

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	70
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	50
658	63298	75698	27465	87326	49876	28376	81273	98615	62
667	87432	74328	78674	29867	32867	67867	86786	43206	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
741	02787	58765	76587	58765	76587	58765	76587	58756	765
75476	26543	54365	36543	54365	36543	54365	36543	54365	543

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #228, September 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.

VOICE STATIONS



E06

5186 kHz, 01-09, 2030 UTC

891 569 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

5197 kHz, 02-09, 2132 UTC. 2 mins late. Same messages as 1-9 but different id

5197 kHz, 16-09, 2130 UTC

634 569 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

14370 kHz, 15-09, 0500 UTC

354 879 102

43351 32471 02046 28403 69118 33861 50963 78723 30356 85621
37131 43962 16357 53623 61958 66306 89703 81518 72386 98885
83210 44196 71936 79690 63761 35716 04127 67408 05226 02653
62942 12504 37652 58789 10040 62007 64906 42089 03380 21415
67966 99897 66969 22169 36043 13300 56411 68129 92720 96581
99932 59501 09305 32714 19603 17628 22567 30825 62396 59108
99070 16569 95825 92663 13261 91353 47797 37202 31521 21343
95401 84501 19365 42193 32318 54971 13968 90436 69507 19909
29212 97473 48911 88699 85442 07096 74813 84400 81117 02483
92570 56131 48535 53601 69392 01730 60839 20971 56857 99088
82475 76690
879 102 00000



E07

9064/10264/11464 kHz, 03-09/04-09, 0600/0620/0640 UTC

024 024 024 1 944 98 944 98
40497 13825 27578 95153 07524 55723 41110 00064 58961 45797
66598 29006 35526 68068 74046 86505 72954 26695 17360 00620
54857 75269 53146 41492 93719 64817 09686 80972 56538 85398
04145 92227 61688 50317 07252 03384 18531 46635 26532 71439
15414 64381 81809 47158 35979 68204 21496 40340 71066 62813
95562 02206 72632 03887 70043 83807 94547 30098 08899 07862
05768 60141 86979 78813 04240 12848 75729 46675 86287 72085
04592 24943 35064 71242 04576 47836 03525 15919 20999 10330
24045 46516 69624 41133 30821 99795 46027 05905 32426 71142
43196 68736 59558 39644 24744 42928 46633 03752
000 000

13527/12227/10627 kHz, 04-09, 1700/1720/1740 UTC

526 526 526 1 304 78 304 78
36486 50379 30972 00897 06326 34172 44982 48490 56993 67406
48206 29673 76606 91119 40642 08033 18720 69284 38694 75541
96891 88783 54318 46251 22924 87499 42974 85315 46289 93083
11294 46835 29940 03801 61371 74294 67204 80193 67510 61521
42167 23089 49201 96570 71125 84129 83970 80053 40936 49989
88567 41673 04958 44417 07358 33891 63383 87571 60642 09007
18147 52424 26734 84451 74076 75945 25242 45272 32403 31591
70213 50875 45981 34759 13242 48371 59868 77088
000 000

14584/13384/11584 kHz, 14-09, 1900/1920/1940 UTC

535 535 535 1 598 47 598 47
17593 23961 17637 15055 38656 45290 66375 14599 07476 84048
46788 88366 84763 15948 77663 55991 92370 21706 61677 65756
25881 66214 19507 41203 56117 13836 89515 04541 04485 59648
55719 45742 19175 39377 22256 53022 16296 54647 05317 14075
24263 44604 01808 00022 82523 38186 13675
000 000

14584/13384/11584 kHz, 19-09/21-09, 1900/1920/1940 UTC

535 535 535 1 587 34 587 34
67838 50565 35459 12814 25867 31837 39527 24608 96484 99358
90903 41010 86099 23714 03005 02430 05599 57689 68206 26535
73996 75499 42681 00336 34792 98051 18696 05784 69731 19383
11588 60633 43410 81422
000 000

13527/12227/10627 kHz, 28-09, 1700/1720/1740 UTC

526 526 526 1 551 51 551 51
05284 00927 25779 24313 33353 41121 57138 30935 51959 75188
25989 54714 81685 92486 34592 97248 44448 52471 74412 11745
23535 53789 92770 99099 29942 24401 28656 31436 58781 36008
29952 41177 24552 32255 38830 55237 98357 78261 48746 10844
15842 86225 53194 11594 57262 85424 43330 38990 66212 10142
45948
000 000



E07a

6788 kHz, 15-09, 0430 UTC

741 741 741 1 62218 5778 59 5778 59
02843 75488 55884 56978 49259 32305 99369 85223 01885 94794
72848 80756 07633 37801 20796 40759 60367 17760 63761 46152
67453 06574 88338 74688 83164 05823 20504 81006 43904 06667
97671 41884 47414 59147 99531 70738 10037 84313 61668 20925
97254 61569 44575 94939 75686 95139 38637 11383 29628 92410
02206 03341 09212 34074 93192 94456 34665 22089 70743
000 000

10583/9383/8183 kHz, 16-09, 1510/1530/1550 UTC

531 531 531 1 38672 2977 65 2977 65
98649 91538 19531 10685 72204 98649 69615 72005 70203 46291
29436 26632 35206 34904 67861 64854 77638 48195 05570 09010
17586 62399 14665 29662 19056 20431 22474 65204 77693 84869
93826 97156 62952 89492 55260 52701 19404 89783 01295 63494
76817 68574 57420 35239 34378 52829 47188 38299 97566 85740
96983 94101 02798 99016 96759 08506 13885 87483 19020 96646
19829 70562 57585 90484 09106
000 000

11153/12153/13453 kHz, 17-09, 0800/0820/0840 UTC

114 114 114 1 38672 2977 65 2977 65
98649 91538 19531 10685 72204 98649 69615 72005 70203 46291
29436 26632 35206 34904 67861 64854 77638 48195 05570 09010
17586 62399 14665 29662 19056 20431 22474 65204 77693 84869
93826 97156 62952 89492 55260 52701 19404 89783 01295 63494
76817 68574 57420 35239 34378 52829 47188 38299 97566 85740
96983 94101 02798 99016 96759 08506 13885 87483 19020 96646
19829 70562 57585 90484 09106
000 000

8144/6944/5744 kHz, 21-09, 2000/2020/2040 UTC

197 197 197 1 39884 5521 87 5521 87
22289 17805 53601 86901 58836 40879 44209 89353 82449 29937
20848 27081 58159 82288 83157 34271 38621 57474 89878 19978
72560 34868 47267 72754 12630 68439 58869 57278 14841 08776
07653 48366 40881 16218 11415 99268 63395 23434 53049 67495
27297 25872 44841 07667 57106 80836 22555 25802 32628 66001
71048 82035 14783 92294 80168 16073 68114 80076 06004 28432
23210 77247 16930 68180 59037 08459 69489 46238 99379 50196
27417 03162 49385 70917 93009 86458 94599 31398 67619 15729
91983 69955 93677 90918 24730 93300 37625
000 000

6788/7488/8188 kHz, 22-01, 0430/0450/0510 UTC

741 741 741 1 39884 5521 87 5521 87
22289 17805 53601 86901 58836 40879 44209 89353 82449 29937
20848 27081 58159 82288 83157 34271 38621 57474 89878 19978
72560 34868 47267 72754 12630 68439 58869 57278 14841 08776
07653 48366 40881 16218 11415 99268 63395 23434 53049 67495
27297 25872 44841 07667 57106 80836 22555 25802 32628 66001
71048 82035 14783 92294 80168 16073 68114 80076 06004 28432
23210 77247 16930 68180 59037 08459 69489 46238 99379 50196
27417 03162 49385 70917 93009 86458 94599 31398 67619 15729
91983 69955 93677 90918 24730 93300 37625
000 000



E11a

10213 kHz, 05-09, 0745 UTC / 10330 kHz, 08-09, 1530 UTC

269/39 Attention
57118 88689 15658 75421 29594 18208 02752 16045 45684 75493
80587 94852 99010 54041 06231 93744 04902 38747 77003 72329
33715 71503 15625 41682 01016 30026 76352 36651 74250 15646
33154 47743 09950 80184 93844 40237 68383 16194 64135
Attention, rpt msg, out

10800 kHz, 06-09/08-09, 0645 UTC

514/40 Attention
92802 46949 01378 75456 47767 06443 57728 20575 56614 39918
78419 64342 24701 93568 74958 91395 75755 67835 30303 41050
51221 90180 71614 63733 20602 81886 02252 39052 71720 14966
77235 50217 15789 73350 37858 63141 78211 11462 61713 78660
Attention, rpt msg, out

7850 kHz, 07-09, 0315 UTC

255/38 Attention
12355 37432 89959 57444 92380 06623 66648 36739 49693 42805
60455 78917 60679 73278 16113 58238 85183 55935 83243 44043
61531 78138 69044 06490 02342 87044 03229 33185 25191 38870
70453 88831 72720 59097 13356 54365 66485 25817
Attention, rpt msg, out

13046 kHz, 10-09, 1345 UTC

917/35 Attention
43997 56984 63057 00752 69786 65343 54731 59733 77734 05450
06630 89960 06389 48255 74914 09418 48771 59988 68102 82081
83717 63743 04287 21329 07072 88288 05314 67004 21621 52311
15160 83362 98617 15702 58466
Attention, rpt msg, out

6304 kHz, 12-09, 0450 UTC

413/31 Attention
92231 52738 05159 16120 81221 65037 61069 80735 63105 74091
09281 19758 45296 49899 69082 70197 07184 77782 62054 92988
67868 17929 82178 36344 89150 86319 48024 17679 05977 60142
68066
Attention, rpt msg, out

8102 kHz, 13-09, 1045 UTC

573/40 Attention

54445 24349 98947 46926 91051 11402 12762 02116 25868 09450
32646 55218 93833 31028 88616 09481 01810 04647 54219 16256
23742 93675 50726 44596 76135 39211 01651 19920 69035 41446
91543 11760 52683 16606 54786 87313 40578 30127 61415 87154

Attention, rpt msg, out

9443 kHz, 13-09, 1205 UTC

460/32 Attention

45036 31270 14044 43396 70214 25617 70837 08168 19806 91867
81872 96255 10330 87442 39415 38598 42153 78240 18910 13780
84926 23982 61618 94531 21079 57832 16873 41143 21084 15636
14078 94228

Attention, rpt msg, out

15632 kHz, 13-09, 1300 UTC

130/40 Attention

68506 32116 11432 69628 00755 37697 73898 47080 46188 32155
73968 19140 10148 38414 83455 85211 73776 04538 76870 84952
70626 70741 40406 32968 21339 73492 11976 93974 09534 57160
85970 75426 93290 71395 87997 28529 23571 75526 07943 67319

Attention,rpt msg, out

9399 kHz, 14-09, 0900 UTC

534/38 Attention

84380 66300 00326 70273 91972 69524 83133 94185 77904 91350
97001 74678 94203 76874 86662 02969 24615 13130 74601 79946
80981 32217 65960 01125 74436 55525 76616 01557 62753 92394
14561 72999 25476 52761 29987 86207 25644 50519

Attention,rpt msg, out

14769 kHz, 15-09, 0745 UTC

333/33 Attention

15393 61944 66840 74935 61495 82300 49678 12838 25277 93207
65405 72569 44239 08628 49282 89316 45386 31780 42919 69998
68556 47219 08951 89927 52833 63952 65909 16317 44936 21066
27062 21312 64523

Attention,rpt msg, out

9371 kHz, 15-09, 1730 UTC

413/31 Attention

92231 52738 05159 16120 81221 65037 61069 80735 63105 74091
09281 19758 45396 49899 69082 70197 07184 77782 62054 92988
67868 17929 82178 36344 89150 86319 48024 17679 05977 60142
68066

Attention,rpt msg, out

10221 kHz, 16-09, 0710 UTC

637/37 Attention

13291 83022 66119 59470 60184 26130 13581 99838 74918 30525
72433 52229 79741 33079 48483 37852 71401 60462 32951 13988
04000 71264 77942 74983 87402 97792 51679 52236 83634 33195
81316 50748 40432 11880 34753 06105 01861

Attention,rpt msg, out

13873 kHz, 16-09/18-09, 1650 UTC

921/32 Attention

59236 49205 02818 43797 12064 39481 62917 09711 71460 34283
93176 80122 79787 14352 73615 75666 20809 92021 84288 08406
53170 09561 14251 04045 95395 91750 28893 02731 92864 73639
98750 71410

Attention, rpt msg, out

10213 kHz, 17-09, 1705 UTC

392/38 Attention

35623 54806 43551 29738 36649 95492 67280 18280 24384 12601
31634 37317 74474 91431 03455 54449 10845 35698 40698 31761
04159 43479 04556 72712 37547 59110 93273 68753 60714 95800
55370 43229 71614 56224 39008 80195 01573 15546

Attention, rpt msg, out

7317 kHz, 19-09, 0533 UTC

7317 kHz, 19-09, 0530 UTC

19-09: 3 mins late. Very short callup which indicates that the transmission probably started on time but someone forgot to open the sound channel or something like that

649/37 Attention

34200 72427 08114 36906 07433 08594 21349 48758 32739 64298
00614 39487 33950 30317 31846 17902 17311 90920 62676 67998
77949 04148 68879 76458 18148 48770 03396 25489 81988 60396
90177 48836 49712 02368 13012 39084 11475

Attention, rpt msg, out

6397 kHz, 20-09/25-09, 1605 UTC

238/36 Attention

09273 88210 31638 78662 82297 04139 86690 41354 08811 99095
19950 75531 90075 62857 32163 55357 87550 56883 00738 12975
32859 89095 56280 88456 81731 09985 21421 90614 87096 24622
00678 80276 73651 97148 33927 04943

Attention, rpt msg, out

8803 kHz, 21-09/22-09, 0930 UTC

278/39 Attention

16316 02998 00153 35777 42201 44029 21722 47178 30771 57966
22842 71485 59506 97111 08590 09943 74638 15425 25172 59632
79348 15602 87290 00126 52189 33361 71072 59512 57100 90538
55319 26809 06454 19188 34763 05668 94902 12281 27202

Attention, rpt msg, out

10448 kHz, 21-09/25-09, 1625 UTC

978/36 Attention

77028 70442 13745 67203 31170 51082 76634 62886 28528 31553
19712 50994 39537 66424 93195 48950 09990 12853 11716 63329
58329 27565 60486 07772 89376 80918 58453 94673 59514 05199
47056 72800 94350 72475 95608 56440

Attention, rpt msg, out

5844 kHz, 21-09/24-09, 1730 UTC

406/36 Attention

62649 60580 66647 95183 29666 00723 23893 97880 28559 98158
90891 05607 82186 64643 81779 10799 41326 32646 84369 87186
43293 68014 57032 83515 94030 46625 91305 53272 02869 15169
55142 85283 53251 38589 29093 35642

Attention, rpt ,sg, out

7317 kHz, 22-09, 0530 UTC

649/37 Attention

34200 72427 08114 36906 07433 08594 21349 48758 32739 64298
00614 39487 33950 30317 31846 17902 17311 90920 62676 67998
77949 04148 68879 76458 18148 48770 03396 25489 81988 60396
90177 48836 49712 02368 13012 39084 11475

Attention, rpt msg, out

8186 kHz, 24-09, 2005 UTC

369/38 Attention

89536 00954 51174 27160 68543 66509 71712 44091 91241 59694
58176 50650 15212 94096 97166 64296 99757 43364 53813 56754
84620 86333 25835 03693 04881 23367 97567 24829 61795 95380
80185 18492 71182 98615 14683 58834 46775 71320

Attention, rpt msg, out

15825 kHz, 23-09/25-09, 0730 UTC

353/39 Attention

16360 06930 94552 82392 39800 09999 71464 22043 45003 07586
84019 02319 88449 02666 55036 02751 31169 99701 04143 89349
17922 36973 47254 01411 74506 74708 55436 92865 97563 12008
61327 42174 60624 12470 96345 39054 55138 61232 17900

Attention, rpt msg, out

11450 kHz, 25-09, 0805 UTC

313/40 Attention

18055 98549 85571 80897 80709 23326 82692 26120 67780 36717
49840 79871 92763 23199 64195 68733 85351 35344 85205 19598
88614 01779 68955 48721 40896 76395 21760 84870 53237 64232
28931 54732 21186 84517 98703 91925 58655 69421 97651 38285

Attention, rpt msg, out

7317 kHz, 26-09/29-09, 0820 UTC

436/32 Attention

52431 92295 21201 96210 33336 28204 76272 07814 50950 24066
81405 91600 32487 08086 57189 11140 91348 89467 61817 81594
12297 57811 29758 33075 75783 00340 13665 27542 12376 33797
05723 48615

Attention, rpt msg, out



E17z

14260/12930 kHz, 01-09/08-09, 0800/0810 UTC

674 203 5 52491 63919 92699 14600 74248 203 5 00000

14260/12930 kHz, 15-09/22-09, 0800/0810 UTC

674 209 5 33699 39998 30667 35947 83964 209 5 00000

14260/12930 kHz, 29-09, 0800/0810 UTC

674 674 674 00000



E25

6140 kHz, 19-09, 0830 UTC

701 4611 1090 4292 4139 9068 0633 6498 5410

Transmission resets once. Second group should be 2080 instead of 1090. Windows 7 shutdown sound at the end



G06

6810 kHz, 05-09, 0759 UTC, starts 1 min early

329 (R) 613 20

14259 22676 32782 32782 76723 89409 12215 76326 64070 90235

38085 59543 12319 74238 36664 12256 18841 73311 98089 12252

613 20 00000

4767/4953 kHz, 05-09/12-09, 1700/1800 UTC

5186/5436 kHz, 07-09/14-09, 1200/1300 UTC

574 (R) 909 909 137 137

71848 70279 97387 54785 92602 87958 34225 82212 67241 43783

35131 77711 91733 97715 10034 60421 90985 24885 94883 11460

41922 43271 08412 72555 46470 93943 38370 87119 83134 38808

43900 78418 88465 78825 77362 80598 99895 92224 89415 13160

52440 73915 95589 68834 77775 69063 05095 86543 10959 77039

38869 39073 35124 60917 28889 03526 38959 53526 12898 83759

68103 34443 31939 36529 06405 66206 21324 00740 31318 63849

66109 87416 14331 75596 73075 55410 94342 71184 22683 22328

30460 46178 35849 05011 32876 63077 39181 34684 09188 99545

99680 99155 50258 76854 47699 26354 33582 80294 55891 44295

60059 64273 69337 58952 13519 87086 69252 95293 60207 46210

46688 42500 21714 27978 56633 04035 21158 02650 72893 61574

50311 19256 87918 17165 07793 27261 58624 12981 15895 91561

38292 66022 13424 48195 14549 41032 66702

909 909 137 137 00000

Note:

Error on 05-09

018 018 137 137 00000 (05-09, 1700 UTC, error in key group)

909 909 137 137 00000 (05-09, 1800 UTC, correct key group)

5943 kHz, 08-09, 1830 UTC

579 317 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 90 00000

5442 kHz, 09-09, 1930 UTC

947 391 60

56327 21940 73218 64184 47458 43252 32589 28474 71904 56483
34593 39453 04716 54718 94871 52894 24595 12421 48723 89248
45455 45454 45454 34545 35345 35454 35454 32454 23434 24334
56567 87876 34543 76765 34355 34543 34543 65656 24344 34343
34322 65656 34343 67656 87878 34343 67676 35435 13231 32323
63453 85958 74287 63513 53612 15879 74843 47309 94872 47426
391 60 00000

5943 kHz, 22-09, 1830 UTC

5442 kHz, 23-09, 1930 UTC

579 317 60

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
317 60 00000



S06

19035/15645 kHz, 02-09, 0830/0930 UTC

842 951 30

59380 92319 11046 03371 26173 09566 15931 32299 49472 00114
42751 55850 09702 89697 13225 22834 26955 34031 57158 13496
33593 25558 64971 95936 25069 91325 95803 60353 99913 36655
951 30 00000

8057/5846 kHz, 08-09, 2130/2230 UTC

726 834 51

69242 67103 04390 02548 35983 61415 30087 57076 15693 79581
40382 12827 50478 07007 11699 73863 45395 67678 32505 00172
63635 68837 70417 61953 91727 95744 89806 46357 66952 17487
24561 40089 84143 89754 35726 36340 24078 65530 08690 39469
70632 49618 69608 65874 08896 57971 25754 64494 21431 67729
59481

8057/5846 kHz, 08-09, 2130/2230 UTC

726 834 51

69242 67103 04390 02548 35983 61415 30087 57076 15693 79581
40382 12827 50478 07007 11699 73863 45395 67678 32505 00172
63635 68837 70417 61953 91727 95744 89806 46357 66952 17487
24561 40089 84143 89754 35726 36340 24078 65530 08690 39469
70632 49618 69608 65874 08896 57971 25754 64494 21431 67729
59481
834 51 00000

15645 kHz, 16-09, 0930 UTC

842 159 32
48742 54737 82415 62888 68347 99615 43336 61347 86078 96215
69851 30543 10366 85286 33754 44648 63132 06696 60624 37793
21148 49934 01115 54223 35603 95734 57795 76302 40844 03497
41010 97523
159 32 00000

15645 kHz, 30-09, 0930 UTC

842 591 30
90876 03820 40550 70425 06705 26557 62749 76626 76926 89660
17830 47799 01383 03639 89851 36834 82493 45410 62509 32685
92439 87963 36165 89289 36535 10969 49670 78423 36229 09536
92910 96161 80171 43306
591 34 00000



S06s

Like in August there were many unscheduled/test messages in September, often in LSB. They were copied by Edd, Jim, linkz, Parkeerwacht, qsr711 and Danix. Thanks guys !

7641 kHz, 01-09, 0710 UTC

124 638 12 7...
Abrupt end, message didn't continue afterwards

10447 kHz, 01-09, 1019 UTC, LSB

i.p. 00000 (probably 925)

9101 kHz, 01-09, 1025 UTC

925 925 925 00000

9231 kHz, 01-09, 0533 UTC, LSB

i.p. 46291 80714 57922 69516 08704 77511 33064 49027
19155 86424 16103 14901 74750 82191 60241 06194 85016 67745
89562 30708 64037 14435 77508 32798 95570 82064 03644 52692
97528 05534 86499 74680 50132 89675 27671 79205 29488 22805
84455
122 41 00000

10933 kHz, 01-09, 0554 UTC, LSB

i.p. repeat of 9231 kHz: 22805 84455 122 41 00000

9082 kHz, 01-09, 0813 UTC, LSB, i.p.

143 617 14
39475 49476 18613 79015 51602 10902 46620 93199 01125 30579
18482 07558 42575 88727
617 14 00000

10603 kHz, 01-09, 0823 UTC, LSB, i.p.

168 617 14
39475 49476 18613 79015 51602 10902 46620 93199 01125 30579
18482 07558 42575 88727
617 14 00000

10603 kHz, 05-09, 0820 UTC, USB

153 269 3 73483 86967 08714 269 3 00000

6843 kHz, 05-09, 1955 UTC, USB

692 692 692 49621 (R4m)

692 (R1m) 317 8

07762 93912 93575 63917 09130 89472 52439 48235

317 8 00000

5760/6930 kHz, 06-09, 0700/0715 UTC, USB

374 961 5 84496 13529 91969 44658 45517 961 5 00000

7425/11560 kHz, 06-09, 0730/0745 UTC, USB

427 916 5 94591 86760 85007 55087 96538 916 5 00000

9903 kHz, 06-09, 0938 UTC, LSB, i.p.

357 18430 215 8 90180 19164 53950 38189 69998 46295 42791 45071 215 8 00000

10992 kHz, 06-09, 1409 UTC, LSB

724 724 724 18430 (R4m) 215 8 90180 19164 53950 38189 69998 46295 42791 45071 215 8 00000

10411/9157 kHz, 06-09, 1625/1634 UTC, LSB

329 843 24

58088 17734 51795 92239 67943 01909 31708 23364 86395 66538

65073 54249 02348 51116 15869 50594 37759 96605 10783 82148

30170 27440 22940 14588

843 24 00000

recording: <http://priyom.org/media/173866/s06s-9157lsb-20160906-1634z-test-byparkeerwacht.ogg>

10291 kHz, 07-09, 1224/1229 UTC

263 31578 631 29

21599 59363 02348 65073 55049 04990 37260 82088 30170 93180

80023 66850 81980 16905 57279 13863 86840 38058 13139 09754

81452 38730 24075 19320 72909 27594 11466 66538 91333

631 29 00000

10332 kHz, 07-09, 0948 UTC, i.p.

59363 66850 24075 80023 82088 19320 16905 27594

296 15 00000

10389 kHz, 07-09, 1330 UTC

450 297 13

26324 57256 65642 28310 82519 87955 05223 57975 47482 73311

30248 70915 17770

297 13 00000

9082 kHz, 08-09, 0810 UTC, LSB

143 351 12

38730 81980 91333 13139 72909 09754 13863 06242 04990 86840

37260 38058

351 12 00000

10603 kHz, 08-09, 0820 UTC, LSB

168 351 12
38730 81980 91333 13139 72909 09754 13863 06242 04990 86840
37260 38058
351 12 00000

10389 kHz, 14-09, 1330 UTC, USB

450 78752 00000

10447 kHz, 08-09, 1315 UTC, USB

818 851 33
87417 66891 40768 46434 82699 35401 37744 64551 62289 06511
07398 07533 07904 87259 53525 19851 35610 53708 67594 52260
78993 31446 98241 28454 42764 05368 58590 80560 11364 87411
23158 55375 19969
851 33 00000

5126 kHz, 11-09, 1122 UTC

472 625 22
96605 37759 50594 15869 51116 57279 65073 66538 02348 82148
10783 22940 14588 76334 17365 04160 35713 63652 93180 20536
01720 89758
625 22 00000

10992 kHz, 13-09, 0925 UTC, LSB

724 313 3 30269 54120 95686 313 3 00000

9903 kHz, 13-09, 0935 UTC, LSB

357 313 3 30269 54120 95686 313 3 00000

9044 kHz, 14-09, 1634 kHz, USB, i.p., just got the end

... 000

10447 kHz, 15-09, 1515 UTC, USB

818 818 818 00000

9101 kHz, 15-09, 1523 UTC, USB

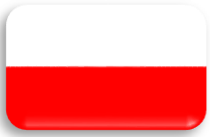
925 925 925 00000

10411 kHz, 16-09, 1620 UTC, LSB

307 307 307 00000

9157 kHz, 16-09, 1629 UTC, LSB

329 329 329 00000



S11a

16112 kHz, 05-09, 1015 UTC

470/38 Vnmaniye

69978 75742 88731 35865 46136 39988 15985 71098 11572 94719
18141 72857 08131 31993 78799 39224 29325 93229 24069 40698
59790 74031 52837 90285 78326 98328 96140 32233 15559 63689
38126 30981 04749 88391 79329 71323 68174 42333

Vnmaniye, rpt msg, konets

10800 kHz, 10-09, 1540 UTC

565/33 Vnmaniye

54173 50236 18255 49577 17265 65046 95022 28673 98774 34799
25691 45743 50330 72025 20892 08703 43675 61460 99563 93847
75080 57615 92258 55042 61482 10321 01591 57395 04729 21790
34327 30993 04335

Vnmaniye, rpt msg, konets

5358 kHz, 20-09/23-09, 0455 UTC

326/36 Vnmaniye

59352 93410 93767 86806 44566 87821 37075 28428 36966 45707
85152 19705 77615 82454 29215 95919 06062 56238 61192 41793
16546 31805 23430 89913 74173 24655 33643 85385 63716 62641
89519 01331 40694 48372 39999 94435

Vnmaniye, rpt msg, konets

9960 kHz, 20-09/23-09, 1020 UTC

429/36 Vnmaniye

26357 43556 93811 33243 24303 83762 91519 34554 06369 15984
82390 49862 24509 65676 34526 02776 89198 08462 84500 99861
24225 32106 93116 72410 47100 47663 24665 29997 61423 68811
40050 63242 97728 98737 91246 27193

Vnmaniye, rpt msg, konets

7317 kHz, 27-09/30-09, 0915 UTC

481/33 Vnmaniye

54012 17627 48386 07684 02298 78329 04623 02525 95594 17694
90029 14965 84921 21485 13936 06305 17522 20034 47125 57921
30485 80298 24516 20646 33742 93051 46690 89399 40542 84192
33137 79079 78736

Vnmaniye, rpt msg, konets



S28 - The Buzzer

Mode: USB

Frequency: 3216 & 4625 kHz

12-09, 0827 UTC	ZhUOZ 99007 IROFON 19885197
12-09, 0825 UTC	ZhUOZ 39101 VYaZNIKOV 22829382
12-09, 1021 UTC	ZhUOZ 26066 AZhUROLOS' 50567569
16-09, 1737 UTC	ZhUOZ 54046 ZEMLEVED 40975573
21-09, 1736 UTC	ZhUOZ 88982 VIZGOFTOR 77194842
21-09, 1631 UTC	ZhUOZ 28178 BOSSOBUK 34495582



S30 - The Pip

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

Edd found S30 on 6922 kHz on 08-09. Nice catch Edd

6922 kHz, 08-09

0438 UTC 1 2 3 4 5 6 7 8 9 10 priyom
0444 UTC 8S1S KOTOTOST 142 Moskovskoe vremja priyom
0451 UTC Dlja: TUZR 8MUO GLAVKOM. Vremja moskovskoe priyom
0504 UTC Dlja: TUZR 8MUO KORZINKA 346. Vremja moskovskoe priyom
0505 UTC Dlja: TUZR ARAKOL'EŽ 460. Vremja moskovskoe priyom.
0507 UTC Dlja: 8MUO BRIOLIN 121. Vremja moskovskoe priyom.
0509 UTC 8S1S MIROPUT' 344. Vremja moskovskoe priyom
0511 UTC 8S1S 95 055 NILOFANT 1941 4169. Vremja moskovskoe priyom
0513 UTC 8S1S GIPERBOLA 188. Vremja moskovskoe priyom
0513 UTC 8S1S ASVELIT 521 Otstavit'! Male voice: KONSTANTIN
0516 UTC 8S1S KASVELIT 521 Vremja moskovskoe priyom

3756 kHz, 07-09, 1652 UTC V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ 27Shch'
3756 kHz, 10-09, 1817 UTC Message



S32 - Squeaky Wheel

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

3828 kHz, 06-09, 1819 UTC STAZhER-29 STOROZh-62 YaHTA-94 RUZh'E-26 ROSA-64 KOVBOJ-39 LANDYSh-74 KURGAN-40
NYeVKA-26 ZASLONKA-27
3828 kHz, 09-09, 1756 UTC PYeSOChNYJ-21 BIZON-64 OTPOR-89 STUPA-32 FONTAN-34 LANDYSh-74 KOVBOJ-39
Error in reading
3828 kHz, 09-09, 1708 UTC STOROZh-62 BIZON-64 UTyoS-94 STAZhER-29 RYeZINA-38



S5292

Frequencies: 5252 kHz USB

Late reports from August.

