/1210/1220 UTC

Block No 0 : Total Message Size 38 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 30th of month : Msg Number 035 : Msg Type 07145 : Group Count (?) 251
23173 03523 47850 10588 65099 02380 61603 36469

11163/9271/7532 kHz, 05-05, 0700/0710/0720 UTC

10523/8129/6947 kHz, 05-05, 1200/1210/1220 UTC

Block No 0 : Total Message Size 51 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45137 : 4th of month : Msg Number 037 : Msg Type 07145 : Group Count (?) 159
29088 36707 41178 16207 09959 36745 11516 40534

11163/9271/7532 kHz, 06-05, 0700/0710/0720 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 45137 : 6th of month : Msg Number 052 : Msg Type 07145 : Group Count (?) 4
10468 00000 00000 01041 07583 35067 01021 65357

11163/9271/7532 kHz, 09-05, 0700/0710/0720 UTC

10523/8129/6947 kHz, 09-05, 1200/1210/1220 UTC

Block No 0 : Total Message Size 34 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 6th of month : Msg Number 042 : Msg Type 07145 : Group Count (?) 219
29624 25478 12865 04606 65099 33100 50752 35735

11163/9271/7532 kHz, 10-05, 0700/0710/0720 UTC

10523/8129/6947 kHz, 10-05, 1200/1210/1220 UTC

Block No 0 : Total Message Size 57 blocks : This transmission contains 2 messages.

Block No 1 : Link ID 45136 : 6th of month : Msg Number 045 : Msg Type 07145 : Group Count (?) 183
09664 34134 22707 28772 65099 01801 27958 38594

11163/9271/7532 kHz, 11-05, 0700/0710/0720 UTC

10523/8129/6947 kHz, 11-05, 1200/1210/1220 UTC

Block No 0 : Total Message Size 32 blocks : This transmission contains one message.

Block No 1 : Link ID 45136 : 10th of month : Msg Number 050 : Msg Type 07145 : Group Count (?) 213

23164 19299 39819 00863 65099 01861 46357 18790

Starting 12 May, no transmissions on 11163/9271/7532 kHz at 0700/0710/0720 UTC and on 10523/8129/6947 kHz at 1200/1210/1220 UTC

Link 49202

15838/13984/11167 kHz, 04-05/11-05/18-05/25-05, 2200/2210/2220 UTC

Null message: Link ID 49202

Link 49237

15814/13411/11146 kHz, 05-05/19-05/26-05, 1330/1340/1350 UTC

Null message: Link ID 49237

15814 kHz, 12-05, 1320 UTC: FSK 200/800 inverted. Contents: 4646CcCc64 in ASCII

15814/13411/11146 kHz, 12-05, 1330/1340/1350 UTC

Link ID 49237, Corrupt Date, Serial #87 1be9 c055 577c 7dd9 04e1 Null message

Link 53277

17430/15914/13487 kHz, 04-05, 1230/1240/1250 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 53277 : 4th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4

39180 00000 00000 00205 15966 36459 00893 53009

17430/15914/13487 kHz, 18-05, 1230/1240/1250 UTC

Block No 0 : Total Message Size 4 blocks : This transmission contains one message.

Block No 1 : Link ID 53277 : 18th of month : Msg Number 162 : Msg Type 07145 : Group Count (?) 4

50212 00000 00000 01346 22771 32819 00893 41704

F06a ASCII 200/1000

7992 kHz, 06-05, 1520 UTC. GRU test

The signal was inverted, and the block that separates repeats within the broadcast was corrupted - it only consisted of the 32-bit magic number, the 256 zero bits afterwards were omitted. It contained 2 messages:

1. 343 bytes - header: 11100 10129 56574 0_024 00329 - corrupted 5LG's. (not 5FG's) 2. 775 bytes - header: 11100 10129 00000 0_004 01349 - corrupted 5FG's - 16562 22005 72309 57_94 38335 ...

Hex of the first file:

5455 2474 2052 4252 5422 4749 5649 5205 2525 4945
2056 9555 4220 5645 2564 5204 5642 5255 0495 4245
4920 2425 6494 2052 4256 9520 4256 4952 5204 2564
5545 2049 5554 4920 4549 2564 9204 4952 5556 0424
4f56 4220 2504 f424 2050 474f 9422 4e42 4e52 4204
9424 4955 0a42 e4f4 4e20 554e 2555 2204 4e56 5545
0524 5645 4220 e564 9554 204e 5552 e562 5545 4e56
5204 9524 4e56 2055 54e5 5520 4952 5564 20a5 4542
5655 0494 5242 5620 9554 5524 2056 4955 5522 4256
4955 5204 2564 4552 2042 6494 4220 5649 5454 2205
5649 4542 0495 4245 490a 2564 9454 2056 4945 2562
4945 4256 9204 5425 4945 2042 6494 5220 5649 5525
6204 4549 5242 0564 5245 4220 6495 2425 2049 4552
2560 4945 4249 50a2 0202 2020 3030 0303 0000

Freq	Date	UTC	Sequence	Freq	Date	UTC	Sequence
X06 10214	26-5	1427	Sequence: 263145	X06 14501	20-5	1002	Sequence: 361245
X06 10535	12-5	1518	Sequence: 564213	X06 14570	6-5	0829	Sequence: 324615
X06 10653	13-5	0829	Sequence: 356412	X06 14570	20-5	0815	Sequence: 324615
X06 12158	26-5	1518	Sequence: 564213	X06 14595	15-5	0721	Sequence: 452163
X06 12213	13-5	0956	Sequence: 615243	X06 14655	11-5	0742	Sequence: 164253
X06 12213	27-5	1008	Sequence: 615243	X06 14675	10-5	1009	Sequence: 612534
X06 12215	6-5	1003	Sequence: 361245	X06 14811	26-5	1412	Sequence: 263145
X06 12215	20-5	1004	Sequence: 361245	X06 14863	27-5	1013	Sequence: 615243
X06 13363	11-5	1717	Sequence: 1--6--	X06 14944	25-5	1033	Sequence: 621543
X06 13369	11-5	0728	Sequence: 412356	X06 15656	23-5	1242	Sequence: 364152
X06 13369	25-5	0723	Sequence: 412356	X06 15878	11-5	1042	Sequence: 621543
X06 13411	26-5	1415	Sequence: 263145	X06 16188	17-5	1204	Sequence: 325614
X06 13419	25-5	0759	Sequence: 465132	X06 16223	26-5	1000	Sequence: 164532
X06 13420	10-5	0800	Sequence: 534216	X06 16257	24-5	0810	Sequence: 542136
X06 13420	10-5	0828	Sequence: 534216	X06 16317	24-5	1001	Sequence: 612534
X06 13420	24-5	0800	Sequence: 534216	X06 18177	25-5	0806	Sequence: 164253
X06 13441	26-5	1409	Sequence: 532614	X06 18197	6-5	0930	Sequence: 645321
X06 13448	5-5	0745	Sequence: 162543	X06 18197	20-5	0945	Sequence: 645321
X06 13506	26-5	0952	Sequence: 164532	X06 18197	20-5	0949	Sequence: 645321
X06 13510	10-5	1021	Sequence: 612534	X06 18532	19-5	0901	Sequence: 325614
X06 13510	24-5	1009	Sequence: 612534	X06 18591	11-5	1008	Sequence: 435621
X06 13517	23-5	0928	Sequence: 463125	X06 19511	19-5	0713	Sequence: 314265
X06 13547	6-5	1026	Sequence: 625413	X06b 12138	15-5	1924	Sequence: 1--6--
X06 13838	4-5	0621	Sequence: 256341	X06b 13538	15-5	1931	Sequence: 1--6--
X06 13985	11-5	0845	Sequence: 134265	X06b 14538	10-5	1927	Sequence: 1-6---
X06 14442	12-5	1522	Sequence: 564213	X06b 14538	10-5	1930	Sequence: 1-6---
X06 14447	5-5	0728	Sequence: 162543	X06b 14538	15-5	1934	Sequence: 1--6--
X06 14447	5-5	0733	Sequence: 162543	X06b 16314	13-5	1409	Sequence 1--6--
X06 14447	5-5	0736	Sequence: 162543	X06b 16314	15-5	1422	Sequence: 1--6--
X06 14447	19-5	0722	Sequence: 162543				



XPA

10438/9938/9138 kHz, 03-05, 1730/1750/1810 UTC

491 491 491 000

06780 00001 00000 10140

10868/12168/13368 kHz, 04-05, 0600/0620/0640 UTC

813 813 813 000

08930 00001 00000 10140

10438/9938/9138 kHz, 05-05, 1730/1750/1810 UTC

491 491 491 000

05095 00001 00000 10140

10868/12168/13368 kHz, 07-05, 0600/0620/0640 UTC

813 813 813 000

02500 00001 00000 10140

10438/9938/9138 kHz, 10-05, 1730/1750/1810 UTC

491 491 491 1 491 491 491 1 491 491 491 1

06878 00161 54604 55415 80572 16470 57271 97293 10239 86376
65832 76824 29679 73428 04734 73477 69411 08790 61273 91590
72817 33531 19240 59764 02089 79213 69176 82839 95756 53153
70291 79987 83966 04876 65234 94886 49479 70442 73394 35385
30617 54906 74665 59401 02261 88162 09897 75387 23282 76642
71285 79348 84225 07232 47612 66551 06629 08553 01670 59111
85228 48775 96361 69914 97807 73494 00823 03964 23664 80588
90022 73139 83665 06542 06054 10674 85280 77475 55256 68130
94786 11160 72675 04429 64940 27733 11623 31959 45040 09500
18779 04796 13331 50101 69429 01140 91044 13026 35189 51607
51741 92466 78178 95344 07349 52755 69885 35677 57285 04991
31371 50824 36628 90777 26211 50951 56489 43435 05562 35436
73381 08791 56311 75591 29033 94757 19277 41784 49055 91845
67899 62681 08530 17852 54494 44029 54823 01108 32497 98939
46390 20098 56717 07425 50567 13727 15421 53298 76224 76854
35547 03279 52614 16106 15637 99868 36429 18016 80557 66584
11954 42672 01507 72764

10868/12168/13368 kHz, 11-05/14-05, 0600/0620/0640 UTC

813 813 813 1 813 813 813 1 813 813 813 1

06734 00115 06617 17900 50736 68985 54011 55957 35097 81483
32936 33231 16743 45044 97723 95395 91251 99698 29065 79436
65584 83782 68162 73766 46254 96944 70599 29807 93237 27145
40356 21433 20069 43218 45984 04240 49628 65943 66278 44054
33086 18183 95532 99336 03107 03195 89301 57276 51470 62485
01450 08506 34202 58013 10478 74924 39762 81758 00243 89784
07807 85875 27701 39745 95604 60379 67235 89594 40692 73373
81735 98842 41616 39500 33304 55515 82690 52213 13701 01237
69397 10835 89078 65114 82799 63713 04084 29543 21793 27052
70153 71380 66328 24664 12032 68375 87869 01258 26109 76436
61434 32260 26248 28942 34229 27700 38747 29897 61625 39629
74815 37750 15085 11568 86575 63976 17656 65004

10438/9938/9138 kHz, 17-05, 1730/1750/1810 UTC

491 491 491 000

07257 00001 00000 10140

10868/12168/13368 kHz, 18-05, 0600/0620/0640 UTC

813 813 813 000

02880 00001 00000 10140

10438/9938/9138 kHz, 19-05, 1730/1750/1810 UTC

491 491 491 000

03014 00001 00000 10140

9938/9138 kHz, 31-05, 1750/1810 UTC

491 491 491 000

07766 00001 00000 10140



XPA2

16314/15814/14514kHz, 01-05, 1500/1520/1540 UTC

07378 00001 00000 10140

14538/13538/12138 kHz, 01-05, 2000/2020/2040 UTC

08287 00001 00000 10140

19667/18767/17467 kHz, 03-05/06-05, 0700/0720/0740 UTC

03225 00125 08749 44222 91839 56347 45199 90631 96079 61493
95438 14008 16642 01682 84477 17207 25722 91755 86638 92467
77016 59548 05985 42770 50377 63870 76371 16112 45274 68085
64461 73169 16842 68441 16559 96311 47499 45436 58433 78311
82583 88592 93822 78412 80108 09258 67082 43618 73725 81077
08572 78905 23476 04095 23243 82092 47057 57890 22758 53134
71474 27717 37352 89835 79680 36186 75149 69128 77422 99405
64922 16593 60327 02091 11468 15548 76785 33814 80197 84357
01665 14965 03210 88139 57465 30510 43194 41596 43642 42810
47046 28081 70672 14387 23157 67626 27784 37513 62765 14768
61263 26087 41735 94165 55113 34932 36735 76913 79405 53734
71621 60138 79886 48493 68003 03386 95559 06584 54688 98538
03071 20858 60271 61414 89481 89997 27759 15122

14538/13538/12138 kHz, 03-05, 2000/2020/2040 UTC

03759 00001 00000 10140

16314/15814/14514kHz, 06-05, 1500/1520/1540 UTC

01968 00097 33049 96669 23475 92984 42195 45770 02570 61125
29072 95699 87055 48663 51833 76278 01966 42331 11106 96826
14189 32264 30259 38067 61665 61413 09588 39200 60722 04261
27231 83000 15566 44635 78303 53543 77363 09191 58292 34636
36522 09854 59848 63813 62313 12546 42958 74306 21598 08283
94405 04563 16285 61591 14621 57625 12009 01589 75023 34196
38944 03890 93090 36638 64391 75948 84942 86479 50011 21297
02334 52437 34581 93923 71445 15017 29513 42913 70945 71070
80503 96673 06563 72081 16977 65122 26382 73237 54006 30109
08000 31981 08632 90443 18837 46308 47645 51278 62410 21672

17462/16114/14828 kHz, 06-05, 1900/1920/1940 UTC

03004 00001 00000 10140

17462/16114/14828 kHz, 07-05, 1900/1920/1940 UTC

05245 00001 00000 10140

19667/18767/17467 kHz, 10-05, 0700/0720/0740 UTC

01088 00001 00000 10140

19667/18767/17467 kHz, 13-05, 0700/0720/0740 UTC

04432 00001 00000 10140

16314/15814/14514kHz, 13-05, 1500/1520/1540 UTC

01089 00001 00000 00140

17462/16114/14828 kHz, 13-05, 1900/1920/1940 UTC
04110 00001 00000 10140

17462/16114/14828 kHz, 14-05, 1900/1920/1940 UTC
55736 00001 00000 00140

16314/15814/14514kHz, 15-05, 1500/1520/1540 UTC
06618 00001 00000 10140

14538/13538/12138 kHz, 15-05, 2000/2020/2040 UTC
06725 00001 00000 10140

19667/18767/17467 kHz, 17-05, 0700/0720/0740 UTC
08916 00001 00000 10140

14538/13538/12138 kHz, 17-05, 2000/2020/2040 UTC
08503 00001 00000 10140

19667/18767/17467 kHz, 20-05, 0700/0720/0740 UTC
03801 00001 00000 10140

17462/16114/14828 kHz, 20-05, 1900/1920/1940 UTC
05902 00057 02618 09938 99000 61169 06769 28655 87522 56747
38289 97324 54842 01228 38119 43210 92696 22993 29464 02252
06985 57399 37345 75044 73972 88461 99224 16263 85279 74228
39499 36205 71449 23771 23520 19530 15327 35956 94627 95744
22175 16683 87251 84635 04120 58945 11932 17021 03463 46669
62876 97188 83036 65544 95742 48380 38768 55385 58572 16516

14538/13538/12138 kHz, 22-05, 2000/2020/2040 UTC
04715 00001 00000 10140

14538/13538/12138 kHz, 24-05, 2000/2020/2040 UTC
07209 00001 00000 10140

17462/16114/14828 kHz, 27-05, 1900/1920/1940 UTC
05792 00001 00000 10140

14538/13538/12138 kHz, 29-05, 2000/2020/2040 UTC
02851 00001 00000 10140



POL-FSK (F11)

8423 kHz, 03-05/06-05, 0900/0905 UTC
0554 0554 0554 0554 0554
88888 88888 25761 85195 22692 51099 61008 85025 58388 24463
69376 77148 74431 58166 71283 20754 76754 54100 26817 91856
74209 03282 38739 75048 47199 64379 12038 36396 26314 99827
93510 16246 11560 64029 04630 88888 88888
00037 00037

15690 kHz, 03-05, 1245/1250 UTC

0132 0132 0132 0132 0132

88888 88888 96922 75027 24495 47559 92657 51185 65071 80093
 86229 67239 53402 09989 57809 44032 26079 25789 61445 35839
 33187 42424 98236 72355 45349 11972 74993 48728 71411 04310
 09337 76864 29808 19861 84443 80211 49111 72668 88888 88888
 00040 00040

13470 kHz 10-05/12-05, 0630/0635 UTC

0574 0574 0574 0574 0574

88888 88888 72250 88494 03736 16726 78513 20741 77698 93702
 98084 66946 58023 11804 70799 50020 36245 07699 65187 69555
 77716 74425 28378 09065 59800 40366 69096 46286 66252 90134
 88531 42189 00328 88888 88888 (no group count)

Raw message:

10***** 0574 0574 0574 0574 0574 ABC D E F*H88888 88888 72250 88494 03736 16726 78513 20741 77698 93702 98084
 66946 58023 11804 70799 50020 36245 07699 65187 69555 77716 74425 28378 09065 59800 40366 69096 46286 66252 90134
 88531 42189 00328 88888 88888 NNNNNNNNNNNNNNNNNNNNN

13537 kHz, 11-05/13-05, 0530/0535 UTC

0453 0453 0453 0453 0453

88888 88888 37817 82413 32598 52492 31915 63578 49733 80548
 31163 29936 36001 35262 07744 70597 80439 90686 52912 01188
 61581 07248 62756 78896 81247 40297 90705 57112 93669 70879
 11931 31650 97777 08666 03022 88888 88888
 00037 00037

13424 kHz, 16-05/18-05, 0845/0850 UTC

0353 0353 0353 0353 0353

88888 88888 66940 75182 42382 96807 94112 77713 02703 03954
 63849 39091 16504 17874 09948 08156 50469 65687 44854 37573
 93800 80256 16365 28660 53104 97528 29162 52841 37935 41752
 11027 06529 16904 34755 88888 88888
 00036 00036

14575 kHz, 17-05/20-05, 0655/0700 UTC

0684 0684 0684 0684 0584

88888 88888 69241 26330 25427 98987 03567 64222 58030 09570
 47323 43561 41446 12223 84031 68973 28103 31701 19791 77419
 11198 29725 81513 59284 57066 43891 90955 96236 31439 50491
 55098 61516 28949 68083 99170 49516 52649 55317 80614 71588
 88888 88888
 00042 00042

**North Korean diplomatic stations**

12222 kHz, 21-05, 0658 UTC North Korean diplo DPRK-ARQ 600/600 LSB



Egyptian diplomatic stations

Modes: SITOR-A 100/170 & Codan-9001

14444 kHz, 22-05, 1821 UTC, Codan Chirp/80/2800 99910: MFA Cairo clg 11103 Bern



Central African Republic diplomatic stations

16301 kHz, 20-05, 0639 UTC. Copied by André. Nice catch!!

130 : Central African Republic - Ministry of Interior

Traffic :

101 DE 130 CRJ K

101 DE 130 CRJ K

101 K

R DE 130 CRJ K

101 K

130 CLN R 01 89 / 1ÈRE CNT/ MNNUSCA DU 20/05/16 = OBJET = CRJX HVRCTA =

PRIMO = ÉFFECTIF THÉORIQUE = CENT VINGT CINQ. 125 YA =

SENCUNDO = BOUAR = ALPHA = PERSONNEL = EFFECTIF THÉORIQUE = SOIXANTE SIX

: 66 YA = BRAVO = PRÉSENT = QUARANTE NEUF : 49 = CHARLIE = DÉTACHES =

QUATORZE : 14 = DELTA = RAPPATRIÉS : 01 YA = ÉCHO = ÉVASION = DEUX : 02

YA = FOXTROT = MATÉRIEL = RAS =

TRIO = BANGUI = ALPHA = PERSONNEL = EFFECTIF THÉORIQUE = CINQUANTE NEUF

: 59 = BRAVO = PRÉSENT = TRÉNTE UN : 31 YA = CHARLIE = MISSION = VINGT

HUIT : 28 = DELTA = MATÉRIEL = RAS = STOP ET FIN K

101 R R K

130 QRU AR

UTILITY ROUND-UP



Unid stations

9134 kHz, 06-05, 1009 UTC, CW, logged by JPL

10462 66945 14016 64223 14431 64639 11709 65050 12125 62336 12541 06017 QTC K

TTO1 529 22 6 1305 529 =

039 =

11482 74241 30726 70795 28003 78211 28419 75489 25697 75904

26113 76320 29667 79874 30082 80290 27360 77568 27076 77983

06020 K

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by JPL, André, Wolfgang



RMv/RNv/RNAv/RAv Russian military stations

Frequency: various Mode: USB / voice

RMv – Russian Military

4082 kHz, 18-05, 0528 UTC GREZON-52 clg outstations
4370 kHz, 20-05, 0531 UTC BRISMA-92 clg outstations
4525 kHz, 19-05, 1447 UTC JAKOB-82 clg outstations
4846 kHz, 28-05, 0322 UTC RODAKOP clg PALOVA
4860 kHz, 31-05, 0800 UTC KRATOV-09 clg BOLON-04
5260 kHz, 18-05, 0530 UTC RASKAT-77 clg outstations
5263 kHz, 20-05, 0448 UTC AVOLD-38 clg outstations
5279 kHz, 18-05, 0514 UTC TOMAL-33 clg outstations
6230 kHz, 31-05, 0503 UTC KROMAT-91 clg outstations
8190 kHz, 20-05, 1355 UTC TRIVANOK-19 clg BABYLON-83
14953 kHz, 26-05, 0822 UTC KLEM-10 Russian Mil 0822z USB KLEM-10 clg VOLKNAT-9
15803 kHz, 26-05, 0925 UTC KLEM-10 clg VOLKNAT-9

RNv – Russian Navy

3805 kHz, 02-05, 1452 UTC VESTNIK (RMP) clg BURYEVESTNIK (RGR79). QSX on 4944 kHz
5745 kHz, 04-05, 1715 UTC DEDUKTSIYA (RLD64) clg VESTNIK (RMP). QSX on 4050 kHz
5345 kHz, 06-05, 0932 UTC VESTNIK (RMP) clg AVRAU (RAY95). QSX on 4950 kHz
8267 kHz, 27-05, 1638 UTC BUKSOL clg Outstations on 8393

RADv – Russian Air Defense

2603 kHz, 28-05, 0450 UTC Tracking



M32 Russian / CIS Military CW Stations

4008.5 kHz, 31-05, 0306 UTC XXX PABA WARKYJ 823 K
4464 kHz, 09-05, 1415 UTC XXX VUOZ 01589 AVUROKORV 4322 9211 K
4887 kHz, 09-05, 1415 UTC XXX VUOZ 01589 AVUROKORV 4322 9211 K
5332 kHz, 19-05, 0602 UTC XXX MCVL SERPANTYN 7134 AR
7674 kHz, 16-05, 0759 UTC XXX WEGI 36869 UROKONIWH 5060 7831 K
7674 kHz, 16-05, 0805 UTC XXX WEGI 28687 SWANOSIP 9995 5153 K
7817 kHz, 16-05, 0757 UTC XXX WEGI 36869 UROKONIWH 5060 7831 K
7817 kHz, 16-05, 0803 UTC XXX WEGI 28687 SWANOSIP 9995 5153 K
7827 kHz, 16-05, 0759 UTC XXX WEGI 28687 SWANOSIP 9995 5153 K
7827 kHz, 16-05, 0805 UTC XXX WEGI 28687 SWANOSIP 9995 5153 K
8136 kHz, 22-05, 0800 UTC RMW32: XXX LR43 TENIÔESKAÂ PROWERKA 592 K
12593 kHz, 12-05, 0743 UTC XXX WEGI 42948 67672 MONTER 7138 1577 K
14552 kHz, 26-05, 0927 UTC XXX WEGI 82436 UTWARX 5545 0173 K
16223 kHz, 19-05, 1532 UTC XXX WEGI 34059 ITOGOPAPA 0448 3695 K
16223 kHz, 19-05, 1537 UTC XXX WEGI 87633 53931 BOSOBAL 6182 9609 K

16223 kHz, 25-05, 0801 UTC XXX WEGI 81948 SLEVENIE 0767 4299 K
16223 kHz, 26-05, 0927 UTC XXX WEGI 82436 UTWARX 5545 0173 K
16228 kHz, 22-05, 0800 UTC XXX LR43 TENIÔESKAÂ PROWERKA 592 K
16228 kHz, 25-05, 0825 UTC XXX LR43 TENIÔESKAÂ PROWERKA 592 K

The following net, probably Russian military, was copied by André.

4867.5 kHz, 29-05, 1702 UTC

2ÂChT QTC 441 103 28 1955 441 = 694 =
29066 02024 02024 00000 00088 00380 00404 01045 01090 01461
01506 01595 02002 02204 02237 02529 02563 03283 03339 04352
04419 05139 05151 05487 05498 06163 06231 06343 06387 06455
06488 06590 07018 07243 07276 07489 07489 08019 08053 08143
08176 09098 09122 09144 09177 09436 09492 10472 10573 11440
11552 12193 12227 12351 12384 13587 14027 14151 14218 15219
15309 15590 16041 16243 16276 16546 16579 17064 17110 17468
17468 18458 18537 19011 19044 19066 19088 19369 19392 19549
19572 20192 20204 20248 20248 20316 20361 213 21430 22105
22194 22329 22341 22587 23016 23151 23173 23218 23263 23319
23353 28101 QTC K

4867.5 kHz, 29-05, 1712 UTC

2ÂChT 5311 61 28 2005 531 = 694 =
29066 06062 06062 00246 00550 01090 01214 02046 02260 02462
03014 03418 03564 04015 04150 04239 04374 06062 05308 05476
06107 06501 07074 07333 08490 08389 08532 09223 09290 10270
10405 10450 11080 11372 12473 12169 13474 13116 13262 13532
14229 14487 15039 15321 16031 16311 16388 17389 17402 20215
20383 20563 21104 21542 22161 2248 22576 23319 23544 28059 K
82ZO RPT PBL K

The same net was copied by André on 29-12-2015

2545.5 kHz, 29-12-2015, 1745 UTC

9ZK4 QTC K. 278 87 29 1935 278 = 153 =
30126 06062 06062 00156 00426 01056 01398 01258 01416 01528
02079 02125 02248 02428 02574 03115 03250 03294 03463 04206
04318 04598 05151 05162 05320 05421 05533 06477 06589 07018
07164 07254 07401 08323 08468 06491 09032 09111 09278 09548
09571 10168 10494 11002 11136 11226 11361 12014 12362 12496
13149 13442 14049 14072 14230 14353 14511 15321 15499 15523
16073 16210 16377 17200 17356 17402 17446 18098 18201 18313
18324 19099 19224 20002 20147 20574 21104 21351 21520 22442
22598 23239 23296 23319 23443 29085 K
W6N8 R 278 K

2545.5 kHz, 29-12-2015, 1838 UTC

9ZK4 QTC. 284 99 29 2000 284 = 153 =
30126 02024 02024 00011 00077 01090 01124 501382 01405 04453
04497 05050 05083 05184 05218 05230 05241 05296 05320 05421
05476 05533 05577 06219 06253 06286 06354 06589 07018 07221
07243 07254 07298 09087 09111 10124 10108 10203 10258 10506
10551 11585 12036 12249 12261 12339 12384 12519 12520 13419
13453 14050 14072 14319 1444 14375 14443 15039 15062 15231
15275 16074 16108 16164 16209 16524 16558 17053 17110 17413
17448 17503 17547 18076 18098 18099 18177 18334 18256 18481
18537 19134 19156 19550 19583 20516 20541 21014 21038 21334
21440 21.... 22318 22339 22439 23195 23274 29097 K

15804 kHz, 29-05, 1650 UTC

C9DE de N4QL QTC 717 32 29 1925 717 = FM 514 583 FOR 301 068 = PWMRT WPUHI OYWAU EAIXG PRWUN UKOAG UHLOL
 XIRAH EAXBG OXTEA RMDOU KCXTA OOUIA LUTOA EUKGN KUPMD ÂOGEA UWKOW KGWPA FKOOR PDKCV LRPIM OLDCU KPUAR
 IWOPU OEAUM KGOXB LDKHO UPTXG WOPWO K. AR

15804 kHz, 31-05, 0708 UTC

C9DE de N4QL QTC 717 32 29 1925 717 = FM 514 583 FOR 301 068 = TXOYÂ AR

Another net, also likely Russian military was copied by André.

Notes:

- The first group of the message begins with the date + 1. So if the date is the 10th then the first group begins with 11. In this case the date is the 31st so the first group begins with 01. Also note the structure of the groups. Very odd.
- The callsigns include Cyrillic characters.
- The group count is always the actual number of groups + 1.
- Header: I8MH 272 73 31 1130 272 = 137 = where 73 is the group count, 31 is the date and 1130 is the time.

4867.5 kHz, 31-05, 0815 UTC

7DU7 de 2AAD K
 ÂEME QSA ? QXS AR
 YB8H de 2AAD K
 2AAD de YB8H K
 7DU7 de 2AAD K
 2AAD de 7DU7 K
 2AAD QSA ? K
 7DU7 QRV K
 8KZCh DE 2AAD K
 8KZCh K
 2AAD QSA ? K
 8KZCh QSA 3 K
 2AAD R K
 YB8H de 2AAD K
 2AAD de YB8H K

4867.5 kHz, 31-05, 0831 UTC

I8MH QTC AR
 I8MH 272 73 31 1130 272 = 137 =
 01067 01012 01012 03015 03081 10067 10089 10214 10247 10427
 10450 11091 11114 11147 11181 11316 11361 11406 11417 11473
 11529 11530 11563 12003 12036 12092 12148 12160 12250 12294
 12339 12418 12441 12542 12586 13026 13060 13082 13093 13194
 13228 13228 13262 13273 13318 13445 13475 13497 13521 14094
 14209 14353 14375 15039 15051 15130 15341 15163 15209 15298
 15321 15343 15398 15400 15422 15444 15477 16355 16399 21418
 21438 31071 K

4867.5 kHz, 31-05, 0845 UTC

7DU7 RPT PBL K
 2AAD 272 73 31 1130 272 K
 7DU7 R 272 K
 8KZCh R 272 K
 7B8H R 272 K

4867.5 kHz, 31-05, 0927 UTC

ÂEME de 2AAD QSA ? QXS AR
 ÂEME de 2AAD K
 2AAD de ÂEME K
 R K
 YB8H de 2AAD K
 2AAD de YB8H K

RK
7DU7 de 2AAD QSA ? QXS AR

4867.5 kHz, 31-05, 0933 UTC

I8MH QTC AR

I8MH 184 115 31 1225 184 = 530 =

01067 02024 02024 00033 00055 00088 00134 01214 01258 01359
01359 02440 02473 03025 03081 03373 03407 03418 03430 04105
04161 04464 04510 05533 05588 06084 06118 06163 06208 06400
06444 07052 07074 07085 07120 07355 07423 07513 07546 07580
08020 08187 08200 09188 09278 09537 09571 10268 10315 11024
11068 12092 12148 12261 12284 12351 12373 12373 12395 13228
13262 13273 13318 13521 13565 14207 14230 15343 15398 16355
16299 16411 16467 17053 17075 17075 17118 17176 17222 18097
18111 18155 18155 18199 18212 18245 18289 18380 18458 18582
19022 19123 19145 19369 19392 20000 20035 20079 20103 20136
20158 21485 21542 11554 23016 23094 23139 23162 23218 23331
23364 23397 23432 31113 k

4867.5 kHz, 31-05, 0947 UTC

ÂEME R 184 K

YB8H R 184 K

8KZCh R 184 K

I8MH QTC AR

686 65 31 1240 686 = 530 =

01067 06062 06062 00381 01034 01203 01326 02147 02394 02574
03126 03351 03463 03520 03478 EEEEEEEE 03520 04071 04138 04295 04341 04486 05173
05410 06062 06208 07030 07197 07467 07591 08525 09065 09267
09289 10416 10540 10551 11170 11473 11585 12472 12553 13217
13363 14038 14308 14599 15141 15433 15467 15578 16131 16434
16489 19257 19369 20293 20409 21080 21138 22026 22240 22532
23094 23397 23588 31063 K
ÂEME R 686 K
YB8H R 686 K
8KZCh R686 K

The traffic ends at 1000 UTC.