01-08, 0753 UTC FAZAN-37 45763 LUCHINA 36379543. Count before the message
01-08, 0737 UTC RYeGATA-75 SYeKRYeT-39 13352 PRYZhOK 27568753. Count before the message, female voice in the background
01-08, 0328 UTC FAZAN-37 LYeSOPYeG 72 36. Count before the message. Same as S28 at 0300 UTC, but with P instead of B (LESOPEG instead of LESOBEG)



S6930

Frequency: 6930 kHz
Mode: USB

Copied by Benka. Nice catch !

6930 kHz, 12-09, 0947 UTC Kobra 14, ja Gorka 54 priyom.
Gorka 54, ja Kobra 14 priyom.
Kobra 14, ja Gorka 54 priyom

6930 kHz, 12-09, 0948 UTC Kobra 14, ja Gorka 54.
Polucaju vas na horošo. Kak vy menja? priyom.
na 2 balla. Kak slyšno? priyom.
Kobra 14, ja Gorka 54. Vas prinjala priyom



V13 - New Star Broadcasting Station

星星廣播電台 Xīngxīng guǎngbò diàntái

Current 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
15250 kHz New Star Broadcasting #4 0500 UTC new sked
15250 kHz New Star Broadcasting #4 0600 UTC new sked
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



V15

Via Radio Pyongyang

The revived V15 service uses the following format:

The transmission begins with the song "기쁨의 노래안고 함께 가리라 "(Gippeum-ui Nolaengo Hamkke Galila - We will go together with a song of joy)

Then the announcements start:

지금부터 27 호 탐사대원들을 위한 원격교육대학 정보기술기초 복습과제를 알려드리겠습니다.

We will now inform research agent #27 about the review subject of the Remote Teacher's College of Information Technology.

문제를 부르겠습니다.

We will call the issue

Followed by the message consisting of pages and numbers ~페이지 ~번 '입니다 (the page is ... no...)

3250//3320//6400 kHz, 15-09/29-09, 1615 UTC

Song “Gippeum-ui Nolaengo Hamkke Galila” (We will go together with a song of joy) followed by the announcement “We will now inform research agent #27 about the review subject of the Remote Teacher’s College of Information Technology” and messages in Korean.

Translation by Moomin999 and Sys. You can find the recording on the N&O website.

Text in Korean:

지금부터 27 호 탐사대원을 위한 원격교육대학 과학복습과제를 알려드리겠습니다.
문제를 부르겠습니다.

774 페이지 79 번	422 페이지 18 번	774 페이지 79 번	422 페이지 18 번
326 페이지 2 번	299 페이지 62 번	326 페이지 2 번	299 페이지 62 번
258 페이지 12 번	97 페이지 81 번	258 페이지 12 번	97 페이지 81 번
741 페이지 58 번	212 페이지 2 번	741 페이지 58 번	212 페이지 2 번
419 페이지 50 번	392 페이지 12 번	419 페이지 50 번	392 페이지 12 번
687 페이지 84 번	863 페이지 19 번	687 페이지 84 번	863 페이지 19 번
900 페이지 40 번	923 페이지 8 번	900 페이지 40 번	923 페이지 8 번
187 페이지 38 번	561 페이지 96 번	187 페이지 38 번	561 페이지 96 번
905 페이지 45 번	533 페이지 83 번	905 페이지 45 번	533 페이지 83 번
813 페이지 48 번	429 페이지 60 번	813 페이지 48 번	429 페이지 60 번
432 페이지 6 번	201 페이지 60 번	432 페이지 6 번	201 페이지 60 번
672 페이지 55 번	299 페이지 18 번	672 페이지 55 번	299 페이지 18 번
894 페이지 79 번	853 페이지 99 번 입니다. 다시 부르겠습니다.	894 페이지 79 번	853 페이지 99 번 입니다. 이상입니다.
932 페이지 48 번		932 페이지 48 번	

Translation:

We will now inform research agent #27 about the review subject of the Remote Teacher’s College of Information Technology.
We will call the issues.

Page 774, No. 79	Page 299, No. 62	Page 774, No. 79	Page 299, No. 62
Page 326, No. 2	Page 97, No. 81	Page 326, No. 2	Page 97, No. 81
Page 258, No. 12	Page 212, No. 2	Page 258, No. 12	Page 212, No. 2
Page 741, No. 58	Page 392, No. 12	Page 741, No. 58	Page 392, No. 12
Page 419, No. 50	Page 863, No. 19	Page 419, No. 50	Page 863, No. 19
Page 687, No. 84	Page 923, No. 8	Page 687, No. 84	Page 923, No. 8
Page 900, No. 40	Page 561, No. 96	Page 900, No. 40	Page 561, No. 96
Page 187, No. 38	Page 533, No. 83	Page 187, No. 38	Page 533, No. 83
Page 905, No. 45	Page 429, No. 60	Page 905, No. 45	Page 429, No. 60
Page 813, No. 48	Page 201, No. 60	Page 813, No. 48	Page 201, No. 60
Page 432, No. 6	Page 299, No. 18	Page 432, No. 6	Page 299, No. 18
Page 672, No. 55	Page 853, No. 99 are	Page 672, No. 55	Page 853, No. 99 are
Page 894, No. 79		Page 894, No. 79	That's all.
Page 932, No. 48	We will call the issues	Page 932, No. 48	
Page 422, No. 18	again.	Page 422, No. 18	

After that Radio Pyongyang resumed its usual programs.



V24

V24 schedules, compiled by Token

http://www.tokenradio.net/Radio/SharedFiles/NumbersTfer/V24_M94_latest_sched.JPG

V24 Schedule, third quarter, 2016

V24 Schedule Version 13.0, Token

Day	1300	1330	1400	1430	1500	1530	1600	1630
1						6310		
2								
3				5290		6310		
4								
5				5290	6215 !			
6								
7					6215 !			
8								
9								
10								
11						6310		
12								
13				5290		6310		
14								
15				5290	6215 !		5900*	
16								
17					6215 !			
18							5900*	
19					5715			
20								
21					5715			
22							5900*	
23								
24								
25							5900*	
26					5715			
27								
28					5715			
29								
30								
31								

Based on observations form April, 2016, to 6 September, 2016.

! The 1500 UTC transmission on 5, 7, 15, and 17, of each months on 6215 kHz have not been observed for the last two months. This long used V24 frequency may be inactive.

* May not transmit, 1600 UTC time slot somewhat less regular than other time periods.

Transmit site potentially identified as Gongneung, Seoul, South Korea, 37.638548, 127.110523



VC01 - Chinese Robot Chinese Air Defense

Modes: USB and LSB voice

3537 kHz, 18-09, 1905 UTC, Chinese Robot

MORSE STATIONS



M01

6260 kHz, 03-09, 1500 UTC

463 193 30 =

98541 71526 54541 84958 21656 64841 16498 11515 49851 61956
54511 54969 60235 00055 46256 62156 08989 58956 16567 04566
03123 01635 89854 15665 16664 06167 21650 21653 89712 09711
000



M01a

We have a very nice collection of M01a logs this month, thanks to André and Benka.

2403 kHz, 07-09, 0211 UTC

527 527 527 297 72
527 527 527 040 02
527 527 527 290 48
527 527 527 294 24
527 527 527 295 33

9411 kHz, 13-09, 0532 UTC

751 751 751 962 17
751 751 751 978 37

3794 kHz, 13-09, 1719 UTC

264 264 264 330 19

2698 kHz, 13-09, 2121 UTC

103 103 103 10843 10843
103 1 04002 04002 04001
103 111 000

3978 kHz, 14-09, 0534 UTC

362 362 362 971 78
362 362 362 914 03

4508 kHz, 16-09, 1705 UTC

343 343 343 94420 94420
343 343 343 42094 42094
343 343 343 40301 40301
343 343 343 40301 40301
343 343 343 40301 40301
343 343 343 40301 40301
343 343 343 40301 40301
343 343 343 40301
343 343 343 40301
000

3768 kHz, 14-09, 1719 UTC

842 842 842 841 40
842 842 842 04001
842 842 842 111 000
842 842 842 861 42

3233 kHz, 15-09, 1731 UTC

490 490 490 771 49
333 772 11 333 772 11
490 490 490 772 11
490 490 490 774 11
490 490 490 785 23

3205 kHz, 17-09, 1724 UTC, i.p.

333 39
 333 40
 333 42
 333 42
 333 43
 333 43
 333 45
 333 47
 333 48
 333 49
 333 51
 333 52
 333 63
 333 63
 333 64
 333 64
 333 65
 333 66
 333 67
 333 68
 333 71
 111 000

3205 kHz, 17-09, 1800 UTC

712 712 712 338 32
 333 01
 333 02
 333 04

4608 kHz, 19-09, 0644 UTC

658 658 658 098 65
 333 03
 333 00
 111 000

3394 kHz, 19-09, 1401 UTC

403 403 403 525 83

3829 kHz, 19-09, 1406 UTC

365 365 365 685 57
 365 365 365 685 69
 111 000

4495 kHz, 19-09, 1419 UTC

924 924 924 215 32
 924 924 924 215 32
 111 000

4367 kHz, 19-09, 1443 UTC

718 718 718 118 63
 718 718 718 118 63
 718 718 718 129 43
 111 000

6425 kHz, 20-09, 1417 UTC

333 346 62
 118 118 118 333 346 62
 118 118 118 333 327 07
 118 118 118 333 334 07

6425 kHz, 20-09, 1424 UTC

118 333 33407

5170 kHz, 20-09, 1532 UTC

111 999 12790
 111 999 935 43 =
 65815 40548 92512 88073 46060 16963 91751 50724 98654 78511
 80996 47729 30864 24056 27809 70814 42189 46749 93645 74718
 10204 89999 88696 66375 54962 55292 24004 34260 23527 99580
 55265 27619 79381 95556 29628 19893 93423 03660 36404 25469
 62031 59405 38523 =
 935 43 111 000

5268 kHz, 20-09, 1540 UTC

556 556 556 409 50
 333 407 50
 333 403 50
 333 415 50
 333 421 79
 333 423 83
 111 000

5268 kHz, 20-09, 1558 UTC

333 41550
 333 42179
 333 42383
 111 000

3340 kHz, 20-09, 1711 UTC

00280 16462
 00280 14707
 111 999
 111 999
 205 27 =
 17857 41859 75388 31896 43338 60488 89776 43030 92540 59469
 22477 54812 89368 02105 11085 06462 58628 47240 62990 81311
 03403 91969 33805 66400 46267 56987 28299 =
 205 27
 00280 18005

4184 kHz, 20-09, 1805 UTC

40272
 333 40062
 333 40182
 040 03 459
 111 000

4027 kHz, 20-09, 2011 UTC

221 24383 111 000

4273 kHz, 21-09, 0509 UTC

5FG message i.p. =

094 53

111 999

088 67 = 81704 51038 37582 ... = 088 67

111 000

5936 kHz, 21-09, 0911 UTC, i.p.

111 999

583 46 = 88839 34778 05966 98006 40432 ... = 583 46

111 000

5836 kHz, 21-09, 0919 UTC

673 673 673

111 040 02

673 673 673 111 960 07

111 960 07

111

333 959 37

111 040 02

673 673 673 111 000

4871 kHz, 22-09, 0829 UTC

459 4 59

111 000

5836 kHz, 22-09, 0803 UTC

673 673 673 955 03

111 22

5860 kHz, 22-09, 0803 UTC

5FG message i.p.= 246 70

111 333 = 67748 70285 85981 36438 ... =

111 333 65 = 76310

111 000 22

4808 kHz, 26-09, 1426 UTC, i.p.

= 463 155 111 = 712 59 111 000

4629 kHz, 27-09, 1221 UTC

333 18

333 19

333 19

4956 kHz, 27-09, 1234 UTC

702 702 702 577 34

822 20 = 5FGs = 822 20 =

111 333 000

4896 kHz, 27-09, 1251 UTC

716 716 716 20

111 000

4833 kHz, 27-09, 1300 UTC

964 964 964 393 34

111 999

712 20 = 6515

4458 kHz, 27-09, 1401 UTC

333 905

333 905 339

119 30 = 77121 46305 ...

4830 kHz, 27-09, 1404 UTC

145 145 145 734 36

2055 kHz, 27-09, 1702 UTC

111 159 20 = 5FGs = 159 20 =

111 999

214 20 = 62670 20716 ... = 214 20

111 000

2030 kHz, 27-09, 1715 UTC

298 298 298 957 30

298 298 298 957 30

2064 kHz, 27-09, 1729 UTC

333 919

333 9

333 20

333 20 29462 45112 ... = 386 20

111 =

451 17

333 111 =

501 18

111 999

222 226 20 = 80799 95775 ... = 226 20

333 111 =

450 21 111 =

408 26 111 =

870 84

111 999

628 20 = 14407 74996 ... = 628 20

111 000



M01b

3520//4585 kHz, 09-09, 2009 UTC

3625//4940 kHz, 30-09, 1902 UTC

582 715 33 = =

51536 13409 98940 26245 84210 56387 33787 86848 47478 47608

25201 22423 40241 54235 49852 91422 48421 94013 57124 35635

77582 58938 24255 99224 33010 16143 87241 57409 58695 22042

47719 89594 82028 = =

715 33 000



M12

Token posted the latest version of the Asian M12 schedules. Check his website for updates :

http://www.tokenradio.net/Radio/SharedFiles/NumbersTfer/M12_TT_Pacific_latest_sched.JPG

Asiatic Tues and Thur M12 Schedule Version 11.1, by Token

Chart based on observations up to 6 September, 2016.

Station transmits each Tuesday and Thursday morning, times as listed.

Transmissions are ICW, frequency listed is carrier frequency.

Time UTC	January 435	February 792	March 435	April 262	May 112	June 112	July 562	August 112	September 932	October 943	November 792	December 435
0100	14493	14793								15903	14793	14493
0120	13393	13903								14493	13903	13393
0140	11593	12203								13393	12203	11593?
0300			14493						13903			
0320			13393						13393			
0340			11593						12203?			
0500				12203	12193			12193				
0520				10693	11103			11103				
0540				9293	10293			10293				
0700						12193	11593					
0720						11103	10693					
0740						10293	9293					

Pacific area observed M12 schedule, Asiatic Russia or Kamchatka possible source based on HFDF and propagation modeling.

Western US, Canada, Central America receive a good signal, parts of Asia also.

Propagation modeling and use of down stepping frequencies might suggest US / Canada / Central America as the target area.

Station transmitter sometimes comes on frequency being tuned up with broadcast audio in the background, as is seen occasionally on Asiatic V07 and Asiatic Wed / Sat M12. This can happen as early as 50 minutes before scheduled transmission time.

Token

10343/9264/8116 kHz, 02-09, 1200/1220/1240 UTC

124 124 124 1 (R) 5210 52 5210 52
33594 82965 34971 32586 17934 97063 63718 86046 29641 98544
53241 76317 43533 12200 99165 58378 08602 33033 71696 94917
48729 81952 23476 70149 35206 12737 61465 76620 57576 63224
06882 23848 01654 56603 64396 43472 26190 72470 96961 02245
17177 72609 08283 70284 70180 04515 12078 62750 99566 52246
36712 24769
000 000

8053/9178/10287 kHz, 06-09, 0800/0820/0840 UTC

816 816 816 1 1055 53 1055 53
63916 22245 75888 48389 24103 04766 74306 24020 45435 85331
65557 66438 83161 03962 25827 76240 54054 35844 15337 55246
03820 98105 90779 86216 03075 03782 74583 97846 85494 11787
91426 49012 90271 61962 03701 58055 43802 82651 93082 89034
97527 44824 46227 93727 60166 20228 15867 10664 35214 50541
58619 57517 92344
000 000

8176 kHz, 10-09, 0500 UTC

134 134 134 1 (R) 1881 127 1881 127
48120 29792 82268 26326 88203 01627 47674 31120 40478 03993
98749 91198 86182 56144 80877 19111 38652 81716 66086 08446
93977 54263 44083 50619 65728 18051 58169 46313 42510 46856
10065 97261 73704 74064 42516 15073 48854 34257 19929 12648
31764 55471 05891 81103 12115 26359 73848 46617 63743 61663
35264 90440 04066 54579 48065 39843 19457 35886 78702 40768
30224 48074 37575 40095 28298 71445 67143 08733 32313 17877
21809 00324 86133 21900 88440 51322 16581 40527 35866 72251
71779 07890 72376 68468 31096 19237 04269 97358 91449 91122
48629 85734 77560 18823 49831 86924 26093 80072 14681 72818
52116 23407 24413 79608 68029 19812 76933 89357 66150 06764
67943 65449 78330 93497 86175 63475 25136 81573 37242 19724
55020 39091 02754 73746 19803 32710 05972
000 000

8053/9178/10287 kHz, 13-09, 0800/0820/0840 UTC

816 816 816 816 1 7404 67 7404 67
95233 94779 82795 03862 69881 54046 67107 36676 64254 95211
20640 96929 29836 72659 93964 15943 78637 46026 41967 90609
92111 66837 24208 68816 49007 88119 46758 25447 47170 63238
97950 74517 47227 67904 40510 87335 63337 38742 76812 26482
40579 86679 58677 30755 51880 70317 20762 22972 71851 61085
90330 31176 39103 74453 57103 23652 08158 37395 20604 29240
91282 36286 13008 28526 97103 00107 70201
000 000

16348 kHz, 14-09, 1400 UTC

384 384 384 1 (R) 1836 59 1836 59
09562 34134 89304 77749 57803 16224 66769 85222 61541 40980
87997 77673 81230 66609 88888 75393 95940 43719 57951 07333
73599 76155 48918 52125 56819 32848 07514 42793 06405 24628
05937 71740 16292 04175 12182 03919 84361 56388 29234 95987
96163 84142 85344 17168 60769 30513 15532 50402 52050 77361
79962 62430 32378 50826 62602 16277 42634 00569 95746
000 000

13873 kHz, 15-09, 1310 UTC

834 834 834 1 4658 133 4658 133
57427 12742 69171 77386 70624 18758 02252 04003 50447 87761
18915 39728 70799 64271 65214 48807 86012 04241 80202 44929
60794 34007 29438 25692 73001 88084 05467 56439 13920 78229
09123 60519 36339 40446 30127 31699 07024 68064 19470 44041
20311 81416 81727 86964 96441 73655 87794 25221 73898 14921
46069 34212 91497 59862 90830 00906 29242 29054 34633 94275
32862 12029 10602 16575 88695 09813 43406 87766 34085 35702
48081 02175 58424 21008 80943 95152 70329 37112 51215 54436
77171 70687 10175 32698 34723 57743 43216 11754 68719 55702
18653 41535 66464 93629 14294 97241 86747 43666 07614 27575
28119 24246 11001 38257 53978 74566 01113 48007 01666 97118
30729 95703 20837 90906 75116 18046 83944 55613 25010 21871
81161 21449 75877 51854 64959 30486 59775 71214 31077 80683
24697 65963 48308
000 000

10343/9264/8116 kHz, 16-09, 1200/1220/1240 UTC

124 124 124 1 (R) 2212 52 2212 52
70305 56136 12656 97042 56359 77566 88298 04406 40885 00633
15041 79268 99233 21543 36042 29584 81596 27522 16921 08167
53583 34434 74517 24087 47325 09410 21193 92085 45684 99437
55769 35243 16529 93055 56266 88626 83857 80806 02368 69518
21461 20355 42041 09429 97152 38534 02920 81264 49545 07642
69968 23638
000 000

8053/9178/10287 kHz, 20-09, 0800/0820/0840 UTC

816 816 816 1 9871 62 9871 62
81732 84083 01969 09227 84082 69794 09953 32752 62185 24322
17818 02653 81101 50671 54374 55433 92055 32542 39347 75569
77840 93381 45329 25116 46447 79418 70490 20191 75712 93072
63102 08511 10954 53436 70458 45565 14369 75573 30645 15589
23729 08560 18841 17753 10419 61978 56350 11349 97796 11161
67003 13581 62646 33616 41836 12802 88482 31200 82999 82090
02554 69368
000 000

16348 kHz, 21-09, 1400 UTC

384 384 384 1 1410 81 1410 81
53723 45260 19517 65783 42311 48602 07540 90604 76489 77546
70274 73756 58819 56746 70070 12043 20913 80845 72701 95597
00004 65811 70737 90595 45149 20185 28555 36681 01878 06166
25147 41078 23911 45048 54710 35065 00803 01018 80854 81392
51356 73841 17844 77228 79673 15367 33056 60692 35560 02943
76332 25194 02737 82510 84765 64083 74421 99780 02486 43503
75378 67976 31946 40544 62917 07646 34464 37231 69279 49554
37066 57314 88725 26056 37713 18119 28791 98702 69628 33364
45973
000 000

10343/9264/8116 kHz, 23-09, 1200/1220/1240 UTC

124 124 124 1 6669 62 6669 62
58403 56933 87608 39276 50046 50939 70559 01975 90717 15289
41122 71464 19189 29046 73219 32354 64032 93700 00266 78876
31693 51008 16727 81821 96320 78554 87534 36373 47963 18188
70518 37620 32999 70896 88731 56329 56646 74485 65832 21473
46070 30450 82399 74276 04459 57250 81317 40476 98780 79798
62883 48769 56593 34259 86481 72084 12224 46359 01336 92736
20729 64709
000 000

8053/9178/10287 kHz, 27-09, 0800/0820/0840 UTC

816 816 816 1 3960 61 3960 61
68723 91441 80803 97393 21768 91703 37872 75875 18520 65131
97348 24758 37007 14757 02927 68865 82068 55213 17995 62911
58172 23471 54036 95617 74620 20513 91915 58941 97108 59504
21653 96003 33222 52092 55432 83302 36814 38862 71445 35520
62745 10413 31275 68869 76658 20515 17853 49393 12850 21173
33674 41850 01835 93115 41747 94123 94145 28137 65430 11621
78403
000 000

10343/9264/8116 kHz, 30-09, 1200/1220/1240 UTC

124 124 124 1 (R) 5994 64 5994 64
97117 61009 72268 65711 17227 57817 15225 24774 72548 62035
58256 99337 90007 47561 83912 58471 97890 68339 21486 10044
55262 53741 45348 56237 86875 05416 43514 10489 62791 39283
99163 44935 97477 84251 60115 83449 80362 43732 00306 70224
50577 85827 65599 38825 63543 11113 63539 77738 64161 53657
67871 60634 37264 21217 47023 75334 88285 44925 48533 09364
81702 42036 45580 44193
000 000



M14

9075 kHz, 20-09, 1305 UTC, i.p.

..520 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 36531 68052 81481 98753 15846 80489 52186 40870 99381
12831 36721 25244 67532 73955 89025 44296 71051 35871 35324
35081 99871 46548 82053 37676 68812 27235 = =
612 57 00000

5430/5560 kHz, 24-09, 0800/0900 UTC

171 490 91

52378 90126 42876 19097 06132 72691 48071 25375 61608 72421
 83606 51026 83528 91905 82231 63881 92244 05190 63217 66747
 98414 20204 53261 74194 52781 84390 71515 45020 75229 83129
 62467 84309 85561 29900 06718 53771 28431 53908 61234 43910
 63598 61734 83264 61905 72426 76149 62527 79010 63381 19427
 63841 53991 73062 20719 63735 64490 26173 45590 80961 30352
 53125 56123 87610 85171 31010 53430 80127 63530 70771 10323
 73630 19372 53610 87031 52890 63781 32084 52100 00340 62721
 52400 62826 61120 54622 71060 64991 24051 00647 73809 62841
 32465
 490 91 00000

9075 kHz, 27-09, 1300 UTC

089 537 61 =

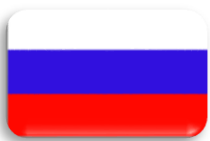
49893 22658 37358 36739 45603 87420 97611 47079 76926 13554
 32793 30239 52328 05276 48443 11162 57724 73184 77703 31321
 54271 66993 63737 54554 76266 08748 44586 85096 90074 31226
 63899 15011 00033 51198 55995 43202 12257 32240 78662 33197
 92309 16777 92158 01885 77638 32067 07836 56400 30747 99782
 54839 21338 44021 03903 38295 23491 32158 96593 87459 26288
 73122
 537 61 00000

5463 kHz, 28-09, 1929 UTC.

537 518 86

32498 53900 12865 21208 51810 31717 42954 41665 86113 42421
 98900 84532 42814 26690 00343 51926 33664 76712 81624 58500
 54119 10200 37901 42338 15271 63498 61772 54718 32991 84721
 36519 48264 33876 29237 50630 53732 11737 34890 24351 27136
 54373 29890 80740 30012 45123 54819 90601 25934 27579 41734
 53890 72189 41612 91078 01276 53890 03048 42518 53900 02561
 53718 59341 47816 89162 73349 64172 45161 83901 01561 73282
 52400 71098 58512 63901 02074 64570 29078 80829 52727 87241
 53712 63490 82310 20943 57286 61220
 518 86 00000

Note: Late start. Should have started at 1920 UTC. Carrier till 1929 UTC, then into traffic.