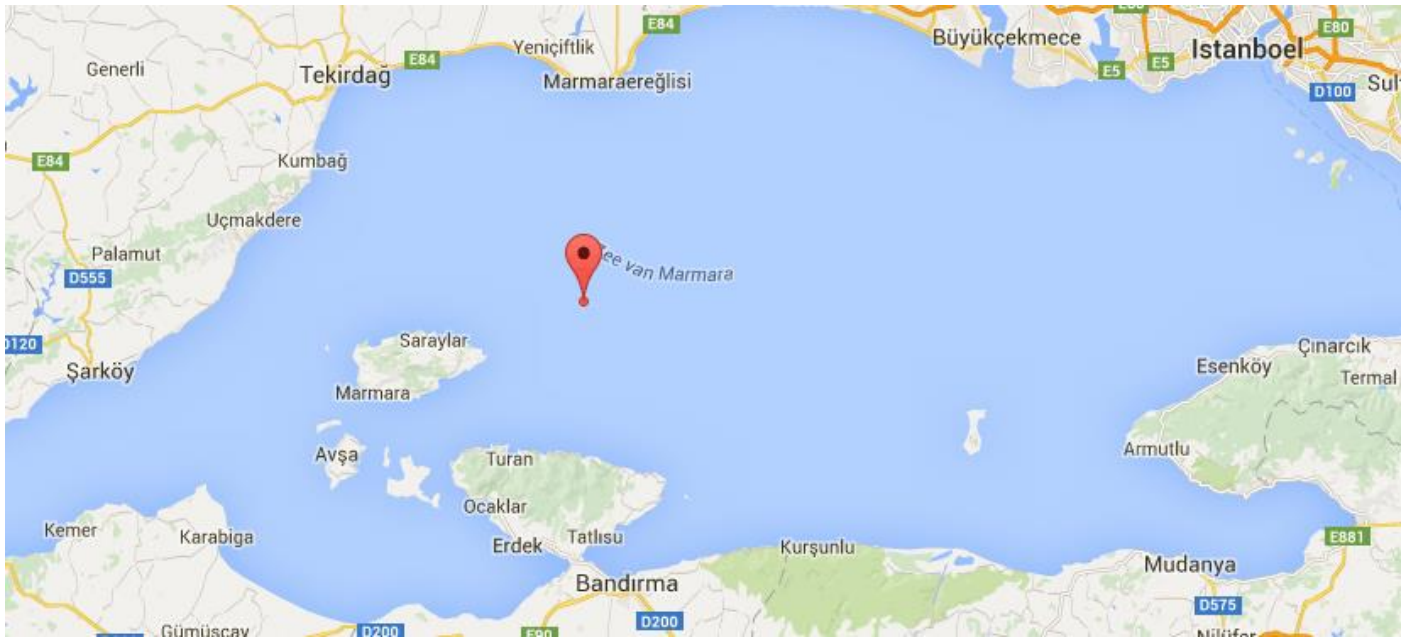
M32a
Russian Navy
Voyenno-Morskoy Flot Rossii

4110 kHz, 03-05, 1407 UTC
4110 kHz, 03-05, 1408 UTC
11465 kHz, 05-05, 1125 UTC
4060 kHz, 01-05, 1830 UTC
16112 kHz, 02-05, 1225 UTC
10672 kHz, 02-05, 1231 UTC
7964 kHz, 05-05, 1612 UTC
10683 kHz, 05-05, 0801 UTC
20762 kHz, 02-05, 0807 UTC

VVV UYG79 DE RTH62 QSA ? K
VVV EAB24 DE RTH62
XXX XXX PIYH PIYH 21242 WYPIHIWANIE 2687 3298 K
VOLTA-54 vlg outstations
XXX WEGI 05868 26279 STEROMAS 4725 9507 K
XXX RDL 40054 00513 RIAPOSWIQ 6683 3856 K
XXX WEGI 23325 BXEFOKAIN 3086 5547 UWODOGONG 7889 3561 K
XXX WEGI 80200 03321 UKLADOÏNYJ 9183 0840 K
XXX WEGI 80200 03321 UKLADOÏNYJ 9183 0840 K

3852 kHz, 08-05, 1805 UTC

RCV de RMJA QTC 643 16 8 2103 643 = SML FOR RJH45 RJE73 = 08181 99407 10279
41/98 90607 10165 40141 54000 70200 22262 00149 2//// 08012 = AR RMJA K
Location: see below



3720 kHz, 14-06, 1408 UTC, i.p.

RJD93 DE RCQD QSA ? QTC K
RCQD DE RJD93 QSA 2 QRV K
RCQD 892 29 14 1700 892 =
FM RCQD
FOR RJS =
11111 75571 91677 49845 69632 16773 (Cont'd)
72768 68877 90206 562.1 38584 5595 4.0.5 414026 =
AR RCQD K
RJD93 R 892 K
RCQD OK QRU K

5855 09-05, 0303 UTC

RIC87 de RCV QTC 206 77 9 00005 206 = DEJSTWUÛQIE PRIP NOWOROSSIIJSK NA 09 0000 MAJ 2016 GODA 2015 GOD 167 195
288 334 366 389 395 396 4 72 496 528 2016 GOD 163 73 75 86 87 115 120 123 125 122 126 128 156 158 162 166 168 169 170
174 175 176 177 180 193 195 196 197 203 204 207 208 209 213 214 222 223 224 225 229 231 232 233 234 235 236 241 243 244
245 246 247 AR.

8460 kHz, 10-05, 1100 UTC XXX RJD69 08907 KOACERWACIÂ 3891 9378 K

3594 kHz, 14-05, 0600 UTC RMP de RAY95 QSA ? QTC K

5235 kHz, 14-05, 0606 UTC RMP de RKI90 QSA ? QTC K

5235 kHz, 14-05, 0600 UTC RMP de RAY95 QSA ? QTC K

8345 kHz, 14-05, 0636 UTC RMP de RKI90 QSA ? QTC K

5235 kHz, 14-05, 0639 UTC RMP de RKI90 QSA ? QTC K

5235 kHz, 14-05, 0640 UTC RMP de RHC86 QSA ? QTC K

5235 kHz, 14-05, 0641 UTC RMP de RKI90 QSA ? QTC K. 105 16 14 0902 105 = SML FOR RJH45 RJD38 = 14001
99572 40207 43/98 61405 11128 49972 56004 70011 8//// 22283 00040 14012 =
AR RKI90 K

21438 kHz, 15-05, 0920 UTC XXX RJV 38956 OBLOVENXE 3804 9601 K

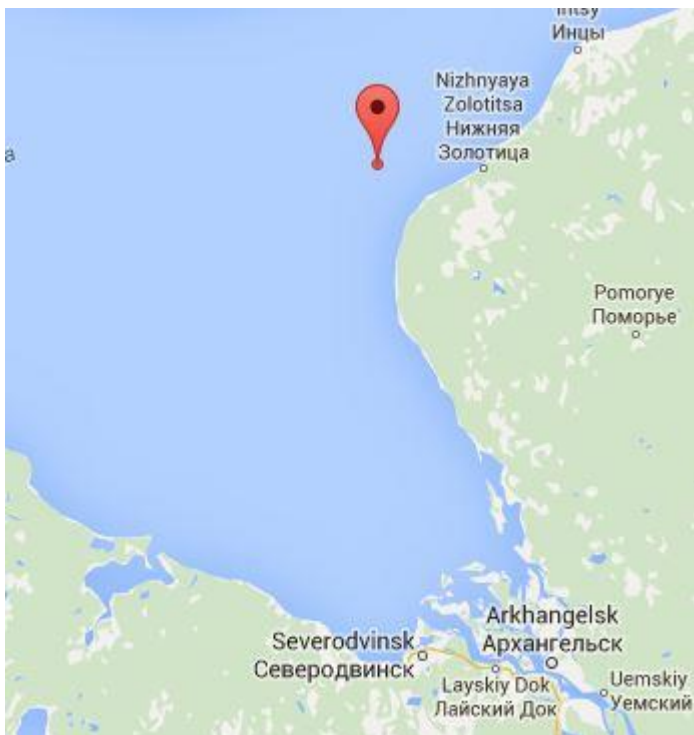
8393 kHz, 20-05, 1644 UTC TRAKSAT clg BUKSOL (comms checks and messages)

8345 kHz, 23-05, 0606 UTC

RMP de RME81 QTC 723 17 23 0901 723 = SML FOR RJH45 RJD38 =
 23061 99583 10051 41/98 73610 10120 40150 54000 70222 8//// 22232 00080 2//// 23013 = AR RME81

4580.5 kHz, 24-05, 1309 UTC

RJD99 de RBC89 QTC18 2416 01 811 = FOR RJD99 =
 71586 04772 40395 28559 10319 62860 33726 56485 60602 03230 91304 05863 58644 49047 93838 90355 24016 =
 AR RBC89 K

**4537.5 kHz, 28-05, 1802 UTC**

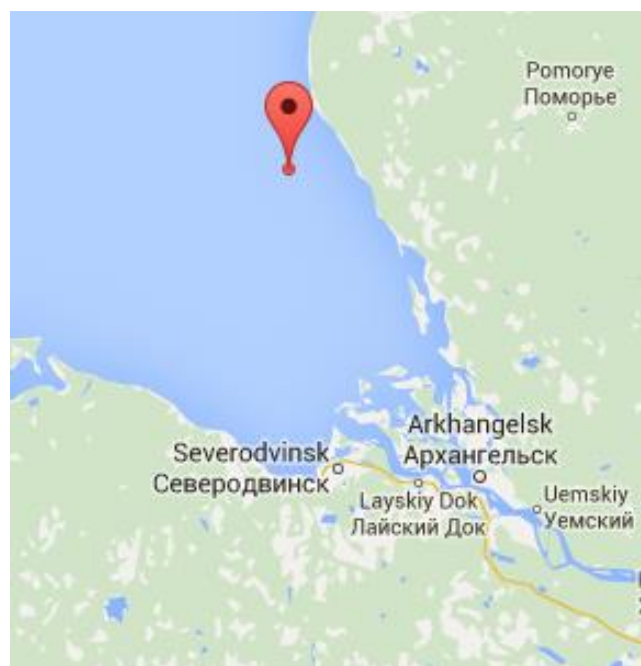
RJD99 de RBC89 QTC 772 17 28 2100 772 = FOR RJD90
 RJH74 = 28181 99657 10396
 Location: see left picture.

5188.5 kHz, 28-05, 1803 UTC

RCV de RBIZ QTC SML FOR RJE73 RJH45 = 28181 99349
 10359
 Location: Tartus port

4537.5 kHz, 28-05, 0604 UTC

RJD99 de RBE99 QSA ? QTC 865 17 28 0901 865 = FOR
 RJH74 RJH90 = 28061 99652 10396 41598 10000 10060
 40300 43000 70200 80001 22341 00080 20000 88000
 28014 = AR RBE99 K
 Location: see picture below

**5235 kHz, 24-05, 1818 UTC, i.p.**

10126 41/97 30000 10170 40150 54000 70200 8//// 22243
 00120 2//// 24013 = AR RME81 K
 RME81 OK QRU K
 (RME81 is MB-119 – Ladnik – Goryn Class Ocean Tug – Baltic Fleet)

4580.5 kHz, 25-05, 06-8 UTC

RJD99 de RBE99 QTC 142 17 25 0901 142 = FOR RJH74 RJD90 =
 25061 99652 10369 41598 32804 10150 40130 54000 70211
 83540 22201 00062 20000 88000 25014 = AR RBE99 K)

5235 kHz, 25-05, 1614 UTC

RMP de RKB92 QTC 442 67 25 1910 442 = FOR RJH45 RJD38 REG98 =
 KKXX 25056 1540/ 15508 01926 68882 20000 31362 40740 20004
 31348 40740 20005 31326 40741 20006 31312 40741 20008 31066
 40737 20009 30987 40753 20010 30944 40755 20015 30892 40767
 20020 30650 40770 20030 30561 40782 20038 30477 40792 20040
 30515 40799 20049 30610 40814 20050 30564 40815 20055 30474
 40827 20060 30477 40866 20080 30661 41248 20084 30644 41274
 20098 30725 41339 25063 = AR RKB92 K



M32b

Russian Naval Aviation

Aviatsiya Voenno-morskogo Flota Rossii

4563 kHz, 25-06, 1701 UTC RAL2 net 3: RAL2 wkg RKA2, RLO2, RBL75
 13975 kHz, 25-06, 0900 UTC RAL2 net 1: RAL2 wkg RFH2, RDU2, RHW2, RBL71
 10425 kHz, 25-06, 0906 UTC RAL2 net 2: RAL2 wkg RBI2, RGH2, RMW2, RHQ2, RBL66

LOGS SECTION

The logs are sorted on Code, Date and Time

code	freq	date	day	UTC	details	mode	ctrb
---	9134	6-5	Fri	1009	10462 66945 14016 64223 14431 64639 11709 65050 12125 62336 12541 06017 QTC K	CW	(JPL-Sib)
CAF	16301	20-5	Fri	0639	101: Ministry of Interior wkg 130 (see N&O 224)	CW	(F5JBR)
DPRK	12222	21-5	Sat	0658	North Korean diplo	DPRK-ARQ 600/600 LSB	(PPA)
E06	14565	5-5	Thu	0500	460 758 123 43316 29908 48095 ... 90956 19377 29306 758 123 00000	USB	(AB/HFD)
E06	16125	5-5	Thu	0600	460 758 123 43316 29908 48095 ... 90956 19377 29306 758 123 00000	USB	(AB/HFD)
E06	5948	5-5	Thu	2030	724 569 63 14259 22676 32782 ... 32333 43433 54545 569 63 00000	USB	(AB/HFD)
E06	14565	6-5	Fri	0500	460 758 123 43316 29908 48095 ... 90956 19377 29306 758 123 00000	USB	(AB)
E06	16125	6-5	Fri	0600	460 758 123 43316 29908 48095 ... 90956 19377 29306 758 123 00000	USB	(AB)
E06	5731	6-5	Fri	2130	315 569 63 14259	USB	(HFD)
E06	16354	7-5	Sat	1100	E06 instead of M42d. 832 195 70 08507 94470 50174 ... 84793 87483 93239 195 70 00000	USB	(Danix)
E06	14536	7-5	Sat	1200	E06 instead of M42d. 832 195 70 08507 94470 50174 ... 84793 87483 93239 195 70 00000	USB	(Danix)
E06	14536	8-5	Sun	1200	832 195 70 08507 94470 50174 ... 84793 87483 93239 195 70 00000	USB	(AB/MPJ)
E06	10755	16-5	Mon	1610	975 72651 12746 17605 94273 81591 52307 54640 62594 84313 50517 863 15 975 621 11 18945 13...	USB	(PW2)
E06	14565	19-5	Thu	0500	460 758 123 43316 29908 48095 ... 90956 19377 29306 758 123 00000	USB	(AB)
E06	16125	19-5	Thu	0600	460 758 123 43316 29908 48095 ... 90956 19377 29306 758 123 00000	USB	(AB)
E06	5940	19-5	Thu	2030	724 569 63 14259 22676 32782 ... 32333 43433 54545 569 63 00000	USB	(AB)
E06	14565	20-5	Fri	0500	460 758 123 43316 29908 48095 ... 90956 19377 29306 758 123 00000	USB	(AB)
E06	16125	20-5	Fri	0600	460 758 123 43316 29908 48095 ... 90956 19377 29306 758 123 00000	USB	(AB/F5JBR)
E06	5731	20-5	Fri	2130	315 569 63 14259 22676 32782 ... 32333 43433 54545 569 63 00000	USB	(PW2)
E06b	10755	16-5	Mon	1340	GRU test. 975 19827 (R) 863 15 46180 28209 80210 ... 81591 52307 54 975 (R) 12746 17605 94273 ...	USB	(Priyom Team)
E07	9064	1-5	Sun	0600	024 ...	USB	(AB)
E07	10264	1-5	Sun	0620	024 024 024	USB	(AB)
E07	14763	1-5	Sun	1700	731 731 731 000	AM	(AB/MPJ/HFD)
E07	13363	1-5	Sun	1720	731 731 731 000	AM	(AB/MPJ/HFD)
E07	14812	2-5	Mon	1900	845 0	AM	(HFD)
E07	13412	2-5	Mon	1920	845 845 845 000	AM	(MPJ/HFD)
E07	14763	4-5	Wed	1700	731 731 731 000	AM	(AB)
E07	13363	4-5	Wed	1720	731 731 731 000	AM	(AB/MPJ)
E07	14812	4-5	Wed	1900	845 845 845 000	AM	(MPJ)

E07	11539	5-5	Thu	2010	553 553 553 000	AM	(AB/MPJ/HFD)
E07	10547	5-5	Thu	2030	553 553 553 000	AM	(AB/HFD)
E07	9064	7-5	Sat	0600	024 024 024 000	USB	(AB)
E07	10264	7-5	Sat	0620	024 024 024 000	USB	(AB)
E07	9064	8-5	Sun	0600	024 024 024 000	AM	(AB)
E07	10264	8-5	Sun	0620	024 024 024 0000	AM	(AB)
E07	13363	8-5		1720	731 731 731 000	AM	(MPJ)
E07	14812	9-5	Mon	1900	845 1 9323 59 39896 97869 38074 ... 19875 49753 49727 000 000	AM	(AB/MPJ)
E07	13412	9-5	Mon	1920	845 1 9323 59 39896 97869 38074 ... 19875 49753 49727 000 000	AM	(AB)
E07	11512	9-5	Mon	1940	845 1 9323 59 39896 97869 38074 ... 19875 49753 49727 000 000	AM	(AB)
E07	14763	11-5	Wed	1700	731 731 731 000	AM	(AB/MPJ)
E07	13363	11-5	Wed	1720	731 731 731 000	AM	(AB)
E07	14812	11-5	Wed	1900	845 1 9323 59 39896 97869 38074 77021 13807 ... 01434 49288 19875 49753 49727 000 000	AM	(PW2)
E07	11512	11-5	Wed	1940	845 1 9323 59 39896 97869 38074 77021 13807 ... 01434 49288 19875 49753 49727 000 000	AM	(MPJ)
E07	11539	12-5	Thu	2010	553 553 553 000	AM	(AB)
E07	9064	14-5	Sat	0600	024 024 024 000	USB	(AB/HFD)
E07	10264	14-5	Sat	0620	024 024 024 0000	USB	(AB/HFD)
E07	9064	15-5	Sun	0600	024 024 024 000	USB	(AB)
E07	10264	15-5	Sun	0620	024 024 024 0000	USB	(AB)
E07	14763	15-5	Sun	1700	731 000	AM	(PW2)
E07	13363	15-5	Sun	1720	731 731 731 000	AM	(AB)
E07	14812	16-5	Mon	1900	845 845 845 000	AM	(AB/MPJ/PW2)
E07	13412	16-5	Mon	1920	845 845 845 000	AM	(AB)
E07	14763	18-5	Wed	1700	731 731 731 000	AM	(AB)
E07	13363	18-5	Wed	1720	731 731 731 000	AM	(AB)
E07	14812	18-5	Wed	1900	845 845 845 000	AM	(AB)
E07	13412	18-5	Wed	1910	845 845 845 000	AM	(AB)
E07	11539	19-5	Thu	2010	553 553 553 000	AM	(AB)
E07	10547	19-5	Thu	2030	553 553 553 000	AM	(AB)
E07	9064	21-5	Sat	0600	024 1 296 70 90750 26419 30367 ... 20206 56823 07232 000 000	USB	(AB)
E07	10264	21-5	Sat	0620	024 1 296 70 90750 26419 30367 ... 20206 56823 07232 000 000	USB	(AB/PPA)
E07	11464	21-5	Sat	0640	024 1 296 70 90750 26419 30367 ... 20206 56823 07232 000 000	USB	(AB/PPA)
E07	14763	22-5	Sun	1700	731 731 731 000	AM	(PW2/MPJ)
E07	13363	22-5	Sun	1720	731 731 731 000	AM	(MPJ)
E07	14763	25-5	Wed	1700	731 731 731 000	AM	(MPJ/PW2)
E07	13363	25-5	Wed	1720	731 731 731 000	AM	(MPJ)
E07	14812	25-5	Wed	1900	845 845 845 000	AM	(MPJ/Dan)
E07	13412	25-5	Wed	1920	845 845 845 000	AM	(MPJ/Dan)
E07	9064	28-5	Sat	0600	024 1 296 70 90750 26419 56823 07232 000 000	AM	(Edd)
E07	10264	28-5	Sat	0620	024 1 296 70 90750 26419 56823 07232 000 000	AM	(Edd)
E07	11464	28-5	Sat	0640	024 1 296 70 90750 26419 56823 07232 000 000	AM	(Edd)
E07	14763	29-5	Sun	1700	731 1 884 41 40735 28532 30188? 30909? 96771 ... 69634 10431 92392 37025 000 000	AM	(MPJ)
E07	13363	29-5	Sun	1720	731 1 884 41 40735 28532 30188? 30909? 96771 ... 69634 10431 92392 37025 000 000	AM	(MPJ)
E07	12163	29-5	Sun	1740	731 1 884 41 40735 28532 30188? 30909? 96771 ... 69634 10431 92392 37025 000 000	AM	(MPJ)
E07a	12166	4-5	Wed	2000	172 172 172 000	USB	(MPJ/HFD)
E07a	10766	4-5	Wed	2020	172 172 172 000	USB	(AB/HFD)
E07a	7933	5-5	Thu	0430	912 912 912 000	USB	(AB/HFD)
E07a	9133	5-5	Thu	0450	912 912 912 000	USB	(AB/HFD)
E07a	12182	6-5	Fri	1510	101 101 101 000	USB	(AB/MPJ/HFD)
E07a	11082	6-5	Fri	1530	101 101 101 000	USB	(AB/MPJ/HFD)
E07a	12177	7-5	Sat	0800	148 148 148 000	USB	(AB/HFD)
E07a	13477	7-5	Sat	0820	148 148 148 000	USB	(AB/HFD)
E07a	7933	12-5	Thu	0430	912 1 33936 (R) 6769 61 99503 88422 40225 ... 51072 80701 75726 000 000	USB	(AB/PW2)

E07a	9133	12-5	Thu	0450	912 1 33936 (R) 6769 61 99503 88422 40225 ... 51072 80701 75726 000 000	USB	(AB)
E07a	10233	12-5	Thu	0510	912 1 33936 (R) 6769 61 99503 88422 40225 ... 51072 80701 75726 000 000	USB	(AB)
E07a	12182	13-5	Fri	1510	101 1 31411 2303 57 75046 65256 65085 ... 06641 41401 96201 000 000	USB	(AB/MPJ)
E07a	11082	13-5	Fri	1530	101 1 31411 2303 57 75046 65256 65085 ... 06641 41401 96201 000 000	USB	(AB)
E07a	10182	13-5	Fri	1550	101 1 31411 2303 57 75046 65256 65085 ... 06641 41401 96201 000 000	USB	(AB/GHn)
E07a	12177	14-5	Sat	0800	148 1 31411 2303 57 75046 65256 65085 ... 06641 41401 96201 000 000	USB	(AB)
E07a	13477	14-5	Sat	0820	148 1 31411 2303 57 75046 65256 65085 ... 06641 41401 96201 000 000	USB	(AB)
E07a	14877	14-5	Sat	0840	148 1 31411 2303 57 75046 65256 65085 ... 06641 41401 96201 000 000	USB	(AB)
E07a	12166	18-5	Wed	2000	172 172 172 000	USB	(AB/PW2)
E07a	10766	18-5	Wed	2020	172 172 172 000	USB	(AB)
E07a	7933	19-5	Thu	0430	912 912 912 000	USB	(AB)
E07a	9133	19-5	Thu	0450	912 912 912 000	USB	(AB)
E07a	12182	20-5	Fri	1510	101 101 101 000	USB	(AB)
E07a	11082	20-5	Fri	1530	101 101 101 000	USB	(AB)
E07a	12177	21-5	Sat	0800	148 148 148 000	USB	(AB)
E07a	13477	21-5	Sat	0820	148 148 148 000	USB	(AB)
E07a	12166	25-5	Wed	2000	172 1 36764 7918 91 98151 22628 ... 74195 34611 45756 000 000	USB	(Dan)
E07a	10766	25-5	Wed	2020	172 1 36764 7918 91 98151 22628 ... 74195 34611 45756 000 000	USB	(Dan)
E07a	7933	26-5	Thu	0430	912 1 36764 7918 91 98151 22628 34611 45756 000 000	USB	(Edd)
E07a	9133	26-5	Thu	0450	912 1 36764 7918 91 98151 22628 34611 45756 000 000	USB	(Edd)
E07a	10233	26-5	Thu	0510	912 1 36764 7918 91 98151 22628 34611 45756 000 000	USB	(Edd)
E07a	12166	26-5	Thu	2000	172 1 36764 7918 91 98151 22628 ... 74195 34611 45756 000 000	USB	(MPJ)
E07a	12177	28-5	Sat	0800	148 1248 148 000	USB	(Edd)
E07a	13477	28-5	Sat	0820	148 1248 148 000	USB	(Edd)
E11	17120	1-5	Sun	0730	352/00	USB	(AB/HFD)
E11	14975	1-5	Sun	0805	311/00	USB	(AB/HFD)
E11	4783	1-5	Sun	1605	232/00	USB	(HFD)
E11	15795	1-5	Sun	1625	972/00	USB	(HFD)
E11	9130	1-5	Sun	2005	363/00	USB	(HFD)
E11	13908	2-5	Mon	0600	181/00	USB	(AB)
E11	9610	2-5	Mon	0745	262/00	USB	(AB/HFD)
E11	6797	2-5	Mon	0820	438/00	USB	(AB)
E11	13427	2-5	Mon	0900	534/00	USB	(HFD)
E11	13537	2-5	Mon	1225	521/00	USB	(AB)
E11	13424	3-5	Tue	0645	517/00	USB	(AB)
E11	14753	3-5	Tue	0710	633/00	USB	(AB/HFD)
E11	15632	3-5	Tue	0745	335/00	USB	(AB/HFD)
E11	13873	3-5	Tue	1045	576/00	USB	(AB/HFD)
E11	4783	3-5	Tue	1605	232/00	USB	(AB/HFD/MPJ)
E11	13424	4-5	Wed	0545	348/00	USB	(AB/HFD)
E11	14975	4-5	Wed	0805	311/00	USB	(AB)
E11	13427	4-5	Wed	0900	534/00	USB	(AB/HFD)
E11	10302	4-5	Wed	1205	469/00	USB	(AB/HFD)
E11	15795	4-5	Wed	1625	972/00	USB	(AB/MPJ)
E11	13424	5-5	Thu	0645	517/00	USB	(AB)
E11	15632	5-5	Thu	0745	335/00	USB	(AB)
E11	6797	5-5	Thu	0820	438/00	USB	(AB)
E11	10213	5-5	Thu	0930	270/00	USB	(AB/HFD)
E11	9052	5-5	Thu	1450	441/00	USB	(AB/MPJ)
E11	10356	5-5	Thu	1530	262/00	USB	(MPJ/HFD)
E11	8088	5-5	Thu	1730	416/00	USB	(AB/MPJ/HFD)

E11	13424	6-5	Fri	0545	348/00	USB	(AB)
E11	13908	6-5	Fri	0600	181/00	USB	(AB)
E11	14753	6-5	Fri	0710	633/00	USB	(AB)
E11	13527	6-5	Fri	1225	521/00	USB	(AB/MPJ)
E11	13537	6-5	Fri	1225	521/00	USB	(HFD)
E11	4783	6-5	Fri	1605	232/00	USB	(AB)
E11	8530	6-5	Fri	2000	576/00	USB	(HFD/MPJ)
E11	11581	7-5	Sat	1300	581/00	USB	(Danix)
E11	14865	7-5	Sat	1705	399/37 Attention 01881 14278 25165 ... 83238 71233 46581 Attention, rpt msg, out	USB	(AB/MPJ)
E11	14975	8-5	Sun	0805	311/00	USB	(AB)
E11	4783	8-5	Sun	1605	232/00	USB	(MPJ)
E11	10800	9-5	Mon	0450	461/00	USB	(AB)
E11	9610	9-5	Mon	0745	262/00	USB	(AB)
E11	6797	9-5	Mon	0820	438/00	USB	(AB)
E11	13427	9-5	Mon	0900	534/00	USB	(AB)
E11	13537	9-5	Mon	1225	521/00	USB	(AB)
E11	14753	10-5	Tue	0710	633/00	USB	(AB)
E11	15632	10-5	Tue	0745	335/00	USB	(AB)
E11	13873	10-5	Tue	1045	576/00	USB	(AB/PW2)
E11	10302	10-5	Tue	1205	469/00	USB	(AB)
E11	15803	10-5	Tue	1300	133/00	USB	(MPJ)
E11	4783	10-5	Tue	1605	232/00	USB	(AB)
E11	11581	10-5	Tue	1925	551/00	USB	(MPJ)
E11	14975	11-5	Wed	0805	311/00	USB	(AB)
E11	13427	11-5	Wed	0900	534/00	USB	(AB)
E11	10213	11-5	Wed	0930	270/00	USB	(AB)
E11	10302	11-5	Wed	1205	469/00	USB	(AB/MPJ)
E11	15795	11-5	Wed	1625	972/00	USB	(AB/MPJ)
E11	14865	11-5	Wed	1705	392/00	USB	(MPJ)
E11	15632	12-5	Thu	0745	335/00	USB	(AB)
E11	6797	12-5	Thu	0820	438/00	USB	(AB)
E11	10213	12-5	Thu	0930	270/00	USB	(AB/PW2)
E11	8088	12-5	Thu	1730	416/00	USB	(AB)
E11	11581	12-5	Thu	1925	551/00	USB	(MPJ)
E11	14753	13-5	Fri	0710	633/00	USB	(AB)
E11	17120	13-5	Fri	0730	352/00	USB	(AB)
E11	13537	13-5	Fri	1225	521/00	USB	(MPJ)
E11	8530	13-5	Fri	2000	576/00	USB	(AB/MPJ)
E11	15905	14-5	Sat	0710	491/00	USB	(AB)
E11	11581	14-5	Sat	1300	581/00	USB	(AB/MPJ)
E11	14865	14-5	Sat	1705	392/00	USB	(AB/MPJ)
E11	9130	14-5	Sat	2005	363/00	USB	(AB)
E11	17120	15-5	Sun	0730	352/00	USB	(AB)
E11	14975	15-5	Sun	0805	311/00	USB	(AB/PW2)
E11	15795	15-5	Sun	1625	972/00	USB	(MPJ)
E11	9130	15-5	Sun	2005	363/00	USB	(AB/MPJ)
E11	13908	16-5	Mon	0600	181/00	USB	(AB)
E11	9610	16-5	Mon	0745	262/00	USB	(AB)
E11	13424	17-5	Tue	0645	517/00	USB	(AB)
E11	15632	17-5	Tue	0745	335/00	USB	(AB)
E11	10302	17-5	Tue	1205	469/00	USB	(AB)
E11	15825	17-5	Tue	1345	911/00	USB	(AB)
E11	9052	17-5	Tue	1450	441/00	USB	(AB)
E11	11581	17-5	Tue	1925	551/00	UBS	(AB)
E11	13424	18-5	Wed	0545	348/00	USB	(AB)
E11	10213	18-5	Wed	0930	270/00	USB	(AB)
E11	10302	18-5	Wed	1205	469/00	USB	(AB)
E11	15803	18-5	Wed	1300	133/00	USB	(AB)
E11	14865	18-5	Wed	1705	392/00	USB	(F4LKC)
E11	13424	19-5	Thu	0645	517/00	USB	(AB)
E11	15905	19-5	Thu	0710	491/00	USB	(AB)
E11	15632	19-5	Thu	0745	335/00	USB	(AB)
E11	10213	19-5	Thu	0930	270/00	USB	(AB)

E11	9052	19-5	Thu	1450	441/00	USB	(AB)
E11	10356	19-5	Thu	1530	262/00	USB	(AB/GHn)
E11	11581	19-5	Thu	1925	551/00	USB	(MPJ)
E11	13424	20-5	Fri	0545	348/00	USB	(AB)
E11	13908	20-5	Fri	0600	181/00	USB	(AB)
E11	17120	20-5	Fri	0730	352/00	USB	(AB)
E11	15905	21-5	Sat	0710	491/00	USB	(PW2)
E11	14410	22-5	Sun	1747	252/00	USB	(PPA)
E11	14753	24-5	Tue	0712	633/00	USB	(F5JBR)
E11	9052	24-5	Tue	1450	441/00	USB	(MPJ)
E11	11581	24-5	Tue	1925	551/00	USB	(MPJ)
E11	15803	25-5	Wed	1300	133/00	USB	(MPJ)
E11	15795	25-5	Wed	1625	972/00	USB	(MPJ)
E11	14865	25-5	Wed	1705	392/00	USB	(PW2/MPJ)
E11	15905	26-5	Thu	0710	491/00	USB	(Edd)
E11	9052	26-5	Thu	1450	441/00	USB	(MPJ)
E11	8088	26-5	Thu	1730	416/00	USB	(MPJ/PW2)
E11	13908	27-5	Fri	0600	181/00	USB	(Edd/HFD)
E11	8530	27-5	Fri	2000	576/00	USB	(Edd)
E11	11581	28-5	Sat	1300	581/00	USB	(MPJ)
E11	15825	28-5	Sat	1345	911/00	USB	(Edd)
E11	14865	28-5	Sat	1705	392/00 OUT	USB	(Edd/MPJ)
E11	15795	29-5	Sun	1605	972/00	USB	(MPJ)
E11	15803	31-5	Tue	1300	133/00	USB	(MPJ)
E11	15825	31-5	Tue	1345	911/00	USB	(MPJ)
E11	9052	31-5	Tue	1450	441/00	USB	(MPJ)
E11	11581	31-5	Tue	1925	551/00	USB	(GHn/MPJ)
E11	11581	31-5	Tue	1925	551/00	USB	(MPJ)
E11a	7600	2-5	Mon	0530	641/39 Attention 5FGs out	USB	(F5JBR)
E11a	15803	3-5	Tue	1300	132/36 Attention 96922 75027 24495 ... 80211 49111 72668 Attention, rpt msg, out	USB	(AB/HFD)
E11a	11581	3-5	Tue	1925	528/35 Attention 57041 76448 60886 65995 24164 ...66268 15989 29162 80650 75883	USB	(MPJ/HFD)
E11a	15803	4-5	Wed	1300	132/36 Attention 96922 75027 24495 ... 80211 49111 72668 Attention, rpt msg, out	USB	(AB/HFD)
E11a	14865	4-5	Wed	1705	399/37 Attention 01881 14278 25165 ... 83238 71233 46581 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	8565	5-5	Thu	0315	251/32	USB	(HFD)
E11a	11581	5-5	Thu	1925	528/35 Attention 57041 76448 60886 ... 29162 80650 75883 Attention, rpt msg, out	USB	(AB/MPJ)
E11a	15905	7-5	Sat	0710	497/38 Attention 14348 65152 71264 ... 90213 25722 88079 Attention, rpt msg, out	USB	(AB/HFD)
E11a	14865	7-5	Sat	1705	399/37 01881	USB	(HFD)
E11a	9130	8-5	Sun	2005	366/32 Attention 49128 95923 49031 02197 21298 ... 75883 64084 78151 58253 59837	USB	(MPJ)
E11a	13908	9-5	Mon	0600	182/32 Attention ...	USB	(AB)
E11a	13424	10-5	Tue	0645	519/31 Attention 72250 88494 03736 ... 88531 42189 00328 Attention, rpt msg, out	USB	(AB)
E11a	9052	10-5	Tue	1450	446/40 Attention 06636 33741 99077 ... 13856 10198 44511 Attention, rpt msg, out	USB	(AB/F5JBR/HFD)
E11a	13424	11-5	Wed	0545	347/33 Attention 37817 82413 32598 ... 97777 08666 03022 Attention, rpt msg, out	USB	(AB)
E11a	13424	12-5	Thu	0645	519/31 Attention 72250 88494 03736 ... 88531 42189 00328 Attention, rpt msg, out	USB	(AB)
E11a	9052	12-5	Thu	1450	446/40 Attention 06636 33741 99077 ... 13856 10198 44511 Attention, rpt msg, out	USB	(AB)
E11a	13424	13-5	Fri	0545	347/33 Attention 37817 82413 32598 ... 97777 08666 03022 Attention, rpt msg, out	USB	(AB/HFD)
E11a	13908	13-5	Fri	0600	182/32 Attention 26608 39370 25230 ... 49963 09134 87892 Attention, rpt msg, out	USB	(AB)
E11a	15825	14-5	Sat	1345	914/31 Attention 46819 63289 83_90 26723 17786 ... 82407 1331_ 5405_ 71973 67408	USB	(MPJ/HFD)
E11a	10800	16-5	Mon	0450	414/32 79632	USB	(HFD)
E11a	6797	16-5	Mon	0820	438/30 61878	USB	(HFD)

E11a	13537	16-5	Mon	1225	520/33 Attention 12244 59039 15135 ... 05968 79646 29010 Attention, rpt msg, out	USB	(AB/PW2)
E11a	13537	16-5	Mon	1225	520/33 attention 12244 59039 15135 ... 05968 79646 29010 attention, rpt msg, out	USB	(PW2)
E11a	14753	17-5	Tue	0710	634/38 Attention 69241 26330 25427 ... 55317 80614 71588 Attention, rpt msg, out	USB	(AB)
E11a	13873	17-5	Tue	1045	576/39 Attention 05353 21352 82149 ... 89419 84253 17792 Attention, rpt msg, out	USB	(AB)
E11a	13427	18-5	Wed	0900	534/32 Attention 66940 75182 42382 ... 06529 16904 34755 Attention, rpt msg, out	USB	(AB)
E11a	15795	18-5	Wed	1625	978/34 Attention 45796 11924 19530 ... 47860 45946 46884 Attention, rpt msg, out	USB	(AB/F4LKC)
E11a	6797	19-5	Thu	0826	i.p.	USB	(AB)
E11a	8088	19-5	Thu	1730	414/32 Attention 79632 84469 59075 ... 61375 61082 63954 Attention, rpt msg, out	USB	(AB)
E11a	14753	20-5	Fri	0710	634/38 Attention 69241 26330 25427 ... 55317 80614 71588 Attention, rpt msg, out	USB	(AB)
E11a	13537	20-5	Fri	1225	520/33 attention 12244 59039 15135 ... 05968 79646 29010 attention, rpt msg, out	USB	(PW2)
E11a	8530	20-5	Fri	2000	576/39 Attention 05353 21852 82149 ... 89419 85253 17792 Attention, rpt msg, out	USB	(GHn/MPJ)
E11a	8530	20-5	Fri	2000	576/39 attention 05353 21352 82149 ... 89419 84253 17792 attention, rpt msg, out	USB	(PW2)
E11a	14975	22-5	Sun	0805	316/35 Attention ...	USB	(F4LKC)
E11a	4783	22-5	Sun	1605	232/36 Attention 38986 88816 91453 ... 84913 38146 61890 Attention, rpt msg, out	USB	(AnEur)
E11a	15795	22-5	Sun	1625	978/34 Attention 45796 11924 19530 ... 47860 45946 46884 Attention, rpt msg, out	USB	(AnEur)
E11a	10213	25-5	Wed	0930	271/36 Attention 33383 37343 31152 ... 54669 48810 49273 Attention, rpt msg, out	USB	(AnEur)
E11a	10302	25-5	Wed	1205	463/37 Attention 24128 33920 48397 ... 22184 01201 98626 Attention, rpt msg, out	USB	(AnEur)
E11a	15632	26-5	Thu	0745	330/34 Attention 42039 47443 19316 ...	USB	(F5JBR)
E11a	10356	26-5	Thu	1530	266/40 Attention 34730 89762 68926 91594 93736 ... 78917 49577 66486 09332 64121 Out	USB	(MPJ)
E17z	16780	5-5	Thu	0800	674 258 9 37391 37446 86525 89203 33244 39054 35843 37259 37633 258 9 00000	USB	(AB/HFD)
E17z	12850	5-5	Thu	0810	674 258 9 37391 37446 86525 89203 33244 39054 35843 37259 37633 258 9 00000	USB	(AB/HFD)
E17z	16780	12-5	Thu	0800	674 258 9 37391 37446 86525 89203 33244 39054 35843 37259 37633 258 9 00000	USB	(AB)
E17z	12850	12-5	Thu	0810	674 258 9 37391 37446 86525 89203 33244 39054 35843 37259 37633 258 9 00000	USB	(AB)
E17z	16780	19-5	Thu	0800	674 953 8 88620 58069 61732 74537 57440 10597 23521 47660 953 8 00000	USB	(AB)
E17z	12850	19-5	Thu	0810	674 953 8 88620 58069 61732 74537 57440 10597 23521 47660 953 8 00000	USB	(AB/PW2)
E17z	16780	26-5	Thu	0800	674 953 8 88620 58069 65732 74537 57440 50597 23525 47660 953 8 00000	USB	(F5JBR)
E25	6140	3-5	Tue	0636	Carrier switching on and off for about 2 minutes.	AM	(qsr711)
E25	6140	3-5	Tue	0813	Windows sounds, clicks. 185 189 Message 1096 1230 3325 4416 5295 1230 3325 4416 5295 1 1 1 Rebeat 1096 1230 3325 4416 5295 1230 1234 End of Mes- sage	AM	(AB-ISR/qsr711)
E25	6140	3-5	Tue	0836	Clicks and a part of Uum Kulthum music	AM	(AB-ISR/qsr711)
E25	6140	3-5	Tue	1023	Windows sounds, beeps. 672 1025 9083 1652 9122 8312 4532 6652	AM	(MG/qsr711)
E25	9600	3-5	Tue	1030	Test. Oriental music.	AM	(MG)
E25	6140	3-5	Tue	1038	672 672 672 672 Failed transmission, Enta Omri before.	AM	(PW2)
E25	6140	4-5	Wed	0842	Clicks, a few tones of music 169 Message 1049 0620 9164 3371 5977 9936 7106 Rebeat 1049 0620 9164 3371 977 9936 7106 EoM EoT	AM	(AB/qsr711)
E25	6140	4-5	Wed	1030	672 Message 1025 9083 1652 9122 8312 4532 6652 Rebeat 1025 9083 1652 9122 8312 4532 6652 End of Message. End of Transmission	AM	(qsr711)

E25	6140	5-5	Thu	0843	Clicks, windows sounds, carrier on and off	AM	(AB)
E25	6140	5-5	Thu	0848	Carrier switching on and off, beeps and windows 7 sounds noted.	AM	(qsr711)
E25	6140	5-5	Thu	0907	Clicks, Windows sounds, technical problems 169 Message 1049 0620 9164 3371 5977 9936 7106 Rebeat 1049 0620 9164 3371 5977 9936 7106 EoM EoT	AM	(AB)
E25	6140	9-5	Mon	0830	701 Message 2415 7580 1001 3732 0545 1887 4857 7705 3321 7580 Windows sounds, clicks	AM	(PW2/qsr711)
E25	6140	10-5	Tue	0835	701 Message 2415 7580 1001 3732 0545 1887 4857 7705 3321 7580 Rebeat 2415 7580 1001 3732 0545 1887 457 7705 3321 780 EOM EOT. Clicks	AM	(AB-ISR)
E25	6140	10-5	Tue	0935	repeat of 09-05 830z	AM	(PW2)
E25	6140	15-5	Sun	0940	Carrier switching on and off	AM	(qsr711)
E25	9600	16-5	Mon	0910	test transmission regular test transmission although very early.	AM	(qsr711)
E25	6140	18-5	Wed	1000	Carrier with some Enta Omri. Music ends abruptly 8 minutes later with the transmitter switching off	AM	(qsr711)
E25	6140	18-5	Wed	1035	701 Message 2415 7580 1001 3732 0545 1887 4857 7705 3321 7580 Rebeat 2415 7580 1001 3732 0545 1887 4857 7705 3321 7580. Windows sounds	AM	(qsr711/PW2)
E25	6140	21-5	Sat	0655	Carrier with some Enta Omri.	AM	(qsr711)
E25	6140	21-5	Sat	1000	Carrier switching on and off	AM	(qsr711)
E25	9400	21-5	Sat	1010	Transmitter test. Test includes test tones and Arabic music.	AM	(qsr711)
E25	6140	21-5	Sat	1020	Carrier switching on and off	AM	(qsr711)
E25	6140	21-5	Sat	1035	Carrier switching on and off	AM	(qsr711)
EGY	14444	22-5	Sun	1821	99910: MFA Cairo clg 11103 Bern	Codan Chirp/80/2800	(PPA)
F06a	7992	6-5	Fri	1520	GRU test. Msg 1: 11100 10129 56574 0_024 00329. Msg 2: 11100 10129 00000 0_004 01349. Corrupted 5FG's jn both msgs	ASCII 200/1000 inverted	(Danix)
G06	7320	2-5	Mon	0800	329 329 329 00000	USB	(AB/HFD)
G06	6956	4-5	Wed	1300	574 071 137 04593 78423 10208 ... 20388 10607 16049 071 137 00000	USB	(AB)
G06	9073	4-5	Wed	1550	975 GRU test	USB	(PW2)
G06	9073	4-5	Wed	1600	975 23456 00000 GRU test using DCS (Dynamic Carrier Suppression)	USB	(PW2)
G06	5890	5-5	Thu	1300	329 329 329 00000	USB	(AB/HFD)
G06	5348	9-5	Mon	1641	Test: 1 1 1	USB	(AB)
G06	5348	9-5	Mon	1648	Test: 1 1 1	USB	(AB)
G06	5348	9-5	Mon	1650	Test: 1 1 1	USB	(AB)
G06	5348	9-5	Mon	1659	574 071 137 04593 78423 10208 ... 20388 10607 16049 071 137 00000	USB	(AB/MPIJ)
G06	5859	9-5	Mon	1753	Test: 1 1	USB	(AB)
G06	5859	9-5	Mon	1759	574 071 137 04593 78423 10208 ... 20388 10607 16049 071 137 00000	USB	(AB)
G06	7425	11-5	Wed	1159	574 071 137 04593 78423 10208 ... 20388 10607 16049 071 137 00000 (one minute early)	USB	(AB/HFD)
G06	6887	12-5	Thu	1830	842 317 90 37839 35787 9827 ... 64848 85748 84784 317 90 00000	USB	(GHn/PW2/HFD)
G06	5943	13-5	Fri	1930	218 317 92 36839	USB	(HFD)
G06	10755	16-5	Mon	1300	GRU test. 975 98743 (R) 00000	USB	(Priyom Team)
G06	5890	19-5	Thu	1300	329 329 329 00000	USB	(AB)
G06	6887	26-5	Thu	1830	842 569 63 14259 22676 32782 32782 76723 ... 87876 99877 32333 43433 54545 569 63 00000	USB	(MPJ)
G08	7320	16-5	Mon	0800	329 329 329 00000	USB	(AB)
HM01	11435	1-5	Sun	1630	11666 28605 51846 43044 76593 88475	AM/RDFT	(RR2)
HM01	9330	2-5	Mon	0659	11666 28605 51846 43044 76593 88475	AM/RDFT	(AB)
HM01	9065	2-5	Mon	0759	11666 28605 51846 43044 76593 88475	AM/RDFT	(AB)
HM01	9240	2-5	Mon	0859	11666 28605 51846 43044 76593 88475	AM/RDFT	(AB)
HM01	11435	3-5	Tue	1600	11668 28607 51848 43046 76595 88477	AM/RDFT	(RR2)
HM01	11435	4-5	Wed	1558	65811 06321 20081 43048 76597 88479	AM/RDFT	(RR2)
HM01	11435	4-5	Wed	1600	65811 06321 20081 43047 76596 88478 Three new groups (after two 8's and a 7 yesterday)	AM/RDFT	(AB)
HM01	11530	4-5	Wed	1731	65811 06321 20081 43047 76596 88478	AM/RDFT	(DSch)

HM01	11635	4-5	Wed	1801	65811 06321 20081 43047 76596 88478	AM/RDFT	(DSch)
HM01	11635	4-5	Wed	2053	65811 06321 20081 43047 76596 88478	AM/RDFT	(DSch)
HM01	10715	4-5	Wed	2158	65811 06321 20081 43047 76596 88478	AM/RDFT	(DSch)
HM01	11435	5-5	Thu	1600	65814 06324 20084 18812 68621 57532	AM/RDFT	(RR2)
HM01	11435	5-5	Thu	1603	65811 06321 20081 43048 76597 88479	AM/RDFT	(DSch)
HM01	11530	5-5	Thu	1702	65811 06321 20081 43048 76597 88479	AM/RDFT	(DSch)
HM01	11635	5-5	Thu	1800	65811 06321 20081 43048 76597 88479	AM/RDFT	(DSch)
HM01	16180	5-5	Thu	2141	65811 06321 20081 43048 76597 88479	AM/RDFT	(DSch)
HM01	17480	5-5	Thu	2201	65811 06321 20081 43048 76597 88479	AM/RDFT	(DSch)
HM01	11435	6-5	Fri	1603	65813 06323 20083 18811 68621 57531	AM/RDFT	(DSch)
HM01	11435	6-5	Fri	1603	65813 06323 20083 18811 68621 57531	AM/RDFT	(DSch)
HM01	11435	6-5	Fri	1605	65813 06323 20083 18811 68621 57531	AM/RDFT	(RR2)
HM01	11635	6-5	Fri	1801	65813 06323 20083 18811 68621 57531	AM/RDFT	(DSch)
HM01	11635	6-5	Fri	1801	65813 06323 20083 18811 68621 57531	AM/RDFT	(DSch)
HM01	11462	7-5	Sat	0504	65813 06323 20083 18811 68621 57531. Late start	AM/RDFT	(AB)
HM01	14375	7-5	Sat	0559	65813 06323 20083 18811 68621 57531	AM/RDFT	(AB)
HM01	13435	7-5	Sat	0705	65813 06323 20083 18811 68621 57531. Late start	AM/RDFT	(AB)
HM01	11635	7-5	Sat	0759	65813 06323 20083 18811 68621 57531	AM/RDFT	(AB)
HM01	11435	7-5	Sat	1552	Sends yesterday groups, then into new ones: 65814 06324 20084 18812 68621 57532	AM/RDFT	(DSch)
HM01	11530	7-5	Sat	1700	65814 06324 20084 18812 68621 57532	AM/RDFT	(DSch)
HM01	11635	7-5	Sat	1816	65814 06324 20084 18812 68621 57532	AM/RDFT	(DSch)
HM01	16180	7-5	Sat	2102	65814 06324 20084 18812 68621 57532	AM/RDFT	(DSch)
HM01	11435	8-5	Sun	1630	65815 06325 20085 18813 68622 57533	AM/RDFT	(RR2)
HM01	11530	8-5	Sun	1731	65815 06325 20085 18813 68622 57533	AM/RDFT	(DSch)
HM01	11635	8-5	Sun	2115	65815 06325 20085 18813 68622 57533	AM/RDFT	(skip)
HM01	10860	9-5	Mon	0500	65815 06325 20085 18813 68622 57533	AM/RDFT	(AB)
HM01	10345	9-5	Mon	0557	65815 06325 20085 18813 68622 57533	AM/RDFT	(AB)
HM01	9330	9-5	Mon	0657	65815 06325 20085 18813 68622 57533	AM/RDFT	(AB)
HM01	11435	9-5	Mon	1600	Starts with yesterday groups, then into new groups: 65816 06326 20086 18814 68623 57534	AM/RDFT	(DSch)
HM01	11435	9-5	Mon	1600	65816 06326 20086 18814 68623 57534	AM/RDFT	(RR2)
HM01	11530	9-5	Mon	1714	65816 06326 20086 18814 68623 57534	AM/RDFT	(DSch)
HM01	11635	9-5	Mon	1800	65816 06326 20086 18814 68623 57534	AM/RDFT	(DSch)
HM01	11635	9-5	Mon	2145	65816 06326 20086 18814 68623 57534	AM/RDFT	(CtY)
HM01	10715	9-5	Mon	2201	65816 06326 20086 18814 68623 57534	AM/RDFT	(DSch)
HM01	11435	10-5	Tue	1600	65817 06327 20087 18815 68624 57535	AM/RDFT	(RR2)
HM01	10860	11-5	Wed	0501	65817 06327 20087 18815 68624 57535. Late start	AM/RDFT	(AB)
HM01	11530	11-5	Wed	1700	11811 06328 20088 18816 68625 57536	AM/RDFT	(RR2)
HM01	11635	11-5	Wed	2049	11811 06328 20088 18816 68625 57536 Files: 42301181.TXT, 80010632.TXT, 86222008.TXT, 04711881.TXT, 36576862.F1G, 54715753.TXT	AM	(PW2)
HM01	10715	11-5	Wed	2155	11811 06328 20088 18816 68625 57536	AM/RDFT	(DSch)
HM01	10715	11-5	Wed	2155	11811 06328 20088 18816 68625 57536	AM/RDFT	(DSch)
HM01	11462	12-5	Thu	0459	11811 06328 20088 18816 68625 57536	AM/RDFT	(AB)
HM01	13435	12-5	Thu	0659	11811 06328 20088 18816 68625 57536	AM/RDFT	(AB)
HM01	11435	12-5	Thu	1602	11811 44871 20089 18817 68626 57537	AM/RDFT	(RR2)
HM01	11530	12-5	Thu	1731	11811 44871 20089 18817 68626 57537	AM/RDFT	(DSch)
HM01	11635	12-5	Thu	1810	11811 44871 20089 18817 68626 57537	AM/RDFT	(DSch)
HM01	10860	13-5	Fri	0457	11811 44871 20089 18817 68626 57537	AM/RDFT	(AB)
HM01	10345	13-5	Fri	0557	11811 44871 20089 18817 68626 57537	AM/RDFT	(AB)
HM01	11435	13-5	Fri	1600	11812 44871 43761 27731 68627 74331	AM/RDFT	(RR2)
HM01	11635	13-5	Fri	1759	11812 44871 43761 27731 68627 74331	AM	(PW2)
HM01	11635	13-5	Fri	1800	11812 44871 43761 27731 68627 74331	AM/RDFT	(DSch)
HM01	11462	14-5	Sat	0457	11812 44871 43761 27731 68627 74331	AM/RDFT	(AB)
HM01	14375	14-5	Sat	0559	11812 44871 43761 27731 68627 74331	AM/RDFT	(AB)
HM01	13435	14-5	Sat	0657	11812 44871 43761 27731 68627 74331	AM/RDFT	(AB)
HM01	11435	14-5	Sat	1600	11813 44872 43761 27731 68628 74331	AM/RDFT	(RR2)
HM01	11635	14-5	Sat	1800	11813 44872 43761 27731 68628 74331	AM/RDFT	(DSch)
HM01	10860	15-5	Sun	0500	11813 44872 43761 27731 68628 74331	AM/RDFT	(AB)
HM01	10345	15-5	Sun	0557	11813 44872 43761 27731 68628 74331	AM/RDFT	(AB)
HM01	9330	15-5	Sun	0657	11813 44872 43761 27731 68628 74331	AM/RDFT	(AB)
HM01	9065	15-5	Sun	0757	11813 44872 43761 27731 68628 74331	AM/RDFT	(AB)
HM01	9240	15-5	Sun	0857	11813 44872 43761 27731 68628 74331	AM/RDFT	(AB)

HM01	9155	15-5	Sun	0957	11813 44872 43761 27731 68628 74331	AM/RDFT	(AB)
HM01	11435	15-5	Sun	1600	11814 44873 43762 27732 01131 74332	AM/RDFT	(RR2)
HM01	11530	15-5	Sun	1700	11814 44873 43762 27732 01131 74332	AM/RDFT	(DSch)
HM01	11462	16-5	Mon	0500	11814 44873 43762 27732 01131 74332	AM/RDFT	(AB)
HM01	10345	16-5	Mon	0557	11814 44873 43762 27732 01131 74332	AM/RDFT	(AB)
HM01	11435	16-5	Mon	1559	11815 44874 43763 27733 01131 74333	AM/RDFT	(RR2)
HM01	11530	16-5	Mon	1749	11815 44874 43763 27733 01131 74333	AM/RDFT	(DSch)
HM01	11635	16-5	Mon	1800	11815 44874 43763 27733 01131 74333	AM/RDFT	(DSch)
HM01	11462	17-5	Tue	0500	11815 44874 43763 27733 01131 74333	AM/RDFT	(AB)
HM01	14375	17-5	Tue	0600	11815 44874 43763 27733 01131 74333	AM/RDFT	(AB)
HM01	11435	17-5	Tue	1600	11816 44875 43764 27734 01132 74334	AM/RDFT	(RR2)
HM01	11635	17-5	Tue	1808	11816 44875 43764 27734 01132 74334	AM/RDFT	(DSch)
HM01	10860	18-5	Wed	0457	11816 44875 43764 27734 01132 74334	USB	(AB)
HM01	10345	18-5	Wed	0557	11816 44875 43764 27734 01132 74334	USB	(AB)
HM01	9330	18-5	Wed	0702	11816 44875 43764 27734 01132 74334. Late start	USB	(AB)
HM01	11435	18-5	Wed	1559	43031 44876 43765 27735 01133 74335	AM/RDFT	(RR2)
HM01	11530	18-5	Wed	1745	43031 44876 43765 27735 01133 74335	AM/RDFT	(DSch)
HM01	10715	18-5		2247	i.p., at 2250z briefly Radio Habana's French language broadcast	AM/RDFT	(MDK2)
HM01	11462	19-5	Thu	0457	43031 44876 43765 27735 01133 74335	AM/RDFT	(AB)
HM01	14375	19-5	Thu	0557	43031 44876 43765 27735 01133 74335	AM/RDFT	(AB)
HM01	13435	19-5	Thu	0657	43031 44876 43765 27735 01133 74335	AM/RDFT	(AB)
HM01	11435	19-5	Thu	1600	43032 44877 43766 27736 01134 74336	AM/RDFT	(RR2)
HM01	11530	19-5	Thu	1744	43032 44877 43766 27763 01134 74336	AM/RDFT	(DSch)
HM01	10860	20-5	Fri	0457	43032 44877 43766 27736 01134 74336	USB	(AB)
HM01	10345	20-5	Fri	0557	43032 44877 43766 27736 01134 74336	USB	(AB)
HM01	9330	20-5	Fri	0657	43032 44877 43766 27736 01134 74336	USB	(AB)
HM01	11425	20-5	Fri	1600	43033 70351 43767 27737 01135 74337	AM/RDFT	(RR2)
HM01	11530	20-5	Fri	1744	43033 70351 43767 27737 01135 74337	AM/RDFT	(DSch)
HM01	11635	20-5	Fri	1800	43033 70351 43767 27737 01135 74337	AM/RDFT	(DSch)
HM01	11530	21-5	Sat	1700	43034 70351 43768 10211 01136 74338	AM/RDFT	(RR2)
HM01	10715	22-5	Sun	2200	43035 70352 06831 10211 01137 74339	AM/RDFT	(RR2)
HM01	11435	24-5	Tue	1600	43036 70353 06831 10212 01138 71241	AM/RDFT	(RR2)
HM01	16180	24-5	Tue	2050	Radio Habana on and off till 2059z, then into first 4 groups, sent twice. Then: 43037 70354 06832 10213 01139 71241	AM/RDFT	(RR2)
HM01	11530	25-5	Wed	1750	45611 70355 06833 10214 24401 71242	AM/RDFT	(DSch)
HM01	11635	25-5	Wed	1800	45611 70355 06833 10214 24401 71242	AM/RDFT	(DSch)
HM01	10715	25-5	Wed	2231	45611 70355 06833 10214 24401 71242	AM/RDFT	(DSch)
HM01	11435	26-5	Thu	1600	45611 70356 06834 10215 24401 71243	AM/RDFT	(RR2)
HM01	11435	26-5	Thu	1700	45611 70355 06833 10214 24401 71242	AM/RDFT	(RR2)
HM01	11530	26-5	Thu	1701	45611 70356 06834 10215 24401 71243	AM/RDFT	(DSch)
HM01	11635	26-5	Thu	1801	45611 70356 06834 10215 24401 71243	AM/RDFT	(DSch)
HM01	11435	27-5	Fri	1600	45612 70357 06835 10216 24402 71244	AM/RDFT	(RR2)
HM01	11530	27-5	Fri	1700	45612 70357 06835 10216 24402 71244	AM/RDFT	(DSch)
HM01	11435	28-5	Sat	1600	45613 70358 06836 10217 24403 71245	AM/RDFT	(RR2)
HM01	11435	28-5	Sat	1620	45613 70358 06836 10217 24403 71245	AM/RDFT	(DSch)
HM01	10860	29-5	Sun	0502	45613 70358 06836 10217 24403 71245	AM/RDFT	(PPA)
HM01	11435	29-5	Sun	1556	Sends yesterday groups then 45614 70359 06837 10218 24404 71246 at 1600z	AM/RDFT	(DSch)
HM01	11635	29-5	Sun	2100	45614 70359 06837 10218 24404 71246	AM/RDFT	(RR2)
HM01	11635	29-5		2140	Spanish numbers	AM/RDFT	(CtY)
HM01	11530	30-5	Mon	1701	45615 41611 06838 10219 24405 71247	AM/RDFT	(DSch)
HM01	11530	30-5	Mon	1730	45615 41611 06838 10219 24405 71247	AM/RDFT	(RR2)
HM02	7351	1-5	Sun	0446	721 70 = 64045 21536 95866 ... 82478 07794 66807 = 721 70 721 70 = rpt msg = 721 70 000	FSK-19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	2-5	Mon	0449	791 64 = 47800 41322 84209 ... 04422 47168 82044 = 791 64 791 64 = rpt msg = 791 64 000	FSK-19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	3-5	Tue	0443	682 62 = 82790 41583 53634 ... 10233 79278 78076 = 682 62 682 62 = rpt msg = 682 62 000	FSK-19.8bd/129Hz/FS K-CW	(AB/BR)

HM02	7351	4-5	Wed	0441	573 65 = 23440 13764 16166 ... 41122 13492 96374 = 573 65 573 65 = rpt msg = 573 65 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	5-5	Thu	0440	414 58 = 37864 91799 88974 ... 45614 25428 03888 = 414 58 414 58 = rpt msg = 414 58 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	6-5	Fri	0445	365 67 = 27954 63059 05668 ... 82462 23140 84517 = 365 67 365 67 = rpt msg = 365 67 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	7-5	Sat	0438	276 63 = 80951 76787 20594 ... 99406 76765 07136 = 276 63 276 63 = rpt msg = 276 63 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	8-5	Sun	0447	999 127 66 = 95396 42885 34978 ... 35273 37553 57387 = 127 66 127 66 = rpt msg = 127 66 000	FSK- 19.8bd/129Hz/FS K-CW	(BR)
HM02	7351	9-5	Mon	0441	945 69 = 83949 57995 32323 ... 36710 85730 26372 = 945 69 945 69 = rpt msg = 945 69 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	10-5	Tue	0439	105 54 = 71350 57962 11011 ... 67026 99164 81092 = rpt msg = 105 54 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	11-5	Wed	0442	323 70 = 01904 67017 18397 ... 42547 38992 47409 = 323 70 323 70 = rpt msg = 323 70 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	12-5	Thu	0445	273 62 = 20037 78059 60272 ... 55224 86951 18412 = 273 62 273 62 = rpt msg = 273 62 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7352	13-5	Fri	0437	Off freq. 369 68 = 74243 67712 51484 ... 49297 22945 85261 = 369 68 369 68 = rpt msg = 369 68 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	14-5	Sat	0443	632 68 = 08254 55119 98922 ... 63246 60620 34972 = 632 68 632 68 = rpt msg = 632 68 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	15-5	Sun	0440	816 62 = 15555 67818 56634 ... 81614 68005 29457 = 816 62 816 62 = rpt msg = 816 62 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	16-5	Mon	0446	9 9 9 (hand sent) 520 68 = 80898 53131 05535 ... 52053 77573 50247 = 520 68 520 68 = rpt msg = 520 68 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	17-5	Tue	0441	945 65 = 62253 45475 31856 ... 52825 02100 77581 = 945 65 945 65 = rpt msg = 645 65 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	18-5	Wed	0442	235 71 = 39008 87969 39898 ... 92365 23522 89080 = 235 71 235 71 = rpt msg = 235 71 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	19-5	Thu	0440	483 68 = 34062 01423 20736 ... 77790 65032 00080 = 483 68 483 68 = rpt msg = 483 68 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	20-5	Fri	0440	999 (hand sent) 176 68 = 66421 60493 39846 ... 36944 14176 43345 = 176 68 176 68 = rpt msg = 176 68 000	FSK- 19.8bd/129Hz/FS K-CW	(AB/BR)
HM02	7351	21-5	Sat	0438	814 68 = 95015 94163 49844 ... 37897 81454 61915 = 814 68 814 68 = rpt msg = = 814 68 000	FSK- 19.8bd/129Hz/FS K-CW	(BR)
HM02	7351	22-5	Sun	0438	712 62 = 99064 06630 37559 ... 97197 08557 62320 = 712 62 712 62 = rpt msg = 712 62 000	FSK- 19.8bd/129Hz/FS K-CW	(BR)
HM02	7351	23-5	Mon	0442	235 62 = 32340 55014 66989 ... 98081 09882 02769 = 235 62 235 62 = rpt msg = 235 62 000	FSK- 19.8bd/129Hz/FS K-CW	(BR)
HM02	7351	24-5	Tue	0440	348 67 = 44226 91016 93871 ... 32323 28071 49315 = 348 67 348 67 = rpt msg = 348 67 000	FSK- 19.8bd/129Hz/FS K-CW	(BR)
HM02	7351	25-5	Wed	0446	571 71 = 57927 14860 92371 ... 87484 10794 22295 = 571 71 571 71 = rpt msg = 571 71 000	FSK- 19.8bd/129Hz/FS K-CW	(BR)

HM02	7351	26-5	Thu	0448	247 65 = 09720 34403 60708 ... 31060 76300 94475 = 247 65 247 65 = rpt msg = 247 65 000	FSK- 19.8bd/129Hz/FS K-CW	(BR)
HM02	7351	27-5	Fri	0445	593 64 = 33036 72064 39065 ... 55998 32151 42162 = 593 64 593 64 = rpt msg = 593 64 000	FSK- 19.8bd/129Hz/FS K-CW	(BR)
HM02	7351	28-5	Sat	0445	896 62 = 40859 85162 35861 ... 13984 48229 42033 = 896 62 896 62 rpt msg = 896 62 000	FSK- 19.8bd/129Hz/FS K-CW	(BR)
HM02	7351	29-5	Sun	0445	704 63 = 84796 61204 91378 ... 82818 98526 89529 = 704 63 704 63 = rpt msg = 704 63 000	FSK- 19.8bd/129Hz/FS K-CW	(BR)
HM02	7351	30-5	Mon	0444	135 65 = 40036 13909 69100 ... 19606 64520 49405 = 135 65 135 65 = rpt msg = 135 65 000	FSK- 19.8bd/129Hz/FS K-CW	(BR)
HM02	7351	31-5	Tue	0446	264 67 = 18856 06363 10585 ... 15932 11885 21864 = 264 67 264 67 = rpt msg = 264 67 000	FSK- 19.8bd/129Hz/FS K-CW	(BR)
M01	6780	1-5	Sun	0700	025	CW	(HFD)
M01	4905	3-5	Tue	2000	025 407 32 = = 49365 43602 07584 35513 33864 ... 80572 44838 96396 78099 29074 = = 407 32 000	CW	(MPJ)
M01	5280	5-5	Thu	1800	025	CW	(HFD)
M01	4905	5-5	Thu	2000	025 114 30 68007	CW	(HFD)
M01	5280	10-5	Tue	1800	025 145143030 (as sent) = = 41590 _1655 88270 36111 22160 ... 08740 98771 19257 _0042 44554 = = 14143030	CW	(MPJ)
M01	4905	12-5	Thu	2000	025 143 30 = = 67742 70767 76529 36680 46379 ... 91432 64032 10516 59557 73871 = = 143 30 000	CW	(MPJ)
M01	5280	24-5	Tue	1800	025 714 30 = = 63601 4_913 38272 93515 72752 ... (fading)	CW	(MPJ)
M01	4905	31-5	Tue	2000	025 703 30 = = 35980 99121 77081 29153 91546 ... 37066 41831 56703 31629 45474 = = 703 30 000	CW	(MPJ)
M01a	5226	23-5	Mon	1524	154 154 154 179 93. 154 154 154 179 93. 177 91 333. 111 999. 111 999. 111 000	CW	(F5JBR)
M01b	5125	2-5	Mon	1810	364 748 34 = = 31440 03976 66639 54885 52757 ... 74719 42107 03977 85760 66003 = = 748 34 000 //5735 kHz	MCW	(MPJ)
M01b	5735	2-5	Mon	1810	364 748 34 = = 31440 03976 66639 54885 52757 ... 74719 42107 03977 85760 66003 = = 748 34 000 //5125 kHz	MCW	(MPJ)
M01b	5150	2-5	Mon	1925	858 748 34 = = 31440 03976 66639 54885 52757 ... 74719 42107 03977 85760 66003 = = 748 34 000	MCW	(MPJ)
M01b	5095	5-5	Thu	1832	815 748 34 = 31440 03976 66639 ... 03977 85760 66003 = 748 34 000 //5760 kHz	CW	(MPJ/HFD)
M01b	5760	5-5	Thu	1832	815 748 34 = 31440 03976 66639 ... 03977 85760 66003 = 748 34 000 //5095 kHz	CW	(MPJ/HFD)
M01b	5805	5-5	Thu	1942	936 748 34 = 31440 03976 66639 ... 03977 85760 66003 = 748 34 000 //5065 kHz	CW	(MPJ/HFD)
M01b	5065	5-5	Thu	1942	936 748 34 = 31440 03976 66639 ... 03977 85760 66003 = 748 34 000 //5805 kHz	CW	(MPJ/HFD)
M01b	5075	6-5	Fri	1902	336 748 34 31440 //5465	CW	(HFD)
M01b	5465	6-5	Fri	1902	336 748 34 31440 //5075	CW	(HFD)
M01b	4895	6-5	Fri	2010	467 748 34 31440	CW	(HFD)
M01b	5735	9-5	Mon	1810	364 748 34 = = 31440 03976 66639 54885 62757 ... 84719 42107 03977 85760 66003 = = 748 34 000 //5125 kHz	MCW	(MPJ)
M01b	5125	9-5	Mon	1810	364 748 34 = = 31440 03976 66639 54885 62757 ... 84719 42107 03977 85760 66003 = = 748 34 000 //5735 kHz	MCW	(MPJ)
M01b	5150	9-5	Mon	1915	858 748 34 = = 31440 03976 66639 54885 62757 ... 84719 42107 03977 85760 66003 = = 748 34 000 //5475 kHz	MCW	(MPJ)
M01b	5475	9-5	Mon	1915	858 748 34 = = 31440 03976 66639 54885 62757 ... 84719 42107 03977 85760 66003 = = 748 34 000 //5150 kHz	MCW	(MPJ)