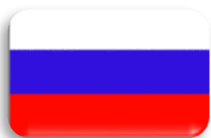


M21 + variants
Russian Air Defence Forces
Во́йска ПВО Во́йска ПВО

3228.5 kHz, 07-09, 0245 UTC	=990547???0???? =990548???0???? =990550???0???? =990551???0????
6427.5 kHz, 08-09, 0425 UTC	=9907027???0???? =9907028???0???? =9907029???0???? =9907030???0????
5201 kHz, 08-09, 1800 UTC	=992101???0???? =16504403045859 =16504403045859 =992103???0????
6231 kHz, 09-09, 0427 UTC	=990728???0???? =990729???0???? =990730???0???? =990731???0????
4362 kHz, 11-09, 1730 UTC	=992030?8???? =992031?8???? =992032?8???? =992033?8????
6911.5 kHz, 12-09, 0538 UTC	=990839?8???? =990840?8???? =990841?8???? =990842?8????
2658.5 kHz, 14-09, 1744 UTC	0097208335739 1002052511800
2738.5 kHz, 14-09, 1748 UTC	441929903 99069979882449 906997981446 9906997386748 990699738694
	990699738 990552009907 99052612152517 99077160511700
6911.5 kHz, 16-09, 0930 UTC	=991232?8???? =991233?8???? =991234?8???? =991235?8????
5852 kHz, 19-09, 0718 UTC	9500 99758 3219 9500 997085520 1929500 1020 K
4628 kHz 18-09, 1718 UTC	=992019?8???? =992020?8???? =992021?8???? =992022? 8????

5851 kHz, 21-09, 0902 UTC
 5852 kHz, 21-09, 0902 UTC
 4635.5 kHz, 21-09, 1309 UTC
 4639.5 kHz, 23-09, 1428 UTC
 2568.5 kHz, 23-09, 1712 UTC
 4336 kHz, 27-09, 0705 UTC
 3536 kHz, 29-09, 1534 UTC
 3229 kHz, 29-09, 1832 UTC

951995524904 9512995524604 95269979736045179
 978099634531200 9780996943304 9780996943404 9780996961605
 9933 9969875109736 9960865109734 9965151109735996
 =991728??0????? =991729??0????? =991730??0????? =991731??0?????
 007709 96983391 002 00
 9500997087207 9500997088608 9500997088909
 =991834??0????? =991835??0?????
 =992133??0?????



M41

Russian Air Defence Forces

Во́йска ПВО Voyska PVO

6362 kHz, 07-09, 0430 UTC
 5793.5 kHz, 19-09, 0656 UTC
 5793.5 kHz, 19-09, 0629 UTC
 4635.5 kHz, 19-09, 1347 UTC

5L9I 5L9I 5L9I AR
 RCUP 19499609989 2171657204 9848 RPT 19499609989217165720480948 RCUP AR
 RCUP (repeated for 3 mins)
 N9SA 72219 49503 99731 7116173180 1641RPT 7221 94950 39973 17116 173180 1641
 N9SA K

4317.5 kHz, 17-09, 1520 UTC
 3383 kHz, 17-09, 1602 UTC
 5347 kHz, 20-09, 1318 UTC

i.p. 72180 1815 RPT 7221949503998595013...66 72180 1815 KA1S K
 ASEU ASEU AR
 i.p. 7221 949 704996 961322 881270 16 05 RPT 7221 949 704996 961322 881270 16
 05 3HZW K

6821.5 kHz, 20-09, 0929 UTC

i.p. 1772 4582 456 911 47 28 = 1772 4583 432 911 45 30 = 1772 4583 43691 152 32 =
 1772 4583 449 9313 =PWZW = 1772 4583 495911 15 36 = 1772 4583 463 911 62 38

5276.5 kHz, 20-09, 1510 UTC

i.p. 7228 01755 = 722194 9717 996 31511917 42 50 1757 RPT 722194 971699 6 97112
 87 22 80 1755 = 7221 94 9717 996 315119 174250 1757 ER3S K

5302.5 kHz, 20-09, 0503 UTC

009723993 98339100 0758511800 009721 99397599100 0058 511800

6821.5 kHz, 21-09, 0734 UTC

N9SA 722194970099694991915200900800 ...
 002900 4580 457 9110 33 = 2900 4582 438 91079 35 = 2900 4582 423 91088 37 =
 2900 4582439 91079 38 = 2900 4592 92190 40

4317.5 kHz, 24-09, 0913 UTC
 5793.5 kHz, 26-09, 0432 UTC
 4959 kHz, 26-09, 0534 UTC

7221 949825 9969476 1287 1030 1205 RPT 7221 AR AR
 RCUP RCUP AR
 99 99993368232 RCUP RCUP 99019998534990 ... RCUP RCUP



M89 - Chinese military

All transcripts logged by JPL. Thanks OM!.

New callsigns and frequency :

4045 kHz, 30-09, 1610 UTC: V NG3Y NG3Y NG3Y DE 2QLC 2QLC

5801//10180 kHz, 07-09, 1019 UTC, i.p.

CCK CK .99 21 0907 1810 RMKS 2093 TO 2220 2221 2217 2219 2143 2133 2130 21.. = =)

DADT 76U7 AN7D 5763 A765 N7TT 4NAT TU37 574N D54D N7TD 5U43 T7NU (Cont'd)

QSL ? HR WK NR 220

V DKG6 (x3) DE 3A7D (x2)

6636 kHz, 09-09, 1306 UTC, i.p.

AS
= 7U.5 D734 5A3D N4.7 D4A. NA.D U7T5 (Cont'd)
AS
= = = .UN5 DE = = =
4UN5 D74. 5A3D N..7 D4AU TA4D U7A5 3.5A 63NA (Cont'd)
AS
= T3AN 57T4 NU5D 73UA T653 5DA6 (Cont'd)

6792 kHz, 29-09, 0831 UTC, i.p.

R HR KPU K
VV CK1Y DE J5UX K
R QSA 2 K
R HR WK NR 3. K
R HR ... 28 K
R U 1730 COMM Q0P4 K
OK
R HR KPU K
QSA 2 K
R HR WK NR 35 K
R U 1730 COMM G.3X K
R HR KPU K
VV GM3X DE J5UX K
DE U...
QSA 2 K
R HR WK NR 3...
R U 1730 COMM M..M0 K
R R HR KP.. K
VV ... DE J..X K
R 4KMV DE .NSH HR QSA 2 QSA ? K
R QSA 2 K
R HR WK NR 45 K\
R HR WK NR 20 K
R U 1730 COMM F4NQ K
R R HR KPU K
R R HR KPU K
R
G0B DE J5UX K
R 4KMV DE 8KTR R QSA 2 QSA ? K
R QSA 2 K
R R HR WK NR ... K
R QSA EEE
R HR WK NR 42 K
R U 1730 COMM J1Z. K
R R HR KPU
R
VV
1QS DE J..X K
R 4. QSA 2 QSA ? K
R QSA 2 K
R HR WK NR 45 K
R U 1730 COMM ..06 K
R ...
R OK
VV J7MZ DE J5UX K
R KMV DE F8.. R QSA 2 QSA ? K
R QSA 2 K
R RH WK NR 45 K
R HR WK NR 29 K

R 1730 COMM F5.. K
KPU
OK
VV
R 4K.. DE ... R QSA .. (Fading badly now)
R QSA 2 K
R HR WK NR 35 K
R ...
HR .. K

3642 kHz, 29-09, 1840 UTC, i.p.

HR MSG GA 7G
NR 1.9/EX CK 99 19 0930 0240 RMKS 2093 TO 2013 2948 2019 2963 296 EEEE
RMKS 2094 TO 2013 2948 2019 2963 2962
NDND D7TU 46UA 4TA5 7A6. .73N A45N T645 3D.. 75DN (Cont'd)
AR

4045 kHz, 30-09, 1610 UTC

V NG3Y NG3Y NG3Y DE 2QLC 2QLC
MSG NR 121 CK 301 62 1001 0030 =
DADT 76U7 AN7D 5..3 A765 N7TT 3NAT TU37 TT7D TT35
T443 4AA6 5ADU (Cont'd) = AUDA AR
MSG NR 121 CK 301 62 1001 0030 =
DADT 76U7 AN7D 5763 A765 N7T. 3NAT TU37 TT7D TT35
T443 4.A6 5ADU N347 (Cont'd) = AUDA AR
VV A NG3Y V
DE NG3Y NG3Y NG3Y
VV A NG3Y V
DE NGEY V (roundslip messed up)
V NG3Y NG3Y NG3Y DE 2QLC 2QLC



M90

3316 kHz, 27-09, 0713 UTC, very weak

XVSQ wkg PBFJ, TBXE, MXP5, PJP6, TSXI
Comms checks + messages



M95

All transcripts and comments by JPL

8073 kHz, 01-09, 1139 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0724 CK 187 35 0901 1554 =
TT. 3A6 ..N .4U7 773 TA7 773 TAD 773 TAN 773 TUT 773 354 (Cont'd)

4243//9054 kHz, 01-09, 1153 UTC

V A HR 7G TOYR PSE CY
NR 0D3 CK 17 35 ONTA A5AA =
5TD UTT T.. 3U6 3A4 (Cont'd) AR (Normally does not use cut numbers in message header)
A HR 7G GA
NR NT CK 13A 35 ONTA A53N =
UTU TTA 3U. 3A4 TTU TT. 733 543 TT7 3N3 (Cont'd)
III (Changed operator - now sending fast)
AR
MSG AGN
NR 02 CK 131 35 0901 1539 =
U.. TTT 3U6 3A4 TTU 773 354 373 (Cont'd) AR
A HR MSG GA
NR 04 CK 22 35 0901 1650 =
UT5 TTA 3U6 3A4 TTA TTU TT3 773 353 (Cont'd) AR
7G AGN
NR 04 CK 23 35 0901 1650 =
UT5 TTA 3U6 3A4 TTA TTU TT3 773 353 (Cont'd) AR
A HR U SB WK

4243//9054 kHz, 02-09, 1150 UTC

VVV HR 7G TOYR PSE CY
NR 085 CK 19 35 0902 1522 =
5TD UTT TTU 3UN 3A4 353 4T. N3D 4TN U7U
N4A 444 3DA TTU TT3 773 435 3DU 4D3 AR
7G 7G AGN
NR 085 CK 19 35 0902 1522 =
5TD UTT TTU 3U6 3A4 353 4T3 N3D 4TN U7U
N4A 444 3DA TTU TT3 773 435 3DU 4D3 AR
A HR MSG GA
NR 04 CK 107 35 0902 1551 =
UTU TTU 3U6 3A4 TTU 773 354 373 N3D 353 (Cont'd) AR
A HR 7G GA
NR 007 CK 19 35 0902 1657 =
UT5 TTU 3U6 3A4 TTA TTU TT. 773 .57 75D
373 4.N 3D4 TN 445 4D6 N3D 4D3 3DA AR
7G AGN
NR 007 CK 19 35 0902 1657 BT
UT5 TTU 3U6 3A4 TTA TTU TT3 773 357 75D
373 4KN 3D4 .445 4D6 N3D 4D3 3DA AR
A HR U P SB AR AR

8073 kHz, 02-09, 1141 UTC

V BNGC (x3) DE XSV85 (x2)
HG MSG GA PSE CY
NR 0726 CK 240 35 0902 1534 =
TTU 3U6 3AN 3U7 TAU 773 TAN 773 TUT 773 354 374 (Cont'd)

5555 kHz, 03-09, 1225 UTC

VVV BGB
VA VVV GB
PN
LL
R R
DE 3CFB R
OK
05 05 (Long zeros)
7TW 4A6T57.. (Cont'd)
05 05 05
..6..AT..

05 05 05
50
R GT RPT RPT RPT RPT RPT RPT RPT RPT RPT RPT RPT RPT RPT RPT
IEC = III III
III RPT RPT
RPT RPT SR N ISG QSA ?
ISG 2

5555 kHz, 03-09, 1512 UTC

UIMA6DN.. A4T. D77.4A (Groups run together)
AGN K
VVV
BT 644G D.....

4243//9054 kHz, 04-09, 1149 UTC

V HR 7G TOYR PSE CY
NR 089 CK 20 35 0904 1514 =
5TD UTT TT4 3U6 3A4 353 36T 4T5 N36 4TN
U7U N4A 444 3DA TTU TT3 773 435 3DU 4DD AR
7G AGN
NR 089 CK 20 35 0904 1514 =
5TD UTT TT4 3U6 3A4 353 36T 4T5 N36 4TN
U7U N4A 444 3DA TTU TT3 773 435 3DU 4DD AR
A HR 7GGA
NR 08 CK 125 35 0904 1555 =
UTU TT4 3U6 3A4 TTU 773 357 373 4TN NAT (Cont'd) AR
GA AGN GA AGN
NR 08 CK 125 35 0904 1555 =

8073 kHz, 04-09, 1137 UTC

V BNGC (x3) DE XSV85 (x2)
A HR MSG GA PSE CY
NR 0730 CK .1. 35 0904 .607 =
TT4 3U6 3AN (Cont'd)

4283 kHz, 07-09, 1001 UTC

4D6 75D 4D3 3DU TTN 773 354 U46
III 75D 4D3 3DU TA3 773 354 U46 (Cont'd)
ZNN

8073 kHz, 07-09, 0009 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0735 CK 101 35 0907 0654 =
TTU 3U4 3A4 TAU 773 353 4AA NN3 (Cont'd) AR AR
12 WK 0

9054 kHz, 07-09, 2348 UTC

VVV HR MSG TOYR PSE CY
NR 023 CK 17 35 0908 0624 =
UT5 TTD 3U4 3A4 TTT TTU TT3 773 35. D..
353 37U 36U 4AA 445 4D4 3DA AR
MSG AGN
NR 023 CK 17 35 0908 0624 =
UT5 TTD 3U4 3A4 TTA TTU TT3 773 35U DN7
353 3 36U 4AA 445 4D4 3DA AR
A HR MSG GA
NR 096 CK 19 35 0908 0647 =
5TD UTT TTD 3U4 .A4 353 4A5 N3D 4TN U7U
N4A 434 3DA TTU TT3 773 446 3DU 4D3 AR

MSG AGN

NR 096 CK 19 35 0908 0647 =

5TD UTT TTD 3U4 3A4 353 4A5 N3D 4TN U7U

N4A 434 3DA TTU TT3 773 446 3DU 4D3 AR

5555 kHz, 08-09, 1115 UTC

V BNGC (x3) DE XSV85 (x2)

MSG NR 3401 CK 300 49 0906 0700 RMKS 1834 TO 3965 =

65UN 5U44 U345 N6A4 T46D UNDT 7TAN 647A 7D53 7ATD (Cont'd)

Note: Station in voice also on this frequency - USB - Male - Chinese - Possibly V26. Stops at 1121z

The number after the group count is normally 35 - First time I've noticed the use of 49 vice 35

8073 kHz, 08-09, 0010 UTC

V BNGC (x3) DE XSV85 (x2)

TUU 773 TU4 773 353 37U 4AA NN3

AR

7G AGN

NR 0737 CK 104 35 0908 0706 =

TTD 3U4 3A4 TAU 773 357 373 4T7 NN3 445 3DU (Cont'd) AR

8073 kHz, 08-09, 1137 UTC

(V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0738 CK 162 35 0908 1606 =

TTD 3U6 3AN 3U7 TAU 773 (Cont'd)

9054 kHz, 08-09, 0001 UTC

A HR MSG GA

NR 15 CK 061 35 0908 0650 =

UTU TTD 3U4 3A4 TTU 773 353 U4T 35A 4AA (Cont'd) AR

MSG AGN

NR 15 CK 061 35 0908 0650 =

UTU TTD 3U4 3A4 TTU 773 353 U4T 35A 4AA (Cont'd)

8888 kHz, 08-09, 1732 UTC

? AR

AN NTN NNN 743

5A765UN4DUA36NUA3.3AUN ? UN? UNNN NNNN 763A

BT A76U 3AA6 U346 6473 TUT. AR

AM 0 M0 053 3AA6 U345 6473

.114 28.. .2.3 AR TT00

000 05 05 05 05

3770 7777. 3..

9054 kHz, 09-09, 2346 UTC

VVV HR 7G TOYR PSE CY

NR 02. CK 19 35 0910 0555 =

UT. AAT ... (Cont'd) AR

7G AGN

NR 029 CK 19 35 0910 0555 =

... TAT 3U4 3A4 TTA TTU TT3 773 (Cont'd) AR

A HR MSG GA

8073 kHz, 10-09, 0007 UTC

V BNGC (x3) DE XSV85 (x2)

A HR MSG GA PSE CY

NR 0741 CK 80 35 0910 0..5 =

TAT 3U4 3A4 TAU 773 357 373 4T3 NN3 (Cont'd) AR

A HR MSG GA

NR 0742 CK 40 35 09100 0722 =

.N5U ... N53 TT.

4243//9054 kHz, 11-09, 1151 UTC

VVV

HR MSG TOYR PSE CY

NR 22 CK 142 35 0911 1506 =

UTU TAA 3U6 3A4 TTU 773 354 N35 374 (Cont'd) AR

A HR MSG GA

NR 003 CK 18 35 0911 1700 =

5TD UTT TAA 3U6 3A4 354 373 4T7 U2D N4A

434 3TA TTU TT3 773 446 3DU 4D3 AR

A HR MSG GA

NR 034 CK 14 35 0911 1723 =

UT5 TAA 3U6 3A4 773 357 37U 4AD 446 4D3

3DU AR AR

A HR U PSB WK

8073 kHz, 11-09, 1144 UTC

V BNGC (x3) DE XSV85 (x2)

A HR MSG PSE CY

NR 0747 CK 402 35 0911 1621 =

TAA 3U6 3AN 3U7 TAU 773 357 37U 4T3 NN3 (Cont'd)

8073 kHz, 11-09, 1212 UTC

V BNGC (x3) DE XSV85 (x2) AR

A HR 7G GA

NR 0748 CK 55 35 0911 1621 =

TTN N5U TAA N53 TAD N54 7TT TTA 746 6TU 6T7 (Cont'd) AR

4243//9054 kHz, 13-09, 1153 UTC, i.p.

5D3 AR

A HR 7G GA

NR 007 CK 17 35 0913 1525 =

5TD UTT TA3 3U6 3A4 356 4TN U7U N4A 444

3DA TTU TT3 773 445 3DU 4D3 AR

AGN GA EEE 7G AGN

NR 007 CK 17 35 0913 1525 =

5TD UTT TA3 3U6 3A4 356 4TN U7U N4A 444

3DA TTU TT3 773 445 3DU 4D3 AR

A HR 7G GA

NR 26 CK 103 35 0913 1526 =

UTU TA3 3U6 3A4 TTU 773 N44 5AA 75U 354 373 N3D 353 4TN (Cont'd) AR

MSG AGN

NR 26 CK 103 35 0913 1526 =

UTU TA3 3U6 3A4 TTU 773 N44 5AA 75U 354 373 N3D 353 4TN (Cont'd) AR

A HR 7G GA

NR 040 CK 15 35 0913 1638 =

UT5 TA3 3U6 3A4 TTA TTU TT3 773 35U DN7

353 4AD 445 4D3 3DA AR

MSG AGN

NR 040 CK 15 35 0913 1638 =

UT5 TA3 3U6 3A4 TTA TTU TT3 773 35U DN7

353 4AD 445 4D3 3DA AR

A HR UP SB WK

8073 kHz, 13-09, 1142 UTC

V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 0763 CK 47 35 0913 1602 =

TTN N5U TA3 N53 TAD N54 7TT TT5 746 N65 6T5 (Cont'd)

AR
A HR 7G GA
NR 0764 CK 282 35 0913 1605
TA3 3U6 3AN 3U7 TAU 773 TA7 773 TU4 773 357 374 (Cont'd)

4243//9054 kHz, 13-09, 2348 UTC

VVV
HR MSG TOYR PSE CY
NR 034... 49 0914 0... =
A.. .. (Cont'd barely audible) AR
7G AGN
NR 0.4 .3 49 0914 0612 =
7A6 TU. (Cont'd – now fading badly) AR
A HR 7G GA
NR 2 CK 16 .050.1.. =
AR UT5 ... (Cont'd) AR
NR 05. CK0.. 607
UT5 TA4 3U4 (Cont'd) AR (0001z 14-09)
... PA ... 052 CK .5 0914 061. =
NR 2 7 CK .. 07 CK 052 35 0914 0... =
TA4 3.. (Cont'd)

8073 kHz, 14-06, 0008 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0766 CK 124 35 0914 0656 =
TA4 3U4 3A4 TAU 773 TA7 773 357 374 (Cont'd) AR
A HR 7G GA
NR 0767 CK 61 35 0914 0712 =
TTN N5U TA4 N43 (Cont'd) AR AR

8073 kHz, 16-09, 1144 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0779 CK 160 35 0916 1533 =
TA6 4U6 3AN 3U7 TA. 773 453 373 4T3 NN3 (Cont'd) AR AR
A HR 7G GA
NR 0780 CK 47 35 0916 1534 =
TTN N5U TA6 N53 TAD N54 7TT TT4 746 N65 (Cont'd)

4243//9054 kHz, 16-09, 1158 UTC

354 373 4T7 436 AR
A HR MSG GA
NR 013 CK 32 35 0916 1537 =
5TD UTT TA6 4U6 7TA (Cont'd) AR
7G AGN GA
NR 013 CK 32 35 0916 1517 =
5TD UTT TA6 4U6 7TA N44 3A4 353 N3D3 543 (Cont'd) AR
A HR MSG GA
NR 049 CK 31 35 0916 1646 =
UT5 TA6 3U6 3A4 TTA TTU TT3 773 353 N3D 35U (Cont'd)

9054 kHz, 18-09, 2346 UTC

V HR 7G TOYR PSE CY
NR 3. CK ..4 35 0919 0607 =
NR3 ... CK ?
NR 37 CK 054 35 0919 0608 =
UTU TAN 3U4 3A. .TU N44 TT3 773 35A (Cont'd) AR
A HR 7G GA
NR 056 CK 22 35 0919 0610 =

UT5 TAT 3U4 3A4 TTA TTA TT3 773 (Cont'd) AR
A HR 7G GA
NR 020 CK ... 35 0919 0622 =
5TN UTT AN3 (Cont'd) AR
HR WK SB

4243//9054 kHz, 18-09, 1156 UTC, i.p.

AR
A HR MSG GA
NR 061 CK 17 35 0920 1708 =
UT5 T3 UT6 3A. (Cont'd - Runs letters together) AR
A HR U PSE K

7788 kHz, 22-09, 0031 UTC, i.p.

Extremely rare for M95/M89 stations to send 4 letter coded messages

PGUW QXDS KTHJ FVER YNZO UGYP JHFX LFRS CIOK VYDM PDLU CSYN VEPH (Cont'd) AR
T7G NR 0
TLO4 TLO4 DE DE 3A3A 3A3A K
KLO4 TLO4 TLO4 TLO4 DE 3A3A 3A3A K
B8DB B8DB DE 3A3A 3A3A K
POQZ POQU DE 5QWX
TOJX T7GN
NR 452/CCK CK 305 59 0913 1650 =
..5DA TL8.. LO4DDE 3A3A 3A3A K
RLO4 DL.. DE 3A3A 3A3A K
LO4D LO4D DE 3A3A 3A3A K
RLO4 DLO4 DE 3A3A 3A3 K
BV8D BV8D DE 3A3A 3A3A K
Q2PO QWPO DE ... K
TF TLO4 TLO4 DE 3TATT
LO4D LO4D DE 3A3A 3A3A QSK K
7G NR 423/CCK CK 205 .0 0913 1555 ...
1088186 ... HR NR 398 UNR ? OK
7G PSE CY 1555 RMKS 2181 TO 2186 55 NR 398 UNR ? B PO QUPO QUDE 5OJX 5MIJX
LO4 DE 3A3A 3A3A K
6N5D T3TA7E .. 6 5T3D A7U4 6NT5 3D7 A4U5 34TN (Cont'd)
?
T6N5 D3TA 7U
T6N5 D3TT 7U4 ..7U 46NT 53DN (Cont'd) AR
TF CCK CM CCK CK CCK/CK
TX CCK CCK CCK CK /CCK CK CCK CK CCK CK /CCK CCK CCK CCK CK CK CK CK CC T CCK CCK CK T CCK CK
7G NR 598/CM T
NR 452/CCK CK 30 59 0913 1605 RMKS 2181 TO 2186 AR
RLO4 DLO4 DE 3A3A 3ADA K
TO BV8D BV8D DE 3A3A 3A3A K
TLO4DLO4D DE 1 TEAL
RLO4 DLO4 D DE 3A3A 3A3A K
OM OK 7G PSE CY
T7G NR .13/CCK CK 20 59 0913 1555 RMKS 2181 TO 2186 AR
.... OQTA CIJR PUGN RDZT (Cont'd) AR
444 G4USI
T7G O... CCK CK 95 0 8 0921 A 001
3GN. 3GD 3A3A 3A3A K
BNCK 7G NR 101/CCK CK K
TAE C F AS
= BGN K TT
VVV BNJ3GNJ3GN 3EEEE
NJ3G NJ3G DE 3A3A 3A3A K
POQ2 POQ2 DE 8YUV 8YUV K
TRHR QSA 3 U QSA ? K

QSA 3 K\
 HR NR 391 UNR ? K
 OK NR 5420 K
 PSE CY K
 OK PSE GA
 T VVV 7G NR 001/CCK CK 45 09 0 EEEE
 T 7G NR 001/CCK CK 45 09 0922 0932 RMKS 2181 TO 2187 K
 GA GA
 TVVV =
 6N5D 3TA7 U4N6 5T3D T7U4 6NT5 3D7A (Cont'd) AR K
 B AS
 NPT 2.W R K
 T RPT 30W BT U5AN AR K
 QSL 0938 R K
 T R OK
 T R OK 7G GA
 OK VVV
 7G NR 001/CCK CK 45 08 0922 0938 RMKS 2187 TO 2181 K
 R GA GA
 = = 6N5D 3TA7 U4N6 5T3D A7U4 6NT5 3D7A (Cont'd)
 AR (Resends message received - changed date/time/group and TO address)
 AR K
 R T 7Q 764NTUA7 (Cont'd)
 III AR K
 T R QSL 0935 K
 OK T R SK HW ?
 NPT
 TR SK GB K
 T R SK GB GB GB
 POQ2
 T TV
 POQ2 POQ2 DE 8YUV 8YUV K
 T R NJ3G NJ3G DE 3A3A 3A3A K
 QSA 3 QSA ?
 X QSA 3 K
 QSA 3 QSA ? K
 T RPT
 NPT HR NR 391 K. NPT HR NR 391 K
 T R K
 NPT T R TR HR NR 391 K
 OK ... K
 OK MSG PSE GA
 OK K
 OK HR GA PSE CY
 OK GA GA
 TV 7G NR ..
 NR 398/CCK CK ..0 09 0921 0938 RMKS
 NR 398/CCK CK .5 09 0921 0938 RMKS 2189 TO 2398 R K
 R GA GA
 BT 4TN7 AU.. 75DN (Cont'd)

8073 kHz, 22-09, 0005 UTC

V BNGC (x3) DE XSV85 (x2)
 HR 7G GA PSE CY
 NR 0794 CK 96 35 0922 0707 = =
 3U4 3A4 TAU 773 35U 4T3 NN3 (Cont'd) AR AR
 A HR A HR 12W K

8073 kHz, 22-09, 1135 UTC

V BNGC (x3) DE XSV85 (x2)
HR MSG GA PSE CY
NR 0795 CK 129 35 0922 1555 =
TUU 3U6 3AN (Cont'd) AR

4243//9054 kHz, 22-09, 1149 UTC, i.p.