M01b	5805	12-5	Thu	1942	936 647 50 = = 06723 69310 20452 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000	MCW	(MPJ)
M01b	5075	13-5	Fri	1902	336 647 50 = = 06723 69310 20452 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000 //5475 kHz	MCW	(MPJ)
M01b	5465	13-5	Fri	1902	336 647 50 = = 06723 69310 20452 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000 //5075 kHz	MCW	(MPJ)
M01b	5216	16-5	Mon	1809	364 647 50 = = 06722 ... = 647 50 000	CW	(F5JBR)
M01b	5125	16-5	Mon	1810	364 647 50 06723 //5735	CW	(HFD)
M01b	5735	16-5	Mon	1810	364 647 50 06723 //5125	CW	(HFD)
M01b	5150	16-5	Mon	1915	858 647/50 06723 //5475	CW	(HFD)
M01b	5150	16-5	Mon	1915	858 647 50 = = 06723 69310 20452 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000 //5475 kHz	MCW	(MPJ)
M01b	5475	16-5	Mon	1915	858 647 50 = = 06723 69310 20452 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000 //5150 kHz	MCW	(MPJ/HFD)
M01b	5760	19-5	Thu	1832	815 647 50 = = 06723 69310 20452 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000 //5095 kHz	MCW	(MPJ)
M01b	5095	19-5	Thu	1832	815 647 50 = = 06723 69310 20452 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000 //5760 kHz	MCW	(MPJ)
M01b	5805	19-5	Thu	1942	936 647 50 = = 06723 69310 20452 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000 //5065 kHz	MCW	(MPJ)
M01b	5065	19-5	Thu	1942	936 647 50 = = 06723 69310 20452 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000 //5805 kHz	MCW	(MPJ)
M01b	5125	23-5	Mon	1810	364 647 50 = = 06723 69310 20352 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000 //5735 kHz	MCW	(MPJ)
M01b	5735	23-5	Mon	1810	364 647 50 = = 06723 69310 20352 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000 //5125 kHz	MCW	(MPJ)
M01b	5475	23-5	Mon	1915	858 647 50 = = 06723 69310 20352 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000 //5150 kHz	MCW	(MPJ)
M01b	5150	23-5	Mon	1915	858 647 50 = = 06723 69310 20352 43883 02167 ... 51041 65397 74769 28132 82810 = = 647 50 000 //5475 kHz	MCW	(MPJ)
M01b	5065	26-5	Thu	1942	936 647 50 = = 06723 68310 20452 43883 02167 ... 28591 //5805 kHz	MCW	(MPJ)
M01b	5805	26-5	Thu	1942	936 647 50 = = 06723 68310 20452 43883 02167 ... 28591 //5065 kHz	MCW	(MPJ)
M01b	5465	27-5	Fri	1902	336 647 50 = 06723 69310 28132 82810 000 //5075 kHz	CW	(Edd)
M01b	5075	27-5	Fri	1902	336 647 50 = 06723 69310 28132 82810 000 //5465 kHz	CW	(Edd)
M01b	5340	27-5	Fri	2009	467 647 50 = 06723 69310 28132 82810 000 //4895 kHz	CW	(Edd)
M01b	4895	27-5	Fri	2009	467 647 50 = 06723 69310 28132 82810 000 //5340 kHz	CW	(Edd)
M08a	7554	5-5	Thu	2001	ARRDA DTAWN UDUGA	CW	(DSch)
M12	12205	2-5	Mon	1100	973 1 (R) 8289 118 08209 02233 97153 ... 53018 10064 54705 000 000	CW	(AB/HFD)
M12	13559	2-5	Mon	1120	973 1 (R) 8289 118 08209 02233 97153 ... 53018 10064 54705 000 000	CW	(AB/HFD)
M12	14728	2-5	Mon	1140	973 1 (R) 8289 118 08209 02233 97153 ... 53018 10064 54705 000 000	CW	(AB/HFD)
M12	9176	2-5	Mon	1800	257 1 (R) 3001 142 15668 39137 58039 ... 12872 07977 68810 000 000	CW	(AB/MPJ/HFD)
M12	7931	2-5	Mon	1820	257 1 (R) 3001 142 15668 39137 58039 ... 12872 07977 68810 000 000	CW	(AB/MPJ/HFD)

M12	6905	2-5	Mon	1840	257 1 (R) 3001 142 15668 39137 58039 ... 12872 07977 68810 000 000	CW	(AB/MPJ)
M12	6904	2-5	Mon	1840	257 1	CW	(HFD)
M12	9176	2-5	Mon	1900	257 1 7578 80 46376 13223 37_04 52935 26998 ... 70003 30602 93105 70456 28066 000 000	CW	(MPJ)
M12	7931	2-5	Mon	1920	257 1 7578 80 46376 13223 37_04 52935 26998 ... 70003 30602 93105 70456 28066 000 000	CW	(MPJ)
M12	6904	2-5	Mon	1940	257 1 7578 80 46376 13223 37_04 52935 26998 ... 70003 30602 93105 70456 28066 000 000	CW	(MPJ)
M12	9176	4-5	Wed	1800	257 1 4981 137 10843 65215 54546 59101 86759 ... 57770 34882 51897 30657 31911 000 000	CW	(MPJ)
M12	7931	4-5	Wed	1820	257 1 4981 137 10843 65215 54546 59101 86759 ... 57770 34882 51897 30657 31911 000 000	CW	(MPJ)
M12	6904	4-5	Wed	1840	257 1 4981 137 10843 65215 54546 59101 86759 ... 57770 34882 51897 30657 31911 000 000	CW	(MPJ)
M12	8047	4-5	Wed	1900	463 1 5125 138 88924 75200 03046 16789 11020 ... 49269 48413 22002 09193 17356 000 000	CW	(MPJ)
M12	6802	4-5	Wed	1920	463 1 5125 138 88924 75200 03046 16789 11020 ... 49269 48413 22002 09193 17356 000 000	CW	(MPJ)
M12	5788	4-5	Wed	1940	463 1 5125 138 88924 75200 03046 16789 11020 ... 49269 48413 22002 09193 17356 000 000	CW	(MPJ)
M12	7984	5-5	Thu	0630	911 0	CW	(HFD)
M12	9184	5-5	Thu	0650	911 0	CW	(HFD)
M12	13926	5-5	Thu	1310	919 919 919 000	CW	(MPJ)
M12	12126	5-5	Thu	1330	919 919 919 000	CW	(MPJ)
M12	12162	5-5	Thu	1700	546 1 7284 85 37367 57540 83316 32338 54298 ... 43917 76134 76513 44595 39435 000 000	CW	(MPJ/HFD)
M12	11566	5-5	Thu	1720	546 1 7284 85 37367 57540 83316 32338 54298 ... 43917 76134 76513 44595 39435 000 000	CW	(MPJ/HFD)
M12	10711	5-5	Thu	1740	546 1 7284 85 37367 57540 83316 32338 54298 ... 43917 76134 76513 44595 39435 000 000	CW	(MPJ/HFD)
M12	11435	5-5	Thu	1800	938 1 1620 144 77016 23770 52290 10828 44293 ... 60467 50134 73530 20702 58124 000 000	CW	(MPJ)
M12	10598	5-5	Thu	1820	938 1 1620 144 77016 23770 52290 10828 44293 ... 60467 50134 73530 20702 58124 000 000	CW	(MPJ/F4LKC)
M12	9327	5-5	Thu	1840	938 1 1620 144 77016 23770 52290 10828 44293 ... 60467 50134 73530 20702 58124 000 000	CW	(MPJ)
M12	9176	5-5	Thu	1900	257 1 2208 103 49822 41855 73490 47576 19626 ... 09819 74178 21197 20725 87258 000 000	CW	(MPJ)
M12	7931	5-5	Thu	1920	257 1 2208 103 49822 41855 73490 47576 19626 ... 09819 74178 21197 20725 87258 000 000	CW	(MPJ)
M12	6904	5-5	Thu	1940	257 1 2208 103 49822 41855 73490 47576 19626 ... 09819 74178 21197 20725 87258 000 000	CW	(MPJ)
M12	13926	7-5	Sat	1310	919 919 919 000	CW	(MPJ)
M12	12126	7-5	Sat	1330	919 919 919 000	CW	(MPJ)
M12	9176	9-5	Mon	1800	257 1 9956 144 18824 93941 15130 94890 59127 ... 48235 93820 99547 86706 79262 000 000	CW	(MPJ)
M12	7931	9-5	Mon	1820	257 1 9956 144 18824 93941 15130 94890 59127 ... 48235 93820 99547 86706 79262 000 000	CW	(MPJ)
M12	6904	9-5	Mon	1840	257 1 9956 144 18824 93941 15130 94890 59127 ... 48235 93820 99547 86706 79262 000 000	CW	(MPJ)
M12	9176	9-5	Mon	1900	257 1 1002 82 47316 94933 17943 17600 72591 ... 97700 86372 90524 81929 07410 000 000	CW	(MPJ)
M12	7931	9-5	Mon	1920	257 1 1002 82 47316 94933 17943 17600 72591 ... 97700 86372 90524 81929 07410 000 000	CW	(MPJ)
M12	6904	9-5	Mon	1940	257 1 1002 82 47316 94933 17943 17600 72591 ... 97700 86372 90524 81929 07410 000 000	CW	(MPJ)
M12	16294	11-5	Wed	0710	215 215 215 000	CW	(AB)
M12	18194	11-5	Wed	0730	215 215 215 000	CW	(AB)
M12	9176	11-5	Wed	1800	257 1 702 138 42526 95027 50503 83694 73338 ... 29288 32272 97565 59544 16988 000 000	CW	(MPJ/HFD)
M12	7931	11-5	Wed	1820	257 1 702 138 42526 95027 50503 83694 73338 ... 29288 32272 97565 59544 16988 000 000	CW	(MPJ/HFD)
M12	6904	11-5	Wed	1840	257 1 702 138 42526 95027 50503 83694 73338 ... 29288 32272 97565 59544 16988 000 000	CW	(MPJ/HFD)

M12	8047	11-5	Wed	1900	463 1 9316 149 89741 78826 76054 64986 76008 ... 87510 68725 03861 20611 53079 000 000	CW	(MPJ)
M12	6802	11-5	Wed	1920	463 1 9316 149 89741 78826 76054 64986 76008 ... 87510 68725 03861 20611 53079 000 000	CW	(MPJ)
M12	5788	11-5	Wed	1940	463 1 9316 149 89741 78826 76054 64986 76008 ... 87510 68725 03861 20611 53079 000 000	CW	(MPJ)
M12	9184	12-5	Thu	0650	911 911 911 000	CW	(AB)
M12	13926	12-5	Thu	1310	919 1 (R) 1281 121 71702 97627 68401 ... 93389 12824 56719 000 000	CW	(AB/HFD)
M12	12126	12-5	Thu	1330	919 1 (R) 1281 121 71702 97627 68401 ... 93389 12824 56719 000 000	CW	(AB/HFD)
M12	10926	12-5	Thu	1350	919 1 (R) 1281 121 71702 97627 68401 ... 93389 12824 56719 000 000	CW	(AB/HFD)
M12	9327	12-5	Thu	1840	938 1 3255 149 25128 98318 02268 78459 17570 ... 23236 64223 60284 42274 33004 000 000	CW	(MPJ)
M12	9176	12-5	Thu	1900	257 1 1415 103 70321 73422 54083 36658 62290 ... 80169 71525 22875 60442 34304 000 000	CW	(MPJ/HFD)
M12	7931	12-5	Thu	1920	257 1 1415 103 70321 73422 54083 36658 62290 ... 80169 71525 22875 60442 34304 000 000	CW	(MPJ/HFD)
M12	6904	12-5	Thu	1940	257 1	CW	(HFD)
M12	6904	12-5	Thu	1940	257 1 1415 103 70321 73422 54083 36658 62290 ... 80169 71525 22875 60442 34304 000 000	CW	(MPJ)
M12	9167	14-5	Sat	0500	125 1 2154 83 93626 57551 07801 ... 58835 24476 65458 000 000	CW	(AB)
M12	10267	14-5	Sat	0520	125 1 2154 83 93626 57551 07801 ... 58835 24476 65458 000 000	CW	(AB)
M12	11566	14-5	Sat	0540	125 1 2154 83 93626 57551 07801 ... 58835 24476 65458 000 000	CW	(AB)
M12	13926	14-5	Sat	1310	919 1 (R) 1281 121 71702 97627 68401 ... 93389 12824 56719 000 000	CW	(AB/MPJ)
M12	12126	14-5	Sat	1330	919 1 (R) 1281 121 71702 97627 68401 ... 93389 12824 56719 000 000	CW	(AB/MPJ)
M12	10926	14-5	Sat	1350	919 1 (R) 1281 121 71702 97627 68401 ... 93389 12824 56719 000 000	CW	(AB/MPJ)
M12	6857	16-5	Mon	0430	850 850 850 000	CW	(HFD)
M12	7557	16-5	Mon	0450	850 850 850 000	CW	(HFD)
M12	7931	16-5	Mon	1820	257 1 4306 141 43039 33224 10229 40336 25123 ... 16024 46025 74771 76488 97930 000 000	CW	(MPJ)
M12	6904	16-5	Mon	1820	257 1 4306 141 43039 33224 10229 40336 25123 ... 16024 46025 74771 76488 97930 000 000	CW	(MPJ)
M12	9176	16-5	Mon	1900	257 1 3064 87 63176 19032 94760 00727 28629 ... 56203 47933 86355 10000 08783 000 000	CW	(MPJ)
M12	7931	16-5	Mon	1920	257 1 3064 87 63176 19032 94760 00727 28629 ... 56203 47933 86355 10000 08783 000 000	CW	(MPJ)
M12	6904	16-5	Mon	1940	257 1 3064 87 63176 19032 94760 00727 28629 ... 56203 47933 86355 10000 08783 000 000	CW	(MPJ)
M12	15951	18-5	Wed	1425	i.p. 33823 29611 92257 ... 18942 80495 45515 000 000	CW	(F5JBR)
M12	14451	18-5	Wed	1446	i.p. 33048 27797 54428 ... 18942 80495 45515 000 000	CW	(F5JBR)
M12	9176	18-5	Wed	1800	257 257 257 ...	CW	(F4LKC)
M12	7894	19-5	Thu	0630	911 911 911 000	CW	(AB)
M12	9184	19-5	Thu	0650	911 911 911 000	CW	(AB)
M12	13926	19-5	Thu	1310	919 1 (R) 7930 135 35537 21850 24040 ... 27380 98431 14254 000 000	CW	(AB)
M12	12126	19-5	Thu	1330	919 1 (R) 7930 135 35537 21850 24040 ... 27380 98431 14254 000 000	CW	(AB)
M12	10926	19-5	Thu	1350	919 1 (R) 7930 135 35537 21850 24040 ... 27380 98431 14254 000 000	CW	(AB)
M12	12162	19-5	Thu	1700	546 1 3862 86 45336 07559 49464 76932 32596 ... 22223 14049 17431 95504 86990 000 000	CW	(MPJ)
M12	11566	19-5	Thu	1720	546 1 3862 86 45336 07559 49464 76932 32596 ... 22223 14049 17431 95504 86990 000 000	CW	(MPJ)
M12	10711	19-5	Thu	1740	546 1 3862 86 45336 07559 49464 76932 32596 ... 22223 14049 17431 95504 86990 000 000	CW	(MPJ)

M12	11435	19-5	Thu	1800	938 1 8352 146 33900 99232 96570 85518 79625 ... 50056 05451 46929 31826 98257 000 000	CW	(MPJ/PPA/HFD)
M12	10598	19-5	Thu	1820	938 1 8352 146 33900 99232 96570 85518 79625 ... 50056 05451 46929 31826 98257 000 000	CW	(MPJ/HFD)
M12	9327	19-5	Thu	1840	938 1 8352 146 33900 99232 96570 85518 79625 ... 50056 05451 46929 31826 98257 000 000	CW	(MPJ/HFD)
M12	9176	19-5	Thu	1900	257 1 4174 111 59817 15425 79367 59011 00958 ... 54388 40119 22624 37482 82534 000 000	CW	(MPJ)
M12	7931	19-5	Thu	1920	257 1 4174 111 59817 15425 79367 59011 00958 ... 54388 40119 22624 37482 82534 000 000	CW	(MPJ)
M12	6904	19-5	Thu	1940	257 1 4174 111 59817 15425 79367 59011 00958 ... 54388 40119 22624 37482 82534 000 000	CW	(MPJ)
M12	9167	21-5	Sat	0500	125 1 3166 99 58725 83651 10870 ... 91317 84869 14464 000 000	CW	(AnEur)
M12	14869	21-5	Sat	2110	851 1	CW	(HFD)
M12	13569	21-5	Sat	2130	851 1	CW	(HFD)
M12	12169	21-5	Sat	2150	851 1	CW	(HFD)
M12	9176	23-5	Mon	1800	257 1 6119 151 68822 53393 93136 46283 48792 ... 15642 44920 00611 67428 34751 000 000	CW	(MPJ)
M12	7931	23-5	Mon	1820	257 1 6119 151 68822 53393 93136 46283 48792 ... 15642 44920 00611 67428 34751 000 000	CW	(MPJ)
M12	6904	23-5	Mon	1840	257 1 6119 151 68822 53393 93136 46283 48792 ... 15642 44920 00611 67428 34751 000 000	CW	(MPJ)
M12	9176	23-5	Mon	1900	257 1 4128 84 87117 76144 48829 35570 27381 ... 22296 95536 25845 82116 25010 000 000	CW	(MPJ)
M12	7931	23-5	Mon	1920	257 1 4128 84 87117 76144 48829 35570 27381 ... 22296 95536 25845 82116 25010 000 000	CW	(MPJ)
M12	6904	23-5	Mon	1940	257 1 4128 84 87117 76144 48829 35570 27381 ... 22296 95536 25845 82116 25010 000 000	CW	(MPJ)
M12	9176	25-5	Wed	1800	257 1 3779 140 15801 83950 87897 76011 00361 ... 55393 67597 85052 43310 08972 000 000	CW	(MPJ/PPA)
M12	7931	25-5	Wed	1820	257 1 3779 140 15801 83950 87897 76011 00361 ... 55393 67597 85052 43310 08972 000 000	CW	(MPJ)
M12	6904	25-5	Wed	1840	257 1 3779 140 15801 83950 87897 76011 00361 ... 55393 67597 85052 43310 08972 000 000	CW	(MPJ)
M12	8047	25-5	Wed	1900	463 1 8245 149 63264 79349 06377 71497 12456 ... 98076 51330 42911 53857 63417 000 000	CW	(MPJ)
M12	6802	25-5	Wed	1920	463 1 8245 149 63264 79349 06377 71497 12456 ... 98076 51330 42911 53857 63417 000 000	CW	(MPJ)
M12	5788	25-5	Wed	1920	463 1 8245 149 63264 79349 06377 71497 12456 ... 98076 51330 42911 53857 63417 000 000	CW	(MPJ)
M12	7984	26-5	Thu	0630	911 911 911 000	CW	(Edd)
M12	9184	26-5	Thu	0650	911 911 911 000	CW	(Edd)
M12	13926	26-5	Thu	1310	919 919 919 000	CW	(Edd)
M12	12126	26-5	Thu	1330	919 919 919 000	CW	(MPJ/Edd)
M12	11435	26-5	Thu	1800	938 1 1841 149 89573 31469 31409 64159 70569 ... 58804 40998 09288 63020 43445 000 000	CW	(MPJ)
M12	10958	26-5	Thu	1830	938 1 1841 149 89573 31469 31409 64159 70569 ... 58804 40998 09288 63020 43445 000 000	CW	(MPJ)
M12	9327	26-5	Thu	1840	938 1 1841 149 89573 31469 31409 64159 70569 ... 58804 40998 09288 63020 43445 000 000	CW	(MPJ)
M12	9176	26-5	Thu	1900	257 1 7304 117 15365 19317 53980 53932 48173 ... 37623 23648 79473 54842 10516 000 000	CW	(MPJ)
M12	7931	26-5	Thu	1920	257 1 7304 117 15365 19317 53980 53932 48173 ... 37623 23648 79473 54842 10516 000 000	CW	(MPJ)
M12	6904	26-5	Thu	1940	257 1 7304 117 15365 19317 53980 53932 48173 ... 37623 23648 79473 54842 10516 000 000	CW	(MPJ)
M12	9167	28-5	Sat	0500	125 125 125 000	CW	(Edd)
M12	10267	28-5	Sat	0520	125 125 125 000	CW	(Edd)
M12	13926	28-5	Sat	1310	919 919 919 000	CW	(MPJ)
M12	12126	28-5	Sat	1330	919 919 919 000	CW	(MPJ)
M14	7485	6-5	Fri	1700	382 382 382 00000	MCW	(MPJ/HFD)
M14	6891	6-5	Fri	1800	382 382 382 00000	MCW	(MPJ/HFD)
M14	5560	7-5	Sat	0900	171 230 65 12345 43435 67674 ... 77721 03264 78967 230 65 00000	CW	(AB)

M14	8162	8-5	Sun	0700	382 382 382 00000	CW	(AB)
M14	6856	10-5	Tue	1820	163 190 50 12345 43435 67674 83838 98765 ... 23874 19634 80989 56890 34087 190 50 00000	MCW	(MPJ)
M14	5938	11-5	Wed	1920	417 007 157 12345 54321 65432 16161 23456 ... 10293 45612 90546 56123 78456 007 157 00000	MCW	(MPJ)
M14	11073	19-5	Thu	1640	352 28711 196 11 31152 36943 26126 46924 79001 98675 65862 22109 14171 67283 11164 ...	CW	(PW2)
M14	6856	24-5	Tue	1820	163 190 50 12345 43435 67674 83838 98765 ... 23874 19634 80989 56890 34087 190 50 00000	CW	(MPJ)
M14	16347	25-5	Wed	0930	617 592 48 = 27626 60901 22929 ... 19151 64859 76688 592 48 00000	MCW	(AB/F5JBR)
M14	5938	25-5	Wed	1920	417 190 50 12345 43435 67674 83838 98765 ...	MCW	(MPJ)
M14	14878	26-5	Thu	0930	617 592 48 = 27626 60901 22929 64859 76688 00000	CW	(Edd/F5JBR)
M14	9463	29-5	Sun	1900	801 246 50 = = 94359 24657 67280 93894 08646 ... 08748 44586 85096 90074 31226 = = 246 50 00000	CW	(MPJ/qsr711)
M14	7353	29-5	Sun	1930	801 246 50 = = 94359 24657 67280 93894 08646 ... 08748 44586 85096 90074 31226 = = 246 50 00000	CW	(MPJ/qsr711)
M14	9463	31-5	Tue	1900	801 462 50 = = 65785 44372 61486 56666 49095 ... 71467 90486 88123 32888 83968 = = 462 50 00000	CW	(MPJ/qsr711)
M14	7358	31-5	Tue	1932	801 462 50 = = 65785 44372 61486 56666 49095 ... 71467 90486 88123 32888 83968 = = 462 50 00000	CW	(MPJ/qsr711)
M21	5771.5	10-5	Tue	0600	9939998046456 9939998549100	CW	(F5JBR)
M21	3692	11-5	Wed	1428	=991729??0?????	CW	(JPL-HK)
M21	5042.5	11-5	Wed	1835	5105000511620 = 9800919141736 = 9802919164436 =	CW	(F5JBR)
M21	3246.5	16-5	Mon	0315	=990617??0????? =990618??0????? =990619??0?????	CW	(F5JBR)
M21	7249	16-5	Mon	0631	=990933??0????? =990934??0????? =990935??0????? =990936??0????? =990937??0????? =990938??0?????	CW	(F5JBR)
M21	5221.5	16-5	Mon	1748	=992050??0????? =992051??0????? =992052??0?????	CW	(F5JBR)
M21	5214.5	17-5	Tue	1728	=9602868019232 9603868514532 9604997926632 9605997072132 9611869	CW	(F5JBR)
M21	6803	20-5	Fri	0635	9510997372433 9513995564934 9512995567133	CW	(F5JBR)
M21	7249	21-5	Sat	0430	Russian Air Defence =990733??0????? =990734??0????? =990735??0????? =990736??0?????	CW	(F5JBR)
M22	11180	19-5	Thu	1235	VVV DE 4XZ 4XZ	CW	(F5JBR)
M22	7232	19-5	Thu	1248	VVV DE 4XZ 4XZ	CW	(F5JBR)
M22	11180	19-5	Thu	1557	VVV DE 4XZ = NR 325 BK V EO5U 804191 NI2L GR 51 = = NLNLN GASKY JLYFM CSJCH ...	CW	(BCI)
M22	8726	19-5	Thu	1624	VVV DE 4XZ = LK0C NR 825 RL GR 01 = = HW0C NR 7UM5 AUI GR 51 = = UASZ NR TS25 BK GR 52 = =	CW	(BCI)
M22	11180	25-5	Wed	1941	i.p. NR 317 AO V GA8E 712252 ZN4GR EH1 == AR AR VVV DE 4XZ 4XZ =	CW	(lan)
M22	8726	26-5	Thu	0507	VVV DE 4XZ 4XZ //11180//8726//7232 kHz	CW	(F5JBR)
M22	7232	26-5	Thu	0507	VVV DE 4XZ 4XZ //11180//8726//7232 kHz	CW	(F5JBR)
M22	11180	26-5	Thu	0507	VVV DE 4XZ 4XZ //11180//8726//7232 kHz	CW	(F5JBR)
M22	11180	29-5	Sun	0625	VVV DE 4XZ	CW	(F4LKC)
M22	8726	29-5	Sun	1815	4XZ i.p. QTC1 NR 877 == ...	CW	(F4LKC)
M32	4060	1-5	Sun	1830	VOLTA-54 clg outstations	CW	(F5JBR)
M32	10683	2-5	Mon	0801	XXX WEGI 80200 03321 UKLADOONYJ 9183 0840 K	CW	(F5JBR)
M32	20762	2-5	Mon	0807	XXX WEGI 80200 03321 UKLADOONYJ 9183 0840 K	CW	(F5JBR)
M32	16112	2-5	Mon	1225	RDL: XXX WEGI 05868 26279 STEROMAS 4725 9507 K	CW	(F5JBR)
M32	10672	2-5	Mon	1231	RDL: XXX RDL 40054 00513 RIAPOSWIQ 6683 3856 K	CW	(F5JBR)
M32	4110	3-5	Tue	1407	VVV UYG79 DE RTH62 QSA ? K	CW	(JPL-Sib)
M32	4110	3-5	Tue	1408	VVV EAB24 DE RTH62	CW	(JPL-Sib)
M32	11465	5-5	Thu	1125	XXX XXX PIYH PIYH 21242 WYPIHIWANIE 2687 3298 K	CW	(JPL-Sib)
M32	7964	5-5	Thu	1612	XXX WEGI 23325 BXEFOKAIN 3086 5547 UWODOGONG 7889 3561 K	CW	(F5JBR)
M32	4464	9-5	Mon	1415	XXX VUOZ 01589 AVUROKORV 4322 9211 K	CW	(F5JBR)
M32	4887	9-5	Mon	1415	XXX VUOZ 01589 AVUROKORV 4322 9211 K	CW	(F5JBR)

M32	5691	9-5	Mon	1518	i.p. QTC K. 8GB9 213 26 9 1814 213 = 185 = PPPP HRRLF KI\OCT CUESF IMQVR ...	CW	(JPL-Sib)
M32	5692	10-5	Tue	1515	8GB9 307 26 10 1812 307 = 373 = PPPP FVAGB WWFQN ORILN VKKLN ...	CW	(JPL-Sib)
M32	12593	12-5	Thu	0743	XXX WEGI 42948 67672 MONTER 7138 1577 K	CW	(F5JBR)
M32	10664	12-5	Thu	1021	DE ORH3 K. KA4U DE ORH3 K. ORH3 ZYT QSW 3 K. R K	CW	(JPL-Sib)
M32	10561	12-5	Thu	1025	i.p. 17344 WWODOFUNT 1821 6596 K	CW	(JPL-Sib)
M32	7817	16-5	Mon	0757	XXX WEGI 36869 UROKONIWH 5060 7831 K	CW	(F5JBR)
M32	7827	16-5	Mon	0759	XXX WEGI 28687 SWANOSIP 9995 5153 K	CW	(F5JBR)
M32	7674	16-5	Mon	0759	XXX WEGI 36869 UROKONIWH 5060 7831 K	CW	(F5JBR)
M32	7817	16-5	Mon	0803	XXX WEGI 28687 SWANOSIP 9995 5153 K	CW	(F5JBR)
M32	7827	16-5	Mon	0805	XXX WEGI 28687 SWANOSIP 9995 5153 K	CW	(F5JBR)
M32	7674	16-5	Mon	0805	XXX WEGI 28687 SWANOSIP 9995 5153 K	CW	(F5JBR)
M32	5332	19-5	Thu	0602	XXX MCVL SERPANTYN 7134 AR	CW	(F5JBR)
M32	16223	19-5	Thu	1532	XXX WEGI 34059 ITOGOPAPA 0448 3695 K	CW	(F5JBR)
M32	16223	19-5	Thu	1537	XXX WEGI 87633 53931 BOSOBAL 6182 9609 K	CW	(F5JBR)
M32	16228	22-5	Sun	0800	XXX LR43 TENIOESKA PROWERKA 592 K	CW	(F5JBR)
M32	8136	22-5	Sun	0800	RMW32: XXX LR43 TENIOESKA PROWERKA 592 K	CW	(F5JBR)
M32	16223	25-5	Wed	0801	RGT77: XXX WEGI 81948 SLEVENIE 0767 4299 K	CW	(F5JBR)
M32	6228	25-5	Wed	0825	RGT77: XXX LR43 TENIOESKAA PROWERKA 592 K	CW	(F5JBR)
M32	16223	25-5	Wed	0911	RGT77: XXX WEGI 34484 94789 29069 MORENNYJ 6791 5134 K //14552 kHz	CW	(F5JBR)
M32	14552	25-5	Wed	0911	RGT77: XXX WEGI 34484 94789 29069 MORENNYJ 6791 5134 K //16223 kHz	CW	(F5JBR)
M32	16223	26-5	Thu	0927	RGT77: XXX WEGI 82436 UTWARX 5545 0173 K //14552 kHz	CW	(F5JBR)
M32	14552	26-5	Thu	0927	RGT77: XXX WEGI 82436 UTWARX 5545 0173 K //16223 kHz	CW	(F5JBR)
M32	11136	27-5	Fri	0405	LDBO send QTCs (MMMMM û DDDDD)	CW	(F5JBR)
M32	15804	29-5	Sun	1650	C9DE de N4QL QTC 717 32 29 1925 717 = FM 514 583 FOR 301 068 = PWMRT WPUHI OYWAW ...	CW	(F5JBR)
M32	4867.5	29-5	Sun	1702	2AchT QTC 441 103 28 1955 441 = 694 = 29066 02024 02024 00000 (see N&O 224)	CW	(F5JBR)
M32	15804	29-5	Sun	1708	C9DE de N4QL QTC 717 32 29 1925 717 = FM 514 583 FOR 301 068 = TXOY_T ... AR	CW	(F5JBR)
M32	4867.5	29-5	Sun	1712	2AchT 5311 61 28 2005 531 = 694 = 29066 06062 06062 00246 00550 ... (see N&O 224)	CW	(F5JBR)
M32	4008.5	31-5	Tue	0306	XXX PABA WARKYJ 823 K	CW	(F5JBR)
M32	4867.5	31-5	Tue	0815	2AAD wkg 4 outstations (see N&O 224)	CW	(JPL-HK)
M32	4867.5	31-5	Tue	0831	2AAD wkg 4 outstations (see N&O 224)	CW	(JPL-HK)
M32a	3852	8-5	Sun	1805	RCV de RMJA QTC 643 16 8 2103 643 = SML FOR RJH45 RJE73 = 08181 99407 10279 ...	CW	(F5JBR)
M32a	14540	12-5	Thu	1014	RWB (x3) QSY 13365 QSY 13365 QSA 4 K. NIL K. SK	CW	(JPL-Sib)
M32a	14556	12-5	Thu	1018	YQMO K. RIW QYT 4 QMO K. RIW R K	CW	(JPL-Sib)
M32a	3720	14-5	Sat	1408	RJD93 DE RCQD QSA ? QTC K. RCQD DE RJD93 QSA 2 QRV K. RCQD 892 29 14 1700 892 = FM RCQD FOR RJS = 11111 75571 91677 49845 ...	CW	(JPL-Sib)
M32a	5235	25-5	Wed	1614	RKB92 wkg RMP 67 25 1910 442 = FOR RJH45 RJD38 REG98 = KKXX 25056 1540/ 15508 ... 30725 41339 25063 = AR	CW	(F5JBR)
M32a	13975	26-5	Thu	0900	RAL2, Network 1 wkg RFH2, RDU2, RHW2, RBL71	CW	(F5JBR)
M32a	4563	26-5	Thu	0900	RAL2, Network 3 wkg RKA2, RLO2, RBL75	CW	(F5JBR)
M32a	10425	26-5	Thu	0906	RAL2, Network wkg RBL2, RGH2, RMW2, RHQ2, RBL66	CW	(F5JBR)
M41	5037	6-5	Fri	1800	GPY1 GPY1 GPY1 AR	CW	(F5JBR)
M41	7604	14-5	Sat	0901	PWZW i.p ...52 91411201= 67238363859002 = 006722 83650864101203 = 006722 8365086411232= 6823821.. 8602 = PWZW =	CW	(F5JBR)
M41	5415.5	14-5	Sat	1531	5K7N 5K7N 199961998928816571231830 RPT 199961998928816571231830 5K7N 5K7N AR	CW	(F5JBR)
M41	9244	22-5	Sun	0600	PWZ8 PWZ8 PWZ8 AR	CW	(F5JBR)
M42	14808	13-5	Fri	1045	no transcript Russian	Wide-4FSK	(PW2)
M42	13401	13-5	Fri	1306	no transcript Russian SVR experimental MSFK-80 mo- dem	MFSK-80usb	(PW2)
M42	12141	15-5	Sun	0935	no transcript SVR expirimental MFSK-80 modem	MFSK-80	(PW2)
M42	14377	16-5	Mon	0935	no transcript Russian	Wide-4FSK	(PW2)