773 435 3DU 4D3 AR
7G AGN
NR 025 CK 17 35 0922 1514 =
5TD UTT TUU 3U6 3A4 (Cont'd) AR
A HR MSG GA
NR 44 CK 103 35 0922 1515 =
UTU TUU 3U6 3A4 TTU 773 357 373 4AA (Cont'd) AR
A HR MSG AGN
NR 44 CK 103 35 0922 1515 =
UTU TUU 3U6 3A4 TTU 773 357 373 4AA (Cont'd) AR
A HR MSG GA
NR 067 CK 18 35 0922 1642 =
UT5 TUU 3U6 3A4 TTA TTU TT3 773 (Cont'd) AR
7G AGN
NR 067 CK 18 35 0922 1642 =
UT5 TUU 3U6 3A4 TTA TTU TT3 773 (Cont'd) AR
A HR UPSB WK

9054 kHz, 22-09, 2346 UTC

V HR MSG TOYR PSE CY
NR 026 CK 17 35 0923 0619 =
.TD .TT TU. (Cont'd) AR
MSG AGN
NR 026 CK 17 35 0923 0619 =
... TT TU. (Cont'd) AR
A HR 7G GA
NR 068 CK 17 35 0923 0... =
.. U3 3U4 3.. (Cont'd) AR
... AGN
NR 068 CK 17 35 0923 062. =
T5. U. 3U4 3A4 TTA TT. TT. (Cont'd)

4243//9054 kHz, 27-09, 1150 UTC

V HR MSG TOYR PSE CY
NR 54 CK 153 35 0927 1456 =
UTU TU7 3U6 3A4 7TU 7TA 7T7 73U 7UT TTU 773 (Cont'd) AR
A AGN
NR 54 CK 153 35 0927 1456 =
UTU TU7 3U6 3A4 7TU 7TA (Cont'd)

8073 kHz, 27-09, 1136 UTC

V BNGC (x3) DE XSV85 (x2)
... PSE CY
NR 0813 CK 173 35 0927 1600 =
TU7 3U6 3U7 TAU 773 (Cont'd)

9054 kHz, 27-09, 2352 UTC, i.p.

AR
A HR 7G GA
NR 55 CK 067 35 0928 06.. =
... 3A4 T..TU 77 TTT.. (Cont'd) AR
A HR 7G AGN GA
NR 036 CK .. 35 0928 0... =

5TD TTT TUD 3U. 7.. (Cont'd)

8073 kHz, 29-09, 0011 UTC

V BNGC (x3) DE XSV85 (x2)

HR 7G GA PSE CY

NR 0820 CK 102 35 0929 0659 =

TUN 3U4 3A4 TAU 773 TU4 773 TU5 773 357 (Cont'd) AR AR

8073 kHz, 29-09, 1134 UTC

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0823 CK 96 35 0930 1524 =

3T3 UT5 3AN 3U. TAU 773 (Cont'd)

4243//9054 kHz, 29-09, 1149 UTC

VV HR MSG TOYR PSE CY

MSG TOYR PSE CY

NR 60 CK 11. 35 0930 1510 =

UTU T3. ..U 6 3A4 TTU N44 TT3 773 35. (Cont'd)

9054 kHz, 29-09, 2345 UTC

V A HR 7G T OYR PSE CY

NR 042 CK 20 35 1001 0618 =

5TD UTT TTA 3U4 3A4 353 N3D 354 373 4T7

U7U N4A 444 3DA TTU TT3 773 435 3DU 4D3 AR

A HR 7G GA

NR 01 CK 052 35 1001 0624 =

UTU TTA 3U4 3A4 TTU N44 TT3 773 357 336 (Cont'd) AR

A HR MSG GA

NR 092 CK 1535 1001 0634 =

UT5 TTA 3U4 3A4 TTA TTU TT3 773 453 U4T

354 ..N 445 4D3 3DA AR

7G AGN

NR 092

A WK SB AR AR



UM10 - 10-minutes net

6790 kHz, 29-09, 0027 UTC: JATD (new freq)

3629 kHz, 29-09, 1326 UTC: SDXL

3629 Hz, 29-09, 1527 UTC: SDXL

3629 kHz, 29-09, 1850 UTC: SDXL

3629 kHz, 29-09, 2026 UTC: SDXL

3542 kHz, 29-09, 1524 UTC: HDNA

3542 kHz, 29-09, 1853 UTC: HDNA

3542 kHz, 29-09, 2027 UTC: HDNA

3542 kHz, 30-09, 1622 UTC: HDNA //4116 kHz

3542 kHz, 30-09, 2152 UTC: HDNA //4116 kHz

3629 kHz, 30-09, 1755 UTC: SDXL //3258 kHz

3629 kHz, 30-09, 2050 UTC: SDXL //3258 kHz

DIGITAL MODES



HM02

Modes:

FSK-19.8Bd/129Hz and FSK-CW

7351 kHz, 01-09, 0427 UTC

523 51 =

27657 63331 81783 42282 41847 42751 90356 31217 48194 53178
65636 95193 13729 47271 90534 39349 47280 44911 38231 98549
54899 88820 96769 75856 01729 16497 03467 55336 59219 53044
19036 53604 29030 27139 47719 27520 83548 41478 81503 88299
17439 12814 62473 99180 29159 64223 80056 74061 81323 76424
96165 28595 69607 83168 87360 25863 01475 47896 75685 78036
58634 =

523 51 523 51 = repeats message = 523 51 000

Note: group count is 51 but 61 groups were sent

7351 kHz, 02-09, 0430 UTC

552 52 =

80823 37181 60527 36820 35501 04846 51308 60436 56034 55833
70681 22183 05375 42412 12077 11660 76173 00812 46314 77782
76157 63634 53522 03781 24753 66240 87585 88264 06745 37083
62540 16712 57467 42600 67715 61412 12884 60068 42140 60516
11510 13272 32352 64824 81688 03574 06544 83336 55250 43150
81853 44031 = repeats message = 552 52 000

7351 kHz, 03-09, 0428 UTC

264 32 =

80823 37181 60527 36820 35501 04846 51308 60436 56034 55833
70681 22183 05375 42412 12077 11660 76173 00812 46314 77782
76157 63634 53522 03781 24753 66240 87585 88264 06745 37083
62540 16712 =

264 32 264 32 = repeats message = 264 32 000

Note: the message consists of the first 32 groups of yesterday's message

7351 kHz, 04-09, 0426 UTC

287 46 =

35066 54693 96993 06341 04458 22454 01769 63867 64000 54364
58323 32302 71734 61882 96457 97081 25985 33156 78894 17413
90188 16733 02137 80383 15707 65744 49246 52130 99175 57157
23720 88840 73107 86385 08178 23177 71107 77273 62495 66229
90875 23564 93880 88955 28505 54532 =

287 46 287 46 = repeats message = 287 46 000

7351 kHz, 05-09, 0422 UTC

427 46 =

88619 66245 08686 34750 31527 88794 87636 81133 82532 56240
32279 81523 97989 93494 98587 38118 19875 57072 55050 10598
21812 88997 02427 29626 87828 79035 68395 02291 58675 36329
45764 65021 47468 19967 15402 81847 22338 70072 22625 48702
05212 40438 19436 84692 76912 96708 =

427 46 427 46 = repeats message = 427 46 000

7351 kHz, 06-09, 0429 UTC

814 48 =

10278 46124 48661 73887 25778 14677 21800 64588 58438 34614
64161 63421 36387 12385 23353 43538 31358 06171 25236 53680
12422 30108 58058 07036 28525 73248 58002 71206 54423 11685
67472 81573 21685 73830 66155 61350 65531 58511 33524 60657
46807 65744 46636 60204 53273 67061 66786 70305 =

814 48 814 48 = repeats message = 814 48 000

7351 kHz, 07-09, 0429 UTC

287 46 =

35066 54693 96993 06341 04458 22454 01769 63867 64000 54364
58323 32302 71734 61882 96457 97081 25985 33156 78894 17413
90188 16733 02137 80383 15707 65744 49246 52130 99175 57157
23720 88840 73107 86385 08178 23177 71107 77273 62495 66229
90875 23564 93880 88955 28505 54532 =

287 46 287 46 = repeats message = 287 46 000

Note: same id and message as 4-9

7351 kHz, 08-09, 0421 UTC

803 42 =

35066 54693 96993 06341 04458 22454 01769 63867 64000 54364
58323 32302 71734 61882 96457 97081 25985 33156 78894 17413
90188 16733 02137 80383 15707 65744 49246 52130 99175 57157
23720 88840 73107 86385 08178 23177 71107 77273 62495 66229
90875 23564 =

803 42 803 42 = repeats message = 803 42 000

Note: the message consists of the first 42 groups of the messages sent on 4 and 7-9

7351 kHz, 09-09, 0426 UTC

680 44 =

64264 27048 80356 10730 18734 72473 98143 74542 95583 76535
09780 54443 24020 51577 76126 62092 80980 71389 88730 61229
29496 37811 52229 30646 31699 23082 11752 29375 51294 57851
03714 71587 85005 40186 73510 31074 19336 07251 58491 50465
35471 29541 21524 52225 =

680 44 680 44 = repeats message = 680 44 000

7351 kHz, 10-09, 0424 UTC

127 34 =

82483 22357 52782 88877 65783 25244 06674 33644 68647 56761
64240 70514 30387 48732 53278 66277 20835 12768 33167 72254
30412 45825 57725 37156 30477 47183 47021 06342 00120 22785
32564 47032 02715 46271 =

127 34 127 34 = repeats message = 127 34 000

7351 kHz, 11-09, 0419 UTC

546 42 =

22204 08981 17488 89923 45753 25601 36863 76012 66977 18092
21277 78438 76463 28331 54125 81402 10584 45857 06356 47261
28475 64932 49517 02429 23476 44327 01431 62903 72785 94790
05039 21794 73719 02912 42552 19786 12135 39121 10697 33218
54707 15291 =

546 42 546 42 = repeat message = 546 42 000

7351 kHz, 12-09, 0421 UTC

829 43 =

82985 18686 18991 31378 52089 42979 22805 04777 19094 63899
56317 29761 01293 15386 31213 00423 07662 55143 29403 61960
68253 59392 59702 60346 93390 30412 38132 09400 56258 57352
13575 72115 11979 54219 26683 10309 36940 29363 52300 91874
81613 82519 66659 =

829 43 829 43 = repeats message = 829 43 000

7351 kHz, 13-09, 0421 UTC

948 47 =

70513 55745 12178 63028 86423 21410 73607 54757 58885 46777
20670 03007 38537 54488 50781 00805 60330 26784 85324 13286
05458 34731 55660 08165 55385 17760 47767 81814 78331 06785
06617 64287 18333 34020 73036 47771 60531 05518 23175 33633
73458 30341 84706 83801 82682 53822 00506 =

948 47 948 47 = repeats message = 948 47 000

7351 kHz, 14-09, 0426 UTC

294 53 =

64186 20610 73827 73012 15208 48135 46322 14375 52124 65884
74750 56487 18281 63054 11386 03472 21545 27805 85181 54115
57857 42143 27847 30128 77472 61152 36652 04586 13374 83717
05551 74225 82114 26806 26587 43606 80613 82700 63568 43435
80582 20283 32601 51067 04475 53823 13812 87183 40675 87370
34137 46438 07808 =

294 53 294 53 = repeats message = 294 53 = 000

7351 kHz, 15-09, 0411 UTC

414 46 =

45619 05459 00978 11105 03138 06401 36966 23147 79700 27884
74710 63605 67409 69004 50241 96466 23026 44016 08855 85219
31444 71395 86542 19780 46540 56348 79773 39069 03771 37912
78763 06088 96146 84638 87830 30204 17672 04747 23151 13217
78304 65104 73405 08624 03432 71254 =

414 46 414 46 = repeats message = 414 46 000

7351 kHz, 16-09, 0418 UTC

207 46 =

63848 19967 56893 30055 67079 96050 06331 96401 57854 75567
61600 50192 95706 42166 70498 55352 07134 99732 10012 57815
45350 69275 42272 66630 87463 15524 68526 42987 65973 50588
87936 63707 12509 52447 77333 43327 08447 27692 91952 94712
77999 05225 69237 44595 90726 71644 =

207 46 207 46 = repeats message = 207 46 000

7351 kHz, 17-09, 0421 UTC

223 56 =

34105 46600 26688 02243 73415 15540 63880 50667 07843 38626
52132 52236 12114 08712 33038 75634 43145 33457 72514 56063
80522 20083 68235 51033 23222 66227 87700 85320 84416 43800
71002 81660 70464 83527 30656 35817 88521 81127 68671 80466
50605 43003 38217 15655 45257 56335 20028 66702 12682 10076
71601 74786 17563 51002 21345 48356 =

223 56 223 56 = repeats message = 223 56 000

7351 kHz, 18-09, 0421 UTC

806 45 =

45435 13540 25157 61767 53368 77706 31838 03447 68468 87107
 88071 05280 78243 25144 27777 52726 17206 28110 38014 04277
 22605 73102 27017 01450 02415 36024 72117 76234 25720 33367
 22140 60876 25466 43072 54178 24150 05626 78345 38705 43156
 06537 04635 54618 10117 64042 =

806 45 806 45 = repeats message = 806 45 000

7351 kHz, 19-09, 0420 UTC

523 49 =

82247 76594 81625 07533 74381 51275 32183 27658 91240 40617
 88919 19138 92045 23700 72256 23385 17228 77443 13528 74699
 87484 42925 67103 43452 22997 68928 06436 24737 35009 26716
 81218 81208 29754 86501 59050 12535 39158 19111 55505 40365
 65708 18702 79835 03370 05803 52272 50572 62788 30462 =

523 49 523 49 = repeats message = 523 49 000

7351 kHz, 20-09, 0416 UTC

281 43 =

43273 66870 85083 56793 68141 02725 24248 60282 14028 9xx81
 70776 93357 74823 63459 71920 19963 34203 42535 18891 13195
 05752 70704 83979 30494 32433 00693 87175 45768 94725 39497
 73714 14083 x9870 63468 53332 38633 97573 39300 25655 34879
 72591 88501 53232 =

281 43 281 43 = repeats message = 271 43 000

Note: poor conditions**7351 kHz, 21-09, 0422 UTC**

829 41 =

86010 24414 77082 44081 33496 93731 01955 40518 15884 00696
 85418 91773 90946 78958 86296 31446 92801 02401 84149 53628
 86033 75365 12804 68810 09979 05308 87869 46858 04887 69117
 78998 02225 27795 92515 66433 80656 02975 06883 74919 02946
 81578 =

829 41 829 41 = repeats message = 829 41 000

7351 kHz, 22-09, 0421 UTC**FSK 50/129: 710 49 = 11262, stopped and switched to CW.**

807 41 =

86010 24414 77082 44081 33496 93731 01955 40518 15884 00696
 85418 91773 90946 78958 86296 31446 92801 02401 84149 53628
 86033 75365 12804 68810 09979 05308 87869 46858 04887 69117
 78998 02225 27795 92515 66433 80656 02975 06883 74919 02946
 81578 =

807 41 807 41 =

86010 24414 77082 44081 33496 93731 01 EEEEEEEEE 07 U1 = stopped and restarted

86010 24414 77082 44081 33496 93731 01955 40518 15884 00696
 85418 91773 90946 78958 86296 31446 92801 02401 84149 53628
 86033 75365 12804 68810 09979 05308 87869 46858 04887 69117
 78998 02225 27795 92515 66433 80656 02975 06883 74919 02946
 81578 =

807 41 000

Note: strong signal but an operator who wasn't very much in shape. After the FSK callup sequence he started with a wrong message in FSK 50/129: 710 49 = 11262, then stopped and restarted the correct message in CW. The repeat went wrong again. After several groups he stopped and restarted.

7351 kHz, 23-09, 0416 UTC

834 41 =

86010 24414 77082 44081 33496 93731 01955 40518 15884 00696
 85418 91773 90946 78958 86296 31446 92801 02401 84149 53628
 86033 75365 12804 68810 09979 05308 87869 46858 04887 69117
 78998 02225 27795 92515 66433 80656 02975 06883 74919 02946
 81578 =

834 41 834 41 = repeats message = 834 41 000

Note: same message as on 21 and 22-09 but with a different id**7351 kHz, 24-09, 0420 UTC**

861 43 =

25692 69631 71906 56732 34191 46490 53296 35532 01833 73234
 87803 63753 46018 63525 44427 27812 32377 55584 32054 56065
 71308 32740 35979 14325 30576 70341 98013 71591 43835 79668
 44947 12294 32384 53616 80984 86850 71140 24064 20744 06436
 43567 65712 56732 =

861 43 861 43 = repeats message = 861 43 000

7351 kHz, 25-09, 0423 UTC

513 42 =

52385 17874 54337 98710 83920 53369 95832 33261 14324 38698
 01609 25797 13302 17783 36159 56308 48663 67183 12947 74496
 60078 64853 39161 90085 48108 31753 94384 46001 95929 22990
 33106 03647 43657 01051 52039 44777 10593 29602 62881 15677
 50196 12400 =

513 42 513 42 = repeats message = 513 42 000

7351 kHz, 26-09, 0425 UTC

235 49 =

57335 637x5 34618 85x68 82562 x1x02 321xx 68767 4xx34 81742
 5727x x8882 72332 26471 62280 11x70 71050 20124 14827 23218
 76478 0x188 78073 622x7 7382x xx132 44008 16828 82632 46542
 80323 36522 20640 08453 68233 45706 05212 41544 16641 51131
 38053 22686 63455 87076 46202 68816 06833 45213 87104 =

235 49 235 49 = repeats message = 235 49 000

Note: extremely poor conditions. Parts were unreadable.**7351 kHz, 27-09, 0420 UTC**

125 41 =

37833 68734 87336 24418 06611 20062 90960 59378 89886 13669
 61284 95565 76559 43055 54588 14852 25485 07524 37854 33857
 69785 57398 84510 52680 06656 96735 33704 70771 87646 97841
 27504 77447 63537 78682 29336 90313 07619 97772 09913 68619
 79284 =

125 41 125 stops, carrier for 2 mins, off

Note: no repeat.

6261 kHz, 28-09, 0420 UTC

192 54 =

08208 01014 87431 95193 43880 32037 30279 62411 47986 63017
19837 48641 46375 36634 66269 54202 60814 80511 49841 83145
72197 45725 86317 07264 34368 00848 61079 30755 32419 90213
00862 52809 73307 39411 99136 96229 50526 21294 59562 06718
65445 17454 61410 02084 19879 47268 62698 93755 54315 84025
78059 00173 20844 20690 =

192 54 192 54 = repeats message = 192 54 000

Note: Frequency change from 7351 to 6261 kHz.

Starts the message in RTTY and then switched to CW.

6261/7351 kHz, 29-09/30-09 not heard

M42 & X06



Modes:

*Various digital modes, CW,
Tones (Мазенка / Mazielka)*

Russian Government & Intelligence



M42 – various modes

16156 kHz, 23-09, 1230 UTC, FSK 75/500

i.p.754 28008 50883 95971 88363

77110 39838 98858 97957 23801 81651 23472 67417 46341 86853
93537 45728 16380 22359 61956 64068 98190 26397 79230 46697
46831 18079 35031 87556 34919 50027 15106 03540 62714 77512
40697 00352 31177 42526 82676 11908 82714 96234 67563 99206
39282 08257 17637 19608 92538 36181 92305 02462 25743 53788
22947 92027 72067 61394 58378 43602 39034 26761 63171 83821
53747 30015 35976 71057 08616 11001 40061 16838 12246 42523
63242 54261 75208 77890 49394 64297 85345 46231 68733 95953
52320 93983 19057 41222 26094 96027 75127 50738 19014 84873
28385 01119 86202 71364 84186 49881 43935 55310 08744 38907
30694 49506 42965 32373 40584 65567 25369 00097 83801 35016
91275 82227 53839 64059 40449 96220 06117 45500 90392 72039
77728 76208 57465 26512 02988 53601 33022 12790 04459 49563
46771 05837 64170 85240 34505 09897 04683 55162 52435 98869
34721 74105 05282 25527 39026 45156 80324 60527 17151 72398
04603 47141 00859 66671 67438 82645 04823 17827 75489 62308
90320 31929 32498 46912 46596 56840 60944 39752 19593 44610
07777 84040 42730 24131 01414 16662 49423 82475 52195 39208
72028 78370 13496 92243 56898 36231 45648 43726 50240 94202
49906 27527 34466 0H644 64594 92979 19709 10487 40679 51416
20213 45913 38892 30598 70267 34789 15645 73001 59382 85284
89087 38890 91388 04127 08125 00107 97152 78917 49746 35523
55586 01956 39899 64096 02656 34003 62042 76450 33057 31420
87417 50934 24256 85131 63591 65092 37585 44836 29263 38480

76070 26909 47540 67766 03689 29439 74853 40054 55740 02824
 07701 35368 95016 49376 74414 54233 93460 50365 64136 31295
 44000 43945 10182 20909 32247 02391 69995 65635 22747 82091
 68865 83593 39463 44740 99602 35589 45194 73143 95360 57973
 49594 30107 17790 72153 00504 33813 27708 06712 38265 48153
 30483 93049 17712 11429 13305 20509 27524 51876 16541 61903
 61629 63438 06366 05399 22354 40230 40839 53674 59985 93138
 46635 76311 78455 96983 48604 26338 61829 41680 19346 56873
 01267 85848 41002 98810 27180 36301 96431 85463 76235

Ends with QRU SK in Morse

Freq	Date	UTC	Details	Mode
4755	8-9	1845	ROP wkg UDM 11100 13808 13794 08019 00503 and 11100 13808 13794 08020 00503	CW
6916	12-9	1211	RYRYRYRYRYRY SNG-202 SNG-202 SNG-202 DE YPM-69 YPM-69 YPM-69 BK BK BK BK OM HR FSK 50/250 ZOK ZNN QRX TMW?K PSE QRX TMW?K TKS SK GB13	
8124	12-9	1230	RYRYRYRYRYRY SNG-202 SNG-202 SNG-202 DE YPM-69 YPM-69 YPM-69 BK BK BK BK OM HR FSK 50/250 ZOK ZNN QRX TMW?K PSE QRX TMW?K TKS SK GB13	
8151	12-9	1312	DE BZL26 then into random groups. Op chat in CW: RUF RKF ...	FSK 50/850
13370	22-9	1216	Russian diplo i.p.	CROWD-36
9300	22-9	1220	Russian diplo i.p.	CROWD-36
16011	22-9	1315	Russian diplo i.p.	CROWD-36
16156	23-9	1230	i.p.754 28008 50883 95971 ... 96431 85463 76235. Ends with QRU SK in Morse	FSK 75/500
5870	25-9	0753	RNI2 wkg RFY2 QRU NIL SK	CW
10345	28-9	0807	Russian diplo i.p.	CROWD-36

M42b – Opchat in CW, messages in FSK 50/500

4850 kHz, 21-09, 0521 UTC

GX7N de EBCW K
 EBCW de GX7N K
 EBCW QSA 3 QSA ? K
 GX7N QSA 4 K
 EBCW QRU ? K
 GX7N QTC 1 K
 EBCW QRV K
 GX7N NW 221 30 21 0513 1342 = FOR 77202 FM 74884 = 81034 84377 66834 36134 ... K
 EBCW R221 0533
 GX7N CFM QRU ? K
 EBCW NIL K
 GX7N SLD SLV K
 EBCW SLD SLV K
 TIME : 0536z

4850 kHz, 21-09, 0630 UTC

GX7N de EBCW K
 EBCW de GX7N K
 EBCW QSA 3 QSA ? K
 GX7N QSA 4 K
 EBCW QRU ? K
 GX7N QTC 2 K
 EBCW QRV K
 GX7N NW 324 30 21 0620 1234= FOR 77202 FM 74884 = TEXT GROUPS 5 FIGURES
 EBCW R 324 0639 K
 GX7N QTC 1 K
 EBCW QRV K
 GX7N NW 325 21 21 0620 1234 = FOR 77203 FM 74884 = 28655 24770 43046 43885 ... K
 0647z
 EBCW R 325 0646K

GX7N CFM NIL K
EBCW QTC 1 K
GX7N QRV K
EBCW 521 30 21 0556 1234 FOR 74884 FM 77209 = 83315 67295 95938 36697 ... K
GX7N R 521 0654 K
EBCW CFM QRU ? K
GX7N NIL K
EBCW SLD SLV K
GX7N SLD SLV K

4867.5 kHz, 21-09, 0737 UTC

TY8A QTC AR K
TY8A 881 121 21 1035 881 = 044 =
22093 02024 02004 00055 00577 00235 00268 01225 01281 01426
01472 01494 01528 02237 02316 02495 02552 03159 03182 03261
03294 04026 04060 04330 04374 05532 05544 06108 06130 06152
06196 06341 06376 06409 06523 06589 07007 07018 07030 07221
07254 07401 07445 07489 07513 07579 08031 08242 08266 09043
09100 09335 09357 10483 10483 10528 11079 11114 12171 12216
12306 12373 12429 12463 12575 1137 13118 13159 13363 13408
13442 13475 13621 14097 14128 14184 14500 14522 15185 15253
16568 16591 17020 17053 17323 17356 17480 17514 18357 18380
18447 18481 19022 19066 19112 19145 19291 19325 19404 19460
19493 19516 19561 20080 20114 20181 20192 20260 20316 21340
21395 23005 23038 23117 23218 23218 23241 23263 23296 23397
23421 21119 K

8C4F R 881 K
7W1Z R 881 K
2ESW R 881 K
ABRN R 881 K

4867.5 kHz, 21-09, 0808 UTC

TY8A QTC AR K
TY8A 688 65 21 1040 688 = 044 =
22093 06062 06062 00257 00516 01066 01180 01380 01500 01528
02147 02259 02406 02439 02585 03340 03520 04116 04341 05151
05364 05588 06118 07096 07232 08581 09111 10012 10135 10427
11002 11337 11541 12148 12474 13071 13318 13509 14117 14184
14308 14443 15040 15297 15433 16276 16344 17378 17489 19190
19358 19381 19437 20170 20259 21058 21238 21508 22048 22431
23072 23265 23421 21063 K

8C4F R 688 K
7W1Z R 688 K
2ESW R 688 K
ABRN R 688 K
8C4F de SNK5 K
SNK5 de 8C4F K
SNK5 QRU ? K
8C4F QTC K
SNK5 QRV K

Note:

The first 2 characters of the first group are today's date + 1
The 3 following characters are often the same in the following messages.
Groups 2 and 3 are often identical in each message.
The second-to-last groups is usually identical if there are more messages.
The last group consists of the current date and number of groups listed in the preamble -/- the last two groups.