M42	8007	16-5	Mon	2000	no transcript SVR experimental MFSK-80 modem	MFSK-80	(PW2)
M42	8140	20-5	Fri	1531	no transcript GRU test		(PW2)
M42	6780	21-5	Sat	1758	GRU test?	FSK 100/500	(PW2)
M42	6776	25-5	Wed	0622	PR60 de 7ZGR. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
M42	14907	28-5	Sat	0730	UHC wkg RPK. Header: 11100 80104 34517 28014 01009	CW	(F5JBR)
M42b	5138	6-5	Fri	1805	G5OP wkg SN7D. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
M42b	5299	10-5	Tue	1444	FANV de PSDG QSY 99732 K	CW	(F5JBR)
M42b	9052	11-5	Wed	1327	K4MT wkg NT9P (Traffic in FSK, opchat in Morse: QRU NIL SK)	FSK 50/500	(F5JBR)
M42b	7355	13-5	Fri	1628	NCS wkg outstations (Traffic in FSK, opchat in Morse: QRU NIL SK)	FSK 50/500	(F5JBR)
M42b	5738	14-5	Sat	1130	TKLI wkg KBAN (calling and QSY 61368	CW	(F5JBR)
M42b	7631	15-5	Sun	0711	NCS wkg outstations (Traffic in FSK, opchat in Morse: QRU NIL SK)	FSK 50/500	(F5JBR)
M42b	14362	15-5	Sun	0800	1ELM wkg SAVJ (Traffic in FSK, opchat in Morse: QRU NIL SK)	FSK 50/500	(F5JBR)
M42b	5220	17-5	Tue	1715	BUHN wkg FKLS. Message in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
M42b	7978	21-5	Sat	0508	YDEW wkg MJFQ. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
M42b	13387	21-5	Sat	1231	NT9P wkg K4MT. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
M42b	6987	22-5	Sun	0521	UHK wkg outstation. Traffic in FSK - 11100 60102 56871 22170 05009, opchat in Morse: QRU NIL SK	FSK 100/500	(F5JBR)
M42b	5908	23-5	Mon	0857	MHLT de CLC1 QSA NO QSY 54125	CW	(F5JBR)
M42b	4592	30-5	Mon	1705	GLJW wkg LQDF. Traffic in FSK, opchat in Morse: QRU NIL SK	FSK 50/500	(F5JBR)
M42b	4562	30-5	Mon	1730	GLJW wkg LQDF comms checks and QLP30	CW	(F5JBR)
M42c	11414	2-5	Mon	1015	Russian intel/diplo. =8201 54484861218400994 ...)57614100000+++++++177	FSK 200/500	(AB)
M42c	9317	2-5	Mon	1025	Russian intel/diplo. =8201 54484861218400994 ...)57614100000+++++++177	FSK 200/500	(AB)
M42c	7572	2-5	Mon	1025	Russian intel/diplo. =8201 54484861218400994 ...)57614100000+++++++177	FSK 200/500	(AB)
M42c	11414	3-5	Tue	1015	Russian intel/diplo. =8321 74018008560965785 ...)76568 5808100000+++++242	FSK 200/500	(AB)
M42c	7572	3-5	Tue	1025	Russian intel/diplo. =8321 74018008560965785 ...)76568 5808100000+++++242	FSK 200/500	(AB)
M42c	9317	3-5	Tue	1025	Russian intel/diplo. =8321 74018008560965785 ...)76568 5808100000+++++242	FSK 200/500	(AB)
M42c	14363	3-5	Tue	1840	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	12189	3-5	Tue	1850	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	10346	3-5	Tue	1900	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	11414	4-5	Wed	1015	Russian intel/diplo. =8301 617701007993851135 ... 707181594390000034)58114 8+++++++87	FSK 200/500	(AB)
M42c	9317	4-5	Wed	1025	Russian intel/diplo. =8301 617701007993851135 ... 707181594390000034)58114 8+++++++87	FSK 200/500	(AB)
M42c	7572	4-5	Wed	1025	Russian intel/diplo. =8301 617701007993851135 ... 707181594390000034)58114 8+++++++87	FSK 200/500	(AB)
M42c	11414	5-5	Thu	1015	Russian intel/diplo. =8221 64745894006570164 ...)57663 00000+++++++218	FSK 200/500	(AB)
M42c	9317	5-5	Thu	1025	Russian intel/diplo. =8221 64745894006570164 ...)57663 00000+++++++218	FSK 200/500	(AB)
M42c	7572	5-5	Thu	1035	Russian intel/diplo. =8221 64745894006570164 ...)57663 00000+++++++218	FSK 200/500	(AB)
M42c	11414	6-5	Fri	1015	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB)
M42c	7572	6-5	Fri	1025	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB)
M42c	9317	6-5	Fri	1025	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB)
M42c	7992	6-5	Fri	1535	GRU test. Null message	FSK 200/500	(Danix)
M42c	7992	6-5	Fri	1545	GRU test. 40060 68561 40247 ... 54261 38175 31356 00000	FSK 200/500	(Danix)

M42c	7992	6-5	Fri	1555	GRU test. 3 msgs 11518 38503 86335 ... 11981 44426 15105 00000	FSK 200/500	(Danix)
M42c	7992	6-5	Fri	1605	GRU test. 999 groups: 99999 00000	FSK 200/500	(Danix)
M42c	7992	6-5	Fri	1625	GRU test. Null message	FSK 200/500	(Danix)
M42c	7992	6-5	Fri	1630	GRU test. Msg: 29305 68674 40344 ... 79415 69855 77909 00000. Header 11100 10129 00000 05012 02149 Msg: 74401 49308 10332 ... 50229 20771 34342 00000	FSK 200/500	(Danix)
M42c	7992	6-5	Fri	1640	GRU test. Headers: 11100 10129 00000 06051 01019, 11100 10129 12345 06002 01009, 11100 10129 00000 06053 00569	FSK 200/500	(Danix)
M42c	7992	6-5	Fri	1650	GRU test. Header: 11100 10129 00000 06011 10039 (1003 groups)	FSK 200/500	(Danix)
M42c	17431	7-5	Sat	1200	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/MPJ/Danix)
M42c	13376	7-5	Sat	1210	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/MPJ)
M42c	15827	7-5	Sat	1210	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/MPJ/Danix)
M42c	13376	7-5	Sat	1220	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	15806	7-5	Sat	1810	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/HFD)
M42c	13512	7-5	Sat	1820	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/HFD/Danix)
M42c	11131	7-5	Sat	1830	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/HFD/Danix)
M42c	11414	9-5	Mon	1015	Russian intel/diplo. =8161 18298333703070659 ...)6911386241100000+++++276	FSK 200/500	(AB)
M42c	9317	9-5	Mon	1025	Russian intel/diplo. =8161 18298333703070659 ...)6911386241100000+++++276	FSK 200/500	(AB)
M42c	7572	9-5	Mon	1025	Russian intel/diplo. =8161 18298333703070659 ...)6911386241100000+++++276	FSK 200/500	(AB)
M42c	11414	10-5	Tue	1015	Russian intel/diplo. =8011 80217747536523392 ...)58166 ++++++98	FSK 200/500	(AB)
M42c	9317	10-5	Tue	1025	Russian intel/diplo. =8011 80217747536523392 ...)58166 ++++++98	FSK 200/500	(AB)
M42c	7572	10-5	Tue	1025	Russian intel/diplo. =8011 80217747536523392 ...)58166 ++++++98	FSK 200/500	(AB)
M42c	11414	11-5	Wed	1015	Russian intel/diplo. =8591 63222566279131247 ...)581146+++++61	FSK 200/500	(AB)
M42c	9317	11-5	Wed	1025	Russian intel/diplo. =8591 63222566279131247 ...)581146+++++61	FSK 200/500	(AB)
M42c	7572	11-5	Wed	1025	Russian intel/diplo. =8591 63222566279131247 ...)581146+++++61	FSK 200/500	(AB)
M42c	13532	13-5	Fri	1020	=8451 581637746604240154 ...)69763 6718600000+++++19	FSK 200/500	(Danix)
M42c	17431	14-5	Sat	1200	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/HFD)
M42c	15827	14-5	Sat	1210	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/HFD)
M42c	13376	14-5	Sat	1220	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/MPJ)
M42c	15806	14-5	Sat	1810	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	13512	14-5	Sat	1820	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	11131	14-5	Sat	1830	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	17431	21-5	Sat	1200	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	15827	21-5	Sat	1210	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	13376	21-5	Sat	1220	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	15806	21-5	Sat	1810	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	13512	21-5	Sat	1820	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	11131	21-5	Sat	1830	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	15933	25-5	Wed	1800	42158 98565 53697 ... 12299 36145 00000	FSK 200/500	(Danix)
M42c	13474	25-5	Wed	1810	42158 98565 53697 ... 12299 36145 00000	FSK 200/500	(Danix)
M42c	17424	26-5	Thu	1750	42158 98565 53697 ... 12299 36145 00000	FSK 200/1000	(Danix)
M42c	15933	26-5	Thu	1800	42158 98565 53697 ... 12299 36145 00000	FSK 200/500	(Danix)
M42c	13474	26-5	Thu	1810	42158 98565 53697 ... 12299 36145 00000	FSK 200/500	(Danix)
M42c	17431	28-5	Sat	1200	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	15827	28-5	Sat	1210	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	13376	28-5	Sat	1220	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	15806	28-5	Sat	1810	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	13512	28-5	Sat	1820	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42c	11131	28-5	Sat	1830	Russian diplo/intel. Null message	FSK 200/500	(Danix)
M42d	10169	1-5	Sun	0410	Russian diplo/intel. Link ID 45079, Date 2nd, Serial #1: 1be9 b017 8f6c 1402 04e1 Null message	FSK 200/1000	(Danix)

M42d	8169	1-5	Sun	0420	Russian diplo/intel. Link ID 45079, Date 2nd, Serial #1: 1be9 b017 8f6c 1402 04e1 Null message	FSK 200/1000	(Danix)
M42d	17463	1-5	Sun	1100	Russian diplo/intel. Msg 120 on link 36882	FSK 200/1000	(AB)
M42d	15648	1-5	Sun	1110	Russian diplo/intel. Msg 120 on link 36882	FSK 200/1000	(AB)
M42d	13425	1-5	Sun	1120	Russian diplo/intel. Msg 120 on link 36882	FSK 200/1000	(AB)
M42d	17433	1-5	Sun	1530	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
M42d	15838	1-5	Sun	1540	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
M42d	13426	1-5	Sun	1550	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB/MPIJ)
M42d	11163	2-5	Mon	0700	Russian diplo/intel. Msg 027 on link 45136	FSK 200/1000	(AB)
M42d	9271	2-5	Mon	0710	Russian diplo/intel. Msg 027 on link 45136	FSK 200/1000	(AB)
M42d	7532	2-5	Mon	0720	Russian diplo/intel. Msg 027 on link 45136	FSK 200/1000	(AB)
M42d	10523	2-5	Mon	1200	Russian diplo/intel. Msg 027 on link 45136	FSK 200/1000	(AB)
M42d	8129	2-5	Mon	1210	Russian diplo/intel. Msg 027 on link 45136	FSK 200/1000	(AB)
M42d	6947	2-5	Mon	1220	Russian diplo/intel. Msg 027 on link 45136	FSK 200/1000	(AB)
M42d	11163	3-5	Tue	0700	Russian diplo/intel. Msg 030 on link 45136	FSK 200/1000	(AB)
M42d	9271	3-5	Tue	0710	Russian diplo/intel. Msg 030 on link 45136	FSK 200/1000	(AB)
M42d	7532	3-5	Tue	0720	Russian diplo/intel. Msg 030 on link 45136	FSK 200/1000	(AB)
M42d	10523	3-5	Tue	1200	Russian diplo/intel. Msg 030 on link 45136	FSK 200/1000	(AB)
M42d	8129	3-5	Tue	1210	Russian diplo/intel. Msg 030 on link 45136	FSK 200/1000	(AB)
M42d	6947	3-5	Tue	1220	Russian diplo/intel. Msg 030 on link 45136	FSK 200/1000	(AB)
M42d	19609	3-5	Tue	1400	Russian diplo/intel. Msg 105 on link 32799	FSK 200/1000	(AB/Danix)
M42d	17461	3-5	Tue	1410	Russian diplo/intel. Msg 105 on link 32799	FSK 200/1000	(AB/Danix)
M42d	15923	3-5	Tue	1420	Russian diplo/intel. Msg 105 on link 32799	FSK 200/1000	(AB/Danix)
M42d	17436	3-5	Tue	1650	Russian diplo/intel. Msg 147 on link 20501	FSK 200/1000	(AB)
M42d	15789	3-5	Tue	1700	Russian diplo/intel. Msg 147 on link 20501	FSK 200/1000	(AB)
M42d	13376	3-5	Tue	1710	Russian diplo/intel. Msg 147 on link 20501	FSK 200/1000	(AB)
M42d	13378	3-5	Tue	2300	Russian diplo/intel. Link ID 40988, Date 29th, Serial #68	FSK 200/1000	(Danix)
M42d	11096	3-5	Tue	2310	Russian diplo/intel. Link ID 40988, Date 29th, Serial #68	FSK 200/1000	(Danix)
M42d	9129	3-5	Tue	2320	Russian diplo/intel. Link ID 40988, Date 29th, Serial #68	FSK 200/1000	(Danix)
M42d	11163	4-5	Wed	0700	Russian diplo/intel. Msg 035 on link 45136	FSK 200/1000	(AB)
M42d	9271	4-5	Wed	0710	Russian diplo/intel. Msg 035 on link 45136	FSK 200/1000	(AB)
M42d	7532	4-5	Wed	0720	Russian diplo/intel. Msg 035 on link 45136	FSK 200/1000	(AB)
M42d	15993	4-5	Wed	0800	Russian diplo/intel. Msg 017 on link 45075	FSK 200/1000	(AB)
M42d	13581	4-5	Wed	0810	Russian diplo/intel. Msg 017 on link 45075	FSK 200/1000	(AB)
M42d	11494	4-5	Wed	0820	Russian diplo/intel. Msg 017 on link 45075	FSK 200/1000	(AB)
M42d	10523	4-5	Wed	1200	Russian diplo/intel. Msg 035 on link 45136	FSK 200/1000	(AB/MPIJ)
M42d	8129	4-5	Wed	1210	Russian diplo/intel. Msg 035 on link 45136	FSK 200/1000	(AB)
M42d	6947	4-5	Wed	1220	Russian diplo/intel. Msg 035 on link 45136	FSK 200/1000	(AB)
M42d	17430	4-5	Wed	1230	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB/MPIJ/Danix)
M42d	15914	4-5	Wed	1240	Russian diplo/intel. Msg 002 on link 53277	FSK 200/1000	(AB/MPIJ)
M42d	15814	4-5	Wed	1240	Russian diplo/intel. Null message: Link ID 53277	FSK 200/1000	(Danix)
M42d	13487	4-5	Wed	1250	Russian diplo/intel. Null message: Link ID 53277	FSK 200/1000	(AB/MPIJ/Danix)
M42d	15838	4-5	Wed	2200	Russian diplo/intel. Null message: Link ID 49202	FSK 200/1000	(Danix)
M42d	13984	4-5	Wed	2210	Russian diplo/intel. Null message: Link ID 49202	FSK 200/1000	(Danix)
M42d	11167	4-5	Wed	2220	Russian diplo/intel. Null message: Link ID 49202	FSK 200/1000	(Danix)
M42d	17418	5-5	Thu	0600	Russian diplo/intel. Msg 157 on link 32816	FSK 200/1000	(AB)
M42d	15673	5-5	Thu	0610	Russian diplo/intel. Msg 157 on link 32816	FSK 200/1000	(AB)
M42d	11163	5-5	Thu	0700	Russian diplo/intel. Msg 037 on link 45137	FSK 200/1000	(AB)
M42d	9271	5-5	Thu	0710	Russian diplo/intel. Msg 037 on link 45137	FSK 200/1000	(AB)
M42d	7532	5-5	Thu	0720	Russian diplo/intel. Msg 037 on link 45137	FSK 200/1000	(AB)
M42d	15993	5-5	Thu	0800	Russian diplo/intel. Msg 017 on link 45075	FSK 200/1000	(AB)
M42d	13581	5-5	Thu	0810	Russian diplo/intel. Msg 017 on link 45075	FSK 200/1000	(AB)
M42d	11494	5-5	Thu	0820	Russian diplo/intel. Msg 017 on link 45075	FSK 200/1000	(AB)
M42d	10523	5-5	Thu	1200	Russian diplo/intel. Msg 037 on link 45137	FSK 200/1000	(AB)
M42d	8129	5-5	Thu	1210	Russian diplo/intel. Msg 037 on link 45137	FSK 200/1000	(AB)
M42d	6947	5-5	Thu	1220	Russian diplo/intel. Msg 037 on link 45137	FSK 200/1000	(AB)
M42d	15814	5-5	Thu	1330	Russian diplo/intel. Null message: Link ID 49237	FSK 200/1000	(Danix)
M42d	13411	5-5	Thu	1340	Russian diplo/intel. Null message: Link ID 49237	FSK 200/1000	(Danix)
M42d	11146	5-5	Thu	1350	Russian diplo/intel. Null message: Link ID 49237	FSK 200/1000	(Danix)
M42d	16189	6-5	Fri	0600	Russian diplo/intel. Msg 170 on link 40988	FSK 200/1000	(AB/Danix)
M42d	14408	6-5	Fri	0610	Russian diplo/intel. Msg 170 on link 40988	FSK 200/1000	(AB/Danix)

M42d	12191	6-5	Fri	0620	Russian diplo/intel. Msg 170 on link 40988	FSK 200/1000	(AB/Danix)
M42d	11163	6-5	Fri	0700	Russian diplo/intel. Msg 052 on link 45137	FSK 200/1000	(AB)
M42d	9271	6-5	Fri	0710	Russian diplo/intel. Msg 052 on link 45137	FSK 200/1000	(AB)
M42d	7532	6-5	Fri	0720	Russian diplo/intel. Msg 052 on link 45137	FSK 200/1000	(AB)
M42d	18751	7-5	Sat	2100	Russian diplo/intel. Link ID 32821 null message	FSK 200/1000	(Danix)
M42d	16174	7-5	Sat	2110	Russian diplo/intel. Link ID 32821 null message	FSK 200/1000	(Danix)
M42d	14563	7-5	Sat	2120	Russian diplo/intel. Link ID 32821 null message	FSK 200/1000	(Danix)
M42d	11163	9-5	Mon	0700	Russian diplo/intel. Msg 042 on link 45136	FSK 200/1000	(AB)
M42d	9271	9-5	Mon	0710	Russian diplo/intel. Msg 042 on link 45136	FSK 200/1000	(AB)
M42d	7532	9-5	Mon	0720	Russian diplo/intel. Msg 042 on link 45136	FSK 200/1000	(AB)
M42d	10523	9-5	Mon	1200	Russian diplo/intel. Msg 042 on link 45136	FSK 200/1000	(AB)
M42d	8129	9-5	Mon	1210	Russian diplo/intel. Msg 042 on link 45136	FSK 200/1000	(AB)
M42d	6947	9-5	Mon	1220	Russian diplo/intel. Msg 042 on link 45136	FSK 200/1000	(AB)
M42d	11163	10-5	Tue	0700	Russian diplo/intel. Msg 045 on link 45136	FSK 200/1000	(AB)
M42d	9271	10-5	Tue	0710	Russian diplo/intel. Msg 045 on link 45136	FSK 200/1000	(AB)
M42d	7532	10-5	Tue	0720	Russian diplo/intel. Msg 045 on link 45136	FSK 200/1000	(AB)
M42d	10523	10-5	Tue	1200	Russian diplo/intel. Msg 045 on link 45136	FSK 200/1000	(AB)
M42d	8129	10-5	Tue	1210	Russian diplo/intel. Msg 045 on link 45136	FSK 200/1000	(AB)
M42d	6947	10-5	Tue	1220	Russian diplo/intel. Msg 045 on link 45136	FSK 200/1000	(AB)
M42d	15923	10-5	Tue	1220	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB/Danix)
M42d	19609	10-5	Tue	1400	Russian diplo/intel. Link ID 32799 null message	FSK 200/1000	(Danix)
M42d	17461	10-5	Tue	1410	Russian diplo/intel. Link ID 32799 null message	FSK 200/1000	(Danix)
M42d	17436	10-5	Tue	1650	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB/MPJ)
M42d	15789	10-5	Tue	1700	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB/MPJ)
M42d	13376	10-5	Tue	1710	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB/MPJ)
M42d	13378	10-5	Tue	2300	Russian diplo/intel. Null message: Link ID 40988	FSK 200/1000	(Danix)
M42d	11096	10-5	Tue	2310	Russian diplo/intel. Null message: Link ID 40988	FSK 200/1000	(Danix)
M42d	9129	10-5	Tue	2320	Russian diplo/intel. Null message: Link ID 40988	FSK 200/1000	(Danix)
M42d	17418	11-5	Wed	0600	Russian diplo/intel. Link ID 32816, Date 7th, Serial #64	FSK 200/1000	(Danix)
M42d	15673	11-5	Wed	0610	Russian diplo/intel. Link ID 32816, Date 7th, Serial #64	FSK 200/1000	(Danix)
M42d	13361	11-5	Wed	0620	Russian diplo/intel. Link ID 32816, Date 7th, Serial #64	FSK 200/1000	(Danix)
M42d	11163	11-5	Wed	0700	Russian diplo/intel. Msg 050 on link 45136	FSK 200/1000	(AB)
M42d	9271	11-5	Wed	0710	Russian diplo/intel. Msg 050 on link 45136	FSK 200/1000	(AB)
M42d	7532	11-5	Wed	0720	Russian diplo/intel. Msg 050 on link 45136	FSK 200/1000	(AB)
M42d	15993	11-5	Wed	0800	Russian diplo/intel. Msg 027 on link 45075	FSK 200/1000	(AB/Danix)
M42d	17488	11-5	Wed	0800	Russian diplo/intel. Link ID 16404, Date 6th, Serial #99	FSK 200/1000	(Danix)
M42d	13581	11-5	Wed	0810	Russian diplo/intel. Msg 027 on link 45075	FSK 200/1000	(AB/Danix)
M42d	15823	11-5	Wed	0810	Russian diplo/intel. Link ID 16404, Date 6th, Serial #99	FSK 200/1000	(Danix)
M42d	11494	11-5	Wed	0820	Russian diplo/intel. Msg 027 on link 45075	FSK 200/1000	(AB/Danix)
M42d	13459	11-5	Wed	0820	Russian diplo/intel. Link ID 16404, Date 6th, Serial #99	FSK 200/1000	(Danix)
M42d	14638	11-5	Wed	0915	Russian diplo/intel. Link ID 20492 null message	FSK 200/1000	(AB/Danix)
M42d	12156	11-5	Wed	0925	Russian diplo/intel. Link ID 20492 null message	FSK 200/1000	(AB/Danix)
M42d	10164	11-5	Wed	0935	Russian diplo/intel. Msg 002 on link 20492	FSK 200/1000	(AB/Danix)
M42d	10523	11-5	Wed	1200	Russian diplo/intel. Msg 050 on link 45136	FSK 200/1000	(AB/MPJ)
M42d	8129	11-5	Wed	1210	Russian diplo/intel. Msg 050 on link 45136	FSK 200/1000	(AB)
M42d	6947	11-5	Wed	1220	Russian diplo/intel. Msg 050 on link 45136	FSK 200/1000	(AB)
M42d	15838	11-5	Wed	2200	Russian diplo/intel. Null message: Link ID 49202	FSK 200/1000	(Danix)
M42d	13984	11-5	Wed	2210	Russian diplo/intel. Null message: Link ID 49202	FSK 200/1000	(Danix)
M42d	11167	11-5	Wed	2220	Russian diplo/intel. Null message: Link ID 49202	FSK 200/1000	(Danix)
M42d	17488	12-5	Thu	0800	Russian diplo/intel. Msg 247 on link 16404	FSK 200/1000	(AB)
M42d	15823	12-5	Thu	0810	Russian diplo/intel. Msg 248 on link 16404	FSK 200/1000	(AB)
M42d	13459	12-5	Thu	0820	Russian diplo/intel. Msg 247 on link 16404	FSK 200/1000	(AB)
M42d	15814	12-5	Thu	1320	Russian diplo/intel. Test on link 49237. Contents: 4646CcCc64 in ASCII	FSK 200/800inv	(AB/Danix)
M42d	13411	12-5	Thu	1340	Russian diplo/intel. Msg 217 on link 49237	FSK 200/1000	(AB/Danix)
M42d	11146	12-5	Thu	1350	Russian diplo/intel. Msg 217 on link 49237	FSK 200/1000	(AB/Danix)
M42d	17483	14-5	Sat	0800	Russian diplo/intel. Msg 075 on link 45115	FSK 200/1000	(AB/Danix)
M42d	15828	14-5	Sat	0810	Russian diplo/intel. Msg 075 on link 45115	FSK 200/1000	(AB/Danix)
M42d	13420	14-5	Sat	0820	Russian diplo/intel. Msg 075 on link 45115	FSK 200/1000	(AB/Danix)
M42d	17526	14-5	Sat	0900	Russian diplo/intel. Msg 207 on link 45057	FSK 200/1000	(AB/Danix)
M42d	15818	14-5	Sat	0910	Russian diplo/intel. Msg 207 on link 45057	FSK 200/1000	(AB/Danix)
M42d	13396	14-5	Sat	0920	Russian diplo/intel. Msg 207 on link 45057	FSK 200/1000	(AB/Danix)
M42d	16354	14-5	Sat	1100	Russian diplo/intel. Msg 122 on link 36882	FSK 200/1000	(AB/Danix)
M42d	14536	14-5	Sat	1110	Russian diplo/intel. Msg 122 on link 36882	FSK 200/1000	(AB/Danix)

M42d	12218	14-5	Sat	1120	Russian diplo/intel. Msg 122 on link 36882	FSK 200/1000	(AB/Danix)
M42d	18751	14-5	Sat	2100	Russian diplo/intel. Link ID 32821, Date 11th, Serial #24 1be9 8035 0f6c 6e3c 5ee9	FSK 200/1000	(Danix)
M42d	16174	14-5	Sat	2110	Russian diplo/intel. Link ID 32821, Date 11th, Serial #24 1be9 8035 0f6c 6e3c 5ee9	FSK 200/1000	(Danix)
M42d	14563	14-5	Sat	2120	Russian diplo/intel. Link ID 32821, Date 11th, Serial #24 1be9 8035 0f6c 6e3c 5ee9	FSK 200/1000	(Danix)
M42d	18663	14-5	Sat	2130	Russian diplo/intel. Link ID 32821, Date 14th, Serial #1 1be9 8035 990c 8c02 04e1 Null message	FSK 200/1000	(Danix)
M42d	16344	14-5	Sat	2140	Russian diplo/intel. Link ID 32821, Date 14th, Serial #1 1be9 8035 990c 8c02 04e1 Null message	FSK 200/1000	(Danix)
M42d	14869	14-5	Sat	2150	Russian diplo/intel. Link ID 32821, Date 14th, Serial #1 1be9 8035 990c 8c02 04e1 Null message	FSK 200/1000	(AB/Danix)
M42d	17483	15-5	Sun	0800	Russian diplo/intel. Msg 075 on link 45115	FSK 200/1000	(AB)
M42d	15828	15-5	Sun	0810	Russian diplo/intel. Msg 075 on link 45115	FSK 200/1000	(AB)
M42d	13420	15-5	Sun	0820	Russian diplo/intel. Msg 075 on link 45115	FSK 200/1000	(AB)
M42d	17526	15-5	Sun	0900	Russian diplo/intel. Msg 207 on link 45057	FSK 200/1000	(AB)
M42d	15818	15-5	Sun	0910	Russian diplo/intel. Msg 207 on link 45057	FSK 200/1000	(AB)
M42d	13396	15-5	Sun	0920	Russian diplo/intel. Msg 207 on link 45057	FSK 200/1000	(AB)
M42d	16354	15-5	Sun	1100	Russian diplo/intel. Msg 122 on link 36882	FSK 200/1000	(AB)
M42d	14536	15-5	Sun	1110	Russian diplo/intel. Msg 122 on link 36882	FSK 200/1000	(AB)
M42d	12218	15-5	Sun	1120	Russian diplo/intel. Msg 122 on link 36882	FSK 200/1000	(AB)
M42d	17433	15-5	Sun	1530	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB)
M42d	15838	15-5	Sun	1540	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB/MPJ)
M42d	13426	15-5	Sun	1550	Russian diplo/intel. Msg 002 on link 20501	FSK 200/1000	(AB/MPJ)
M42d	18751	15-5	Sun	2100	Russian diplo/intel. Link ID 32821, Date 11th, Serial #24	FSK 200/1000	(Danix)
M42d	16174	15-5	Sun	2110	Russian diplo/intel. Link ID 32821, Date 11th, Serial #24	FSK 200/1000	(Danix)
M42d	14563	15-5	Sun	2120	Russian diplo/intel. Link ID 32821, Date 11th, Serial #24	FSK 200/1000	(AB/Danix)
M42d	11414	16-5	Mon	0400	Russian diplo/intel. Null message: Link ID 45079	FSK 200/1000	(Danix)
M42d	10169	16-5	Mon	0410	Russian diplo/intel. Null message: Link ID 45079	FSK 200/1000	(Danix)
M42d	8169	16-5	Mon	0420	Russian diplo/intel. Null message: Link ID 45079	FSK 200/1000	(Danix)
M42d	19609	17-5	Tue	1400	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB/Danix)
M42d	17461	17-5	Tue	1410	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB/Danix)
M42d	15923	17-5	Tue	1420	Russian diplo/intel. Msg 002 on link 32799	FSK 200/1000	(AB/Danix)
M42d	17436	17-5	Tue	1650	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(AB/Danix)
M42d	15789	17-5	Tue	1700	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(AB/Danix)
M42d	13376	17-5	Tue	1710	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(AB/Danix)
M42d	13378	17-5	Tue	2300	Russian diplo/intel. Msg 172 on link 40988	FSK 200/1000	(AB)
M42d	11096	17-5	Tue	2310	Russian diplo/intel. Msg 172 on link 40988	FSK 200/1000	(AB)
M42d	15673	18-5	Wed	0610	Russian diplo/intel. Msg 042 on link 32816	FSK 200/1000	(AB)
M42d	15993	18-5	Wed	0800	Russian diplo/intel. Null message: Link ID 45075	FSK 200/1000	(AB/Danix)
M42d	13581	18-5	Wed	0810	Russian diplo/intel. Null message: Link ID 45075	FSK 200/1000	(AB/Danix)
M42d	11494	18-5	Wed	0820	Russian diplo/intel. Null message: Link ID 45075	FSK 200/1000	(AB/Danix)
M42d	17430	18-5	Wed	1230	Russian diplo/intel. Null message: Link ID 53277	FSK 200/1000	(AB/Danix)
M42d	15914	18-5	Wed	1240	Russian diplo/intel. Msg 162 on link 53277	FSK 200/1000	(AB)
M42d	15814	18-5	Wed	1240	Russian diplo/intel. Null message: Link ID 53277	FSK 200/1000	(Danix)
M42d	13487	18-5	Wed	1250	Russian diplo/intel. Null message: Link ID 53277	FSK 200/1000	(AB/Danix)
M42d	15838	18-5	Wed	2200	Russian diplo/intel. Null message: Link ID 49202	FSK 200/1000	(Danix)
M42d	13984	18-5	Wed	2210	Russian diplo/intel. Null message: Link ID 49202	FSK 200/1000	(Danix)
M42d	11167	18-5	Wed	2220	Russian diplo/intel. Null message: Link ID 49202	FSK 200/1000	(AB/Danix)
M42d	15814	19-5	Thu	1330	Russian diplo/intel. Null message: Link ID 49237	FSK 200/1000	(AB/Danix)
M42d	13411	19-5	Thu	1340	Russian diplo/intel. Null message: Link ID 49237	FSK 200/1000	(AB/Danix)
M42d	11146	19-5	Thu	1350	Russian diplo/intel. Null message: Link ID 49237	FSK 200/1000	(AB/Danix)
M42d	16189	20-5	Fri	0600	Russian diplo/intel. Msg 172 on link 40988	FSK 200/1000	(AB/Danix)
M42d	14408	20-5	Fri	0610	Russian diplo/intel. Msg 172 on link 40988	FSK 200/1000	(AB/Danix)
M42d	12191	20-5	Fri	0620	Russian diplo/intel. Msg 172 on link 40988	FSK 200/1000	(AB/Danix)
M42d	17433	20-5	Fri	1530	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)

M42d	15838	20-5	Fri	1540	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	13426	20-5	Fri	1550	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	16354	21-5	Sat	1100	Russian diplo/intel. Link ID 36882, Date 20th, Serial #50	FSK 200/1000	(Danix)
M42d	14536	21-5	Sat	1110	Russian diplo/intel. Link ID 36882, Date 20th, Serial #50	FSK 200/1000	(Danix)
M42d	12218	21-5	Sat	1120	Russian diplo/intel. Link ID 36882, Date 20th, Serial #50	FSK 200/1000	(Danix)
M42d	18751	21-5	Sat	2100	Russian diplo/intel. Link ID 32821 null message	FSK 200/1000	(Danix)
M42d	16174	21-5	Sat	2110	Russian diplo/intel. Link ID 32821 null message	FSK 200/1000	(Danix)
M42d	14563	21-5	Sat	2120	Russian diplo/intel. Link ID 32821 null message	FSK 200/1000	(Danix)
M42d	17436	22-5	Sun	1650	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	15789	22-5	Sun	1700	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	13376	22-5	Sun	1710	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	17436	23-5	Mon	1650	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	15789	23-5	Mon	1700	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	13376	23-5	Mon	1710	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	19609	24-5	Tue	1400	Russian diplo/intel. Link ID 32799 null message	FSK 200/1000	(Danix)
M42d	17461	24-5	Tue	1410	Russian Diplo/Intel. Nr 105/24th Type 07145 on Link ID 32799	FSK 200/1000	(MPJ/Danix)
M42d	15923	24-5	Tue	1420	Russian Diplo/Intel. Nr 105/24th Type 07145 on Link ID 32799	FSK 200/1000	(MPJ/Danix)
M42d	17436	24-5	Tue	1650	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	15789	24-5	Tue	1700	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	13376	24-5	Tue	1710	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	13378	24-5	Tue	2300	Russian diplo/intel. Null message: Link ID 40988	FSK 200/1000	(Danix)
M42d	11096	24-5	Tue	2310	Russian diplo/intel. Null message: Link ID 40988	FSK 200/1000	(Danix)
M42d	9129	24-5	Tue	2320	Russian diplo/intel. Null message: Link ID 40988	FSK 200/1000	(Danix)
M42d	17420	25-5	Wed	0600	Russian diplo/intel. Msg 66 on link 32816	FSK 200/1000	(Danix)
M42d	15673	25-5	Wed	0610	Russian diplo/intel. Msg 66 on link 32816	FSK 200/1000	(Danix)
M42d	13361	25-5	Wed	0620	Russian diplo/intel. Msg 66 on link 32816	FSK 200/1000	(Danix)
M42d	17488	25-5	Wed	0800	Russian diplo/intel. Link ID 16404, Date 6th, Serial #99	FSK 200/1000	(Danix)
M42d	15993	25-5	Wed	0800	Russian diplo/intel. Null message: Link ID 45075	FSK 200/1000	(Danix)
M42d	15823	25-5	Wed	0810	Russian diplo/intel. Link ID 16404, Date 6th, Serial #99	FSK 200/1000	(Danix)
M42d	13581	25-5	Wed	0810	Russian diplo/intel. Null message: Link ID 45075	FSK 200/1000	(Danix)
M42d	11494	25-5	Wed	0820	Russian diplo/intel. Null message: Link ID 45075	FSK 200/1000	(Danix)
M42d	13459	25-5	Wed	0820	Russian diplo/intel. Link ID 16404, Date 6th, Serial #99	FSK 200/1000	(Danix)
M42d	17436	25-5	Wed	1650	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	15789	25-5	Wed	1700	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	13376	25-5	Wed	1710	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M42d	15838	25-5	Wed	2200	Russian diplo/intel. Null message: Link ID 49202	FSK 200/1000	(Danix)
M42d	13984	25-5	Wed	2210	Russian diplo/intel. Null message: Link ID 49202	FSK 200/1000	(Danix)
M42d	11167	25-5	Wed	2220	Russian diplo/intel. Null message: Link ID 49202	FSK 200/1000	(Danix)
M42d	17488	26-5	Thu	0800	Russian diplo/intel. Link ID 16404, Date 6th, Serial #99	FSK 200/1000	(Danix)
M42d	15823	26-5	Thu	0810	Russian diplo/intel. Link ID 16404, Date 6th, Serial #99	FSK 200/1000	(Danix)
M42d	13459	26-5	Thu	0820	Russian diplo/intel. Link ID 16404, Date 6th, Serial #99	FSK 200/1000	(Danix)
M42d	15814	26-5	Thu	1330	Russian diplo/intel. Null message: Link ID 49237	FSK 200/1000	(Danix)
M42d	13411	26-5	Thu	1340	Russian diplo/intel. Null message: Link ID 49237	FSK 200/1000	(Danix)
M42d	11146	26-5	Thu	1350	Russian diplo/intel. Null message: Link ID 49237	FSK 200/1000	(Danix)
M42d	17483	28-5	Sat	0800	Russian diplo/intel. Link ID 45114, Date 26th, Serial #31	FSK 200/1000	(Danix)

M42d	15828	28-5	Sat	0810	Russian diplo/intel. Link ID 45114, Date 26th, Serial #31	FSK 200/1000	(Danix)
M42d	13420	28-5	Sat	0820	Russian diplo/intel. Link ID 45114, Date 26th, Serial #31	FSK 200/1000	(Danix)
M42d	17426	28-5	Sat	0900	Russian diplo/intel. Link ID 45057, Date 12th, Serial #83	FSK 200/1000	(Danix)
M42d	15818	28-5	Sat	0910	Russian diplo/intel. Link ID 45057, Date 12th, Serial #83	FSK 200/1000	(Danix)
M42d	13396	28-5	Sat	0920	Russian diplo/intel. Link ID 45057, Date 12th, Serial #83	FSK 200/1000	(Danix)
M42d	16354	28-5	Sat	1100	Russian diplo/intel. Link ID 36882, Date 20th, Serial #51	FSK 200/1000	(Danix/MPJ)
M42d	14536	28-5	Sat	1110	Russian diplo/intel. Link ID 36882, Date 20th, Serial #51	FSK 200/1000	(Danix)
M42d	12218	28-5	Sat	1120	Russian diplo/intel. Link ID 36882, Date 20th, Serial #51	FSK 200/1000	(Danix/MPJ)
M42d	18751	28-5	Sat	2100	Russian diplo/intel. Link ID 32821 null message	FSK 200/1000	(Danix)
M42d	16174	28-5	Sat	2110	Russian diplo/intel. Link ID 32821 null message	FSK 200/1000	(Danix)
M42d	14563	28-5	Sat	2120	Russian diplo/intel. Link ID 32821 null message	FSK 200/1000	(Danix)
M42d	18663	28-5	Sat	2130	Russian diplo/intel. Link ID 32821 null message	FSK 200/1000	(Danix)
M42d	16344	28-5	Sat	2140	Russian diplo/intel. Link ID 32821 null message	FSK 200/1000	(Danix)
M42d	14869	28-5	Sat	2150	Russian diplo/intel. Link ID 32821 null message	FSK 200/1000	(Danix)
M42d	17483	29-5	Sun	0800	Russian diplo/intel. Link ID 45114, Date 26th, Serial #31	FSK 200/1000	(Danix)
M42d	15828	29-5	Sun	0810	Russian diplo/intel. Link ID 45114, Date 26th, Serial #31	FSK 200/1000	(Danix)
M42d	13420	29-5	Sun	0820	Russian diplo/intel. Link ID 45114, Date 26th, Serial #31	FSK 200/1000	(Danix)
M42d	17426	29-5	Sun	0900	Russian diplo/intel. Link ID 45057, Date 12th, Serial #83	FSK 200/1000	(Danix)
M42d	15818	29-5	Sun	0910	Russian diplo/intel. Link ID 45057, Date 12th, Serial #83	FSK 200/1000	(Danix)
M42d	13396	29-5	Sun	0920	Russian diplo/intel. Link ID 45057, Date 12th, Serial #83	FSK 200/1000	(Danix)
M42d	14536	29-5	Sun	1110	Russian diplo/intel. Link ID 36882, Date 20th, Serial #51	FSK 200/1000	(Danix)
M42d	12218	29-5	Sun	1120	Russian diplo/intel. Link ID 36882, Date 20th, Serial #51	FSK 200/1000	(Danix)
M42d	17433	29-5	Sun	1530	Russian diplo/intel. Link ID 20501, Date 27th, Serial #55	FSK 200/1000	(Danix/MPJ)
M42d	15838	29-5	Sun	1540	Russian diplo/intel. Link ID 20501, Date 27th, Serial #55	FSK 200/1000	(Danix)
M42d	13426	29-5	Sun	1550	Russian diplo/intel. Link ID 20501, Date 27th, Serial #55	FSK 200/1000	(Danix)
M42d	17433	30-5	Mon	1530	Russian diplo/intel. Link ID 20501, Date 27th, Serial #55	FSK 200/1000	(Danix)
M42d	15838	30-5	Mon	1540	Russian diplo/intel. Link ID 20501, Date 27th, Serial #55	FSK 200/1000	(Danix)
M42d	13426	30-5	Mon	1550	Russian diplo/intel. Link ID 20501, Date 27th, Serial #55	FSK 200/1000	(Danix)
M42d	19609	31-5	Tue	1400	Russian diplo/intel. Link ID 32799 null message	FSK 200/1000	(Danix)
M42d	17461	31-5	Tue	1410	Russian diplo/intel. Link ID 32799 null message	FSK 200/1000	(Danix)
M42d	15923	31-5	Tue	1420	Russian diplo/intel. Link ID 32799 null message	FSK 200/1000	(Danix)
M42d	17436	31-5	Tue	1650	Russian diplo/intel. Link ID 20501, Date 30th, Serial #56	FSK 200/1000	(Danix)
M42d	15789	31-5	Tue	1700	Russian diplo/intel. Link ID 20501, Date 30th, Serial #56	FSK 200/1000	(Danix)
M42d	13376	31-5	Tue	1710	Russian diplo/intel. Link ID 20501, Date 20th, Serial #54	FSK 200/1000	(Danix)
M51a	6825	19-5	Thu	1056	endless transmission i.p. Mixed letters, figures and punctuations	CW	(AB)
M76	3294	15-5	Sun	1750	B7B7 de HLYM QTC 441 31 = 16310 15144 93093 40945 02563 3235 ...	CW	(F5JBR)
M76	3294	16-5	Mon	0400	UTAA de ESBF QTC 442 35 = 26310 05144 92080 ... 06915 50401 5XXXX NNNNN = 439 23 = 40545 etc = 438 28 = 40545 etc	CW	(F5JBR)

M76	3294	17-5	Mon	0400	8V6Q de WI8S QTC 444 36 = 26310 05154 92080 30264 41830 ...	CW	(F5JBR)
M76	3294	20-5	Fri	0400	329U DE UYW7 QTC 458 ... 40964 11230 61614 18317 85993 64651 ...	CW	(F5JBR)
M76	3294	23-5	Mon	0400	HCUE de A45R QTC 467 29 = 26310 05214 92080 40964 11831 78599 01120 91993 ...	USB	(F5JBR)
M76	3294	28-5	Sat	0400	66B8 DE I5TP QTC 478 35 = 26310 05264 92080 41564 ... DDDDDD 091XX NNNNN = ...	CW	(F5JBR)
M76	3294	30-5	Mon	0400	75HV DE 57YL QTC 482 29 = 26310 05284 92080 41564 11831 ...	CW	(F5JBR)
M89	10180	1-5	Sun	0950	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	5801	1-5	Sun	0950	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	8858	1-5	Sun	0958	CQ (x3) DE DP91 (x2) V //6845	CW	(JPL)
M89	6845	1-5	Sun	0958	CQ (x3) DE DP91 (x2) V NIL SK GB //8858	CW	(JPL)
M89	5588	1-5	Sun	1006	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	1-5	Sun	1748	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	1-5	Sun	1748	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4131	1-5	Sun	1750	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4322	1-5	Sun	1753	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	4990	1-5	Sun	1755	V J3SU (x3) DE RTIB (x2)	CW	(JPL)
M89	7602	1-5	Sun	2227	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3642	1-5	Sun	2227	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	4131	1-5	Sun	2228	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4990	1-5	Sun	2229	V J3SU (x3) DE RTIB (x2)	CW	(JPL)
M89	5588	1-5	Sun	2231	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	5588	2-5	Mon	1103	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	10180	2-5	Mon	1111	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	5801	2-5	Mon	1111	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	6840	2-5	Mon	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	2-5	Mon	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3642	2-5	Mon	1651	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	2-5	Mon	1651	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	4131	2-5	Mon	1659	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4720	2-5	Mon	1830	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	3330	2-5	Mon	1833	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	7602	2-5	Mon	2306	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	3642	2-5	Mon	2306	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	10180	3-5	Tue	0955	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	5588	3-5	Tue	1008	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6840	3-5	Tue	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	3-5	Tue	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	5588	3-5	Tue	1345	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	3-5	Tue	1410	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	14818	3-5	Tue	1715	MSG NR 8896 CK 6175 06401 RMKS 84322 10M2843225 = 4FG msg	CW	(PPA)
M89	10640	4-5	Wed	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	4-5	Wed	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	5588	4-5	Wed	1123	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	10180	4-5	Wed	1131	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	5801	4-5	Wed	1131	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	7602	4-5	Wed	1429	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M89	3642	4-5	Wed	1429	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	3330	4-5	Wed	2043	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4131	4-5	Wed	2047	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4322	4-5	Wed	2048	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	10640	5-5	Thu	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	5801	5-5	Thu	1132	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	5-5	Thu	1132	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	7783	5-5	Thu	1137	i.p. TUAA TT34 4DN5 TT4U 4573 6AN7 3AT6 3DUA AR HR NR 2050 HR NR 2050 NIL SK NIL SK	CW	(JPL)
M89	5588	5-5	Thu	1213	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4306	5-5	Thu	1417	i.p. DTDD AUD4 33.4 6NTA A573 6SDN AR	CW	(JPL)
M89	4322	5-5	Thu	1417	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	5177	5-5	Thu	1424	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5588	5-5	Thu	1426	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)

M89	4860	5-5	Thu	1920	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	5-5	Thu	1920	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	3642	5-5	Thu	1922	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	5-5	Thu	1922	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4322	5-5	Thu	1927	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	5588	5-5	Thu	1930	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	5-5	Thu	2253	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	5-5	Thu	2253	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	5177	5-5	Thu	2301	V JKDJ (x3) DE SLBC (x2) //N/H	CW	(JPL)
M89	6840	5-5	Thu	2320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	10180	6-5	Fri	0951	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	5801	6-5	Fri	0951	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	8858	6-5	Fri	0959	DP91 (x3) DE CQ (x2) V HR NIL SK GB //6845	CW	(JPL)
M89	6845	6-5	Fri	0959	DP91 (x3) DE CQ (x2) V //8858	CW	(JPL)
M89	5588	6-5	Fri	1111	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	10180	6-5	Fri	1113	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4322	6-5	Fri	1115	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	10640	6-5	Fri	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	6-5	Fri	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	3642	6-5	Fri	1545	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	6-5	Fri	1545	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	5588	6-5	Fri	1547	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4322	6-5	Fri	1548	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	5177	6-5	Fri	1605	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	8858	7-5	Sat	1005	CQ (x3) DE DP91 (x2) V //6845	CW	(JPL)
M89	6845	7-5	Sat	1005	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8858	CW	(JPL)
M89	5801	7-5	Sat	1016	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	7-5	Sat	1016	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	10640	7-5	Sat	1020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	7602	7-5	Sat	1843	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3642	7-5	Sat	1843	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	4322	7-5	Sat	1844	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	4131	7-5	Sat	1846	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5588	7-5	Sat	1847	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	5588	8-5	Sun	1033	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	10640	8-5	Sun	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	8-5	Sun	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	3330	8-5	Sun	2018	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6840	8-5	Sun	2020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4860	8-5	Sun	2020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3642	8-5	Sun	2022	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	8-5	Sun	2022	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4131	8-5	Sun	2023	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4322	8-5	Sun	2024	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	5588	9-5	Mon	1111	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	5801	9-5	Mon	1113	(i.p. QSL 1750 K. HR MSG RPT TIME K. ER OK	CW	(JPL)
M89	6840	9-5	Mon	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	9-5	Mon	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	5801	9-5	Mon	1202	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4322	9-5	Mon	1510	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	5177	9-5	Mon	1513	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5588	9-5	Mon	1517	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6840	9-5	Mon	1520	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4860	9-5	Mon	1520	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	7602	9-5	Mon	1523	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4131	9-5	Mon	2331	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	7602	9-5	Mon	2332	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	10180	10-5	Tue	0953	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	5801	10-5	Tue	0953	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	8858	10-5	Tue	0956	CQ (x3) DE DP91 (x2) V HR NIL SK GB //6845	CW	(JPL)
M89	6845	10-5	Tue	0956	CQ (x3) DE DP91 (x2) V //8858	CW	(JPL)
M89	6840	10-5	Tue	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	10-5	Tue	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	5588	10-5	Tue	1121	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)

M89	4322	10-5	Tue	1123	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	3330	10-5	Tue	1448	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	5801	10-5	Tue	1452	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	10-5	Tue	1452	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4131	10-5	Tue	1456	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4322	10-5	Tue	1458	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	5519	10-5	Tue	1500	i.p. RPT 21 = 346N 7UD6 63U4 D4UD ... R OK U MSG GA K. OK	CW	(JPL)
M89	5419	10-5	Tue	1505	i.p. N4T5 54N7 DTUA NAT5 T3D7 5AD6 ...	CW	(JPL)
M89	5496	10-5	Tue	1507	i.p. 7D5N III Q R GA GA	CW	(JPL)
M89	5416	10-5	Tue	1509	i.p. NPT EEEE NPT 11W BT TNA5 ...	CW	(JPL)
M89	5670	10-5	Tue	1510	i.p. DNT5 A3N7 D46T 457U 6453 AU56 ... AR = K R R U GA	CW	(JPL)
M89	5645	10-5	Tue	1512	i.p. BT BT YR MSG TRY GA = YR MSG TRY GA	CW	(JPL)
M89	5519	10-5	Tue	1518	i.p. D7DA N63D 5T76 A376 ... RPT 511 = ANN3 NA6A 7365 DUUA ... AR K RPT OK U MSG GA K	CW	(JPL)
M89	3330	10-5	Tue	1958	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6840	11-5	Wed	0920	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	5349	11-5	Wed	1409	i.p. UD5T 347T DU7A 4537 AU4T ... III 3P = 334A 7NNT T.45 A43A 35D5 ...	CW	(JPL)
M89	4322	11-5	Wed	1412	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	3642	11-5	Wed	1415	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	11-5	Wed	1415	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4131	11-5	Wed	1417	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5588	11-5	Wed	1418	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4860	11-5	Wed	1420	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	3642	11-5	Wed	1855	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	11-5	Wed	1855	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	5588	11-5	Wed	1900	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4322	11-5	Wed	1903	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	4131	11-5	Wed	1905	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6845	12-5	Thu	1003	CQ (x3) DE DP91 (x2) V HR NIL SK GB //8858	CW	(JPL)
M89	8858	12-5	Thu	1003	CQ (x3) DE DP91 (x2) V //6845	CW	(JPL)
M89	5801	12-5	Thu	1010	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	12-5	Thu	1010	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	10640	12-5	Thu	1020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	3330	12-5	Thu	1111	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6840	12-5	Thu	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	12-5	Thu	1120	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	4322	12-5	Thu	1459	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	4131	12-5	Thu	1500	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3642	12-5	Thu	1502	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	12-5	Thu	1502	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4860	12-5	Thu	2220	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	12-5	Thu	2220	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	5588	13-5	Fri	1007	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	13-5	Fri	1759	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	13-5	Fri	1759	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	5588	13-5	Fri	1800	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4322	13-5	Fri	1801	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	3642	13-5	Fri	1950	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	5588	14-5	Sat	1215	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	10640	14-5	Sat	1220	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	14-5	Sat	1220	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	4322	14-5	Sat	1222	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	3642	14-5	Sat	1404	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3682	14-5	Sat	1415	i.p. QSL 2213 KK. MSG NR 1480 CK 61 51 0514 2150 RMKS 7620080 TO 7620085 K K	CW	(JPL)
M89	6845	17-5	Tue	1002	CQ (x3) DE DP91 (x2) V HR NIL SK GB	CW	(JPL)
M89	5588	17-5	Tue	1010	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6840	17-5	Tue	1020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	17-5	Tue	1020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	5588	17-5	Tue	1158	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	17-5	Tue	1507	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)

M89	5588	17-5	Tue	1901	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4322	17-5	Tue	1903	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	7602	17-5	Tue	1907	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3642	17-5	Tue	1907	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	4131	17-5	Tue	1909	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	10180	18-5	Wed	1834	V DKG6 DKG6 DKG6 DE 3A7D 3A7D	CW	(PPA)
M89	3330	18-5	Wed	1835	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	7602	18-5	Wed	1837	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4322	18-5	Wed	1838	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	4241	19-5	Thu	1141	i.p. VVV VAD3 K. DE VBA. K /DE VBA3 K (see N&O 244)	CW	(JPL)
M89	3642	19-5	Thu	1601	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3330	19-5	Thu	1607	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	19-5	Thu	1608	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	19-5	Thu	1608	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M89	4322	19-5	Thu	1610	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	6840	19-5	Thu	1620	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4860	19-5	Thu	1620	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	4720	19-5	Thu	1630	VVV WNF DE FXM QSA ? QSV K	CW	(JPL)
M89	4720	21-5	Sat	1730	VVV WNF DE FXM QSA ? QSV K	CW	(JPL)
M89	5588	21-5	Sat	1731	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4322	21-5	Sat	1732	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	5588	22-5	Sun	1325	i.p. FFF NR 1001/EX 0800 = AKE.G/K5N AR QSL ? ((see N&O 244)	CW	(JPL)
M89	3330	22-5	Sun	1338	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4322	22-5	Sun	1339	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	3642	22-5	Sun	1609	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	22-5	Sun	1609	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3330	22-5	Sun	1611	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4131	22-5	Sun	1612	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4322	22-5	Sun	1614	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	6840	22-5	Sun	1620	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4860	22-5	Sun	1620	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	4720	22-5	Sun	1630	VVV WNF DE FXM QSA ? QSV K	CW	(JPL)
M89	7602	22-5	Sun	1929	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3642	22-5	Sun	1929	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	4720	22-5	Sun	1930	VVV WNF DE FXM QSA ? QSV K	CW	(JPL)
M89	4131	22-5	Sun	1932	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	10640	23-5	Mon	0020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	23-5	Mon	0020	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	4241	23-5	Mon	1146	i.p. 4AT3 UNTD 4N5D UT3N NDUD T5AD A74N 4T5U	CW	(JPL)
M89	3330	23-5	Mon	1211	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6840	23-5	Mon	1220	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	23-5	Mon	1220	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	10180	23-5	Mon	1226	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4720	23-5	Mon	1630	VVV WNF DE FXM QSA ? QSV K	CW	(JPL)
M89	3642	23-5	Mon	1638	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	7602	23-5	Mon	1641	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3330	23-5	Tue	1758	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	5588	24-5	Tue	1216	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4322	24-5	Tue	1219	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	10640	24-5	Tue	1220	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	24-5	Tue	1220	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	5555	24-5	Tue	1222	i.p. 5UA6 UD63 D46N 6UA5 NDT4 = 5D7U AR	CW	(JPL)
M89	14410	24-5	Tue	1423	NR 7093 CK79 66 05 24 2155 RMKS 6865612 TO 6865614 ...	CW	(F5JBR)
M89	7602	24-5	Tue	1759	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4131	24-5	Tue	1800	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4322	24-5	Tue	1801	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	6840	24-5	Tue	2320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	24-5	Tue	2320	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3642	25-5	Wed	1707	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	25-5	Wed	1707	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3330	25-5	Wed	1815	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	25-5	Wed	1818	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)

M89	7602	25-5	Wed	1818	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	6840	25-5	Wed	1820	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4860	25-5	Wed	1820	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	4322	25-5	Wed	1821	V B9GJ (x3) DE FSC8 (x2)	CW	(JPL)
M89	10180	26-5	Thu	1126	V DKG6 (x3) DE 3A7D (x2) //N/H	CW	(JPL)
M89	5588	26-5	Thu	1128	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6840	26-5	Thu	1130	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	26-5	Thu	1130	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	10180	27-5	Fri	1010	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	5801	27-5	Fri	1010	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	5588	27-5	Fri	1117	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6840	27-5	Fri	1130	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	27-5	Fri	1130	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	12747	27-5	Fri	1403	URG5: NR 5266 CK61 05 0527 2350 RMKS FM 7844084 TO 7844080 ...	CW	(F5JBR)
M89	14731	27-5	Fri	1448	MSG NR ..56 CK79 53 05272240 RMKS 6985617 TO 6565616 = 43F7 U36D ... AR QSL ? K	CW	(F5JBR)
M89	5576	27-5	Fri	2048	i.p. RMKS .15583. TO 3155845 K = 4375 64NA UN37 4A3U .NAU 5347 D34U 57D. AR WK	CW	(JPL)
M89	5566	27-5	Fri	2055	i.p. R QSL 0454 K. R R QSL 0455 HW WK NR 4779 K K	CW	(JPL)
M89	14558	28-5	Sat	1336	NR 6..3 CK61 CLS 21 05 28 2100 RMKS 7844084 TO 7844089 ...	CW	(F5JBR)
M89	12511	28-5	Sat	1401	NR 43 CK79 70 2805 0528 2150 RMKS FM 68656 TO 6865615 ...	CW	(F5JBR)
M89	12747	28-5	Sat	1403	URG5: NR 5325 CK71 CLS45 05 28 2150 RKMS 7844084 TO 7844080 ...	CW	(F5JBR)
M89	13026	30-5	Mon	1432	NR 637 CK 71 29 05 30 2150 RMKS 8936678 TO 8936379 ...	CW	(F5JBR)
M89	7602	30-5	Mon	2314	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6840	30-5	Mon	2330	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	30-5	Mon	2330	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	10640	31-5	Tue	0030	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	31-5	Tue	0030	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	31-5	Tue	1130	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	31-5	Tue	1130	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	7602	31-5	Tue	1433	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	16318	31-5	Tue	1501	NR 5244 CK 71 00 05312440 RMKS 3121846 TO 3121837 = û GROUPS 4 Figures and Letters) in Dx (31mai16) (F5JBR)	CW	(F5JBR)
M89	3642	31-5	Tue	1525	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3330	31-5	Tue	1533	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	12365	31-5	Tue	1722	Messages	CW	(F5JBR)
M89	14808	31-5	Tue	1723	4 figure message using cut numbers over into Chinese duplex voice traffic	CW	(PPA)
M89	15123	31-5	Tue	1798	Messages	CW	(F5JBR)
M89v	15123	31-5	Tue	1717	Chinese voice message	USB	(F5JBR)
M89v	14808	31-5	Tue	1724	Voice traffic	USB	(PPA)
M89v	12365	31-5	Tue	1737	Chinese voice message	USB	(F5JBR)
M90	4852	10-5	Tue	0631	MXV5 wkg CQXJ, XVSQ, DNSF, K6ZJ, ICFV, PJP6, E5BJ, HR3H (collective callsign)	CW	(F5JBR)
M90	4852	10-5	Tue	0631	Czech Army. MXV5 wkg CQXJ, XVSQ, DNSF, K6ZJ, ICFV, PJP6, E5BJ. Collective Callsign: HR3H	CW	(F5JBR)
M90	3388	12-5	Thu	0438	K8FP wkg MHL4, U8D8, G6CS, AR4L. Collective Callsign: JBF5	CW	(F5JBR)
M95	8073	2-5	Mon	1134	V BNGC (x3) DE XSV85 (x2) NR 0347 CK 133 35 0502 1555 = TTU 3U6 3AN 3U7 TAU 773 TA7 773 353 ...	CW	(JPL-HK)
M95	9054	2-5	Mon	1149	VVV HR MSG TOYR PSE CY NR 04 225 35 0502 1612 = UTU TTU 3U6 3A4 7TU 7TA N.6 7UD 777 ... //4243 kHz	CW	(JPL-HK)
M95	4243	2-5	Mon	1149	VVV HR MSG TOYR PSE CY NR 04 225 35 0502 1612 = UTU TTU 3U6 3A4 7TU 7TA N.6 7UD 777 ... //9054 kHz	CW	(JPL-HK)
M95	9054	2-5	Mon	2349	V (too weak to copy)	CW	(JPL-HK)
M95	7553	3-5	Tue	1312	V BNEC (x3) DE XSV70 (x2) .. PSE CY NR 371 CK 128 35 0503 1542 .UT. AR ZNN VA //4283 kHz	CW	(JPL-HK)
M95	4283	3-5	Tue	1312	V BNEC (x3) DE XSV70 (x2) .. PSE CY NR 371 CK 128 35 0503 1542 .UT. AR ZNN VA //7553 kHz	CW	(JPL-HK)

M95	4243	5-5	Thu	1146	VVV HR MSG TOYR PSE CY NR HR MSG TOYR PSE CY NR 045 25 35 0505 1513 = 5TD UTT TT5 3U6 7TA N44 3A4 354 ... //9054 kHz	CW	(JPL-Sib)
M95	9054	5-5	Thu	1146	VVV HR MSG TOYR PSE CY NR HR MSG TOYR PSE CY NR 045 25 35 0505 1513 = 5TD UTT TT5 3U6 7TA N44 3A4 354 ... //4243 kHz	CW	(JPL-Sib)
M95	4780	5-5	Thu	1407	i.p. HR ISNEW HDT I MWK/..SNW PSE ... PSE A..WK .. EEEEE (CW	(JPL-Sib)
M95	9054	5-5	Thu	2347	AR MSG AGN NR 0128 CK 25 35 0506 0..2 =	CW	(JPL-Sib)
M95	8073	6-5	Fri	1133	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0355 CK 149 35 0506 1542 = TT6 3U6 3AN 3U7 TAU 773 356 35N ...	CW	(JPL-HK)
M95	9054	6-5	Fri	1145	VVV HR 7G TOYR PSE CY NR 0476 CK 23 35 0506 1520 = UTT TT6 3U6 7T7 ... //4243 kHz	CW	(JPL-HK)
M95	4243	6-5	Fri	1145	VVV HR 7G TOYR PSE CY NR 0476 CK 23 35 0506 1520 = UTT TT6 3U6 7T7 ... //9054 kHz	CW	(JPL-HK)
M95	7554	7-5	Sat	1001	i.p. //4284 kHz	CW	(JPL-HK)
M95	4284	7-5	Sat	1001	i.p. //7554 kHz	CW	(JPL-HK)
M95	8073	8-5	Sun	1135	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0359 CK 204 35 ...	CW	(JPL-HK)
M95	4243	8-5	Sun	1146	VVV HR MSG TOYR PSE CY NR 0.2 CK 11 35 0508 15.3 ... //9054 kHz	CW	(JPL-HK)
M95	9054	8-5	Sun	1146	VVV HR MSG TOYR PSE CY NR 0.2 CK 11 35 0508 15.3 ... //4243 kHz	CW	(JPL-HK)
M95	8073	9-5	Mon	1138	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0361 CK 283 35 0509 1608 = 3U6 3AN 3U7 TAU 773 357 367 4AD NN3 ...	CW	(JPL-HK)
M95	4243	9-5	Mon	1145	HR MSG TOYR PSE CY NR 53 CK 23 35 0509 1521 = 5TN UTT TTN ... //9054 kHz	CW	(JPL-HK)
M95	9045	9-5	Mon	1145	HR MSG TOYR PSE CY //4243 kHz	CW	(JPL-HK)
M95	4243	9-5	Mon	1145	HR MSG TOYR PSE CY //9045 kHz	CW	(JPL-HK)
M95	9054	9-5	Mon	1145	HR MSG TOYR PSE CY NR 53 CK 23 35 0509 1521 = 5TN UTT TTN ... //4243 kHz	CW	(JPL-HK)
M95	9054	9-5	Mon	2346	VVV HR MSG TOYR PSE CY NR 040 CK 18 35 0510 0622 = ...	CW	(JPL-HK)
M95	8073	10-5	Tue	1136	V BNGC (x3) DE XSV85 (x2) HR 7G GA PSE CY NR 0363 CK 220 35 0510 1553 = TAT 3U6 3AN 3U7 TAU 773 ...	CW	(JPL-HK)
M95	9054	10-5	Tue	1145	VVV HR 7G TOYR PSE CY NR 05. CK 19 35 0510 1520 = 5TD UTT TAT ... //4243 kHz	CW	(JPL-HK)
M95	4243	10-5	Tue	1145	VVV HR 7G TOYR PSE CY NR 05. CK 19 35 0510 1520 = 5TD UTT TAT ... //9054 kHz	CW	(JPL-HK)
M95	8073	12-5	Thu	1136	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0367 CK 170 35 0512 1608 = TAU 3U6 3AN 3U7 TAU 773 ...	CW	(JPL-HK)
M95	9054	12-5	Thu	1145	V HR MSG TOYR PSE CY NR 059 CK 33 35 0512 153. 5T. ... TT TAU 3U6 7TA N44 3A4 ... AR //4243 kHz	CW	(JPL-HK)
M95	4243	12-5	Thu	1145	V HR MSG TOYR PSE CY NR 059 CK 33 35 0512 153. 5T. ... TT TAU 3U6 7TA N44 3A4 ... AR //9054 kHz	CW	(JPL-HK)
M95	8073	14-5	Sat	1148	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0371 CK 306 35 05A4 1603 = TA4 3U6 3AN 3U7 TAU 773 TA7 773 353 4T3 NN3 ... AR	CW	(JPL-HK)
M95	4243	14-5	Sat	1152	VVV HR 7G TOYR PSE CY NR 005 30. 34 35 0514 1518 = 5TD UTT TA4 3U6 7TA N44 ... AR //9054 kHz	CW	(JPL-HK)
M95	9054	14-5	Sat	1152	VVV HR 7G TOYR PSE CY NR 005 30. 34 35 0514 1518 = 5TD UTT TA4 3U6 7TA N44 ... AR //4243 kHz	CW	(JPL-HK)
M95	8073	17-5	Tue	1134	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0383 CK 99 35 0517 1533 = TA7 3U6 3AN 3U7 TAU 773 ... AR	CW	(JPL-HK)
M95	4243	17-5	Tue	1149	i.p.A HR UP S. WK AR AR //9054 kHz	CW	(JPL-HK)
M95	9054	17-5	Tue	1149	i.p.A HR UP S. WK AR AR //4243 kHz	CW	(JPL-HK)
M95	7554	18-5	Wed	0911	V BNEC (x3) DE XSV70 (x2) //9152 kHz	CW	(JPL-HK)
M95	8073	19-5	Thu	1136	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0388 CK 249 35 0519 1607 = TAN 3U6 3AN 3U7 TAU 773 ...	CW	(JPL-HK)
M95	9054	19-5	Thu	1146	VVV HR 7G TOYR PSE CY NR 073 19 35 0519 1521 = 5TD UTT TAN 3U6 3A4 35U N3D ... //4243 kHz	CW	(JPL-HK)