5766 kHz, 21-09, 1417 UTC, RAZK wkg COLH. Messages in FSK 50/500; opchat in CW

RYYRYRYRYRYRYRYRYRY

923 60 8 0830 5674 !.)65220 !94 3125 !. 53125 !94 87228
 !9 ? 728 !94 04253 8!9) 425- !94 788,1 !. 78081 !94 93114
 !. 93114 !94 6890 !. 67920 !94 65220
 84875 57551 47258 56388 189 4 73468 59423 80283 25552 78460
 07031 46040 33945 056 2 76#511578 03534 98389 58372 6424&
 39475 49476 18613 79015 51602 10902 46620 93199 01125 30579
 39267 67661 61306 30815 8498 5522 81457 97477 47580 34187
 41796 42665 51351 11457 70698 85105 64446 2 86 89173 72230 =50=
 29930 58856 46291 80714 57922 69516 08704 77511 33064 49027
 19155 8644 15103" 8 78 8586 241 06194 85016 62745 89562
 30708 64037 14435 87508032798 95570 82064 03644 565
 97528 05534 86499 74680 50132 89675 28681 79205 29488 22-
 34913 93868 9827 53110 24815 54973 98695 + 84751 74287 =100=
 42335 57704 80115 304 41264 02462 83413 88 30444 54829
 51191 63175 32121)4168 3538 77345 47552 75437 32284 35966
 97698 72191 99185 86938 88466 70178 42194 12617 02316 56686
 70386 13479 64724 12088 50516 78240 31241 93284 74659 19385
 73138 91182 1)611 28823 66414 02825 51144 13896 66764 =19=
 28866 31145 93854 42838 25934 92288 5262= 3655 8543 31232
 56644 49171 33762 05149 95044 8533104 26256 69725 7710.
 54166 33798 75462 83609 92770 93036 94585853021 28429
 47580899232 06041 90907 83417 38887 27964 60825 577568
 81:&)58092 32552 41508 14109 34941 28699 78910 64305 99493 =200=
 87#/0:/298 4 86 46434 82699 35401 37744 6458 9 06588
 839 07533 089 4 825 5355 19 588 53708067594 5226 8 55
 31446 98241 28454 4864 05368 58590 80560 11364 87411
 08093 4047 46226 10958 84702 85359 75935 43399 +5754 78122
 68397 38312 21069 15 38 38 3688 1 0 68 41715 79177 =250.
 853 61417 12918 20 65628 06565 6 856 2814 TOWUP OQPQY
 PQYOO RTUQY IRP Q IR OEUTY PWTQQ POERP WPOTELWOOEW
 TTRUT ORTWO URIYY OUOET WPTEO OTIEWTWOWUE DUCOUT IETWO
 TUPUT UYWQT UQQOT IUTYR EEUQT UUOPP UTWRW IQIQW IP O
 ET E DERZ YEYR UUPTE HF 87,.5178 43818 87478 88936 92527
 1216 34 8 .300=
 15744 90507 59832 15555 92021 67223 98066 03466 20530 65631
 15819 55307 66258 80733 769 84848,9&847 68194 97322 52242 8

Freq	Date	UTC	Details	Mode
3371	3-9	1811	I1MS wkg 5UDA (Messages in FSK and op-chat in CW)	FSK 50/500
5351	6-9	1801	X9OY wkg 1 (Messages in FSK and op-chat in CW)	FSK 50/500
3191	7-9	0300	P8RK wkg ZE4K (Messages in FSK and op-chat in CW)	FSK 50/500
3191	7-9	0446	H7LD wkg DEPS (Messages in FSK and op-chat in CW)	FSK 50/500
5332	7-9	1347	MERG wkg GEXN (Messages in FSK and op-chat in CW)	FSK 50/500
5342	8-9	1807	ZE4K wkg P8RK (Messages in FSK and op-chat in CW)	FSK 50/500
3544	9-9	0335	ChYRP wkg RZYY (Messages in FSK and op-chat in CW)	FSK 50/500
6987	14-9	0458	UHK wkg RPK	CW
5361	14-9	1248	SGU7 wkg WS2T (Msgs in FSK, opchat in CW)	FSK 50/500
5371	14-9	1343	SGU7 wkg WS2T (Msgs in FSK, opchat in CW)	FSK 50/500
5376	14-9	1553	SGU7 wkg WS2T (Msgs in FSK, opchat in CW)	FSK 50/500
5280	15-9	1544	SGU7 wkg WS2T	FSK 50/500
6837	16-9	0532	SK8I wkg G3WM	FSK 50/500
6817	16-9	0538	SK8I wkg G3WM	FSK 50/500
5265	16-9	0937	GFUC wkg DYFP	FSK 50/500
6810	16-9	0937	FFNS wkg HDLS	FSK 50/500
5111	19-9	1440	P8RK wkg ZE4K (Msg in FSK 50/500, opchat in CW)	CW

4850	20-9	0521	EBCW wkg GX7N	CW
8319	20-9	0618	TBJU wkg FQED	CW
8299	20-9	0621	TBJU wkg FQED	CW
8306	20-9	0642	TBJU wkg FQED	CW
6771	20-9	0725	LKDW wkg PRAT	CW
5362	20-9	1337	EBCW wkg GX7N: 981 30 20 1338 FOR 31888 FM 34201 ...	CW
4790	20-9	1627	GX7N wkg EBCW: 148 25 20 1600 1234 = FOR 34200 FM 31888 ...	CW
4830	20-9	1720	EBCW wkg GX7N: 213 30 20 1443 FOR 31888 FM 34201 ...	CW
4850	21-9	0521	EBCW wkg GX7N	CW
4850	21-9	1345	EBCW wkg GX7N	CW
5767	21-9	1417	RAZK wkg COLH	CW
5766	21-9	1420	RYRYRY 923 60 8 0830 5674 !.)65220 !94 3125 !. 53125 !94 87228 =50= separator	FSK 50/500
4522	22-9	0701	OJNS wkg RAZK	CW
4542	22-9	0706	OJNS wkg RAZK	CW
5146	22-9	0856	OPNS wkg UMCO	CW
5166	22-9	0900	OPNS wkg UMCO	CW
4621	22-9	1841	TR8P wkg 1OVF	CW
5471	24-9	0551	UOZG wkd WDAK	CW
5376	25-9	0450	RJ8W wkg HGEB	CW
4857	25-9	0458	RJ8W wkg HGEB (messages in FSK 50/500)	CW
4361	26-9	0752	WS2T wkg SGU7 (messages in FSK 50/500)	CW
4371	26-9	0806	WS2T wkg SGU7 (messages in FSK 50/500)	CW
5861	26-9	0810	OPGC wkg DJRG (messages in FSK 50/500)	CW
4371	26-9	0907	WS2T wkg SGU7 (messages in FSK 50/500)	CW
4731	27-9	0711	K3FM clg LK2S	CW
4731	27-9	0808	K3FM wkg LK2S comms checks QRU SK	CW
4731	27-9	0814	K3FM clg LK2S	CW
4731	27-9	1231	K3FM wkg RK7T comms checks QRU SK	CW
5084	27-9	1302	GX7N wkg EBCW: 609 21 27 1307 1234 FOR 765530 + 5FGs	CW
5454	27-9	1403	K3FM wkg LK2S comms checks	CW
5344	27-9	1411	K3FM wkg LK2S: 138 20 27 1312 4321 FM 53874 + 5FGs	CW
5461	27-9	1421	WGK8 wkg 9GPW calling. QSY 93310 SK	CW

M42c (F01) – FSK 200/500

20618/18048/20618/18048 kHz, 09-09, 2230/2240/2320/2340 UTC

11177 00116 45182 09041 02209
76569 37452 54744 30786 88431 49206 89266 49504 87172 72261
06159 49091 77115 97767 36563 94812 93908 85096 38561 15984
81030 44447 63175 96217 85741 85975 38831 89643 33860 48889
77643 03092 54059 46922 47754 81289 36802 10511 08506 46258
62847 24062 99081 31103 40391 96933 80566 40046 26756 98728
29960 27613 21599 14910 75870 48042 96104 22205 52902 83804
09196 25449 93605 02943 51743 14694 22641 28892 88868 38333
80476 89068 79033 37326 52658 79604 10487 08624 79392 83017
89154 92574 99459 35708 19978 25349 02019 62120 73119 05677
40647 48582 60664 62896 07010 13772 64520 29099 45103 78860
46760 97597 85338 37937 87419 09885 84371 38097 99324 37122
02175 17417 11170 40851 66219 64808 10229 75646 37974 91706
08539 41541 55498 38522 27034 63633 44397 25890 24765 71333
85108 76350 80411 35934 15083 56599 07637 61506 50812 26910
42740 32803 70034 92742 52443 86089 22318 34224 51757 16981
33379 86704 84816 85219 96064 99089 31489 67737 12215 09040
13741 13032 17565 42217 24165 78592 73647 97221 63021 56500
34660 25895 06083 78210 58550 73823 07776 91190 89880 37069
21779 76271 58845 65684 88387 52450 57327 21349 41957 41221

62022 97435 61403 12779 81076 01025 19713 12068 74924 45912
89606 40945 46639 95213 09913 45857 33895 53860 33618 70511
03004 54249 99498 16393 34615 61722 92812 47863 41218 00000

15672/13892/15672/13892 kHz, 12-09, 0025/0035/0125/0135 UTC

The first Cuban F01 transmission that I've heard with the message date different than the broadcast date.
Not a decoding error. (Danix)

11177 00117 75129 09041 02109
77237 25376 81364 03585 09980 24901 20063 90838 73100 50318
01791 03594 84692 90303 37949 91942 06595 61143 72733 92444
99383 29543 94955 73907 27290 50417 93621 25391 88705 27919
63684 66727 41006 44373 47217 95689 55215 99162 10532 19768
20643 36904 85129 73809 23187 41638 55012 64856 25269 13315
26944 60743 79002 26903 55871 70604 13029 60935 43643 19109
45625 91774 11913 87493 13879 38840 08682 38505 92685 28367
87266 29703 72351 78941 64354 87335 01457 07899 39464 55560
62699 29655 38673 60269 30876 52400 68549 46832 36224 70496
54642 51613 77121 08901 34858 22063 61057 42003 39043 34245
38113 15813 39754 49672 10137 76391 04118 64347 70745 30729
93027 99520 83596 56302 07473 01675 78890 78031 03673 22153
38285 80869 33743 71396 42029 57464 91231 81389 24510 01330
00222 47985 47860 06437 58109 30264 38670 81981 64850 15970
62895 02728 17797 98898 05202 43730 01580 00475 31420 13004
82202 45840 84254 27575 22866 00912 69482 82786 77094 54223
96574 39440 60228 43111 90002 57691 98765 11485 76691 43676
97609 07668 77665 37697 26407 54012 80152 07164 95351 10070
81641 49862 25232 73901 50697 92899 89363 60449 66419 80490
55016 02884 98344 91757 62425 50529 77681 20328 74638 04979
75137 80952 13273 32386 16091 91509 49682 46534 41208 00000

20618/18048/20618/18048 kHz, 16-09, 2230/2240/2320/2340 UTC

Link ID 00116, Date 16th, Serial #42, Groups 195

11177 00116 82539 16042 01959
06083 78210 58550 73823 07776 91190 89880 37069 21779 76271
58845 65684 88387 52450 57327 21349 41957 41221 62022 97435
61403 12779 81076 01025 19713 12068 74924 45912 89606 40945
46639 95213 09913 45857 33895 53860 33618 70511 03004 54249
99498 16393 34615 61722 92812 47863 77237 25376 81364 03585
09980 24901 20063 90838 73100 50318 01791 03594 84692 90303
37949 91942 06595 61143 72733 92444 99383 29543 94955 73907
27290 50417 93621 25391 88705 27919 63684 66727 41006 44373
47217 95689 55215 99162 10532 19768 20643 36904 85129 73809
23187 41638 55012 64856 25269 13315 26944 60743 79002 26903
55871 70604 13029 60935 43643 19109 45625 91774 11913 87493
13879 38840 08682 38505 92685 28367 87266 29703 72351 78941
64354 87335 01457 07899 39464 55560 62699 29655 38673 60269
30876 52400 68549 46832 36224 70496 54642 51613 77121 08901
34858 22063 61057 42003 39043 34245 38113 15813 39754 49672
10137 76391 04118 64347 70745 30729 93027 99520 83596 56302
07473 01675 78890 78031 03673 22153 38285 80869 33743 71396
42029 57464 91231 81389 24510 01330 00222 47985 47860 06437
58109 30264 38670 81981 64850 15970 62895 02728 17797 98898
05202 43730 01580 42193 00000

20618/18048 kHz, 30-09, 2230/2240 UTC, poor copy

11177 00116 _____ 30044 01969
69143 67697 60907 66877 66537 69726 40754 01280 15207 16495
35110 07081 64149 86225 23273 90150 69792 89910 36360 44966
41980 49055 01602 88498 34491 75762 42550 _____

_____ 51326 06968 08675
44605 53915 04967 43096 60458 28685 34017 78089 78397 25024
80626 56634 17130 82901 08167 88213 89354 12277 91404 78768
08614 52593 88435 05934 62532 00098 09672 14484 98441 96809
36389 50171 98267 59397 97350 41943 14364 22761 85113 06447
53827 35374 80016 45831 22955 46312 06519 44681 08129 88682
02498 15646 86357 42402 72016 19499 69420 23689 28673 53591
79905 21020 63699 _____

_____ 68898 81680 48442 96455 47057 64353 73283 08669 71931

_____ 56004 03208 69923 54810 72499 23667
74696 09951 73085 43946 23862 70767 43124 75580 77377 92078
20714 61121 _____ 44194 00000

M42d (F06) – FSK 200/1000

Link 16404 / 16405

18178/15613/13459 kHz, 14-09/15-09/28-09/29-09, 0800/0810/0820 UTC

Block No 0 : Total Message Size 15 blocks : This transmission contains one message.

Block No 1: Link ID 16404: 13th of month: Msg Number 010 : Msg Type 07145 : Group Count (?) 92

53100 20128 40442 33576 59836 03233 23198 57773

Link ID 16404, Date 13th, Serial #4, Groups 77

1be9 4014 cf6c 820a 5ceb
9dfa 4ea0 738c fd54 43e0 ba70 b86a af3c 6750 ea52
9591 cd66 1ad7 4078 0488 d914 8a2f 8268 94fa d7cb
8ea2 96fd 0a30 f4d4 9475 b9d2 ffad 7a43 3aec cf69
8eaa 1110 b3a3 09d2 50eb 0337 9567 1574 2cf8 4b9b
17a5 f51e 52e7 8ad2 2b1d cf5f b1c4 04d0 4b73 720c
d963 80dc 227d d315 601d b3af 2570 6af7 74e6 86ca
2acd 9f61 7d50 dd87 3699 0495 9308 2de6 81a3 9b5b
7387 0302 c57a 1b02 135b d7c9 5a00

Link 20492

16146/13385/11434 kHz, 14-09, 0915/0925/0935 UTC

Link ID 20492, Null message

16146/13385/11434 kHz, 28-09, 0915/0925/0935 UTC

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

Block No 1: Link ID 20492: 28th of month: Msg Number 002 : Msg Type 07145 : Group Count (?) 4

02965 00000 00000 02343 50076 33743 00893 08286

Link 20496

13836 kHz, 06-09, 1050 UTC

Link ID 20496, Date 5th, Serial #3, Groups 194

1be9 5010 ce64 3207 d4e4

d0e0 d9c9 c9d8 b4cd 8030 fe96 8471 cb3d 08d6 ca39
fc26 7d40 b754 5037 c926 3136 3544 256d f0d6 57f1
8bdf a1b7 2820 d473 ca9f 7e9f 7511 5b16 2b8a b3e7
b2f0 874e df25 5db3 3831 65a3 7319 94f6 6713 558d
ae18 c206 9773 fc92 5d1e 319a 76e6 5605 4234 e252
c333 71fc 7200 1c5d d438 b88e 06eb fa48 0157 9f1f
cc2d 5cff 27ab 63e3 4798 57ad 3a4d 978a 602d a6e1
cb42 4bf3 13b0 40b0 43ba 2ab4 980c deb5 c9e7 6a55
e738 e2cc e76a 5ef4 9357 a989 0b45 af59 9d61 682d
3264 c27c 76b1 7075 0a0f 96fb 96e8 7d86 718a 1774
75bb 7a85 c086 6712 4868 7c6d fc26 890e cbea 0edc
fb80 7a89 0875 aa94 75f9 37cc 2715 4aa6 6698 6709
14a0 cf29 0116 da3b cc49 17bb 6650 fd25 a369 d3c6
c949 b84d 3f67 acf0 0ae8 a70f 60ab 1a4a 8765 bf4d
02ae 5791 53e5 a8c6 e486 7122 0fa4 929f c466 3726
ae5d 85de 2235 820f 048b d9e4 0e9b fae9 830f 8eef
67ca 5e75 daa4 75e1 6495 e369 3188 6d69 d082 0c72
c873 ab24 7da7 b647 394c 281a 5e52 40a2 36af bb78
771a 2eb2 75ae 51c1 de9d 73ab 539b 4e96 6a98 d112
f774 945c cad1 0504

Link 20501

16253/14387/12075 kHz, 04-09, 1530/1540/1550 UTC

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

Block No 1 : Link ID 20501 : 4th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
51652 00000 00000 00441 21447 36470 00893 03632

15848/13385/11089 kHz, 06-09, 1650/1700/1710 UTC

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

Block No 1 : Link ID 20501 : 6th of month : Msg Number 157 : Msg Type 07145 : Group Count (?) 4
44660 00000 00000 03195 12857 33420 00893 25214

15848/13385/11089 kHz, 13-09, 1650/1700/1710 UTC

Link ID 20501, Null message

16253/14387/12075 kHz, 18-09, 1530/1540/1550 UTC

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

Block No 1 : Link ID 20501 : 18th of month : Msg Number 145 : Msg Type 07145 : Group Count (?) 4
39180 00000 00000 00813 12857 00505 00893 13919

15848/13385/11089 kHz, 20-09, 1650/1700/1710 UTC

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

Block No 1 : Link ID 20501 : 20th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4
01476 00000 00000 03912 26517 33959 00893 32528

16253/14387/12075 kHz, 25-09, 1530/1540/1550 UTC

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

Block No 1: Link ID 20501: 25th of month: Msg Number 145 : Msg Type 07145 : Group Count (?) 4
56988 00000 00000 03668 12857 00712 00893 21048

15848/13385/11089 kHz, 27-09, 1650/1700/1710 UTC

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

Block No 1: Link ID 20501: 27th of month: Msg Number 157 : Msg Type 07145 : Group Count (?) 4
48949 00000 00000 00975 12857 35570 00893 04458

Link 28676

9433/13389/16264 kHz,1200/1210/1220 UTC

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

Block No 1 : Link ID 28676 : 12th of month : Msg Number 102 : Msg Type 07145 : Group Count (?) 214
11360 29816 16659 39218 38497 35796 51955 18148

1be9 7004 2c60 7866 d6f7
4113 7478 0866 67fd a1d7 398c c83d 1dca 82d3 a1f8
e6c5 c481 ecaf 0439 ed2b 1688 f472 07a8 9a50 bb3e
2b8a 63e2 fa65 dee8 9d4d f920 5759 b384 5837 c9b9
bd10 f0de f21a 116d f3d4 1e12 6793 3fa1 d8f7 8e92
626a 4865 cb54 55f7 c900 c2e5 e520 b17e a34e 0844
a1d6 ab46 3cda 79f4 fbc0 c743 9774 c745 4ed2 2ef2
3a0b b65d bcea c587 ccd6 d8d9 80a2 021d 1a4b 321b
69c5 4f71 3c7c 45bd 7899 edf0 aec1 9572 4035 c2fa
ebf8 a3e0 b94d 2de1 91bc 4933 53a1 dd42 6ee5 803c
cd98 3850 df59 e34a 583e fdbe 6fbe 1b81 8eec 8b7e
3b82 3c87 7b1f 44e1 5577 c6ff 8dc2 8819 4ac2 8378
d755 969d b59b 1951 092c 8cd3 4488 c27d f97b ba5a
00f9 85e7 02fd 9f95 63e4 d28d 8017 0a43 9ada c692
25b4 6c5c b22c 0a47 fda2 049e 59a1 561a 1783 5c4b
1f8e 83f2 e6f4 7339 809c 4f93 6da5 4f19 e208 28a0
cad9 4b16 090d cf9d 089d 4ac7 72ae 1e7b 0b2c 5704
b17e 0582 c358 9281 a1b2 084f a9f5 c2b3 5a9c 6cb4
ae81 dba5 8b34 6e20 e61c 1704 2a31 1d33 1d59 d694
864d c8f2 b1b7 3321 34c3 2869 d450 21ec 8652 a977
9bc8 eee3 1263 c80c 0e16 9c1e

Link 32816/32817

15930/13503/11109 kHz, 07-09/08-09, 0600/0610/0620 UTC

Link ID 32817, Date 3rd, Serial #83, Groups 297

1be9 8031 72b4 1ecf 43f4
b618 27d5 1cb9 4518 14ed 38db c841 b1c6 5762 f149
eca7 4e0a 5c70 135a 2137 acc2 7e87 611c 1d8b 5300
a9c6 cdee d803 06e8 2653 a7e6 2bf1 4ef3 fd83 0d73
a247 d21d eaf0 ab14 e47d b357 39e5 c174 8aad c8fb
17d8 8a80 516e c236 27e6 ee31 4b1a fdd6 54c7 c71d
a632 5cc9 9f8a 3f79 41a2 1d89 7be1 9d62 d6f1 8d01
3cc2 1865 4cef 45ea a460 8f1c 6446 6421 e568 a418
1728 30c0 242d 76f1 43de b2f4 5079 4f56 cf16 0597
af93 bd87 24aa 3fdd d33a 2414 a2c0 e898 d9e8 23cf
0120 d922 adb2 b020 b8ed 2e65 693c 0995 9290 6e71
b6df 5d93 80e5 7391 307e bba4 6079 b32f d6f3 816a
8e60 6e1e 98e1 38e7 _____
_____ 88fb 7979 06a5 2a50 fb92 7030 5760 2d0a ff2c
d606 1145 d23e 2aca 8c31 6514 e630 d137 ccb3 0b94
58df ee09 aa9d 6dd9 a646 19a2 1644 931e b6a3 _____
_____ 3337 23ea 8876 2704
2d1f e113 94f9 436b 70e7 0792 fd3d c85f cd0e c9f0
ddf9 9996 445c 4726 b694 3055 e2e1 83cf 0908 43ef
9607 e107 289a a335 6de8 d7c7 05b1 e39d 0f73 7c38
e153 cee8 ae14 c8ad d606 7af9 247c 9912 a2d4 d7f4

3c91 ab3a 08bc 4342 8239 _____
_____ 7749 382a d968 1ef3 ef75 c111 8547 4170
a503 85e3 6c7d 48c5 6101 7156 _____
_____ 560a f3dc e716 0808 c720 772b dfb7
1514 c548 a4ed 2550 2444 8dda 5898 ae3a 61a9 76f9
be5e 5c12 2771 8854 f817 88a5 ce14 8354 b3ec 90c6
6404 90b4 50ed 175e 6b5a aaab aa01 33c9 f723 88dc
487c ffee 0de9 6ff9 6ef2 9e12 9c66 c5ba a88a b89b
7066 7c14 b326 d145 544f 9d3b cf12 e5ff 3116 9fb7
f8ed a05b 6cba 6d96 0a96 6473 1900

15930/13503/11109 kHz, 14-09/15-09, 0600/0610/0620 UTC

Link ID 32817, Date 10th, Serial #84, Groups 234

Link ID 32817, Date 10th, Serial #85, Groups 319

15930/13503/11109 kHz, 21-09, 0600/0610/0620 UTC

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

Block No 1 : Link ID 32816 21st of month : Msg Number 182 : Msg Type 07145 : Group Count (?) 4

32420 00000 00000 01859 55757 36863 00893 59056

15930/13503/11109 kHz, 28-09/29-09, 0600/0610/0620 UTC

Link ID 32817, Date 24th, Serial #86, Groups 359

1be9 8031 35b0 f0d7 87e6
78cb 16e3 ee08 08ae 826e 46d3 9974 6274 a237 79d2
4a8a e603 9206 5776 8ccc 7855 5c77 498a 3a11 ec1d
b13e 97ba 8901 52c7 eb84 d872 a98a a3cc 5c78 96b8
6434 1176 89d0 ebe7 28f1 ec9c e374 6d6d 2d7f d93a
f004 a5f4 7ab4 1541 ba74 5177 e0ad 0de7 5de7 184a
1795 f213 e8c2 9f60 abe5 6fc0 c5c9 6416 73cb 79e2
dc7f b_12 efc3 1_06 f747 99f_ c39a bef3 d_cf 6505
9b_5 ba59 97db 6a44 1f4b ca71 b3c5 5830 4667 10ac
59f3 5709 9359 54be 6356 0957 b452 ae04 7914 3c1e
b8a4 2c79 4c78 8896 f649 1bf2 065a c5ed bd99 0223
8f58 7f88 29bd 6189 07cc 924e a107 2d46 286c d83d
ea3c 859f c76a de88 3cab 3d6a 725f ca34 f03d 3a49
0e17 d2cb 8de4 6400 06a5 645c cd18 cf91 5ee7 572a
5b04 b65b d745 515f 8641 5b4e 6f4a c38e b192 cdcc
27fc 3484 0854 3439 c640 5915 f125 c435 12f6 d514
b050 538d 7fcd 29a7 b29a a059 947b d461 5b78 beaa
1695 c8c8 4833 16e0 08da 3435 c1b2 2c29 17fc 14b4
0ff6 5e5a f993 cfb3 dfa1 9e06 b893 6368 7648 cbe2
3153 a86d ea18 17b5 6a3d b843 b80a 9e18 173a db1e
c080 d7f5 9d4c 0426 a4c8 3e28 8e50 90e7 70e3 a061
1633 c0a_ bc06 3d41 4b_0 52_3 c657 b54e 9cb3 9171
47b1 2ae6 58e2 363d 99ca f0c3 59ba a4e1 fb18 d554
df48 f63e 8d03 8a00 9b71 7070 6e06 8f3d b789 fdac
8360 2a3d c9a9 c77d fa86 2b9b 6031 e53a 2abd bb32
9435 06ff 51_2 2__e 21e4 977b 3941 0866 5dc8 fd9c
dc46 4b8b ccd9 f944 6bae 0c57 4b66 0371 2b54 71c6
4789 13e6 67af 9d15 78c9 6cd3 035e a9a5 3f4c bb11
1edb b295 467d 3438 e9b4 f7e2 50d2 a1bd 2217 2d42
fa15 b120 7981 0956 1771 1077 e9c3 9d31 4c13 3d63
9f82 b24b 9854 a285 166b 6690 74cf 1f8b 7dc8 72c2
5d8e 4a6d 3395 d1de 306f 6e21 55bf 8bc7 529b 6cc2
c465 1f11 b271 7db1 1e57 9b66 7141 6e33 5054 0b14
4ce8 fb8c a14d d8e2 3ee1 b25e ca81 a0dd a828 98d2
d781 57e6 942c 2248 6dab 85c6 4097 2144 684d e8c_
98_1 ec67 7bec _b86 1360 0d8b 14d2 27ed 10b1 568e
fddc 1355 eef1 b384 0886 ee2d 8228 cdcc a7e9

15928/13396/11143 kHz, 03-09, 2100/2110/2120 UTC

Link ID 32821, Null message

15928/13396/11143 kHz, 10-09, 2100/2110/2120 UTC

This low-traffic schedule continues the streak of traffic that started mid-August.

Link ID 32821, Date 8th, Serial #28, Groups 191

1be9 8035 386c 5046 d0ef
b85b 9c95 92d6 5352 0569 5486 950d 6229 eaa7 181c
84e9 d713 07f9 2c8b 753a a6e2 e8e1 7e38 f57f 9d8f
37f6 98c7 12c5 1fb1 a1c2 1c6f 4065 bfc6 258b d058
811b 9951 f390 9f3b 8838 26b2 b682 435c d25a ba47
9dea 1c03 131e 6ff0 7e58 10b7 8633 8abc c0a0 0c7b
ca23 3eed d93b 79d5 4825 8b06 5e47 76a6 989c eb2a
e6fc 8374 ae13 529e dce5 5e9f af54 e31e 3fc6 9eb0
dba0 7284 9e96 89de 19d8 29ea 1758 b1a8 ed25 efd5
8f3a 985d 9881 5f04 6292 dc57 498b d1c8 7b82 33ab
a3de 6e0d df36 175e d8a9 0aaa 703a e3e4 c7a9 4eb3
ddaf 47bb 7a91 e52b c9a2 95e2 8671 9108 ea10 b92b
163a 48d7 d4fa 44b6 6995 f4d4 187d 4ce7 3c94 709a
cb90 02d7 0363 2f3e 2ae4 051a df50 faa7 cadb 4b8d
9114 0f68 bd56 9368 0520 d404 6d27 65f9 c408 ba0d
1d5c eb05 db41 d420 3c85 59d4 7e8c 64dc d073 28ba
88d5 8f5e f31a 73c2 98d4 e291 0d39 8216 0dea 9d54
c16d e884 c0f6 0011 f6e3 72dc fa45 7d83 2a23 b317
77e4 91c1 822d 53c3 9b16 3411 8216 eb5b 02ba b244
96be d7b2 1374 c140 7d68 6789 27d7 478c 0157 336c
2580

15928/13396/11143 kHz, 17-09/18-09, 2100/2110/2120 UTC

Block No 0 : Total Message Size 22 blocks : This transmission contains one message.