M95	4243	19-5	Thu	1146	VVV HR 7G TOYR PSE CY NR 073 19 35 0519 1521 = 5TD UTT TAN 3U6 3A4 35U N3D ... //9054 kHz	CW	(JPL-HK)
M95	8073	22-5	Sun	1138	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0394 CK 44 35 0522 1603 = TT5 N5U TUU N53 TAD ...	CW	(JPL-HK)
M95	9054	22-5	Sun	2350	VVV + msgs	CW	(JPL-HK)
M95	8073	24-5	Tue	0005	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR NR 0396 CK 109 35 0523 0708 = TU3 3.4 3A4 TAU ... Ar	CW	(JPL-HK)
M95	8073	24-5	Tue	1141	V BNGC (x3) DE XSV85 (x2) HR MSGS GA NR 0398 CK 20. 35 0523 1547 = ...	CW	(JPL-HK)
M95	4243	24-5	Tue	1149	VVV TOYR RPST CY NR 089 CK 19 35 0523 1518 = TDU TTT A33 U67 TAN 443 ... //9054 kHz	CW	(JPL-HK)
M95	9054	24-5	Tue	1149	VVV TOYR RPST CY NR 089 CK 19 35 0523 1518 = TDU TTT A33 U67 TAN 443 ... //4243 kHz	CW	(JPL-HK)
M95	8073	26-5	Thu	1147	V BNGC (x3) DE XSV85 (x2) HR 7GS GA PSE CY NR 0410 CK 76 35 0526 1628 = N5U TU6 N53 TAD N54 7TT ...	CW	(JPL-HK)
M95	4241	26-5	Thu	1151	VVV 8GFE DE KEL6 K. VVV BBV7 DE KEL6 K (see N&O 224)	CW	(JPL-HK)
M95	9054	26-5	Thu	1205	i.p. 36T 33A N3U 373 4T7 445 3UN 354 AR //4243 kHz	CW	(JPL-HK)
M95	4243	26-5	Thu	1205	i.p. 36T 33A N3U 373 4T7 445 3UN 354 AR //9054 kHz	CW	(JPL-HK)
M95	4243	27-5	Fri	1147	VVV HR 7G TOYR PSE CY NR 089 CK 19 35 0527 1515 = 5TD ATT TU7	CW	(JPL-HK)
M95	9054	30-5	Mon	2350	VVV	CW	(JPL-HK)
M95	8073	31-5	Tue	0010	i.p. AR AR 7G AGN NR NR 04.5 CK 110 35 0531 0705 ...	CW	(JPL-HK)
M95	6666	31-5	Tue	1126	05 05 05 VVV 37N. .D7.37.GA NR 05 05 05 05 T.7.GA RT. 5TUD. 7AD3..	CW	(JPL-HK)
M95	8073	31-5	Tue	1134	V BNGC (x3) DE XSV85 .. 7G GA PSE CY NR 0426 CK 191 35 0531 1521 = .3A 3U6 3AN 3U7 ...	CW	(JPL-HK)
M95	4243	31-5	Tue	1146	V = NR 067 21 35 053A1 EE 16 = 5WEUTTT3A 3UT 53A4 ... //9054 kHz	CW	(JPL-HK)
M95	9054	31-5	Tue	1146	V = NR 067 21 35 053A1 EE 16 = 5WEUTTT3A 3UT 53A4 ... //4243 kHz	CW	(JPL-HK)
MC03	3705	3-5	Tue	1431	AUU AUTAUT D737N66 A5D 3A. AUU AUTAUT D737N5U A5D 32. AUU AUTAUT D7374DN A5D 33. AUU AUTAUT D7374UA A5D 34	CW	(JPL-Sib)
MX	4084	1-5	Sun	2149	Beacon V	CW	(comp)
MX	13528.3	14-5	Sat	0702	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-HK)
MX	13528.2	14-5	Sat	0702	Beacon F, Vladivostok	CW	(AB-HK)
MX	13528.4	14-5	Sat	0702	Beacon M, Magadan	CW	(AB-HK)
MX	16331.7	14-5	Sat	0824	Beacon D, Sevastopol	CW	(AB)
MX	16332	14-5	Sat	0824	Beacon C, Moscow	CW	(AB)
MX	13528	14-5	Sat	0825	Beacon C, Moscow	CW	(AB)
MX	13527.7	14-5	Sat	0825	Beacon D, Sevastopol	CW	(AB)
MX	13527.9	14-5	Sat	0825	Beacon S, Severomorsk	CW	(AB)
MX	10871.9	14-5	Sat	0826	Beacon S, Severomorsk	CW	(AB)
MX	10872	14-5	Sat	0826	Beacon C, Moscow	CW	(AB)
MX	10871.7	14-5	Sat	0826	Beacon D, Sevastopol	CW	(AB)
MX	8497.8	14-5	Sat	0827	Beacon L, St Petersburg	CW	(AB)
MX	10872	14-5	Sat	1718	Beacon C, Moscow	CW	(MPJ)
MX	10871.7	14-5	Sat	1718	Beacon D, Sevastopol	CW	(MPJ)
MX	10871.9	14-5	Sat	1718	Beacon S, Severomorsk	CW	(MPJ)
POL	6480	2-5	Mon	0800	0434 00000	FSK 100/625	(AB)
POL	6480	2-5	Mon	0800	0434 00000	FSK 100/625	(AB)
POL	13424	2-5	Mon	0845	0353 00000	FSK 100/625	(AB)
POL	13424	2-5	Mon	0850	0353 00000	FSK 100/625	(AB)
POL	13470	3-5	Tue	0630	0574 00000	FSK 100/625	(AB)
POL	13470	3-5	Tue	0635	0574 00000	FSK 100/625	(AB)
POL	14575	3-5	Tue	0655	0684 00000	FSK 100/625	(AB)
POL	14575	3-5	Tue	0700	0684 00000	FSK 100/625	(AB)
POL	14940	3-5	Tue	0730	0433 00000	FSK 100/625	(AB)
POL	14940	3-5	Tue	0735	0433 00000	FSK 100/625	(AB)
POL	8423	3-5	Tue	0900	0554 88888 88888 25761 85195 22692 ... 11560 64029 04630 88888 88888 00037 00037	FSK 100/625	(AB)
POL	8423	3-5	Tue	0905	0554 88888 88888 25761 85195 22692 ... 11560 64029 04630 88888 88888 00037 00037	FSK 100/625	(AB)

POL	15690	3-5	Tue	1245	0132 88888 88888 96922 75027 24495 ... 80211 49111 72668 88888 88888 00040 00040	FSK 100/625	(AB)
POL	15690	3-5	Tue	1250	0132 88888 88888 96922 75027 24495 ... 80211 49111 72668 88888 88888 00040 00040	FSK 100/625	(AB)
POL	13537	4-5	Wed	0530	0453 00000	FSK 100/625	(AB)
POL	13537	4-5	Wed	0535	0453 00000	FSK 100/625	(AB)
POL	13424	4-5	Wed	0845	0353 00000	FSK 100/625	(AB)
POL	13424	4-5	Wed	0850	0353 00000	FSK 100/625	(AB)
POL	10210	4-5	Wed	1150	0325 00000	FSK 100/625	(AB)
POL	10210	4-5	Wed	1155	0325 00000	FSK 100/625	(AB)
POL	13470	5-5	Thu	0630	0574 00000	FSK 100/625	(AB)
POL	13470	5-5	Thu	0635	0574 00000	FSK 100/625	(AB)
POL	14940	5-5	Thu	0730	0433 00000	FSK 100/625	(AB)
POL	14940	5-5	Thu	0735	0433 00000	FSK 100/625	(AB)
POL	6480	5-5	Thu	0800	0434 00000	FSK 100/625	(AB)
POL	6480	5-5	Thu	0805	0434 00000	FSK 100/625	(AB)
POL	13537	6-5	Fri	0530	0453 00000	FSK 100/625	(AB)
POL	13537	6-5	Fri	0535	0453 00000	FSK 100/625	(AB)
POL	14575	6-5	Fri	0655	0684 00000	FSK 100/625	(AB)
POL	14575	6-5	Fri	0700	0684 00000	FSK 100/625	(AB)
POL	8423	6-5	Fri	0900	0554 88888 88888 25761 85195 22692 ... 11560 64029 04630 88888 88888 00037 00037	FSK 100/625	(AB)
POL	8423	6-5	Fri	0905	0554 88888 88888 25761 85195 22692 ... 11560 64029 04630 88888 88888 00037 00037	FSK 100/625	(AB)
POL	12385	7-5	Sat	1245	0547 00000	FSK 100/625	(Danix)
POL	12385	7-5	Sat	1250	0547 00000	FSK 100/625	(Danix)
POL	6480	9-5	Mon	0800	0434 00000	FSK 100/625	(AB)
POL	6480	9-5	Mon	0800	0434 00000	FSK 100/625	(AB)
POL	13424	9-5	Mon	0845	0353 00000	FSK 100/625	(AB)
POL	13424	9-5	Mon	0850	0353 00000	FSK 100/625	(AB)
POL	13470	10-5	Tue	0630	0574 88888 88888 72250 88494 03736 ... 88531 42189 00328 88888 88888 (no group count)	FSK 100/625	(AB)
POL	13470	10-5	Tue	0635	0574 88888 88888 72250 88494 03736 ... 88531 42189 00328 88888 88888 (no group count)	FSK 100/625	(AB)
POL	14575	10-5	Tue	0655	0684 00000	FSK 100/625	(AB)
POL	14575	10-5	Tue	0700	0684 00000	FSK 100/625	(AB)
POL	14940	10-5	Tue	0730	0433 00000	FSK 100/625	(AB)
POL	14940	10-5	Tue	0735	0433 00000	FSK 100/625	(AB)
POL	8423	10-5	Tue	0900	0554 00000	FSK 100/625	(AB)
POL	8423	10-5	Tue	0905	0554 00000	FSK 100/625	(AB)
POL	10210	10-5	Tue	1150	0325 00000	FSK 100/625	(AB)
POL	10210	10-5	Tue	1155	0325 00000	FSK 100/625	(AB)
POL	13537	11-5	Wed	0530	0453 88888 88888 37817 82413 32598 ... 97777 08666 03022 88888 88888 00037 00037	FSK 100/625	(AB)
POL	13537	11-5	Wed	0535	0453 88888 88888 37817 82413 32598 ... 97777 08666 03022 88888 88888 00037 00037	FSK 100/625	(AB)
POL	13424	11-5	Wed	0845	0353 00000	FSK 100/625	(AB)
POL	13424	11-5	Wed	0850	0353 00000	FSK 100/625	(AB)
POL	10210	11-5	Wed	1150	0325 00000	FSK 100/625	(AB)
POL	10210	11-5	Wed	1155	0325 00000	FSK 100/625	(AB)
POL	13470	12-5	Thu	0630	0574 88888 88888 72250 88494 03736 ... 88531 42189 00328 88888 88888 (no group count)	FSK 100/625	(AB)
POL	13470	12-5	Thu	0635	0574 88888 88888 72250 88494 03736 ... 88531 42189 00328 88888 88888 (no group count)	FSK 100/625	(AB)
POL	14940	12-5	Thu	0730	0433 00000	FSK 100/625	(AB)
POL	14940	12-5	Thu	0735	0433 00000	FSK 100/625	(AB)
POL	13537	13-5	Fri	0530	0453 88888 88888 37817 82413 32598 ... 97777 08666 03022 88888 88888 00037 00037	FSK 100/625	(AB)
POL	13537	13-5	Fri	0535	0453 88888 88888 37817 82413 32598 ... 97777 08666 03022 88888 88888 00037 00037	FSK 100/625	(AB)
POL	14575	13-5	Fri	0655	0684 00000	FSK 100/625	(AB)
POL	14575	13-5	Fri	0700	0684 00000	FSK 100/625	(AB)
POL	8423	13-5	Fri	0900	0554 00000	FSK 100/625	(AB)
POL	8423	13-5	Fri	0905	0554 00000	FSK 100/625	(AB)
POL	12385	14-5	Sat	1245	0547 00000	FSK 100/625	(AB)

POL	12385	14-5	Sat	1250	0547 00000	FSK 100/625	(AB)
POL	13424	16-5	Mon	0845	0353 88888 88888 66940 75182 42382 ... 06529 16904 34755 88888 88888 00036 00036	FSK 100/625	(AB)
POL	13424	16-5	Mon	0850	0353 88888 88888 66940 75182 42382 ... 06529 16904 34755 88888 88888 00036 00036	FSK 100/625	(AB)
POL	13470	17-5	Tue	0630	0574 00000	FSK 100/625	(AB)
POL	13470	17-5	Tue	0635	0574 00000	FSK 100/625	(AB)
POL	14575	17-5	Tue	0655	0684 88888 88888 69241 26330 25427 ... 55317 80614 71588 88888 88888 00042 00042	FSK 100/625	(AB)
POL	14575	17-5	Tue	0700	0684 88888 88888 69241 26330 25427 ... 55317 80614 71588 88888 88888 00042 00042	FSK 100/625	(AB)
POL	14940	17-5	Tue	0730	0433 00000	FSK 100/625	(AB)
POL	14940	17-5	Tue	0735	0433 00000	FSK 100/625	(AB)
POL	8423	17-5	Tue	0900	0554 00000	FSK 100/625	(AB)
POL	8423	17-5	Tue	0905	0554 00000	FSK 100/625	(AB)
POL	10210	17-5	Tue	1150	0325 00000	FSK 100/625	(AB)
POL	10210	17-5	Tue	1155	0325 00000	FSK 100/625	(AB)
POL	15690	17-5	Tue	1245	0132 00000	FSK 100/625	(AB)
POL	15690	17-5	Tue	1250	0132 00000	FSK 100/625	(AB)
POL	13424	18-5	Wed	0845	0353 88888 88888 66940 75182 42382 ... 06529 16904 34755 88888 88888 00036 00036	FSK 100/625	(AB)
POL	13424	18-5	Wed	0850	0353 88888 88888 66940 75182 42382 ... 06529 16904 34755 88888 88888 00036 00036	FSK 100/625	(AB)
POL	10210	18-5	Wed	1150	0325 00000	FSK 100/625	(AB)
POL	10210	18-5	Wed	1155	0325 00000	FSK 100/625	(AB)
POL	13470	19-5	Thu	0630	0574 00000	FSK 100/625	(AB)
POL	13470	19-5	Thu	0635	0574 00000	FSK 100/625	(AB)
POL	14940	19-5	Thu	0730	0433 00000	FSK 100/625	(AB)
POL	14940	19-5	Thu	0735	0433 00000	FSK 100/625	(AB)
POL	13537	20-5	Fri	0530	0453 00000	FSK 100/625	(AB)
POL	13537	20-5	Fri	0535	0453 00000	FSK 100/625	(AB)
POL	14575	20-5	Fri	0655	0684 88888 88888 69241 26330 25427 ... 55317 80614 71588 88888 88888 00042 00042	FSK 100/625	(AB)
POL	14575	20-5	Fri	0700	0684 88888 88888 69241 26330 25427 ... 55317 80614 71588 88888 88888 00042 00042	FSK 100/625	(AB)
POL	8423	20-5	Fri	0900	0554 00000	FSK 100/625	(AB)
POL	8423	20-5	Fri	0905	0554 00000	FSK 100/625	(AB)
Q26	8073	2-5	Mon	1131	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	2-5	Mon	1140	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	2-5	Mon	1140	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	2-5	Mon	2340	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	7553	3-5	Tue	1301	Messages //4283 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4283	3-5	Tue	1301	Messages //7553 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	5-5	Thu	1144	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-Sib)
Q26	4243	5-5	Thu	1144	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-Sib)
Q26	9054	5-5	Thu	2340	Messages	4+4 QPSK 75/3000 LSB	(JPL-Sib)
Q26	8073	6-5	Fri	1129	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	6-5	Fri	1140	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	6-5	Fri	1140	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	8-5	Sun	1129	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	8-5	Sun	1140	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)

Q26	9054	8-5	Sun	1140	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	9-5	Mon	1131	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	9-5	Mon	1142	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	9-5	Mon	1142	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	9-5	Mon	2341	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	10-5	Tue	1130	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	10-5	Tue	1140	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	10-5	Tue	1140	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	12-5	Thu	1130	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	12-5	Thu	1140	Message //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	12-5	Thu	1140	Message //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	14-5	Sat	1134	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	17-5	Tue	1130	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	7554	18-5	Wed	0904	Messages //9152 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9152	18-5	Wed	0904	Messages //7554 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	18-5	Wed	2340	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	19-5	Thu	1129	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	19-5	Thu	1140	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	19-5	Thu	1140	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	22-5	Sun	1131	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	22-5	Sun	2342	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	24-5	Tue	0001	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	24-5	Tue	1134	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	24-5	Tue	1146	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	24-5	Tue	1146	Messages //4143 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	26-5	Thu	1131	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	27-5	Fri	1147	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	30-5	Mon	2341	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	31-5	Tue	0001	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	31-5	Tue	1129	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	31-5	Tue	1141	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	31-5	Tue	1141	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
RADv	2603	28-5	Sat	0450	Russian Air Defense tracking net (Russian Voice)	LSB	(F5JBR)
RMv	5279	18-5	Wed	0514	TOMAL-33 clg outstations	USB	(F5JBR)

RMv	4082	18-5	Wed	0528	GREZON-52 clg outstations	USB	(F5JBR)
RMv	5260	18-5	Wed	0530	RASKAT-77 clg outstations	USB	(F5JBR)
RMv	4525	19-5	Thu	0447	JAKOB-82 clg outstations	USB	(F5JBR)
RMv	5263	20-5	Fri	0448	AVOLD-38 clg outstations	USB	(F5JBR)
RMv	4370	20-5	Fri	0531	BRISMA-92 clg outstations	USB	(F5JBR)
RMv	8190	20-5	Fri	1355	TRIVANOK-19 clg BABYLON-83	USB	(F5JBR)
RMv	14953	26-5	Thu	0822	KLEM-10 clg VOLKNAT-9	USB	(F5JBR)
RMv	15803	26-5	Thu	0925	KLEM-10 clg VOLKNAT-9	USB	(F5JBR)
RMv	4846	28-5	Sat	0322	RODAKOP clg PALOVA	USB	(F6JBR)
RMv	6230	31-5	Tue	0503	KROMAT-91 clg outstations	USB	(F5JBR)
RMv	4860	31-5	Tue	0800	KRATOV-09 clg BOLON-04	USB	(F5JBR)
RNv	3805	2-5	Mon	1452	VESTNIK (RMP) clg BURYEVESTNIK (RGR79)	USB	(F5JBR)
RNv	5745	4-5	Wed	1715	DEDUKTSIYA (RLD64) clg VESTNIK (RMP)	USB	(F5JBR)
RNv	5345	5-5	Thu	0932	VESTNIK (RMP) clg AVRAU (RAY95)	USB	(F5JBR)
RNv	8267	27-5	Fri	1638	BUKSOL clg Outstations	USB	(F5JBR)
S06	11565	4-5	Wed	0530	464 293 5 46186	USB	(HFD)
S06	12560	4-5	Wed	0540	464	USB	(HFD)
S06	9073	4-5	Wed	1620	975 GRU test	USB	(PW2)
S06	9073	4-5	Wed	1625	GRU test. 975 123 12 39355 73841 99887 ... 17962 90792 35751 123 12 975 (R) 97 (off)	USB	(PW2)
S06	8140	5-5	Thu	0830	i.p.	USB	(HFD)
S06	17475	5-5	Thu	0830	842 960 33 97331	USB	(HFD)
S06	14736	5-5	Thu	0930	842	USB	(HFD)
S06	6875	7-5	Sat	1900	614 0	USB	(HFD)
S06	5935	7-5	Sat	2000	614 0	USB	(HFD)
S06	13530	11-5	Wed	1110	975 999 300 96297 24514 14360 ... 99993 18958 98579 999 300 00000	USB	(Danix/PW2/qsr71 1)
S06	9300	11-5	Wed	1210	975 999 300 96297 24514 14360 ... 99993 18958 98579 999 300 00000	USB	(Danix/PW2)
S06	8140	11-5	Wed	1310	975 999 300 96297 24514 14360 ... 99993 18958 98579 999 300 00000	USB	(Danix/PW2)
S06	8140	11-5	Wed	1320	possible test, found in progress, weak signal	USB	(PW2)
S06	13530	11-5	Wed	1509	975 11111 999 transmission was cut off continued as S06 below	USB	(PW2)
S06	17475	12-5	Thu	0830	842 715 34 70588 51416 60340 ... 33859 16960 48580 715 34 00000	USB	(AB)
S06	14736	12-5	Thu	0930	842 715 34 70588 51416 60340 ... 33859 16960 48580 715 34 00000	USB	(AB)
S06	14736	13-5	Fri	0930	842 715 34 70588 51416 60340 ... 33859 16960 48580 715 34 00000	USB	(AB)
S06	13530	13-5	Fri	0942	30663 69407 26655 49406... found in progress mes- sage was cut off.	USB	(PW2)
S06	13530	13-5	Fri	1055	i.p. 67713 87240 40106 30663... found in progress message was cut off.	USB	(PW2)
S06	8140	14-5	Sat	0855	GRU test. Double message: 975 999 160 56984 70478 52966 ... 111 23 11111 22222 33333 ... 111 23 00000	USB	(qsr711)
S06	15721	16-5	Mon	0405	ip weak via GT Hongkong	USB	(HFD)
S06	10755	16-5	Mon	1230	GRU test. 975 00000	USB	(Priyom Team)
S06	9470	16-5	Mon	1528	GRU test. 801 (R) 59779 35850 56627 97124 80159 10476 24936 937 52 00000	USB	(Priyom Team)
S06	19460	19-5	Thu	0858	GRU test i.p. 33333 33333 00001 00001 00000 00000 00000 00001 00003 10129 00002 11111 00052 00002 00002 10129 33333	USB	(F5JBR/F1PYW)
S06	19460	19-5	Thu	0905	GRU test. 222 33 222 33	USB	(F5JBR/F1PYW)
S06	17475	20-5	Fri	0830	842 679 35 59533 72296 39654 ... 80112 48733 70005 679 35 00000	USB	(AB)
S06	14736	20-5	Fri	0930	842 679 35 59533 72296 39654 ... 80112 48733 70005 679 35 00000	USB	(AB)
S06	10204	20-5	Fri	1902	761 761 761 00000	USB	(PPA/HFD)
S06	8058	20-5	Fri	2000	761 0	USB	(HFD)
S06	14736	26-5	Thu	0930	842 105 36 96400 95433 56498 17016 00000	USB	(Edd-HK)
S06	14736	27-5	Fri	0930	842 105 36 96400 95433 56498 17016 00000	USB	(Edd-HK)
S06b	11423	26-5	Thu	1252	GRU test i.p. 104 81705 (R) 11111 55555 89360 89360 88165 88165 98188 ... 00000 00000	USB	(Edd-Rus)
S06b	11423	26-5	Thu	1319	GRU test. 11111 11111 104	USB	(Edd-Rus)

S06c	13370	12-5	Thu	1100	11201 No repeat transmissions found	USB	(PW2)
S06c	13370	12-5	Thu	1100	11201 (R4)	USB	(qsr711)
S06c	14914	20-5	Fri	1010	11029	USB	(Danix)
S06c	14914	20-5	Fri	1020	11029	USB	(Danix)
S06c	11497	20-5	Fri	1030	11029	USB	(Danix)
S06c	15612	21-5	Sat	1040	11115 (R4)	USB	(qsr711)
S06c	15612	21-5	Sat	1050	11115 (R4)	USB	(qsr711)
S06s	16320	1-5	Sun	0630	524 968 7 40328	USB	(HFD)
S06s	14875	1-5	Sun	0640	524	USB	(HFD)
S06s	8221	2-5	Mon	0830	371 954 6 88620	USB	(HFD)
S06s	9353	2-5	Mon	0840	371	USB	(HFD)
S06s	14835	2-5	Mon	0910	872 905 6 33796 13577 74526 46647 79302 53516 905 6 00000	USB	(AB)
S06s	10230	2-5	Mon	1200	831 975 6 46062 33796 13577 74526 46647 10597 975 6 00000	USB	(AB)
S06s	12165	2-5	Mon	1210	831 975 6 46062 33796 13577 74526 46647 10597 975 6 00000	USB	(AB)
S06s	15945	3-5	Tue	0600	438 951 6 17099 94961 35826 65906 77233 06123 951 6 00000	USB	(AB/HFD)
S06s	16945	3-5	Tue	0610	438 951 6 17099 94961 35826 65906 77233 06123 951 6 00000	USB	(AB/HFD)
S06s	5430	3-5	Tue	0700	374	USB	(HFD)
S06s	6780	3-5	Tue	0715	374 812 5 88569	USB	(HFD)
S06s	7365	3-5	Tue	0730	427 510 6 88146	USB	(HFD)
S06s	11655	3-5	Tue	0740	427	USB	(HFD)
S06s	14373	3-5	Tue	0800	352 469 7 60583 54545 50128 99477 83574 48874 94031 469 7 00000	USB	(AB)
S06s	12935	3-5	Tue	0810	352 469 7 60583 54545 50128 99477 83574 48874 94031 469 7 00000	USB	(AB)
S06s	6666	3-5	Tue	1500	537	USB	(HFD)
S06s	7744	3-5	Tue	1510	537 208 6 95225	USB	(HFD)
S06s	12560	4-5	Wed	0540	464 293 5 46186 16945 82045 97067 26634 293 5 00000	USB	(AB)
S06s	12110	4-5	Wed	0730	745 239 6 52401 63919 92699 14600 74248 48754 239 6 00000	USB	(AB/HFD)
S06s	14977	4-5	Wed	0740	745 239 6 52401 63919 92699 14600 74248 48754 239 6 00000	USB	(AB/HFD)
S06s	9485	4-5	Wed	0820	471 290 5 46062 68672 97478 39685 30485 290 5 00000	USB	(AB/HFD)
S06s	11085	4-5	Wed	0830	471 290 5 46062 68672 97478 39685 30485 290 5 00000	USB	(AB/HFD)
S06s	14580	4-5	Wed	1000	729 840 5 88620 58069 61732 74537 57440 840 5 00000	AM	(AB/HFD)
S06s	16020	4-5	Wed	1010	729 840 5 88620 58069 61732 74537 57440 840 5 00000	AM	(AB/HFD)
S06s	12952	5-5	Thu	0900	167 254 8 83270 96798 34469 37144 48980 44405 46159 33729 254 8 00000	AM	(AB/HFD)
S06s	6844	5-5	Thu	0900	624 815 7 48318	USB	(HFD)
S06s	13565	5-5	Thu	0910	167 254 8 83270 96798 34469 37144 48980 44405 46159 33729 254 8 00000	AM	(AB/HFD)
S06s	7161	5-5	Thu	0910	624	USB	(HFD)
S06s	9255	5-5	Thu	0930	314 560 7 33699 39998 30667 35947 83964 40774 45983 560 7 00000	USB	(AB)
S06s	10325	5-5	Thu	0940	314 560 7 33699 39998 30667 35947 83964 40774 45983 560 7 00000	USB	(AB)
S06s	13145	5-5	Thu	1200	425 860 7 43334	USB	(HFD)
S06s	14535	5-5	Thu	1210	425	USB	(HFD)
S06s	10290	6-5	Fri	0930	516 284 7 37391 37446 86525 89303 33244 39054 43391 284 7 00000	USB	(AB/HFD)
S06s	9655	6-5	Fri	0940	516 284 7 37391 37446 86525 89303 33244 39054 43391 284 7 00000	USB	(AB/HFD)
S06s	9353	9-5	Mon	0830	371 954 6 88620 68069 61732 74537 57440 10597 954 6 00000	USB	(AB)
S06s	8221	9-5	Mon	0830	371 954 6 88620 68069 61732 74537 57440 10597 954 6 00000	USB	(AB)

S06s	16380	9-5	Mon	0900	872 905 6 33796 13577 74526 46647 79302 53516 905 6 00000	USB	(AB)
S06s	14835	9-5	Mon	0910	872 905 6 33796 13577 74526 46647 79302 53516 905 6 00000	USB	(AB)
S06s	10230	9-5	Mon	1200	831 975 6 46062 33796 13577 74526 46647 10597 975 6 00000	USB	(AB/HFD)
S06s	12165	9-5	Mon	1210	831 975 6 46062 33796 13577 74526 46647 10597 975 6 00000	USB	(AB/HFD)
S06s	15945	10-5	Tue	0600	438 951 6 17099 94961 35826 65906 77233 06123 951 6 00000	USB	(AB)
S06s	16945	10-5	Tue	0610	438 951 6 17099 94961 35826 65906 77233 06123 951 6 00000	USB	(AB)
S06s	6780	10-5	Tue	0715	374 812 5 88569 89617 25757 77159 95225 812 5 00000	USB	(AB)
S06s	7365	10-5	Tue	0730	427 510 6 88146 57856 98835 46186 16945 80744 510 6 00000	USB	(AB)
S06s	11655	10-5	Tue	0740	427 510 6 88146 57856 98835 46186 16945 80744 510 6 00000	USB	(AB)
S06s	14373	10-5	Tue	0800	352 469 7 60583 54545 50128 99477 83574 48874 94031 469 7 00000	USB	(AB/HFD)
S06s	12935	10-5	Tue	0810	352 469 7 60583 54545 50128 99477 83574 48874 94031 469 7 00000	USB	(AB/HFD)
S06s	6766	10-5	Tue	1500	537 208 6 95225 84090 09531 88430 33240 61135 208 6 00000	USB	(AB)
S06s	7744	10-5	Tue	1510	537 208 6 95225 84090 09531 88430 33240 61135 208 6 00000	USB	(AB)
S06s	11565	11-5	Wed	0530	464 293 5 46186 16945 82045 97067 26634 293 5 00000	USB	(AB)
S06s	12560	11-5	Wed	0540	464 293 5 46186 16945 82045 97067 26634 293 5 00000	USB	(AB)
S06s	12110	11-5	Wed	0730	745 239 6 52401 63919 92699 14600 74248 48754 239 6 00000	USB	(AB)
S06s	14977	11-5	Wed	0740	745 239 6 52401 63919 92699 14600 74248 48754 239 6 00000	USB	(AB)
S06s	14580	11-5	Wed	1000	729 840 5 88620 58069 61732 74537 57440 840 5 00000	AM	(AB)
S06s	16020	11-5	Wed	1010	729 840 5 88620 58069 61732 74537 57440 840 5 00000	AM	(AB)
S06s	12952	12-5	Thu	0900	167 254 8 83270 96798 34469 37144 48980 44405 46159 33729 254 8 00000	AM	(AB)
S06s	13565	12-5	Thu	0910	167 254 8 83270 96798 34469 37144 48980 44405 46159 33729 254 8 00000	AM	(AB)
S06s	9255	12-5	Thu	0930	314 560 7 33699 39998 30667 35947 83964 40774 45983 560 7 00000	USB	(AB/PW2)
S06s	10325	12-5	Thu	0940	314 560 7 33699 39998 30667 35947 83964 40774 45983 560 7 00000	USB	(AB)
S06s	13145	12-5	Thu	1200	425 860 7 43334 30147 30494 43014 81051 46544 34612 860 7 00000	AM	(AB/PW2)
S06s	14535	12-5	Thu	1210	425 860 7 43334 30147 30494 43014 81051 46544 34612 860 7 00000	AM	(AB)
S06s	10290	13-5	Fri	0930	516 284 7 37391 37446 86525 89303 33244 39054 43391 284 7 00000	USB	(AB/PW2)
S06s	9655	13-5	Fri	0940	516 284 7 37391 37446 86525 89303 33244 39054 43391 284 7 00000	USB	(AB)
S06s	10230	16-5	Mon	0900	872 913 5 90406 36113 31107 37806 37137 913 5 00000	USB	(AB)
S06s	14835	16-5	Mon	0910	872 913 5 90406 36113 31107 37806 37137 913 5 00000	USB	(AB)
S06s	10230	16-5	Mon	1200	831 469 5 46062 68672 97478 39685 30485 469 5 00000	USB	(AB/PW2)
S06s	12165	16-5	Mon	1210	831 469 5 46062 68672 97478 39685 30485 469 5 00000	USB	(AB)
S06s	15945	17-5	Tue	0600	438 291 5 21767 53672 11834 81022 36903 291 5 00000	USB	(AB)
S06s	16945	17-5	Tue	0610	438 291 5 21767 53672 11834 81022 36903 291 5 00000	USB	(AB)

S06s	7365	17-5	Tue	0730	427 518 6 09394 76911 75155 92918 97067 58604 518 6 00000	USB	(AB)
S06s	11655	17-5	Tue	0740	427 518 6 09394 76911 75155 92918 97067 58604 518 6 00000	USB	(AB)
S06s	14373	17-5	Tue	0800	352 461 7 20534 11160 43494 37638 16070 48834 53735 461 7 00000	USB	(AB)
S06s	14373	17-5	Tue	0800	352 461 7 20534 11160 43494 37638 16070 48834 53735 461 7 00000	USB	(PW2)
S06s	12935	17-5	Tue	0810	352 461 7 20534 11160 43494 37638 16070 48834 53735 461 7 00000	USB	(AB)
S06s	5660	17-5	Tue	1010	893 462 5 46064	USB	(HFD)
S06s	7560	17-5	Tue	1110	754 238 6 37363 31429 33642 36677 32803 34075 238 6 00000	USB	(AB/HFD)
S06s	11565	18-5	Wed	0530	464 283 5 47461 36461 46977 36553 32453 283 5 00000	USB	(AB)
S06s	12560	18-5	Wed	0540	464 283 5 47461 36461 46977 36553 32453 283 5 00000	USB	(AB)
S06s	12110	18-5	Wed	0730	745 980 6 33796 13577 74526 46647 79302 53516 980 6 00000	AM	(AB)
S06s	14977	18-5	Wed	0740	745 980 6 33796 13577 74526 46647 79302 53516 980 6 00000	AM	(AB)
S06s	9485	18-5	Wed	0820	471 953 6 88620 58069 61732 74537 57440 10597 953 6 00000	USB	(AB)
S06s	11085	18-5	Wed	0830	471 953 6 88620 58069 61732 74537 57440 10597 953 6 00000	USB	(AB)
S06s	14580	18-5	Wed	1000	729 480 5 21767 53672 11834 81022 36903 480 5 00000	AM	(AB)
S06s	16020	18-5	Wed	1010	729 480 5 21767 53672 11834 81022 36903 480 5 00000	AM	(AB)
S06s	12952	19-5	Thu	0900	167 804 5 96320 36793 53038 76342 15009 804 5 00000	AM	(AB)
S06s	6844	19-5	Thu	0900	624 930 5 10577 23521 47660 92884 69901 930 5 00000	USB	(AB)
S06s	13565	19-5	Thu	0910	167 804 5 96320 36793 53038 76342 15009 804 5 00000	AM	(AB)
S06s	7161	19-5	Thu	0910	624 930 5 10577 23521 47660 92884 69901 930 5 00000	USB	(AB)
S06s	9255	19-5	Thu	0930	314 920 5 53038 76342 15009 34140 78386 920 5 00000	USB	(AB/HFD)
S06s	10325	19-5	Thu	0940	314 920 5 53038 76342 15009 34140 78386 920 5 00000	USB	(AB/HFD)
S06s	13145	19-5	Thu	1200	425 803 6 16945 80744 86200 84706 42227 61736 803 6 00000	USB	(PW2)
S06s	14535	19-5	Thu	1310	425 803 6 16945 80744 86200 84706 42227 61736 803 6 00000	USB	(AB)
S06s	10290	20-5	Fri	0930	516 908 7 46062 68672 97478 29685 30485 96632 52537 908 7 00000	USB	(AB)
S06s	9655	20-5	Fri	0940	516 908 7 46062 68672 97478 29685 30485 96632 52537 908 7 00000	USB	(AB)
S06s	16945	31-5	Tue	0602	438 438 438 00000	USB	(F5JBR)
S11a	5149	3-5	Tue	0455	321/00	USB	(AB)
S11a	8530	3-5	Tue	0915	486/33 Vnimanaye 25761 85195 22692 ... 11560 64029 04630 Vnimanaye, rpt msg, konets	USB	(AB/HFD)
S11a	11581	3-5	Tue	1020	426/00	USB	(HFD)
S11a	4870	4-5	Wed	1955	377/30 Vnimanaye 85841 54702 76749 ... 62462 52046 33117 Vnimanaye, rpt msg, konets	USB	(AB/PW2/HFD)
S11a	16530	5-5	Thu	1015	475/00	USB	(HFD)
S11a	5149	6-5	Fri	0455	321/00	USB	(AB)
S11a	8530	6-5	Fri	0915	486/33 Vnimanaye 25761 85195 22692 ... 11560 64029 04630 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	11581	6-5	Fri	1020	426/00	USB	(AB)
S11a	11092	7-5	Sat	1540	563/00	USB	(PW2)
S11a	5149	10-5	Tue	0655	321/00	USB	(AB)
S11a	8530	10-5	Tue	0915	484/00	USB	(AB)