Block No 1 : Link ID 32821 : 16th of month : Msg Number 072 : Msg Type 07145 : Group Count (?) 132
00580 41365 07546 40845 22795 34036 09142 01087

Link ID 32821, Date 16th, Serial #29, Groups 121

1be9 8035 0244 a048 84ea
1d7a a195 9556 5488 e3d9 a486 f90d 5415 aab5 1822
c4e9 0208 62a6 85be 0448 8ea9 0f63 8252 ed6b 28e0
9638 716d 0857 af9c aa27 4746 b8e2 8f03 58b4 54c1
6169 e3f0 b150 a27f a675 b53c e737 2b31 adf4 56f1
470c 5e0e 99d8 3401 4824 8b76 4252 4a3a 2492 0e8f
4872 89ea ff5c f138 e0e0 949f 0b95 c633 7d47 f8a0
b735 7059 1e7a 8c3a da24 442f aaee f8de d9c7 b6a6
6ad5 5ed2 3743 eb47 7235 83d0 06f4 5c72 19c3 f3e7
49e8 266b 5be3 723d b2b8 43b8 136a b486 eb1c 5c30
a719 2324 0f32 1833 ee25 c634 5ba0 5372 d82d 88a4
2c64 439d ee37 d633 f2f1 5917 df11 8a24 1aa8 6602
ed0f 5c6e af90 1f22 2291 c23f 6a69 91d7 054f 5d8e
4000

15928/13396/11143 kHz, 24-09/25-09, 2100/2110/2120 UTC

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

lock No 1: Link ID 32821: 24th of month: Msg Number 107 : Msg Type 06633 : Group Count (?) 6
39180 00000 00000 02850 14076 01534 00893 41627

16174/14855/12214 kHz, 03-09/04-09, 1100/1110/1120 UTC

Link ID 36882, Date 2nd, Serial #62, Groups 47

1be9 9012 3304 149b 34e7

b83d b1f6 e983 514f 6b83 4d1d 97a8 4d22 c105 7cd1
a393 a2c3 a49d ad2c 7888 f721 938f b9df 2b8d 4250
dae3 b19a 91e8 b7c7 5aa0 037c d1f0 d887 d2b1 df02
93ce fdd1 b2ee a85f 87ed 50fc e8b1 c51e 0454 0a95
049b 9d11 11aa 7380 44d7 ba52 c7d0

16174/14855/12214 kHz, 10-09, 1100/1110/1120 UTC

Link ID 36882, Date 9th, Serial #63, Groups 60

1be9 9012 0da4 5a9d 42e6

c3bc b016 e983 5140 e9f3 2f1d 97a8 51ab 8102 7cd1
a390 e905 e33e 4531 6436 ec86 8b3b 781e 7ca2 b9c3
0bd2 bcf0 4c90 d146 abbd b54a 6979 3a0a 034c 2358
18ce cae6 8060 6d1f a41c cfc5 d567 7953 6bd1 c99c
286a 3e7a 4574 eb95 9ebb f338 45e9 27a6 73a2 299e
2b40 a979 65d5 e291 0473 1fe0 24e1 bc11 7de7 6a00

16174/14855/12214 kHz, 17-09/18-09, 1100/1110/1120 UTC

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

Block No 1 : Link ID 36882 : 16th of month : Msg Number 160 : Msg Type 07145 : Group Count (?) 222

19524 46198 57311 39585 28573 01934 31780 04405

Link ID 36882, Date 16th, Serial #64, Groups 204

1be9 9012 4c44 a0a0 dee4

dfdf b476 e983 5122 4d13 d91d 97a8 46b3 0119 7cd1
a391 fc23 6bae b424 7195 5347 0f3c 68f8 ab59 bbb4
0559 a03c 06c4 f547 2e14 fcd6 ae9c 0d64 fc43 cf47
95df 7e61 a785 df2c 6ad8 5888 d773 57bb 0998 97e5
089d 2c03 4c16 8ff6 29c8 0210 565f d5b1 0bcf 6561
e2f0 8293 2216 ed1e a76e fb4f 241f d041 bd82 089a
d6b5 d021 b4b6 2f5b 2fc2 0c11 8dfc f91e 1ecf a070
5f81 1850 31d0 9d1a 4c43 7489 255c 8d0e 3e38 0063
bf26 415d 7836 0cf0 5498 02b7 5350 866a 6398 ca93
2778 1ad4 3395 749b a6ff 1f70 33f3 e1f9 c1bc bd17
007c 6563 ba8a 7942 280d 2940 ce64 a648 708a 59a3
9b9a 4d84 c28d bb23 ab37 e482 a4f3 2635 186f f2c7
5f52 83d4 73db 1666 2072 8e90 72ac fd96 91c0 fc2a
c392 b34d cb74 9522 6da9 3706 247c 8c2d 4f9f fce7
b8ba dcc5 a74f e838 49b2 77e5 1e85 a30c 9ac9 83b0
54d5 f4b3 dc47 2fc8 b712 b306 08c9 833f 8bc4 fa65
0ba8 3755 4b15 c0f1 18c2 02fe 65ce a7a8 2b54 c458
7486 7ab8 b5c8 1204 05a1 bded 0558 141a 0e9d 52fa
b532 fae7 5295 05c7 42cb bdf2 346e b34c 579e a40e
3687 8dd0 7e87 cf45 2f8b 0c30 21b3 90c2 35fd 067c
2bda f6c7 d269 8000

16174/14855/12214 kHz, 24-09/25-09, 1100/1110/1120 UTC

Block No 0 : Total Message Size 22 blocks : This transmission contains one message.

Block No 1 : Link ID 36882 : 23rd of month : Msg Number 162 : Msg Type 07145 : Group Count (?) 136

48724 47318 15516 38990 31234 34340 22383 52700

Link ID 36882, Date 23rd, Serial #65, Groups 125
1be9 9012 be54 e6a2 88ed
3c9c b8d6 e983 5014 49f0 371d 97a8 5afd 8126 7cd1
a393 1a83 d056 135f e238 81c2 7091 48fc 012f a744
7f24 0666 af49 d0ea dc5a e3c0 4097 4f63 784e b388
39aa f850 cbb8 4a35 b00d 96bf 6606 4ddb 7a4b 1f0b
6d92 e7ca 6e2f 38f7 dc9c 2de3 98bf 6353 ec7d 0962
96a2 e653 0036 da52 277e a403 5ed3 f835 3f64 5868
ca1b 8a40 3258 587b 46a3 5790 bbf1 0a02 959c 0499
2c0f 3e32 d05c c867 4322 0305 d8f3 8d7f 6d10 7fb1
ceca a05d 7ba9 9bb1 0900 a700 4771 0b8a d3ec 189a
15df b9d4 58a2 279d ac70 cef8 a8a1 39eb cb10 1bb2
2ee4 5272 150a b6d2 d792 cee2 e3c8 dee6 016c d4b9
a93a 0a9a d915 84e1 a28e f33a 52c6 0a00 587f a9cb
9fa6 7f5c a7db c805 9000

Link 40988

11158/9175/7919 kHz, 06-09/13-09, 2300/2310/2320 kHz

Link ID 40988, Null message

11158/9175/7919 kHz, 20-09, 2300/2310/2320 kHz

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

Block No 1 : Link ID 40988 : 20th of month : Msg Number 177 : Msg Type 07145 : Group Count (?) 4
23904 00000 00000 00305 06549 36489 00893 57188

Link 45057

16341/14706/12217 kHz, 10-09/24-09/25-09, 0900/0910/0920 UTC

Block No 0 : Total Message Size 21 blocks : This transmission contains one message.

Block No 1 : Link ID 45057 : 9th of month : Msg Number 217 : Msg Type 07145 : Group Count (?) 129
21964 34259 38115 15699 59621 33963 01917 35976

Link ID 45057, Date 9th, Serial #87, Groups 118
1be9 b001 55cc 5ad9 81f3
94e3 85d3 1182 56aa e1ad 5cf2 b30d 0b8b 5428 7f15
bb6d 8887 4f25 c9e1 148d 8c22 dd36 6a3b 7570 e54b
d723 89e4 1741 9008 9285 a238 bc7d 9277 c55e 29e9
0684 bd6a 9852 6a94 ee03 d147 5d01 1e14 fac6 96e5
1ad5 53da 79ad 2ee8 67a4 6f6b 5be5 601d 4592 19d9
8d44 9a3b 312d 171e cbe5 1f6a 8c80 1fd1 be8e 6ec7
a510 7f50 fea8 e0b3 3646 bbcb cc7a 850a de32 0d6a
81d3 58d2 5d28 b76d f87e 3e36 c36c 30fd 5b18 3330
e664 4f6c 9193 7653 ae48 8852 f19c b452 1022 e990
0c7a 0a74 3d83 e21f 1a20 bad3 d5c5 6898 b771 0136
baef ee45 3afc 711b 5ca6 2fb7 1c38 ee8d c228 5209
21e7 da27 13c4 a920 a3fc b885 7f9a c8af

Link 45075

15938/13553/11462 kHz, 01-09, 0800/0810/0820 UTC

Note: 0820 UTC txm used 250 shift !

Block No 0 : Total Message Size 43 blocks : This transmission contains one message.

Block No 1 : Link ID 45075 : 26th of month : Msg Number 025 : Msg Type 07145 : Group Count (?) 34
53101 37975 34424 14811 09055 05177 47587 50270

16324/14616/12188 kHz, 07-09, 0800/0810/0820 UTC

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

Block No 1 : Link ID 45075 : 7th of month : Msg Number 092 : Msg Type 07145 : Group Count (?) 4
63352 00000 00000 03379 09055 36343 00893 12192

16324/14616/12188 kHz, 14-09, 0800/0810/0820 UTC

Link ID 45075, Null message

16324/14616/12188 kHz, 21-09, 0800/0810/0820 UTC

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

Block No 1 : Link ID 45075 : 21st of month : Msg Number 077: Msg Type 07145 : Group Count (?) 4
64232 00000 00000 02587 09055 33775 00893 44137

16324/14616/12188 kHz, 28-09, 0800/0810/0820 UTC

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

Block No 1: Link ID 45075: 28th of month: Msg Number 152 : Msg Type 07145 : Group Count (?) 4
46241 00000 00000 02972 26649 34644 00893 40445

Link 45079

7923/6776 kHz, 19-09, 0410/0420 UTC

10161/8184 kHz, 21-09, 2120/2130 UTC

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

Block No 1 : Link ID 45079 : 13th of month : Msg Number 040 : Msg Type 07145 : Group Count (?) 216
04836 18164 43451 03271 42071 07255 22081 48330

Link ID 45079, Date 13th, Serial #16, Groups 434

1be9 b017 12e4 8228 d8e3
a9bb 46f4 ddd7 0983 571a d41a f917 d97d dcd8 47fa
2318 73b0 4b0d f71b 30c1 1ce5 9c9f 8542 9814 b62d
616f c707 65c2 a5ea 6957 db0c 6448 bdec 2cf2 9560
6e6a be0a 1c89 a138 972f 9cfc a157 de93 2363 3cbf
e630 1068 4b56 7827 34db 79b1 ae25 65cc 87d6 7cfc
cfc9 da7b 7bdc e826 21ee 345b 50c8 a1c1 479d ad3c
720a b779 6fdb 3470 86f6 7b6a c46b b075 0c6f fe5a
5ace fb25 f8eb 2152 16a1 ee57 9ae3 1935 0e84 de4c
ecbd 783e e134 049d d715 b8b4 a53e 591e 333a f9be
8856 2350 68f3 6737 e1a4 8a94 4221 e7f1 6eed 78b0
3b21 75e1 c6c1 ad60 eb9d a53c 63b1 bf67 b0a8 12df
2e94 b93b 2a21 0fb7 ee51 cc01 1173 7c0a 9c7e f1f5
9c84 85bd 605e a94a bb04 3a78 5577 a674 abf7 6c0f
d0e1 ed04 76a6 07f0 0647 4e04 274a 1067 9e98 cd59
b999 2284 e94c e8bf d15f 9056 3eac a424 79e1 1731
e580 ad58 41c6 148d e0c4 6c32 baf2 4ea2 a188 375e
d6c1 230e 4913 1a60 8b9d 0f15 469e f205 d554 d468
9806 2b01 df9f e305 22db efba a596 e419 f3fd 2f85
1d0d 40c9 32e6 c598 219b b256 c860 9494 22ea d4d5
ac66 150e a796 1225 dc52 583c 69cb 9ac2 5dbd fcde
5b43 aeef 1994 26a4 8872 3540 2a58 814e b5f5 d0c4
dd11 a887 a352 8b83 d769 12ed c2e2 43ec c585 bf79
3e61 e51c 2368 ddae f4f6 a1f1 c0b6 bd9e 7c1b d1a6
e53b 6237 c516 c035 685e 0246 f02b 2fed d490 8c24
331b 36fd 092f b6ed 79a1 61e9 7bc6 76d2 c1a5 2a5d
387e 5245 d332 d939 8c28 f053 81d5 c301 00b4 4118
fbd0 d645 b75b 5332 ab6b 91b1 7360 c855 f03a 25b8
b80e 193f 510e b087 6a47 ca15 c2c0 f97c 720c d4d3
e765 8d98 5826 77ca d6e9 92a3 c7c1 e694 c0d8 5c57
065b edd9 62f5 4af0 a9f3 9a35 6c5e 70e8 4dc9 2d40
130d 14b9 c474 08df dba4 0575 7f95 3b73 752d 4491
c777 4a97 4720 7205 f467 ce34 5782 3928 a681 d8a8

741e 4ef7 cf73 9a93 6d8b 916a 6f4d 1f71 8a7b 5fd6
d233 e378 8624 d224 541b e855 16d3 e4b8 692d 725e
4668 73ac 0637 b47b 3d17 a2d7 ded9 962d b94a 4035
43fc 9eb5 d43c 0d9b 3c58 16df 51f4 bcbd 7e02 35c4
90ca 40ca 66c7 1acb 0d16 70f1 1a28 2eaf 92d1 d22e
1d1d f363 e954 457c 8ec2 7d15 65c6 d77c 5e2f fd92
6f4d c7de 384c 5580 5218 1fac 31b1 0da4 7eff 5ced
804f 8ee2 15d2 4c56 3cab 96bc e736 3a84 6f32 8d38
4941 28b0 a910 c827 81ec 1319 6370 f824 4ab1 5582
df91 2dc3 ea2f 452b 9cd5 454a f821 a7e1 b74f 0a1b
189b 58e7 2a24 64bb b784 d735 199b 765a 1df7 231f
6406 a786 1368 d600

Link 45114 / 45115

13384/11463/9328 kHz, 10-09, 0800/0810/0820 UTC

Link ID 45114, Date 9th, Serial #39, Groups 99

1be9 b03a b24c 5a61 6cf6
c850 06e3 c015 b8ba 51fb d335 9307 0224 3330 2c00
1776 c89d 4962 7b3c fe69 25a1 c9b6 a9af 891d 3dd0
c74b 4499 9613 e9ef 2096 e914 b153 96ae ad3f b646
7d19 e828 bbd6 dd13 a114 f267 f222 daa3 3975 954d
4692 ce43 d79e b2f5 afe5 746a 1b2b 1964 d142 7184
d057 3b0a 102c 85a1 9085 1305 9aa2 c400 bed0 0087
ab2f 26f4 09ba 357c e598 2dd5 750a 6e2d 56f1 8da5
0326 5a25 a3e5 716f f088 0566 107c 3bd5 6396 6653
01d2 af30 2863 3f1e 69c8 1fe7 6b5d b73f 5815 9593
d958 3cb8 00b9 6697 8190 4760 5673 67e3 a580

13384/11463/9328 kHz, 24-09/25-09, 0800/0810/0820 UTC

Link ID 45114, Date 23rd, Serial #40, Groups 228

1be9 b03a 7bec e664 f8ee
e3de 15e3 c015 b838 5068 7735 9307 2cea f2b4 2c00
1776 e54f 129e 880e 72d7 b6c2 93a0 19e2 a215 5e26
9cdd da81 2d74 7b9e 50e6 ba13 3d04 5bc3 d2f5 6660
a5fd 598e c918 e22c 1e38 6268 99f1 482e ad8c 1f3c
c7c4 7e74 cde5 2dc9 b09c 2592 9bf6 2d2f 8a3d 477a
2551 649b 5c92 4a04 399e 0c8c f189 2a01 e405 64e3
79a8 abd2 75a2 ebbd 7607 52b9 0efb 9407 5668 55c5
63d3 bdc7 e9a3 1684 e5c8 23f0 a34f 9b4a 5eb2 78b1
4313 b5c2 6ea3 066d 4af1 c438 82bd 3236 40c1 9bd0
9dcd b34e cf79 872e dbff 59f7 c355 cfdc 230b a637
697a f6c0 a617 9163 6c7a c064 5e70 523e 1f4c 3e51
8cd4 e437 670b 9e27 1857 1a4d 8875 08ae 06ec c454
c1e3 ae7b 3382 3878 dff0 b83f daff 5d62 f1f6 eb1d
a0ba 61e8 dcea c3cf 9f37 1e0b 3578 0787 4911 9e7a
f371 c1b6 bdfd 340f 8f41 6460 ded4 ab6e 1271 798a
ce7b 5a26 b147 7fd8 c534 9770 8fb7 d648 47f6 9085
71d3 0ef5 f3a1 4bf4 f59c 83f2 f9b7 9eb5 1250 7093
6349 bdd0 732c 65c7 b34e 4fa4 c0b3 5eac b2f9 42d4
247e a622 1a80 cd60 9f9d 53a5 8d95 887e 948d 0ae5
4ef1 5d74 f174 8e0f 086d abe7 6d9a 9e70 f461 404a
1f37 9b04 9ed5 466d 1224 7a69 8017 066e 4c55 f55b
725d ec57 7f49 294a 694a d67e 09c9 952c 1ea3 7143
3cce 5cc4 1b8d 4063 7d33 cca4 a00f 6000

Link 49202

12184/10168/9286 kHz, 14-09/21-09, 2200/2210/2220 UTC

Link ID 49202, Null message

12184/10168/9286 kHz, 28-09, 2200/2210/2220 UTC

Null message

Block No 1 : Link ID 49202 : 28th of month : Msg Number 002 : Msg Type 02761 : Group Count (?) 12

55561 00000 00000 02841 28271 33363 00893 37848. (28 Sep 16) (RL).

Link 49237

14396/12194/10529 kHz, 01-09, 1330/1340/1350 UTC

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

Block No 1 : Link ID 49237 : 1st of month : Msg Number 027 : Msg Type 07145 : Group Count (?) 4

56404 00000 00000 01422 47143 35273 00825 26507

14396/12194/10529 kHz, 08-09, 1330/1340/1350 UTC

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

Block No 1 : Link ID 49237 : 8th of month : Msg Number 115 : Msg Type 07145 : Group Count (?) 4

62028 00000 00000 03056 58545 03850 00893 11251

14396/12194/10529 kHz, 15-09, 1330/1340/1350 UTC

Link ID 49237, Null message

14396/12194/10529 kHz, 22-09, 1330/1340/1350 UTC

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

Block No 1 : Link ID 49237 : 22nd of month : Msg Number 165 : Msg Type 07145 : Group Count (?) 4

11172 00000 00000 03026 64414 00458 00893 61177

14396/12194/10529 kHz, 29-09, 1330/1340/1350 UTC

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

Block No 1: Link ID 49237: 29th of month: Msg Number 147 : Msg Type 07145 : Group Count (?) 4

45925 00000 00000 04074 49619 35063 00893 08384

Link 53277

18517/16309/14464 kHz, 07-09, 1230/1240/1250 UTC

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

Block No 1 : Link ID 53277 : 7th of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4

51652 00000 00000 02263 22771 34597 00893 38833

18517/16309/14464 kHz, 21-09, 1230/1240/1250 UTC

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

Block No 1 : Link ID 53277 : 21st of month : Msg Number 002 : Msg Type 07145 : Group Count (?) 4

51652 00000 00000 00737 22771 33411 00893 16843

X06 - Mazielka

Code	Freq	Date	UTC	Sequence
X06	13411	6-9	1001	165423
X06	12100	13-9	1012	Mazielka. Sequence: 612534
X06	11294	16-9	1120	Mazielka. Sequence: 123456
X06	14863	30-9	1004	i.p.
X06	14863	30-9	1004	Mazielka. Sequence: 615243
X06b	16167	16-9	1819	Mazielka. Sequence 1--6-- before XPA2
X06b	13923	16-9	1820	Mazielka. Sequence 1--6-- before XPA2
X06b	16167	16-9	1821	Mazielka. Sequence 1--6-- before XPA2

Code	Freq	Date	UTC	Sequence
X06b	13923	16-9	1822	Mazielka. Sequence 1--6-- before XPA2
X06b	14663	16-9	1824	Mazielka. Sequence 1--6-- before XPA2
X06b	14663	16-9	1828	Mazielka. Sequence 1--6-- before XPA2
X06b	10359	17-9	0540	Mazielka. Sequence 1--6-- before XPA
X06b	13538	20-9	1714	Mazielka. Sequence: 1--6-- before XPA2
X06b	14538	20-9	1719	Mazielka. Sequence: 1--6-- before XPA2
X06b	16147	25-9	1413	Mazielka. Sequence: 1--6--



XPA

Mode: MFSK-20/10Bd

11576/10476/9276 kHz, 01-09, 1900/1920/1940 UTC

542 542 542 000

01194 00001 00000 10140

10359/11559/13559 kHz, 03-09, 0600/0620/0640 UTC

355 355 355 1 355 355 355 1 355 355 355 1

06610 00221 46447 31894 09092 57823 21228 92343 32706 01540
92351 09394 33971 96416 01268 91041 30418 06321 28050 48191
80088 24641 19880 02097 31418 96064 44431 79992 16269 48165
89224 43456 54204 59415 13583 95478 02891 90024 02702 56167
45901 22876 86391 67731 96794 65349 10531 51993 09912 65039
55981 61885 88672 07231 49922 47866 70671 19195 35093 07244
88276 85560 63754 76606 29045 33136 60512 31206 35958 33339
32362 37619 31647 52948 43116 99793 78803 39125 45773 33618
20933 67732 08658 69166 70088 63244 91712 62641 47825 61118
29547 52551 37888 62487 04217 36650 84763 58648 00523 78527
65431 58175 48327 72469 23509 40220 02088 07255 73435 98428
46300 02288 99741 15156 79122 01024 20480 06322 93279 87893
71311 70291 50526 88623 49462 42107 83306 11131 93738 74145
67182 64224 68747 36920 64257 07707 75773 55800 19614 09700
73920 49832 52720 06436 69296 41880 01665 21966 15699 82681
51334 07613 31457 37371 00214 77895 64666 93123 17617 72864
65640 98433 57172 98137 00141 12192 35239 27548 77858 26905
75975 41679 61352 15562 49589 25711 92964 10903 38319 46401
35802 65992 03176 15067 94910 18400 07067 63327 27223 20773
88801 49636 57654 65050 43653 54176 94142 70751 90555 56796
92198 39446 99765 14906 09113 77026 15470 23458 92224 42722
87692 45508 37315 54516 41058 44275 83910 95866 35454 64908
03052 51488 46315 31531

11576/10476/9276 kHz, 06-09, 1900/1920/1940 UTC

542 542 542 000

02429 00001 00000 10140

10359/11559/13559 kHz, 07-09, 0600/0620/0640 UTC

355 355 355 000

05215 00001 00000 10140

11576/10476/9276 kHz, 08-09, 1900/1920/1940 UTC

542 542 542 000

09599 00001 00000 10140

11576/10476/9276 kHz, 13-09, 1900/1920/1940 UTC

542 542 542 1 542 542 542 1 542 542 542 1
08283 00269 75549 34389 62655 32925 23950 63725 82757 37763
21594 46269 48101 99356 49446 28041 08104 84443 81192 57532
59210 48309 45636 63765 41810 43661 98113 68889 14371 11364
55117 24614 00605 63210 28543 02473 86638 20845 95052 57176
02368 71646 02475 43856 52455 40794 16970 48458 98116 08716
85922 52434 01797 53529 57928 17184 14645 80259 77628 24663
89391 97026 49346 46345 71200 64121 78782 75875 58015 05517
55486 70241 32693 76766 02960 10036 75757 09568 92184 73350
80649 20140 61902 15728 73379 68088 69255 66669 56747 31792
04074 21104 31667 47022 35534 20622 27873 97833 02855 66521
75723 44601 45644 88588 37601 40593 38491 93410 72000 94531
13140 69397 39769 05423 14364 79459 00453 97750 05437 21132
83991 93532 94595 95656 55574 67386 83234 12516 73784 46674
36008 44879 34465 57639 40735 24918 35569 22385 22937 32892
06209 06799 70858 61110 23624 31769 06253 66371 55032 36084
35581 56358 93350 67746 48429 54020 43459 11623 05735 86477
45004 43451 88890 16612 34521 84191 13131 04234 11771 34218
81617 84072 36582 73691 79529 42941 76082 55345 95619 47917
41947 17980 56465 30010 51777 98582 45054 78686 86013 42858
61010 03799 05360 96702 62651 53483 96733 60614 02154 29782
48810 74320 44655 98794 32422 18022 77874 67060 91288 37357
42088 11155 50771 18575 00197 00204 54731 56322 66180 57574
83598 37099 67682 02842 68978 17329 35685 63694 79422 18351
55928 94083 48819 90462 87627 04646 97345 26606 55534 44053
85010 92088 94620 18692 77999 24982 47199 60247 45483 87360
35920 62531 61333 68359 90723 55226 99200 35471 05856 64837
35380 80165 08030 80850 11206 31474 35925 33059 29485 78657
31307 13044

10359/11559/13559 kHz, 17-09, 0600/0620/0640 UTC

355 355 355 1 355 355 355 1 355 355 355 1
06287 00151 59765 52348 97605 30126 91960 21031 09019 64396
65980 64391 31724 91290 33289 53132 65286 36169 91513 64103
01609 38635 43053 51027 08332 86062 94574 33460 01908 16383
55683 35479 46094 26421 46921 46407 72128 79017 37613 85338
77364 42778 17702 84740 76898 85243 51357 82887 32350 03883
26386 72763 31927 18089 25990 48345 81796 04727 84002 98802
83510 12925 08151 13088 77840 08109 29590 95292 82721 97260
49959 69975 24511 04114 26432 89606 25278 51027 24588 38066
56639 58406 35340 53491 00153 79788 98400 73217 16981 97548
78730 90945 44360 32222 63404 09374 11716 55828 40909 07830
24543 90938 42142 62564 21005 83490 22250 41918 61546 00131
95538 03020 49105 67686 02271 74563 65601 79951 62464 99324
40509 37569 02764 18999 38010 38496 50254 12790 25011 73431
39712 64819 82572 99977 83796 32138 91736 41665 03836 80379
32480 04232 81056 66914 57814 36023 60087 32608 70709 75226
82115 78849 19190 21560

11576/10476/9276 kHz, 20-09, 1900/1920/1940 UTC

542 542 542 000
06935 00001 00000 10140

10359/11559/13559 kHz, 21-09, 0600/0620/0640 UTC

355 355 355 000
03239 00001 00000 10140

11576/10476/9276 kHz, 20-09, 1900/1920/1940 UTC

542 542 542 000

07422 00001 00000 10140

10359/11559/13559 kHz, 24-09, 0600/0620/0640 UTC

355 355 355 000

09155 00001 00000 10140

11576/10476/9276 kHz, 27-09, 1900/1920/1940 UTC

542 542 542 000

01839 00001 00000 10140

10359/11559/13559 kHz, 28-09, 0600/0620/0640 UTC

355 355 355 1 355 355 355 1 355 355 355 1

01216 00179 37735 27549 47621 55103 52184 64832 06163 21358

51973 88983 69698 92320 15224 53953 57834 06114 93274 31764

11527 55301 74860 75763 00050 52547 55519 35913 90736 30525

22489 25571 50374 77187 22059 55846 20912 31410 13727 07231

25626 22660 90941 52713 51735 96068 76848 51033 60577 03976

34609 73477 25421 41424 66638 10410 03079 84013 67360 41927

75044 87312 55304 80513 32383 50072 56558 68235 96206 40762

66262 27382 04542 84879 79164 41295 32587 85555 79433 56069

24105 27447 08116 58762 25941 27942 06108 79914 38163 99800

60600 25303 85349 28226 95734 74810 39675 78999 41524 66351

69948 94203 38389 20107 49628 19643 11280 29972 55379 91243

06882 23821 29811 21324 32355 75389 97448 87592 63774 66994

98302 02291 34388 52653 44746 62273 89986 01265 11938 56502

23652 79023 65100 93956 33143 67163 76058 75099 76289 18513

00122 21365 96740 50137 17441 55579 98122 25427 97668 83562

94937 11837 51552 12149 21122 37812 55237 13703 68325 37056

86847 67568 18664 32468 69441 05045 40233 62820 87665 09959

50007 89967 27598 27446 95765 51847 88298 14695 31793 64687

68402 24372



XPA2

Mode: MFSK-16/20Bd

16167/14663/13923 kHz, 02-09, 1900/1920/1940 UTC

04391 00001 00000 10140

16147/14947/14447 kHz, 02-09/04-09, 1500/1520/1540 UTC

01572 00183 38963 70870 49751 54680 08176 12654 23671 18008

32602 19904 81724 74993 94242 07976 97152 55979 76271 85211

49149 36062 87168 91847 72335 94126 83457 42529 94702 29214

85525 71716 47751 97421 22499 62701 16293 92054 07556 02998

07839 10093 95553 62949 43903 63459 39907 47015 23506 97486

17852 58337 28633 61704 60081 64285 93024 56660 62685 09357

65790 95669 85663 60862 00478 71250 14558 63945 47888 59119

88950 81655 65722 18235 80977 09932 26579 11242 83916 17966

27571 88988 77710 95506 74410 77956 14448 62883 94980 20004

52396 84407 28084 70937 49616 93665 65599 98086 65570 90596

75588 37717 91033 98466 80603 50466 06440 04640 48385 63332

92333 62050 91089 22598 46433 68304 88311 11469 01286 14337

99504 97050 36751 53235 03573 20095 35257 91629 97726 13686

41449 27015 75929 82262 68691 72855 79121 44036 26447 36281

15081 02476 98465 18839 62754 27889 35848 00113 93101 02629

17718 53904 58547 62261 05671 94190 87375 66363 93542 87644
17090 75659 98716 52673 31406 30552 00054 68298 86566 03250
98815 54182 04674 92796 83476 45664 04684 88713 84835 37209
90466 18444 80892 47744 56654 00224

14538/13538/12138 kHz, 04-09, 1800/1820/1840 UTC

08864 00093 78099 42948 93891 24827 60627 43623 81394 09456
32942 36427 14872 29355 67117 58983 33200 50063 91870 28842
10630 09930 84064 88007 24420 67563 93776 68154 72463 48905
80108 34026 36071 76572 87138 85004 67581 89856 02805 18191
24338 11817 44219 14418 31348 98808 67994 79245 41258 31813
55277 41772 97867 12324 83842 33836 28711 53616 66341 41030
00066 09866 84874 75658 62306 76633 07823 88418 28998 41055
91112 80084 18424 68229 20235 81150 17978 82195 38000 24192
14949 08726 30173 13229 45546 31934 63851 91280 67546 98683
26968 42025 09415 07315 14071 75243

14538/13538/12138 kHz, 06-09, 1800/1820/1840 UTC

09949 00001 00000 10140

16167/14663/13923 kHz, 09-09, 1900/1920/1940 UTC

07397 00001 00000 10140

16167/14663/13923 kHz, 10-09, 1900/1920/1940 UTC

09592 00001 00000 10140

16147/14947/14447 kHz, 11-09, 1500/1520/1540 UTC

01210 00001 00000 10140

14538/13538/12138 kHz, 11-09, 1800/1820/1840 UTC

04438 00001 00000 10140

14538/13538/12138 kHz, 13-09, 1800/1820/1840 UTC

06182 00001 00000 10140

16147/14947/14447 kHz, 16-09/18-09/23-09, 1500/1520/1540 UTC

04434 00097 86688 23680 73973 38670 69154 96368 00364 48159
46472 30243 41061 14295 95221 78273 91018 83982 98859 78075
73868 09696 43466 88915 19831 60988 14393 28254 19159 51268
28812 25740 07924 25867 06050 43895 62952 35229 85435 97902
23184 96369 58983 63408 37549 51870 85403 15050 59612 12538
99090 53494 43491 14115 81305 43741 57369 18674 05316 46246
03676 69512 21204 57258 38965 78498 80539 77142 99869 58453
21371 32588 01558 23948 82470 00113 72246 91401 55001 33438
91730 38887 08204 46611 29000 77464 57271 81713 02776 57471
88983 95469 61433 97777 69599 61887 63607 61458 80442 21402

16167/14663/13923 kHz, 16-09/17-09, 1900/1920/1940 UTC

00114 00085 10629 78536 50817 73269 45538 52644 47281 67536
35828 45814 53910 11671 77371 02220 00143 78150 04214 63669
16872 97493 23776 97202 61774 84310 33276 30794 86930 01879
01634 58098 89622 01276 72764 83799 28038 39168 48113 13534
33224 65132 44372 12370 22866 16216 52461 06652 58689 95074
14039 92196 34245 38167 50226 16491 09576 11595 06670 83154
46369 99190 95855 79956 96627 30711 16305 17469 80493 65812
95580 59561 16751 53313 60273 86356 78445 22252 71533 22600
01122 74889 00567 01110 51465 09872 06357 57155

14538/13538/12138 kHz, 18-09/20-09, 1800/1820/1840 UTC

08612 00075 65897 65039 50987 52800 43540 60136 43066 44679
70425 46308 51645 57075 46750 58038 45450 81375 50458 07546
60787 57756 70744 29176 73727 29089 11442 07312 73910 72260
00528 35258 81546 08718 42160 06043 20075 19881 26459 65278
39011 21189 64979 05367 82386 17000 90475 00268 68309 78302
17191 40186 51319 23728 33380 66500 50102 00648 86655 70817
66666 44194 08817 58332 49984 10079 54530 18440 13830 66600
21858 06705 75446 49345 63075 66361 91242 41325

13928/12158/10906 kHz, 19-09, 1300/1310/1320 UTC. Unusual schedule.

00709 00218 87719 52080 57174 22544 44123 27172 32136 73767
55093 63810 42005 85697 10269 57192 43071 89625 68432 69983
03668 54621 58441 02063 63836 95433 14030 54813 76260 64018
29150 71204 16735 47341 07766 46260 58318 75805 44125 64660
48502 19222 97540 79156 97492 68095 75104 90148 08045 14940
92364 16910 16950 59365 99702 14565 51500 25061 35522 92850
06015 15583 50883 08915 66115 88061 58831 46055 39367 30370
15331 01788 49246 33355 71917 69000 92704 77174 57204 82101
92194 42725 48068 76333 91305 84741 34339 88858 77982 73131
23454 83866 44416 13347 37955 12102 47657 13764 66590 61882
83766 30126 45487 82306 43231 02652 08394 76796 52937 66586
40368 66752 82188 83230 96092 84290 19656 46682 84973 69695
94353 37611 51165 60999 57411 95725 00950 94078 61518 56939
14972 45634 19578 05853 15320 96389 21680 82409 69834 07970
68424 39206 47323 52493 82432 25816 43631 53072 21452 87001
29718 51041 38725 38619 67307 49935 22810 25937 70520 85261
85952 76960 27340 06406 93981 21409 51958 89142 33056 63478
42994 87874 66363 12244 30626 19928 80839 74398 31173 02539
32369 93064 75627 99957 82919 58627 01042 49301 47956 47168
22251 06050 85002 49544 72440 77195 83092 42808 57581 56697
88006 52838 47504 35380 64025 38345 07509 61562 17388 19026
42668 97259 71945 76256 79945 35253 28881 62113 95756 89300
45777

17429/18629/20129 kHz, 23-09, 0700/0720/0740 UTC

09265 00001 00000 10140

16167/14663/13923 kHz, 23-09, 1900/1920/1940 UTC

05367 00001 00000 10140

16201/14512 kHz, 24-09, 1010/1020 UTC

00369 00241 13857 41164 37474 53598 47690 27499 21977 32723
52984 43937 06191 44793 76337 98129 81494 57885 08619 50796
07042 56584 95336 39695 80533 09906 02449 29939 86125 20886
15186 11165 54161 18743 96477 85750 52978 41848 97605 01346
96880 75452 81603 49331 00741 88862 52417 01748 59879 05990
15733 52059 04039 88982 57181 61521 03908 43797 58667 56737
38987 28368 88179 53588 81714 01741 57937 93571 42666 86698
68360 18490 52520 71759 21106 02402 76584 76103 10806 54383
77099 85992 22157 19441 27442 77253 47740 38663 10161 90864
58480 57005 95014 46662 49248 56995 09274 38379 03942 16900
19444 50495 58351 25327 57835 21988 95725 62945 09131 54024
74406 24249 13387 72046 54069 60736 14686 94087 73187 33050
15969 48965 82714 06831 02734 38376 37763 09690 34244 36285
23258 99998 11221 66382 71991 16131 83740 63747 58936 53916

04569 08872 62286 41761 09907 84953 19136 45130 66996 44924
25352 73119 89723 57450 24957 36897 79462 16905 39096 27701
73187 79276 08301 99422 02274 39217 49992 02185 33656 06262
46443 90232 45689 74772 55174 30890 55718 96371 49161 15324
48758 67318 90585 85489 58926 20375 75315 54593 78080 24088
01891 19147 25170 33376 31837 71513 73978 65914 07403 55787
32142 18959 87958 11147 17856 12174 87430 95043 89260 80989
93743 95457 27455 98027 68093 18965 13542 43155 30004 44986
50169 92042 63578 50721 40898 38911 70196 47715 85162 57014
59517 74445 15973 97966 07699 13533 57715 92765 12203 98411
47958 88746 11089 00217

16167/14663/13923 kHz, 24-09, 1900/1920/1940 UTC

09035 00001 00000 10140

16201/14512 kHz, 25-09, 1010/1020 UTC

00871 00245 87719 88251 69426 81989 55273 84037 20273 83496
95770 61379 32536 69615 19565 32972 99966 81286 71353 07220
77272 52806 19128 55895 93802 41323 96465 26375 25383 90488
20924 06953 69631 53410 44322 40472 32643 35460 07229 67558
58642 51597 62457 47642 17000 47762 55059 38694 84975 91883
00846 99945 01305 77275 60264 99882 51214 57774 00202 80967
12425 32497 39026 99047 63439 76497 91587 16138 57570 89952
06901 08453 98338 33062 15039 78323 11525 11843 45936 74868
74101 81001 30405 63042 99951 24342 60811 54299 60016 29959
89149 10916 74996 99340 25584 72808 08029 72639 68577 13483
17164 53597 22586 58706 45765 72572 98695 37574 73102 80924
81070 38506 41874 64859 97677 52276 20453 44442 13365 73665
33647 78569 28752 98680 66450 57321 73203 68623 21303 75503
88660 31229 65132 38950 12446 55327 11611 47235 02926 25935
80335 27169 03269 44472 10322 16949 07252 96528 62487 29310
76544 93412 65343 36162 09181 87229 39387 89033 75023 62168
93840 80590 45871 86444 10156 54365 38312 04245 01823 77353
33350 45264 82908 94762 89602 13708 93430 45902 75628 84319
53415 52732 34982 96307 35618 69171 15734 49005 72623 82527
93631 98763 71208 96047 07997 09930 98760 14468 35217 61094
88522 64723 36013 88107 24146 81774 51144 23440 17853 32270
43654 28716 00825 70691 65393 76280 90690 68632 93312 28096
00120 62638 38282 32048 84393 89099 14576 80973 83938 47877
89319 38887 91101 40672 13116 67636 02579 53635 85262 94960
39441 76272 85291 66611 70477 51720 18899 26022

16147/14947/14447 kHz, 25-09, 1500/1520/1540 UTC

02386 00001 00000 10140

14538/13538/12138 kHz, 25-09, 1800/1820/1840 UTC

08579 00001 00000 10140

14538/13538/12138 kHz, 27-09, 1800/1820/1840 UTC

07083 00001 00000 10140

17429/18629/20129 kHz, 30-09, 0700/0720/0740 UTC

04033 00001 00000 10140

16167/14663/13923 kHz, 30-09, 1900/1920/1940 UTC

07245 00001 00000 10140



F11

Mode: FSK 100/625

7863 kHz, 07-09, 0300/0305 UTC

0231 0231 0231 0231 0231
88888 88888 12355 37432 89959 57444 92380 06623 66648 36739
49693 42805 60455 78917 60679 73278 16113 58238 85183 55935
83243 44043 61531 78138 69044 06490 02342 87044 03229 33185
25191 38870 70453 88831 72720 59097 13356 54365 66485 25817
88888 88888
00042 00042

10728 kHz, 06-09/08-09, 0630/0635 UTC

0574 0574 0574 0574 0574
88888 88888 92802 46949 01378 75456 47767 06443 57728 20575
56614 39918 78419 64342 24701 93568 74958 91395 75755 67835
30303 41050 51221 90180 71614 83733 20602 81888 02252 39052
71720 14966 77235 50217 15789 73350 37858 63141 78211 11462
61713 78660 88888 88888
00044 00044

9079 kHz, 13-09, 1150/1155 UTC

0325 0325 0325 0325 0325
88888 88888 45036 31270 14044 43396 70214 25617 70837 08168
19806 91867 81872 96255 10330 87442 39415 38598 42153 78240
18910 13780 84926 23982 61618 94531 21079 57832 16873 41143
21084 15636 14078 94228 88888 88888
00036 00036

14972 kHz, 13-09, 1245/1250 UTC

0132 0132 0132 0132 0132
88888 88888 68506 32116 11432 69628 00755 37697 73898 47080
46188 32155 73968 19140 10148 38414 83455 85211 73776 04538
76870 84952 70626 70741 40406 32968 21339 73492 11976 93974
09534 57160 85970 75426 93290 71395 87997 28529 23571 75526
07943 67319 88888 88888
00044 00044

7371 kHz, 19-09/22-02, 0515/0520 UTC

0446 0446 0446 0446 0446
88888 88888 34200 72427 08114 36906 07433 08594 21349 48758
32739 64298 00614 39487 33950 30317 31846 17902 17311 90920
62676 67998 77949 04148 68879 76458 18148 48770 03396 25489
81988 60396 90177 48836 49712 02368 13012 39084 11475 88888
88888
00041 00041

6906 kHz, 26-09/29-09, 0800/0805 UTC

0434 0434 0434 0434 0434
88888 88888 52431 92295 21201 96210 33336 28204 76272 07814
50950 24066 81405 91600 32487 08086 57189 11140 91348 89467
61817 81594 12297 57811 29758 33075 75783 00340 13665 27542
12376 33797 05723 48615 88888 88888
00036 00036

7371 kHz, 27-09/30-09, 0900/0905 UTC

0554 0554 0554 0554 0554

88888 88888 54012 17627 48386 07684 02298 78329 04623 02525

95594 17694 90029 14965 84921 21485 13936 06305 17522 20034

47125 57921 30485 80298 24516 20646 33742 93051 46690 89399

40542 84192 33137 79079 78736 88888 88888

00037 00037



North Korean diplomatic stations

16312 kHz, 31-8, 0840 UTC, DPRK-ARQ 600/600 LSB

UTILITY ROUND-UP



Armenian Air Defense

6450 kHz, 22-9, 1412 UTC / 6450 kHz, 22-9, 1742 UTC

Armenian Air Defense. Bearing/range reports



Unid stations

Unid net on 3613 kHz, 20-09, 2046 UTC, logged by JPL

VVV W4M DE 68V QSA ? 37 K



Intelligence news

We know that Russia transmits intel messages from Cuba again. They returned after an absence of ca 13 years. From the 1960's till 2002 messages were transmitted from several sites in Cuba. One of them was a PDRTS (Peredayushchego Radiotsentra / Transmitting Radio Center) operated by military unit nr 54234. The site included the transmitting center and detached receiving center "Finisha (Finish)" and Service "Astra", which transmitted 5 letters groups in Spanish and Russian. The location was some thirty kilometers south of Havana, near the village of El Gabriel. There were several strong HF transmitters and 20 to 30 meters masts for the rhombic RGD, dipole VGD transmitting antennas or for directional BS receiving antennas.

There were two branches. The first one used a transmitter named Shchuka (Pike) for communications with submarines and surface ships and a 100 kW transmitter named Purga (Blizzard), plus VYaZ transmitters (5 kW) for communications with the army and airforce, and also with Aeroflot. The second branch was not used by the military and had a service called "Astra" which was most likely used by Russian intelligence agencies. Astra provided, amongst others, a link with a group of Cubans in Angola. Messages were sent by Morse or voice in Spanish and consisted of 5-figure groups.

Below several pictures of the equipment. Source: <http://cubanos.ru/tl/v1>



Transmitting center and detached receiving center "Finisha.

Picture:
VYaZ transmitters (5 kW)



PKM-20S Molniya transmitters (20 kW)



Picture:
The "Astra" service.

Public event held in Cuba for the first time to demand release of US spy

A public event has been held for the first time in Havana to demand the release Ana Belen Montes, an American former intelligence analyst who is serving a 25-year prison term for spying on the United States for Cuba. The event appeared to be sanctioned by the Cuban government and is bound to reignite rumors that a deal between Washington and Havana to release Montes may be in the works.

See the complete story on IntelNews at <https://intelnews.org/2016/09/28/01-1986/>

Montes got her instructions from the Cuban V02a, M08a and HM01 numbers transmissions. She was captured on 20 Sept 2001.

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by Ary, Tom, André, Tapio, JP



RMv/RNv/RNAv/RAv Russian military stations

Frequency: various Mode: USB / voice

RMv – Russian Military

2076 kHz, 06-09, 1648 UTC	BULAN-36 wkg outstations
3195 kHz, 08-09, 1730 UTC	PRIMVA-32 clg STAWA-01
3513 kHz, 13-09, 1641 UTC	CARTA-60 clg VOLTA68 BORDER-74 PALMIR-98
3799 kHz, 11-09, 1734 UTC	WASSAM-26 clg PARKIR-51
4090 kHz, 14-09, 1651 UTC	SOKOT-12 wkg RILAN-48 MADAF-77 TOPOL-52 ANIDA-27
4150 kHz, 11-09, 1758 UTC	OTARVOY-04 clg DAVOY-44 DEROK-71 CHILAN-63 BRELIN-16 PREVOB-34
4455 kHz, 09-09, 0506 UTC	IDIAO-72 clg NORDIN-29
4525 kHz, 15-09, 0437 UTC	VOLD-56 clg DAVIR-45 TRONAD-59 NIRAD-64
5370 kHz, 07-09, 0504 UTC	GOR-32 clg RAMKA-58 VASPA-49
4461 kHz, 17-09, 0628 UTC	KALOT-62 clg BUR-85 DAMAT-71
4806.5 kHz, 20-09, 0509 UTC	BAKIEN-70 clg AKMAR-04
6318.5 kHz, 20-09, 0918 UTC	BALT-06 clg MIRAT-68 OREL-29
5249 kHz, 21-09, 0517 UTC	ROZAT-58 clg COBALT-85 OZEAN-08
4636 kHz, 21-09, 1313 UTC	ALTO-35 Clg BOSSER-89 CHATOL-32 PATOK-37
4929.5 kHz, 22-09, 1343 UTC	BISNA-14
4190 kHz, 22-09, 1353 UTC	ZERMO-31 clg RIVERT-45
3513 kHz, 22-09, 1645 UTC	PLAZ-66 clg PILOT-81 ABOROK-42
2688 kHz, 22-09, 1747 UTC	GRAZ-72 clg VITEK-49
3525 kHz, 22-09, 1800 UTC	BLONO wkg 7 outstations
5145 kHz, 22-09, 0825 UTC	OZAM-08 clg ROZAT-56 DELVA-04
4792.5 kHz, 22-09, 0502 UTC	SVARAK-14 clg YALTA-02 SVOK-62 NARVA-42 TRAKAR-13 ALBOM-33
4542 kHz, 25-09, 0627 UTC	SLOVA-62 clg ARUK-16 KARTA-52 NAWOK-60 DATA-66 PANAMA-06 CHARKTA-85 NIEVA-34
	DAMBA-71 URAZAI-65 ANUGA-34 comms checks
4530 kHz, 27-09, 0513 UTC	POLIET-31 clg PATROL-15 OBRIS-101 comms checks
4872 kHz, 26-09, 0443 UTC	PARTA-03 clg ALBON-64 TRUP-91 START-31 YABUK-96 VULSEK-23 SARTEK-39 comms checks
4770.5 kHz, 26-09, 0528 UTC	VERAZ-17 clg ZOLOTOK-13 NIKEL-07 SELNA-82 comms checks
4090 kHz, 26-09, 1141 UTC	SOKOT-12 wkg outstations RILAN-48 MADAF-77 TOPOL-52 ANIDA-27 BORAL-08 ADIL-98
	DENIT-77
4461 kHz, 27-09, 0836 UTC	SLOVA-62 clg BUYAR-01 DIZAL-79 NIKIL-87 ARUK-16 CHOKTAR85 comms checks

RNv – Russian Navy

3373 kHz, 05-09, 1728 UTC	BURYEVESTNIK (RGR79) clg ROTOR in Duplex
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5206 kHz, 05-09, 1701 UTC	VESTNIK (RMP) clg ZABOVA (RJE96)
6919 kHz, 11-09, 1753 UTC	VOLFRAM (RIT) clg VARSAN (REE5)
4050 kHz, 13-09, 1308 UTC	VESTNIK (RMP) clg LIMOUSINE (RJI52) ROUCHNIK (RGL85)
6110 kHz, 19-09, 0600 UTC	MAMAMIAN (RLD63) clg VESNIK (RMP)
4940.5 kHz, 21-09, 0449 UTC	GARANTIYA (RIQ88) clg GANILA (RAI63)
4042 kHz, 21-09, 0601 UTC	KAVUK (RJH41) clg VESTNIK (RMP)

RNAV – Russian Navy Air Transport

8816 kHz, 22-09, 1415 UTC

RJF94 RJC38 DE 42171 QTO 1404 QRD XLMV XUMU QRE 1620 QBD 14000 K
 QAY XLPB 1506 QBG 9700 QRE XLMV 1612 QBD 10200 K
 QQM XLMV 1613 SK

RAV – Russian Air Force

8033 kHz, 22-09, 0624 UTC Tu-95MS Bear H voice net

RADV – Russian Air Defense

Russian Air Defense Tracking Nets

2300 kHz, 09-09, 1711 UTC
 2603 kHz, 16-09, 1657 UTC
 3296 kHz, 15-09, 1529 UTC
 3325 kHz, 15-09, 1718 UTC
 3545 kHz, 16-09, 1758 UTC
 3789 kHz, 15-09, 1516 UTC
 3831 kHz, 08-09, 1737 UTC
 3931.5 kHz, 11-09, 1727 UTC
 4380 kHz, 12-09, 1631 UTC
 3955 kHz, 17-09, 0604 UTC
 4508 kHz, 17-09, 1530 UTC
 3381 kHz, 17-09, 1725 UTC
 4483 kHz, 19-09, 1425 UTC
 2042.5 kHz, 19-09, 1728 UTC
 4770.5 kHz, 21-09, 1345 UTC



M32

Russian / CIS Military CW Stations

2546 kHz, 09-09, 1734 UTC	D5MS wkg 6 outstations
2755 kHz, 09-09, 1718 UTC	BJ4B wkg 6 outstations
3181 kHz, 06-09, 1700 UTC	J3WK wkg 5 outstations
3216 kHz, 08-09, 1705 UTC	6T1J wkg 6 outstations
3216 kHz, 15-09, 1733 UTC	XXX VUOZ VUOZ 54046 ZEMLEWED 4097 5573 K
3216.5 kHz, 06-09, 1710 UTC	5Z2F wkg 11 outstations
3222.5 kHz, 15-09, 1743 UTC	XXX HHG2 07832 POZWOLENIE 8478 9644 K
3234.5 kHz, 06-09, 1722 UTC	4ZH3 wkg outstations
3275 kHz, 08-09, 1711 UTC	A7DB de BYBI QTC 257 18 8 1950 257 = 957 = DDDDD MAHUF KHCDW BVPWN ...
3283.5 kHz, 05-09, 1744 UTC	YPD3 wkg 4 outstations
3302 kHz, 08-09, 1830 UTC	1D6Z wkg 7 outstations
3331 kHz, 07-09, 0256 UTC	RGT77 = 725 = MHQAC ÔSULK ... = K
3334 kHz, 06-09, 1709 UTC	MKIZ wkg 5 outstations wkg outstations
3348 kHz, 07-09, 0234 UTC	G7P9 wkg 6 outstations
3350 kHz, 05-09, 1804 UTC	NA8O wkg 3 outstations