S11a	11581	10-5	Tue	1020	427/36 Vnimanaye 12137 71546 91984 ... 94358 40853 11236 Vnimanaye, rpt msg, konets	USB	(PW2)
S11a	4870	11-5	Wed	1955	371/00	USB	(MPJ/PW2)
S11a	16530	12-5	Thu	1015	475/00	USB	(PW2)
S11a	5149	13-5	Fri	0455	321/00	USB	(AB)
S11a	8530	13-5	Fri	0915	484/00	USB	(AB/PW2)
S11a	11581	13-5	Fri	1020	427/36 Vnimanaye 12137 71546 91984 ... 94358 40853 11236 Vnimanaye, rpt msg, konets	USB	(PW2/AB)
S11a	4870	13-5	Fri	1955	371/00	USB	(AB/MPJ)
S11a	16530	16-5	Mon	1015	479/32 too weak to copy	USB	(PW2)
S11a	5149	17-5	Tue	0455	325/30 Vnimanaye 71159 60199 71983 ... 54954 83798 66333 Vnimanaye, rpt msg, konets	USB	(AB/HFD)
S11a	8530	17-5	Tue	0915	484/00	USB	(AB)
S11a	11581	17-5	Tue	1020	426/00	USB	(AB)
S11a	11092	18-5	Wed	1540	563/00	USB	(PW2)
S11a	4870	18-5	Wed	1955	371/00	USB	(AB/PW2)
S11a	16513	19-5	Thu	1015	479/32 Vnimanaye 43069 83466 42055 ... 85754 36729 79288 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	16530	19-5	Thu	1015	479/32 Vnimanaye 43069 83466 42065 ... 85754 36729 79288 vinmanaye, rpt msg, konets	USB	(PW2)
S11a	5149	20-5	Fri	0455	325/30 Vnimanaye 71159 60199 71983 ... 54954 83798 66333 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	8530	20-5	Fri	0915	484/00	USB	(AB)
S11a	4870	20-5	Fri	1955	371/00	USB	(MPJ)
S11a	11092	25-5	Wed	1540	563/00	USB	(MPJ)
S11a	4870	25-5	Wed	1955	371/00	USB	(MPJ)
S11a	4870	27-5	Fri	1955	371/00	USB	(Edd)
S25	6780	21-5	Sat	1720	908 12345. Transmission resets several times and finally shuts down sending only the first section.	USB	(qsr711)
S25	6780	21-5	Sat	1738	908 12345 12345 transmission was cut off mid section 1, GRU test	USB	(PW2)
S25	8140	22-5	Sun	0930	805 23456. Long breaks in the transmission	USB	(qsr711)
S28	4625	2-5	Mon	0810	ZhUOZ 96661 BLYuSTITyEl' 62414820 BLUDOTIBR 24042178	USB	(Priyom)
S28	4625	2-5	Mon	1227	ZhUOZ 33988 INCIDYeNTNYJ 11677293	USB	(Priyom)
S28	4625	3-5	Tue	1616	ZhUOZ 43268 KRYaZhOLYeSS 88751228	USB	(Priyom)
S28	4625	3-5	Tue	1714	ZhUOZ 48949 ZALIVChIK 14232212	USB	(Priyom)
S28	4625	5-5	Thu	1631	ZhUOZ 85796 GORNICA 74912203	USB	(Priyom)
S28	4625	9-5	Mon	1040	ZhUOZ 43877 VAZYeLINOvYJ 52119366	USB	(Priyom)
S28	4625	9-5	Mon	1049	ZhUOZ 85169 ZASTRYeVANIYe 38163966	USB	(Priyom)
S28	4625	9-5	Mon	1247	ZhUOZ 19523 KOKSOHIMIYa 52215209	USB	(Priyom)
S28	4625	9-5	Mon	1414	ZhUOZ 01589 AZhUROKORZh 43229218	USB	(Priyom)
S28	4625	12-5	Thu	1049	ZhUOZ 75690 BAULOGGRIM 40162394	USB	(Priyom)
S28	4625	19-5	Thu	1026	ZhUOZ 38072 AMIDOShAG 55780604	USB	(Priyom)
S28	4625	19-5	Thu	1551	ZhUOZ 19939 KLYeJKOVINA 79181919	USB	(Priyom)
S28	4625	19-5	Thu	1555	ZhUOZ 19 939 KLEYKOVINA 79 18 19 19	USB	(IK00ZK)
S28	4625	25-5	Wed	0822	ZhUOZ 73721 SBYeZhYeNIYe 07674299	USB	(Priyom)
S28	4625	25-5	Wed	0900	ZhUOZ 89552 VYerHOvNYJ 13250765	USB	(Priyom)
S28	4625	25-5	Wed	0903	ZhUOZ 33201 INSPYeKTORShA 68134935	USB	(Priyom)
S28	4625	25-5	Wed	1035	ZhUOZ 48677 KUYeROvARD 91998252	USB	(Priyom)
S28	4625	25-5	Wed	1051	ZhUOZ 54727 GYeMOLUG 80972660	USB	(Priyom)
S30	3756	3-5	Tue	1740	ShchGJP TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3	USB	(Priyom)
S30	3756	18-5	Wed	1821	DIya N1DU, 43OB, 78MV, DUASY, YKHY, 12 TSI, 79AY, SHCHT, TSIKHS, Z7PM. Kak slyshno?	USB	(IK00ZK)
S30	3756	21-5	Sat	1819	ShchGJP TZLM FY5E F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3	USB	(Priyom)
S30	5448	25-5	Wed	0454	L7O5 V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ	USB	(Priyom)
S30	3756	30-5	Mon	1827	37CN MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C	USB	(Priyom)
S32	3828	2-5	Mon	1802	SLIVA-94 OTPOR-89 ShULER-60 STAZHER-29 ZASLONKA-27 STOROZh-62 BIZON-64 PYeSOChNYJ-21 LANDYSh-74 DUBLYoR-68 PYeNZ-07 KURGAN-40	USB	(Priyom)

S32	3828	3-5	Tue	1827	OTPOR-89 NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZhIGIT-46 (S30 in the background)	USB	(Priyom)
S32	3828	4-5	Wed	1808	SLIVA-94 OTPOR-89 ShULER-60 STAZHER-29 ZASLONKA-27 STOROZh-62	USB	(Priyom)
S32	3828	10-5	Tue	1830	NYeVKA-26 YaHTA-94 UTYoS-94 ALEUT-09 ROSA-64 DZhIGIT-46 (S30 in the background)	USB	(Priyom)
S32	3828	21-5	Sat	1931	SLIVA-94 OTPOR-89 ShULER-60 STAZHER-29 ZASLONKA-27 STOROZh-62 (S30 in the background)	USB	(Priyom)
S32	3828	28-5	Sat	1837	BIZON-64 KURGAN-40 DUBLYoR-68 PYeNZ-07 LANDYSh-74 PYeSOChNYJ-21	USB	(Priyom)
S32	3828	29-5	Sun	1830	SLIVA-94 OTPOR-89 ShULER-60 STAZHER-29 ZASLONKA-27 STOROZh-62	USB	(Priyom)
S32	3828	30-5	Mon	1837	BIZON-64 PYeSOChNYJ-21 KARTA-11 DUBLYoR-68 PYeNZ-07 KURGAN-40	USB	(Priyom)
S4525	4525	22-5	Sun	1433	network checks	USB	(PW2)
S4525	4525	22-5	Sun	1435	network checks	USB	(PW2)
S5292	5292	4-5	Wed	1118	Test count: 1 2 3 4 5 6 7 8 9 0	USB	(Priyom)
S5292	5292	30-5	Mon	0738	FAZAN-37 39867 LYeGYeNDA 43628546 (test count before the message)	USB	(Priyom)
S5292	5292	30-5	Mon	0750	SYeKRYeT-39 01784 GORNICA 21857436 (test count before the message)	USB	(Priyom)
S5292	5292	30-5	Mon	0800	RYeGATA-75 80945 BITVA 46348579	USB	(Priyom)
S5292	5292	30-5	Mon	0812	VOSHOD-30 48485 POJMA 32649743	USB	(Priyom)
UM02	10470	6-5	Fri	0133	CQ DE YRM VVV QSV K. DE DE QSV K. CQ DE YRM VVV QSV K	CW	(JPL-Sib)
UM02	11470	13-5	Fri	0130	VVV CQ (x3) DE YRM (x2) QSV K. KLF ZNN VA I. VVV ROZ ROZ QSV K. ZAN ZAN VA I	CW	(JPL-Sib)
UM02	10470	22-5	Sun	0131	CQ (x6) DE YRM (x2) VVV QSV K. R KLF ZNN VA. QSV K	CW	(JPL-Sib)
UM10	3720	3-5	Tue	1427	10-mins net: NJ6A (previously on 3707 and 3709 kHz)	CW	(JPL-Sib)
UM10	3720	4-5	Wed	2051	10-mins net: NJ6A	CW	(JPL-Sib)
UM10	3720	6-5	Fri	1556	10-mins net: NJ6A	CW	(JPL-Sib)
UM10	3350	9-5	Mon	1452	10-mins net: HHN5 (new callsign and freq)	CW	(JPL-Sib)
UM10	3720	9-5	Mon	1459	10-mins net: NJ6A (new freq)	CW	(JPL-Sib)
UM10	3351	10-5	Tue	1449	10-mins net: HHN5	CW	(JPL-Sib)
UM10	3720	10-5	Tue	1453	10-mins net: NJ6A	CW	(JPL-Sib)
UM10	3720	10-5	Tue	1954	10-mins net: NJ6A	CW	(JPL-Sib)
UM10	3720	11-5	Wed	1430	10-mins net: NJ6A	CW	(JPL-Sib)
UM10	3720	13-5	Fri	1951	10-mins net: NJ6A	CW	(JPL-Sib)
UM10	3720	31-5	Tue	1527	10-mins net: NJ6A	CW	(JPL-Sib)
V06	9073	4-5	Wed	1545	GRU test. 975 975 975 00000	USB	(PW2)
V06	10755	15-5	Sun	1252	GRU test. 975 00000	USB	(Priyom Team)
V06	10755	16-5	Mon	1310	GRU test. 975 (R) 863 15 46180 28209 80210 ... 62594 84313 50517 863 15 00000	USB	(Priyom Team)
V07	13582	8-5	Sun	0500	511 549 51 2831? ...77211 57858 000 000	USB	(Dan)
V07	12182	8-5	Sun	0520	511 549 51 2831? ...77211 57858 000 000	USB	(Dan)
V07	11182	8-5	Sun	0540	511 549 51 2831? ...77211 57858 000 000	USB	(Dan)
V13	9725	4-5	Wed	1208	New Star Broadcasting #4	AM	(RonC)
V13	15388	8-5	Sun	0700	New Star #3	USB	(AB-HK)
V13	15388	8-5	Sun	0800	New Star #3	USB	(AB-HK)
V13	15388	9-5	Mon	0700	New Star #3	USB	(AB)
V13	15388	9-5	Mon	0800	New Star #3	USB	(AB)
V13	9725	9-5	Mon	1300	no transcript	AM	(PW2)
V13	15388	10-5	Tue	0800	New Star #3	USB	(AB)
V13	9725	20-5		1205	New Star Broadcasting #4	AM	(MDK2)
V23	9073	4-5	Wed	1610	GRU test. French 06 variant. 975 123 12 39355 73841 99887 ... 17962 90792 35751 123 12 00000	USB	(Danix/qsr711/PW 2)
V23	10755	16-5	Mon	1326	GRU test. 975 23456 (R) 863 15 46180 28209 80210 ... 70487 49644 39694 621 11 00000	USB	(Priyom Team)
V24	6215	7-5	Sat	1500	Music + numbers in korean Recieved from the Korean remote on globaltuners	AM	(PW2)
V24	6310	13-5	Fri	1530	no transcript North Korean	AM	(PW2)
V24	5290	15-5	Sun	1430	no transcript North Korean Jammer in the background	AM	(PW2)
V26	8073	2-5	Mon	1130	Voice callup. Male operator	USB	(JPL-HK)
V26	4243	2-5	Mon	1138	Voice callup. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	2-5	Mon	1138	Voice callup. Female operator //4243 kHz	USB	(JPL-HK)

V26	9054	2-5	Mon	2338	Voice callup. Female operator	USB	(JPL-HK)
V26	9054	5-5	Thu	1209	Message in Chinese. Female operator //4243 kHz	USB	(JPL-Sib)
V26	4243	5-5	Thu	1209	Message in Chinese. Female operator //9054 kHz	USB	(JPL-Sib)
V26	8073	6-5	Fri	1128	Voice callup. Male operator	USB	(JPL-HK)
V26	9054	6-5	Fri	1138	Voice callup. Female operator //4243 kHz	USB	(JPL-HK)
V26	4243	6-5	Fri	1138	Voice callup. Female operator //9054 kHz	USB	(JPL-HK)
V26	8073	6-5	Fri	1151	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	9054	6-5	Fri	1157	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	4243	6-5	Fri	1157	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	8073	8-5	Sun	1128	Voice callup. Male operator	USB	(JPL-HK)
V26	8073	9-5	Mon	1130	Voice callup. Male operator	USB	(JPL-HK)
V26	8073	9-5	Mon	1157	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	9054	9-5	Mon	1158	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	4243	9-5	Mon	1158	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	9-5	Mon	2340	Voice callup. Female operator	USB	(JPL-HK)
V26	7553	10-5	Tue	1028	Messages in Chinese. Female operator	USB	(JPL-HK)
V26	8073	10-5	Tue	1129	Voice callup. Male operator	USB	(JPL-HK)
V26	8073	10-5	Tue	1153	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	9054	10-5	Tue	1157	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	4243	10-5	Tue	1157	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	8073	12-5	Thu	1130	Voice callup. Male operator	USB	(JPL-HK)
V26	9054	12-5	Thu	1138	Voice callup. Female operator //4243 kHz	USB	(JPL-HK)
V26	4243	12-5	Thu	1138	Voice callup. Female operator //9054 kHz	USB	(JPL-HK)
V26	8073	12-5	Thu	1154	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	4243	12-5	Thu	1207	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	12-5	Thu	1207	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	8073	14-5	Sat	1133	Voice callup. Male operator	USB	(JPL-HK)
V26	4243	14-5	Sat	1204	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	14-5	Sat	1204	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	8073	14-5	Sat	1212	Messages in Chinese. Female operator	USB	(JPL-HK)
V26	8073	17-5	Tue	1130	Voice callup. Male operator	USB	(JPL-HK)
V26	8073	17-5	Tue	1149	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	9054	17-5	Tue	1156	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	4243	17-5	Tue	1156	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	18-5	Wed	2338	Voice callup	USB	(JPL-HK)
V26	8073	19-5	Thu	1128	Voice callup. Male operator	USB	(JPL-HK)
V26	4243	19-5	Thu	1138	Voice callup. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	19-5	Thu	1138	Voice callup. Female operator //4243 kHz	USB	(JPL-HK)
V26	9054	19-5	Thu	1204	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	4243	19-5	Thu	1204	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	8073	22-5	Sun	1130	Voice callup. Male operator	USB	(JPL-HK)
V26	8073	24-5	Tue	0001	Voice callup. Male operator	USB	(JPL-HK)
V26	8073	24-5	Tue	0016	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	8073	24-5	Tue	1129	Voice callup. Male operator	USB	(JPL-HK)
V26	8073	24-5	Tue	1201	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	4243	24-5	Tue	1209	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	24-5	Tue	1209	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	9054	30-5	Mon	2340	Voice callup. Female operator	USB	(JPL-HK)
V26	8073	31-5	Tue	0001	Voice callup. Male operator	USB	(JPL-HK)
V26	8073	31-5	Tue	0021	Messages in Chinese. Male operator)	USB	(JPL-HK)
V26	8073	31-5	Tue	1128	Voice callup. Male operator	USB	(JPL-HK)
V26	4243	31-5	Tue	1139	Voice callup. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	31-5	Tue	1139	Voice callup. Female operator //4243 kHz	USB	(JPL-HK)
V26	9054	31-5	Tue	1203	Messages in Chinese //4243 kHz	USB	(JPL-HK)
V26	4243	31-5	Tue	1203	Messages in Chinese //9054 kHz	USB	(JPL-HK)
VC01	4029	4-5	Wed	1224	Chinese Robot	USB	(RonC)
X06	13838	4-5	Wed	0621	Mazielka. Sequence: 256341	MFSK	(PUK)
X06	14447	5-5	Thu	0728	Mazielka. Sequence: 162543	MFSK	(PUK)
X06	14447	5-5	Thu	0733	Mazielka. Sequence: 162543	MFSK	(PUK)
X06	14447	5-5	Thu	0736	Mazielka. Sequence: 162543	MFSK	(Danix)
X06	13448	5-5	Thu	0745	Mazielka. Sequence: 162543	MFSK	(Danix)
X06	14570	6-5	Fri	0829	Mazielka. Sequence: 324615	MFSK	(PUK)
X06	18197	6-5	Fri	0930	Mazielka. Sequence: 645321	MFSK	(Danix)
X06	12215	6-5	Fri	1003	Mazielka. Sequence: 361245	MFSK	(PUK)

X06	13547	6-5	Fri	1026	Mazielka. Sequence: 625413	MFSK	(PUK)
X06	13420	10-5	Tue	0800	Mazielka. Sequence: 534216	MFSK	(PUK)
X06	13420	10-5	Tue	0828	Mazielka. Sequence: 534216	MFSK	(PUK)
X06	14675	10-5	Tue	1009	Mazielka. Sequence: 612534	MFSK	(PUK)
X06	13510	10-5	Tue	1021	Mazielka. Sequence: 612534	MFSK	(PUK)
X06	13369	11-5	Wed	0728	Mazielka. Sequence: 412356	MFSK	(PUK)
X06	14655	11-5	Wed	0742	Mazielka. Sequence: 164253	MFSK	(PUK)
X06	13985	11-5	Wed	0845	Mazielka. Sequence: 134265	MFSK	(PUK)
X06	18591	11-5	Wed	1008	Mazielka. Sequence: 435621	MFSK	(PUK)
X06	15878	11-5	Wed	1042	Mazielka. Sequence: 621543	MFSK	(PUK)
X06	13363	11-5	Wed	1717	Mazielka. Sequence: 1--6--	MFSK	(AB)
X06	10535	12-5	Thu	1518	Mazielka. Sequence: 564213	MFSK	(PUK)
X06	14442	12-5	Thu	1522	Mazielka. Sequence: 564213	MFSK	(PUK)
X06	10653	13-5	Fri	0829	Mazielka. Sequence: 356412	MFSK	(PUK)
X06	12213	13-5	Fri	0956	Mazielka. Sequence: 615243	MFSK	(Danix)
X06	14595	15-5	Sun	0721	Mazielka. Sequence: 452163	MFSK	(PUK)
X06	16188	17-5	Tue	1204	Mazielka. Sequence: 325614	MFSK	(Danix)
X06	19511	19-5	Thu	0713	Mazielka. Sequence: 314265	MFSK	(PUK)
X06	14447	19-5	Thu	0722	Mazielka. Sequence: 162543	MFSK	(PUK)
X06	18532	19-5	Thu	0901	Mazielka. Sequence: 325614	MFSK	(PUK)
X06	14570	20-5	Fri	0815	Mazielka. Sequence: 324615	MFSK	(PUK)
X06	18197	20-5	Fri	0945	Mazielka. Sequence: 645321	MFSK	(PUK)
X06	18197	20-5	Fri	0949	Mazielka. Sequence: 645321	MFSK	(PUK)
X06	14501	20-5	Fri	1002	Mazielka. Sequence: 361245	MFSK	(Danix)
X06	12215	20-5	Fri	1004	Mazielka. Sequence: 361245	MFSK	(Danix)
X06	13517	23-5	Mon	0928	Mazielka. Sequence: 463125	MFSK	(PUK)
X06	15656	23-5	Mon	1242	Mazielka. Sequence: 364152	MFSK	(PUK)
X06	13420	24-5	Tue	0800	Mazielka. Sequence: 534216	MFSK	(PUK)
X06	16257	24-5	Tue	0810	Mazielka. Sequence: 542136	MFSK	(PUK)
X06	16317	24-5	Tue	1001	Mazielka. Sequence: 612534	MFSK	(PUK/Danix)
X06	13510	24-5	Tue	1009	Mazielka. Sequence: 612534	MFSK	(PUK/Danix)
X06	13369	25-5	Wed	0723	Mazielka. Sequence: 412356	MFSK	(PUK)
X06	13419	25-5	Wed	0759	Mazielka. Sequence: 465132	MFSK	(PUK)
X06	18177	25-5	Wed	0806	Mazielka. Sequence: 164253	MFSK	(PUK)
X06	14944	25-5	Wed	1033	Mazielka. Sequence: 621543	MFSK	(PUK)
X06	13506	26-5	Thu	0952	Mazielka. Sequence: 164532	USB	(PUK)
X06	16223	26-5	Thu	1000	Mazielka. Sequence: 164532	USB	(PUK)
X06	13441	26-5	Thu	1409	Mazielka. Sequence: 532614	USB	(PUK)
X06	14811	26-5	Thu	1412	Mazielka. Sequence: 263145	USB	(PUK)
X06	13411	26-5	Thu	1415	Mazielka. Sequence: 263145	USB	(PUK)
X06	10214	26-5	Thu	1427	Mazielka. Sequence: 263145	USB	(PUK)
X06	12158	26-5	Thu	1518	Mazielka. Sequence: 564213	USB	(PUK)
X06	12213	27-5	Fri	1008	Mazielka. Sequence: 615243	MFSK	(Danix)
X06	14863	27-5	Fri	1013	Mazielka. Sequence: 615243 615243	MFSK	(Danix)
X06b	14538	10-5	Tue	1927	Mazielka. Sequence: 1-6---	MFSK	(Dan)
X06b	14538	10-5	Tue	1930	Mazielka. Sequence: 1-6---	MFSK	(Dan)
X06b	16314	13-5	Fri	1409	Mazielka. Sequence 1--6--	MFSK	(F5JBR)
X06b	16314	15-5	Sun	1422	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	12138	15-5	Sun	1924	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	13538	15-5	Sun	1931	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	14538	15-5	Sun	1934	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
XPA	10438	3-5	Tue	1730	491 491 491 000 06780 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	9938	3-5	Tue	1750	491 491 491 000 06780 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	9138	3-5	Tue	1810	491 491 491 000 06780 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
XPA	10868	4-5	Wed	0600	813 813 813 000 08930 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	12168	4-5	Wed	0620	813 813 813 000 08930 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	13368	4-5	Wed	0640	813 813 813 000 08930 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	10438	5-5	Thu	1730	491 491 491 000 05095 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	9938	5-5	Thu	1750	491 491 491 000 05095 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	9138	5-5	Thu	1810	491 491 491 000 05095 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ/HFD)
XPA	10868	7-5	Sat	0600	813 813 813 000 02500 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12168	7-5	Sat	0620	813 813 813 000 02500 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13368	7-5	Sat	0640	813 813 813 000 02500 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10438	10-5	Tue	1730	491 1 06878 00161 54604 ... 42672 01507 72764	MFSK-20/10Bd	(AB)

XPA	9938	10-5	Tue	1750	491 1 06878 00161 54604 ... 42672 01507 72764	MFSK-20/10Bd	(AB/MPJ)
XPA	9138	10-5	Tue	1810	491 1 06878 00161 54604 ... 42672 01507 72764	MFSK-20/10Bd	(AB)
XPA	10868	11-5	Wed	0600	813 1 06734 00115 06617 ... 63976 17656 65004	MFSK-20/10Bd	(AB)
XPA	12168	11-5	Wed	0620	813 1 06734 00115 06617 ... 63976 17656 65004	MFSK-20/10Bd	(AB)
XPA	13368	11-5	Wed	0640	813 1 06734 00115 06617 ... 63976 17656 65004	MFSK-20/10Bd	(AB)
XPA	10438	12-5	Thu	1730	491 1 06878 00161 54604 ... 42672 01507 72764	MFSK-20/10Bd	(AB)
XPA	9938	12-5	Thu	1750	491 1 06878 00161 54604 ... 42672 01507 72764	MFSK-20/10Bd	(AB)
XPA	9138	12-5	Thu	1810	491 1 06878 00161 54604 ... 42672 01507 72764	MFSK-20/10Bd	(AB)
XPA	10868	14-5	Sat	0600	813 1 06734 00115 06617 ... 63976 17656 65004	MFSK-20/10Bd	(AB)
XPA	12168	14-5	Sat	0620	813 1 06734 00115 06617 ... 63976 17656 65004	MFSK-20/10Bd	(AB)
XPA	13368	14-5	Sat	0640	813 1 06734 00115 06617 ... 63976 17656 65004	MFSK-20/10Bd	(AB)
XPA	10438	17-5	Tue	1730	491 491 491 000 07257 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	9938	17-5	Tue	1750	491 491 491 000 07257 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	9138	17-5	Tue	1810	491 491 491 000 07257 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10868	18-5	Wed	0600	813 813 813 000 02880 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	12168	18-5	Wed	0620	813 813 813 000 02880 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13368	18-5	Wed	0640	813 813 813 000 02880 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10438	19-5	Thu	1730	491 491 491 000 03014 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	9938	19-5	Thu	1750	491 491 491 000 03014 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	9138	19-5	Thu	1810	491 491 491 000 03014 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10438	24-5	Tue	1730	491 1 07718 00237 99634 47380 05769 ... 96768 50223 63168 51560 33701	MFSK-20/10Bd	(MPJ)
XPA	9928	24-5	Tue	1750	491 1 07718 00237 99634 47380 05769 ... 96768 50223 63168 51560 33701	MFSK-20/10Bd	(MPJ/PPA)
XPA	9138	24-5	Tue	1810	491 1 07718 00237 99634 47380 05769 ... 96768 50223 63168 51560 33701	MFSK-20/10Bd	(MPJ)
XPA	10438	26-5	Thu	1730	491 1 07718 00237 99634 47380 05769 ... 96768 50223 63168 51560 33701	MFSK-20/10Bd	(MPJ)
XPA	9138	26-5	Thu	1810	491 1 07718 00237 99634 47380 05769 ... 96768 50223 63168 51560 33701	MFSK-20/10Bd	(MPJ)
XPA	9938	31-5	Tue	1750	491 491 491 000 07766 00001 00000 10140	MFSK-20/10Bd	(MPJ)
XPA	9138	31-5	Tue	1810	491 491 491 000 07766 00001 00000 10140	MFSK-20/10Bd	(MPJ)
XPA2	16314	1-5	Sun	1500	07378 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	15814	1-5	Sun	1520	07378 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	14514	1-5	Sun	1540	07378 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14538	1-5	Sun	2000	08287 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	13538	1-5	Sun	2020	08287 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	12138	1-5	Sun	2040	08287 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	19667	3-5	Tue	0700	03225 00125 08749 ... 89997 27759 15122	MFSK-16/20Bd	(AB/HFD)
XPA2	18767	3-5	Tue	0720	03225 00125 08749 ... 89997 27759 15122	MFSK-16/20Bd	(AB/HFD)
XPA2	17467	3-5	Tue	0740	03225 00125 08749 ... 89997 27759 15122	MFSK-16/20Bd	(AB/HFD)
XPA2	14538	3-5	Tue	2000	03759 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	13538	3-5	Tue	2020	03759 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	12138	3-5	Tue	2040	03759 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	19667	6-5	Fri	0700	03225 00125 08749 ... 89997 27759 15122	MFSK-16/20Bd	(AB)
XPA2	18767	6-5	Fri	0720	03225 00125 08749 ... 89997 27759 15122	MFSK-16/20Bd	(AB)
XPA2	17467	6-5	Fri	0740	03225 00125 08749 ... 89997 27759 15122	MFSK-16/20Bd	(AB)
XPA2	16314	6-5	Fri	1500	01968 00097 33049 ... 51278 62410 21672	MFSK-16/20Bd	(AB/MPJ)
XPA2	15814	6-5	Fri	1520	01968 00097 33049 ... 51278 62410 21672	MFSK-16/20Bd	(AB/MPJ)
XPA2	14514	6-5	Fri	1540	01968 00097 33049 ... 51278 62410 21672	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	6-5	Fri	1900	03004 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	6-5	Fri	1920	03004 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14828	6-5	Fri	1940	03004 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	7-5	Sat	1900	05245 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	16114	7-5	Sat	1920	05245 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	14828	7-5	Sat	1940	05245 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	14538	8-5	Sun	2000	06223 00061 55611 93174 ...	MFSK-16/20Bd	(AB)
XPA2	13538	8-5	Sun	2020	06223 00061 55611 93174 ...	MFSK-16/20Bd	(AB)
XPA2	12138	8-5	Sun	2040	06223 00061 55611 93174 ...	MFSK-16/20Bd	(AB)
XPA2	19667	10-5	Tue	0700	01088 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18767	10-5	Tue	0720	01088 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17467	10-5	Tue	0740	01088 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	19667	13-5	Fri	0700	04432 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18767	13-5	Fri	0720	04432 00001 00000 10140	MFSK-16/20Bd	(AB)

XPA2	17467	13-5	Fri	0740	04432 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16314	13-5	Fri	1500	01089 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	15814	13-5	Fri	1520	01089 00001 00000 00140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14514	13-5	Fri	1540	01089 00001 00000 00140	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	13-5	Fri	1900	04110 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	16114	13-5	Fri	1920	04110 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14828	13-5	Fri	1940	04110 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	17462	14-5	Sat	1900	55736 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	16114	14-5	Sat	1920	55736 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	14828	14-5	Sat	1940	55736 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	16314	15-5	Sun	1500	06618 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	15814	15-5	Sun	1520	06618 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	14514	15-5	Sun	1540	06618 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	14538	15-5	Sun	2000	06725 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	13538	15-5	Sun	2020	06725 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	15-5	Sun	2040	06725 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	19667	17-5	Tue	0700	08916 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18767	17-5	Tue	0720	08916 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17467	17-5	Tue	0740	08916 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14538	17-5	Tue	2000	08503 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	13538	17-5	Tue	2020	08503 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	17-5	Tue	2040	08503 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	19667	20-5	Fri	0700	03801 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18767	20-5	Fri	0720	03801 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17467	20-5	Fri	0740	03801 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	17462	20-5	Fri	1900	05902 00057 02618 ... 55385 58572 16516	MFSK-16/20Bd	(Dan)
XPA2	16114	20-5	Fri	1920	05902 00057 02618 ... 55385 58572 16516	MFSK-16/20Bd	(Dan/MPJ)
XPA2	14828	20-5	Fri	1940	05902 00057 02618 ... 55385 58572 16516	MFSK-16/20Bd	(Dan)
XPA2	16314	22-5	Sun	1500	03337 00129 04355 98205 35814 ... 46583 00896 96643 00167 63034	MFSK-16/20Bd	(MPJ/Dan)
XPA2	15814	22-5	Sun	1520	03337 00129 04355 98205 35814 ... 46583 00896 96643 00167 63034	MFSK-16/20Bd	(MPJ/Dan)
XPA2	14514	22-5	Sun	1540	03337 00129 04355 98205 35814 ... 46583 00896 96643 00167 63034	MFSK-16/20Bd	(MPJ/Dan)
XPA2	14538	22-5	Sun	2000	04715 00001 00000 10140	MFSK-16/20Bd	(MPJ/Dan)
XPA2	13538	22-5	Sun	2020	04715 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	12138	22-5	Sun	2040	04715 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	14538	24-5	Tue	2000	07209 00001 00000 10140	MFSK 16/20Bd	(Dan)
XPA2	13538	24-5	Tue	2020	07209 00001 00000 10140	MFSK 16/20Bd	(Dan)
XPA2	12138	24-5	Tue	2040	07209 00001 00000 10140	MFSK 16/20Bd	(Dan)
XPA2	17462	27-5	Fri	1900	05792 00001 00000 10140	MFSK 16/20Bd	(Dan)
XPA2	16114	27-5	Fri	1920	05792 00001 00000 10140	MFSK 16/20Bd	(Dan)
XPA2	14828	27-5	Fri	1940	05792 00001 00000 10140	MFSK 16/20Bd	(Dan)
XPA2	16314	29-5	Sun	1500	03924 00243 64052 11847 73910 ... 82595 30411 84517 21394 13425	MFSK-16/20Bd	(MPJ)
XPA2	15814	29-5	Sun	1520	03924 00243 64052 11847 73910 ... 82595 30411 84517 21394 13425	MFSK-16/20Bd	(MPJ)
XPA2	14514	29-5	Sun	1540	03924 00243 64052 11847 73910 ... 82595 30411 84517 21394 13425	MFSK-16/20Bd	(MPJ)
XPA2	14538	29-5	Sun	2000	02851 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	13538	29-5	Sun	2020	02851 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	12138	29-5	Sun	2040	02851 00001 00000 10140	MFSK-16/20Bd	(Dan)

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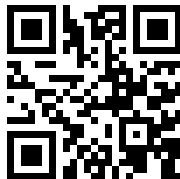
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 63298 75698 27465 87326 49876 28376 81273 98615 81
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 943 98798 98754 98754 98754 98754 29867 67543 67986 86
 976 87698 69876 87698 69876 87612 12341 34867 86798 652
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