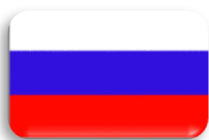
3358 kHz, 07-09, 0230 UTC	A3S4 wkg 7 outstations
3361 kHz, 05-09, 1650 UTC	DSCV wkg 7 outstations
3361 kHz, 08-09, 1650 UTC	DSCV wkg 7 outstations
3371 kHz, 08-09, 0502 UTC	VKIO wkg 7 outstations
3375 kHz, 08-09, 0451 UTC	8FTM QTC AR 353 14 8 0750 353 = ZLY 150 =
	2002 3074 2846 4586 4385 8232 7104 8029 8156 3738 3074 0811 K
3375 kHz, 08-09, 0452 UTC	8FTM QTC AR and 185 14 8 0752 185 = ZGA 150 =
	2002 4127 1656 6689 9595 2127 3441 5063 5437 2893 4127 0811 K
3375 kHz, 08-09, 0457 UTC	8FTM QTC AR and 984 22 8 0757 984 = ZAD 150 =
	2002 5629 0487 3392 8681 2313 5336 7164 0909 6200
	3409 9948 0635 2457 3812 4120 3267 6842 7349 0819 K
3380 kHz, 05-09, 1748 UTC	I7HD wkg 5 outstations ‘
3673.5 kHz, 08-09, 1633 UTC	LUMR wkg 2 outstations
3766 kHz, 07-09, 0236 UTC	2MMZ wkg 4 outstations
3804 kHz, 05-09, 1731 UTC	E8B8 wkg 7 outstations
3804 kHz, 08-09, 1731 UTC	E8B8 wkg 7 outstations: KXXD, KU9P, EL2O ?KDE, W7JE
3807 kHz, 05-09, 1648 UTC	1YJC wkg 9 outstations
3807 kHz, 05-09, 1806 UTC	Z3EQ wkg 5 outstations
3831 kHz, 14-09, 0424 UTC	XXX 9A9I WARKYJ 823 K
3872 kHz, 05-09, 1802 UTC	BZ8T wkg 3 outstations
4108 kHz, 05-09, 1656 UTC	Q19L wkg 5 outstations
4199 kHz, 13-09, 1243 UTC	XXX Y9AS 63507 RESTITUCIÂ 6723 K
4224 kHz, 07-08, 0418 UTC	E4DV wkg 11 outstations
4455 kHz, 09-09, 0504 UTC	ETLT wkg 5 outstations
4456 kHz, 06-09, 1753 UTC	SM9R wkg 5 outstations
4471 kHz, 03-09, 1751 UTC	SC4N wkg 6 outstations
4862 kHz, 08-09, 0519 UTC	4M2F wkg 4 outstations
5080 kHz, 08-09, 1801 UTC	RTK wkg RDI
5121 kHz, 08-09, 1640 UTC	WRWF wkg outstations
5163 kHz, 07-09, 0501 UTC	WSP1 wkg 6 outstations
5346 kHz, 07-09, 0511 UTC	N2MA wkg 5 outstations
5347 kHz, 07-09, 0507 UTC	i.p. 0900800 5MR2
5366.5 kHz, 07-09, 0500 UTC	1RC2 QLW QRK ? QSA ? QXS =
5370 kHz, 06-09, 1807 UTC	IYVA wkg 5 outstations
5398 kHz, 06-09, 1750 UTC	A5KC wkg 4 outstations
5398 kHz, 08-09, 1631 UTC	ASKC wkg 2 outstations
6779 kHz, 06-09, 1758 UTC	GFBI wkg 5 outstations
6880 kHz, 08-09, 0612 UTC	VVV = ÛFQZD BchÔKC ÂREIJ PÛFQP ... AR
	VVV = ChÔQLE LVHJW ÛFQGX ... AR
	VVV = XBOTN CÂLVs JPWUQ ZXDTM ... AR
7216 kHz, 09-09, 0408 UTC	X6OZ wkg 3 outstations
7357 kHz, 08-09, 0433 UTC	BA4V wkg 2 outstations
7542 kHz, 12-09, 1554 UTC	XXX MFT5 09450 ITOGOLIST 5779 7197 K
7542 kHz, 12-09, 1555 UTC	XXX MFT5 96554 KAJLA 41801764 K
7859 kHz, 07-09, 1408 UTC	NSMP wkg 6 outstations
8512 kHz, 08-09, 1418 UTC	JNZR wkg 4 outstations
10164 kHz, 05-09, 0638 UTC	XXX XXX N4IY N4IY 50222 20213 ANKILOZ 6084 6357 K
12337 kHz, 12-09, 1818 UTC	XXX XXX 1QRF 1QRF 09768 SEJSMOLOG 6999 7670 K
13404 kHz, 08-09, 1407 UTC	LTT7 wkg 7 outstations
14440 kHz, 16-09, 1207 UTC	XXX SX6V 80041 SHODOSNEG 0829 2045 K
2024 kHz, 19-09, 1657 UTC	XXX XR3N MOA4 77626 90457 WSKWOËNNYJ 1017 3367 WISOTOR 0325 0267 K
10535 kHz, 22-09, 1107 UTC	UUUU XXX XXX WEGI WEGI 56851 34697 SEMUVIJ 0603 1880 K
5240 kHz, 22-09, 0809 UTC	XXX VUOZ 04808 ELOËNYJ 9384 6823 K
5240 kHz, 22-09, 0811 UTC	XXX VUOZ 65057 AMPER 9114 0297 K
4199 kHz, 22-09, 0846 UTC	XXX HAAO 26938 POSLEDOWATELX 9073 0480 3942 MOHOWIK 4920 6828 K
11139 kHz, 24-09, 0719 UTC	XXX XXX RDL RDL 46938 02988 RANKOWYEM 1284 0493 K
4627 kHz, 24-09, 0629 UTC	XXX PABA WARKYJ 823 K
4581.5 kHz, 24-09, 0631 UTC	XXX PABA WARKYJ 823 K
4809 kHz, 24-09, 0632 UTC	XXX PABA WARKYJ 823 K
4867.5 kHz, 24-09, 0633 UTC	XXX LH8W WARKYJ 823 K

7963 kHz, 23-09, 1330-1407 UTC

7AA9 7AA9 DE ZR2Q ZR2Q K 5H K
 SNHT SNHT SNHT DE ZR2Q ZR2Q K
 N5FS N5FS N5FS DE ZR2Q ZR2Q K
 DWTY DWTY DWTY DE ZR2Q ZR2Q K R K
 CJTP CJTP CJTP DE ZR2Q ZR2Q K R K
 TPLEU TP1M TP1M DE ZR2Q K S R K
 SNHT SNHT SNHT DE ZR2Q ZR2Q K
 7AA9 7AA9 7AA9 ZR2Q ZR2Q QRV K
 RPT AA 33 K R 5T5 K
 SNHT SNHT SNHT DE ZR2Q ZR2Q QTC ZHF K
 ZHF 635 38 23 1648 6H
 ZHF 699 AFYZQ EV8RU9 K
 IA9T DOFMV IA9T DOFMV K
 IA9T DOFMV ADT9 W
 RVB E TVN8I BWUEC M?
 I BFVOU DOM W HD A?
 PQQRM OPOBD I 9SZMR ?
 99N8 NRBP
 H9AUQ WZBCR P9USZ TA C
 M HSGEH DGQOK EUQZW LSRO?
 DERL ADVTF GMFRS S SBMD TLSIT EE WEEN M67 RPT AL K RPT UE 7AA9 7AA9 7T9 DE ZR2Q ZR2Q QRV K

8348 kHz, 30-09, 2109 UTC

RGG89 QSA ? QTC K
 RJS DE RGG89 QSA ? K
 RJS DE RGG89 QSA ? K
 RJS DE RAL53 QSA ? QTC K



M32a
Russian Navy
Voyenno-Morskoy Flot Rossii

3378 kHz, 08-09, 1823 UTC
 3396.5 kHz, 09-09, 1800 UTC
 3500.5 kHz, 09-09, 1719 UTC
 3750 kHz, 05-09, 1800 UTC

3750 kHz, 06-09, 1800 UTC

3797 kHz, 07-09, 0319 UTC
 3951.5 kHz, 05-09, 1658 JUTC
 4162.5 kHz, 08-09, 1733 UTC
 4162.5 kHz, 06-09, 1738 UTC
 4297 kHz, 07-09, 1348 UTC
 4498.5 kHz, 03-09, 1801 UTC
 4760 kHz, 06-09, 1743 UTC
 4940.5 kHz, 09-09, 0448 UTC
 5269.5 kHz, 05-09, 1724 UTC
 5400.5 kHz, 06-09, 1810 UTC
 5830 kHz, 07-09, 0403 UTC
 6458 kHz, 09-09, 0443 UTC
 7602 kHz, 07-09, 0434 UTC
 7664 kHz, 08-09, 0528 UTC

RCV wkg RMEW
 RJF81 wkg RGL97
 RMU de RJD99 QTC SML
 RMW46 wkg 14 outstations: RGR88, RGR89, RGR90, RGR91, RFH46, RGR92, RGR93, RGR94, RGR95, RGR96, RGR97, RDQ81, RGR98 RGR99
 RMW46 wkg 14 outstations: RGR88, RGR89, RGR90, RGR91, RFH46, RGR92, RGR93, RGR94, RGR95, RGR96, RGR97, RDQ81, RGR98
 RCV wkg RIC87
 RMP wkg RJE96 (RJE96 de RMP QSU1 QSW 5561 QSW 526 AR
 RHC84 wkg RCV
 RHQ33 wkg RCV
 RMP wkg RLA88
 REO de RMP QTC SML
 RCV wkg RMBB
 RIQ88 wkg 2 outstations RAI62, RAI63
 RMP wkg RJE96
 REO de RMP QTC SML
 RMW32 wkg 4 outstations: RMW34, RMW36, RMW44, RMW46, RKL91
 RLO de RIT QTC SML
 RLO de RIT QTC SML
 RIW wkg RMRV

12464 kHz, 07-09, 1401 UTC RBEG wkg RCV
6827 kHz, 21-09, 0719 UTC XXX RLO KADAPRIN K and TRAFFIC IN FSK
6827 kHz, 21-09, 0726 UTC XXX RLO ÉLASTIÔNYJ 0113 3037 5089 1016 K
7422 kHz, 24-09, 0710 UTC XXX RLO 020783 LÂDOBUND 5135 1333 K
7422 kHz, 24-09, 0711 UTC XXX RLO 02988 PANKOWYEM 1284 0493 K

4537.5 kHz, 14-09, 1806 UTC

RJD99 de RAS82 103 17 14 2102 100 = F RJD90 RJH74 =
14181 99661 10411 41/98 93409 10300 40130 54000 70000 89/// 22252 00106 20101 88000 14014 =
AR RAS82

4537.5 kHz, 15-09, 0449 UTC

RJD99 de RAY85 519 17 15 0700 519 = FOR RJH74 RJD90 =
15001 99663 10360 41498 79906 10070 40130 54000 70222 87210 22272 00065 20101 88000 15014 =
AR RAY85 K

4537.5 kHz, 15-09, 0453 UTC

RJD99 de RAY85 422 17 15 0701 422 = FOR RJH74 RJD90 =
15031 99661 10369 41/90 99906 10070 40130 54000 74544 8//// 22232 00065 20101 88000 15014 = =
AR RAY85 K

5275 kHz, 15-09, 1200 UTC

RMP de RKN64 QTC 314 18 15 1500 314 = FOR RIF4 RJD38 =
15121 99548 10196 41698 11604 10180 40190 56007 70101 82010 22228 00170 11001 88000 80000 15015 =
AR RKN64 K

6956 kHz, 16-09, 0500 UTC

RMW46 clg RGR88, RGR89, RGR90, RGR91, RFH46, RGR92, RGR93, RGR94, RGR95, RGR96, RGR97, RDQ81, RGR98, RGR99

5275 kHz, 16-09, 0905 UTC

RLD63 wkg RMP
QTC SML FOR RJD38 RIF4 =
16091 99541 11908 44098 00902 10176 40156 53001 70200 80000 202200 00016 20000 31000 16014 =
AR RLD63 K

5275 kHz, 20-09, 0524 UTC

RLD63 wkg RMP
QTC SML FOR RJD38 RIF4 =
20061 11908 44098 90201 10150 40148 56001 70012 84161 22200 00015 20000 30000 20014 = AR RLD63 K



M32b
Russian Naval Aviation
Aviatsiya Voenno-morskogo Flota Rossii

6989 kHz, 07-09, 0404 UTC

RAL2 wkg RKA2, RLO2, RBL75

8816 kHz, 26-09, 0815 UTC

RJF94 RJC38 DE 10757 QTO 0804 QRD XUDS XLMV QRE 1120 QBD 16000 K
QQQ ULPE 0903 QBG 8000 K
QQQ ULWC 1003 QRE XUDS 1105 K
QQM XUDS 1105 SK

8816 kHz, 27-09, 0713 UTC

RJF94 RJC38 DE 10757 QTO 0705 QRD XUBD XUDS QRE 0800 QBD 8600 K
QQM XUBD 0758 SK

8816 kHz, 27-09, 1005 UTC

RJF94 RJC38 DE 10757 QTO 1000 QRD XLMV XUBD QRE 1340 QBD 14000 K
 QQL ULWC 1114 QBG 6400 K - QAY XLPB 1157 QBD 8700 K
 QQL ULPE 1243 QRE XLMV 1350 K
 QQM XLMV 1347 SK

8816 kHz, 28-09, 0745 UTC

RJF94 RJC38 DE30457 QTO 0605 QRD XLMV XLMV (?) QBD 4700 QRE 0910 K
 QTH 6804 3930 QTR 0647 QBG 5700 K
 QTH 6442 3901 QTR 0743 QBD 3100 K
 QTH 6623 3636 QTR 0811 QBD 2700 K
 QTH 6756 3433 QTR 0836 QRE XLMV 0857 K
 QQM XLMV 0858 SK

8816 kHz, 28-09, 0610 UTC

RJF94 RJC38 DE30456 QTH 6607 3913 QTR 0607 QBD 3700 QBG 5200 QRE XLAA 0645 K
 QQM XLAA 0640 SK

8816 kHz, 28-09, 1215 UTC

RJF94 RJC38 DE30456 QTO 1010 QRD XLDR XLAA QRE 1235 QBD 4800 K
 QTH 6639 4525 QTR 1104 QBD 3700 QBG 5800 K
 QQM XLDR 1240 SK



M32c
Russian Air Force
Voyenno-vozdushnye sily Rossii

Tu-95MS Bear H net

8162 kHz, 07-09, 1801 UTC NKG6 DE QZ6Y K
 9027 kHz, 07-09, 1801 UTC QZ6Y DE NKG6 K
 8162 kHz, 07-09, 1820 UTC W-markers
 8162 kHz, 22-09, 0620 UTC W-markers

LOGS SECTION

Code	Freq	Date	UTC	Day	Details	Mode	ctrb
ARM	6450	22-9	1412	Thu	Armenian Air Defense. Bearing/range reports	USB	(AB-ISR)
ARM	6450	22-9	1742	Thu	Armenian Air Defense. Bearing/range reports	USB	(AB)
DRPK	16312	31-8	0840	Wed	N. Korean diplo	DPRK-ARQ 600/600 LSB	(EW)
E06	5186	1-9	2030	Thu	891 569 63 14259 22676 32782 ... 32333 43433 54545 569 63 00000	USB	(AB/HFD)
E06	5197	2-9	2132	Fri	634 569 63 14259 22676 32782 ... 32333 43433 54545 569 63 00000 (2 mins late)	USB	(AB)
E06	14370	15-9	0500	Thu	354 879 102 43351 32471 02046 ... 99088 82475 76690 879 102 00000	USB	(ES/HFD)
E06	16265	15-9	0600	Thu	354 ...	USB	(HFD)
E06	5197	16-9	2130	Fri	634 569 63 14259 22676 32782 ... 32333 43433 54545 569 63 00000	USB	(AB/HFD)
E07	9387	1-9	2010	Thu	358 358 358 000	USB	(AB/HFD)
E07	7526	1-9	2030	Thu	358 358 358 000	USB	(AB/HFD)
E07	9064	3-9	0600	Sat	024 1 944 98 40497 13825 27578 ... 42928 46633 03752 000 000	AM	(AB/ES/HFD)
E07	10264	3-9	0620	Sat	024 1 944 98 40497 13825 27578 ... 42928 46633 03752 000 000	AM	(AB/ES/HFD)

E07	11464	3-9	0640	Sat	024 1 944 98 40497 13825 27578 ... 42928 46633 03752 000 000	AM	(AB/ES/HFD)
E07	9064	4-9	0600	Sun	024 1 944 98 40497 13825 27578 ... 42928 46633 03752 000 000	AM	(AB)
E07	10264	4-9	0620	Sun	024 1 944 98 40497 13825 27578 ... 42928 46633 03752 000 000	AM	(AB)
E07	11464	4-9	0640	Sun	024 1 944 98 40497 13825 27578 ... 42928 46633 03752 000 000	AM	(AB)
E07	13527	4-9	1700	Sun	526 1 304 78 36486 50379 30972 ... 48371 59868 77088 000 000	AM	(AB/HFD)
E07	12227	4-9	1720	Sun	526 1 304 78 36486 50379 30972 ... 48371 59868 77088 000 000	AM	(AB/HFD)
E07	10627	4-9	1740	Sun	526 1 304 78 36486 50379 30972 ... 48371 59868 77088 000 000	AM	(AB/HFD)
E07	13527	7-9	1700	Wed	526 526 526 000	AM	(AB)
E07	12227	7-9	1720	Wed	526 526 526 000	AM	(AB)
E07	14584	7-9	1900	Wed	535 535 535 000	USB	(AB/HFD)
E07	13384	7-9	1920	Wed	535 535 535 000	USB	(AB/HFD)
E07	9387	8-9	2010	Thu	358 358 358 000	USB	(AB)
E07	7526	8-9	2030	Thu	358 358 358 000	USB	(AB)
E07	9064	10-9	0600	Sat	024 024 024 000	USB	(ES)
E07	10264	10-9	0620	Sat	024 024 024 000	USB	(ES)
E07	14584	12-9	1900	Mon	535 1 598 47 17593	USB	(HFD)
E07	13384	12-9	1920	Mon	535 1	USB	(HFD)
E07	11584	12-9	1940	Mon	535 1	USB	(HFD)
E07	14584	14-9	1900	Wed	535 1 598 47 17593 23961 17637 ... 82523 38186 13675 000 000	USB	(AB/RL)
E07	13384	14-9	1920	Wed	535 1 598 47 17593 23961 17637 ... 82523 38186 13675 000 000	USB	(AB)
E07	11584	14-9	1940	Wed	535 1 598 47 17593 23961 17637 ... 82523 38186 13675 000 000	USB	(AB)
E07	9064	17-9	0600	Sat	024 024 024 000	USB	(AB/F5JBR/ES)
E07	10264	17-9	0620	Sat	024 024 024 000	USB	(AB/ES)
E07	9064	18-9	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	18-9	0620	Sun	024 024 024 000	USB	(AB)
E07	13527	18-9	1700	Sun	526 526 526 000	AM	(AB)
E07	12227	18-9	1720	Sun	526 526 526 000	AM	(AB)
E07	14584	19-9	1900	Mon	535 1 587 34 67838 50565 35459 ... 60633 43410 81422 000 000	USB	(AB)
E07	13384	19-9	1920	Mon	535 1 587 34 67838 50565 35459 ... 60633 43410 81422 000 000	USB	(AB)
E07	11584	19-9	1940	Mon	535 1 587 34 67838 50565 35459 ... 60633 43410 81422 000 000	USB	(AB/RL)
E07	8045	20-9	1230	Tue	687 1 5904 25 41069 32004 71754 88150 75854 40130 05113 81218 21747 Pause, 687 call up restarted	USB	(ES)
E07	13527	21-9	1700	Wed	526 526 526 000	AM	(AB)
E07	12227	21-9	1720	Wed	526 526 526 000	AM	(AB)
E07	14584	21-9	1900	Wed	535 1 587 34 67838 50565 35459 ... 60633 43410 81422 000 000	USB	(AB)
E07	13384	21-9	1920	Wed	535 1 587 34 67838 50565 35459 ... 60633 43410 81422 000 000	USB	(AB/PW2)
E07	11584	21-9	1940	Wed	535 1 587 34 67838 50565 35459 ... 60633 43410 81422 000 000	USB	(AB)
E07	9387	22-9	2010	Thu	358 358 358 000	USB	(AB)
E07	7526	22-9	2030	Thu	358 358 358 000	USB	(AB)
E07	9064	24-9	0600	Sat	024 024 024 000	USB	(AB)
E07	10264	24-9	0620	Sat	024 024 024 000	USB	(AB)
E07	9064	25-9	0600	Sun	024 024 024 000	USB	(AB)
E07	10264	25-9	0620	Sun	024 024 024 000	USB	(AB)
E07	13527	25-9	1700	Sun	526 526 526 000	AM	(AB)
E07	12227	25-9	1720	Sun	526 526 526 000	AM	(AB)
E07	14584	26-9	1900	Mon	535 535 535 000	USB	(AB/MPJ)
E07	13384	26-9	1920	Mon	535 535 535 000	USB	(AB/MPJ)
E07	13527	28-9	1700	Wed	526 1 551 51 05284 00927 25779 ... 66212 10142 45948 000 000	AM	(AB/MPJ)

E07	12227	28-9	1720	Wed	526 1 551 51 05284 00927 25779 ... 66212 10142 45948 000 000	AM	(AB/MPJ)
E07	10627	28-9	1740	Wed	526 1 551 51 05284 00927 25779 ... 66212 10142 45948 000 000	AM	(AB)
E07	14584	28-9	1900	Wed	535 535 535 000	USB	(RL)
E07	13384	28-9	1920	Wed	535 535 535 000	USB	(RL)
E07	7526	29-9	2030	Thu	358 358 358 000	USB	(AB)
E07a	6788	1-9	0430	Thu	741 741 741 000	USB	(AB/ES/HFD)
E07a	7488	1-9	0450	Thu	741 741 741 000	USB	(AB/ES/HFD)
E07a	10583	2-9	1510	Fri	531 531 531 000	USB	(AB/MPJ/HFD)
E07a	9383	2-9	1530	Fri	531 531 531 000	USB	(AB/MPJ/HFD)
E07a	11153	3-9	0800	Sat	114 114 114 000	USB	(AB/ES/HFD)
E07a	12153	3-9	0820	Sat	114 114 114 000	USB	(AB/ES/HFD)
E07a	8144	7-9	2000	Wed	197 197 197 000	USB	(AB/HFD)
E07a	6944	7-9	2020	Wed	197 197 197 000	USB	(AB/HFD)
E07a	6788	8-9	0430	Thu	741 741 741 000	USB	(AB/ES)
E07a	7488	8-9	0450	Thu	741 741 741 000	USB	(AB/ES)
E07a	11153	10-9	0800	Sat	114 114 114 000	0802	(AB/ES)
E07a	12153	10-9	0820	Sat	114 114 114 000	0802	(AB/ES)
E07a	6788	15-9	0430	Thu	741 1 62218 5778 59 02843 75488 55884 ... 34665 22089 70743 000 000	USB	(ES)
E07a	10583	16-9	1510	Fri	531 1 38672 2977 65 98649 91538 19531 ... 57585 90484 09106 000 000	USB	(AB/BvR)
E07a	9383	16-9	1530	Fri	531 1 38672 2977 65 98649 91538 19531 ... 57585 90484 09106 000 000	USB	(AB/GHn/BvR)
E07a	8183	16-9	1550	Fri	531 1 38672 2977 65 98649 91538 19531 ... 57585 90484 09106 000 000	USB	(AB/GHn/BvR)
E07a	11153	17-9	0800	Sat	114 1 38672 2977 65 98649 91538 19531 ... 57585 90484 09106 000 000	USB	(AB/ES)
E07a	12153	17-9	0820	Sat	114 1 38672 2977 65 98649 91538 19531 ... 57585 90484 09106 000 000	USB	(AB)
E07a	13453	17-9	0840	Sat	114 1 38672 2977 65 98649 91538 19531 ... 57585 90484 09106 000 000	USB	(AB)
E07a	8144	21-9	2000	Wed	197 1 39884 5521 87 22289 17805 53601 ... 24730 93300 37625 000 000	USB	(AB)
E07a	6944	21-9	2020	Wed	197 1 39884 5521 87 22289 17805 53601 ... 24730 93300 37625 000 000	USB	(AB)
E07a	5744	21-9	2040	Wed	197 1 39884 5521 87 22289 17805 53601 ... 24730 93300 37625 000 000	USB	(AB)
E07a	6788	22-9	0430	Thu	741 1 39884 5521 87 22289 17805 53601 ... 24730 93300 37625 000 000	USB	(AB/ES)
E07a	7488	22-9	0450	Thu	741 1 39884 5521 87 22289 17805 53601 ... 24730 93300 37625 000 000	USB	(AB)
E07a	8188	22-9	0510	Thu	741 1 39884 5521 87 22289 17805 53601 ... 24730 93300 37625 000 000	USB	(AB)
E07a	10583	23-9	1510	Fri	531 531 531 000	USB	(AB/GHn/BvR)
E07a	9383	23-9	1530	Fri	531 531 531 000	USB	(AB/BvR)
E07a	11153	24-9	0800	Sat	114 114 114 000	USB	(AB)
E07a	12153	24-9	0820	Sat	114 114 114 000	USB	(AB)
E07a	8144	28-9	2000	Wed	197 197 197 000	USB	(AB/MPJ)
E07a	6944	28-9	2020	Wed	197 197 197 000	USB	(AB)
E07a	6788	29-9	0430	Thu	741 741 741 000	USB	(AB)
E07a	7488	29-9	0450	Thu	741 741 741 000	USB	(AB)
E07a	10583	30-9	1510	Fri	531 531 531 000	USB	(AB)
E07a	9383	30-9	1530	Fri	531 531 531 000	USB	(AB)
E11	7850	1-9	0315	Thu	253/00	USB	(ES/HFD)
E11	7371	1-9	0530	Thu	649/00 (should be 7317 kHz)	USB	(Danix/ES)
E11	10800	1-9	0645	Thu	517/00	USB	(AB/ES/HFD)
E11	14769	1-9	0710	Thu	491/00	USB	(AB/ES/HFD)
E11	14575	1-9	0745	Thu	335/00	USB	(AB/ES/HFD)
E11	8803	1-9	0930	Thu	270/00	USB	(AB/ES/HFD)
E11	10302	1-9	1300	Thu	585/00	USB	(AB/MPJ)
E11	10641	1-9	1450	Thu	441/00	USB	(AB)
E11	10330	1-9	1530	Thu	262/00	USB	(AB/MPJ/HFD)
E11	9371	1-9	1730	Thu	416/00	USB	(AB/MPJ/HFD)
E11	10221	2-9	0710	Fri	633/00	USB	(AB/HFD)

E11	7377	2-9	2000	Fri	576/00	USB	(AB/MPJ)
E11	10302	3-9	1300	Sat	585/00	USB	(AB/MPJ)
E11	10213	3-9	1705	Sat	392/00	USB	(MPJ)
E11	8186	3-9	2005	Sat	363/00	USB	(AB/HFD)
E11	15825	4-9	0730	Sun	352/00	USB	(AB)
E11	11450	4-9	0805	Sun	311/00	USB	(AB/HFD)
E11	6397	4-9	1605	Sun	232/00	USB	(AB)
E11	10448	4-9	1625	Sun	962/00	USB	(AB/HFD)
E11	8186	4-9	2005	Sun	363/00	USB	(AB)
E11	6304	5-9	0450	Mon	416/00	USB	(AB/ES)
E11	7317	5-9	0530	Mon	649/00	USB	(AB)
E11	7317	5-9	0820	Mon	438/00	USB	(AB)
E11	9399	5-9	0900	Mon	534/00	USB	(AB/HFD)
E11	20286	5-9	1225	Mon	521/00	USB	(HFD)
E11	10221	6-9	0710	Tue	633/00 OUT	USB	(ES)
E11	14575	6-9	0745	Tue	335/00 OUT	USB	(ES)
E11	8102	6-9	1045	Tue	576/00	USB	(AB/ES/HFD)
E11	9443	6-9	1205	Tue	469/00	USB	(AB/ES/HFD)
E11	15632	6-9	1300	Tue	133/00	USB	(HFD)
E11	10641	6-9	1450	Tue	441/00	USB	(AB/HFD)
E11	6397	6-9	1605	Tue	232/00	USB	(HFD)
E11	11450	7-9	0805	Wed	311/00 OUT	USB	(ES)
E11	9399	7-9	0900	Wed	534/00	USB	(AB)
E11	8803	7-9	0930	Wed	270/00	USB	(AB/ES)
E11	9443	7-9	1205	Wed	469/00	USB	(AB/ES/HFD)
E11	15632	7-9	1300	Wed	133/00 OUT	USB	(ES)
E11	10448	7-9	1625	Wed	972/00	USB	(AB)
E11	10213	7-9	1705	Wed	392/00	USB	(AB/HFD)
E11	5844	7-9	1730	Wed	405/00	USB	(AB)
E11	7317	8-9	0530	Thu	649/00	USB	(AB/ES)
E11	14575	8-9	0745	Thu	335/00	USB	(AB/ES)
E11	7317	8-9	0820	Thu	438/00	USB	(AB/ES)
E11	8803	8-9	0930	Thu	270/00	USB	(AB)
E11	10641	8-9	1450	Thu	441/00	USB	(AB)
E11	9371	8-9	1730	Thu	416/00	USB	(AB)
E11	10221	9-9	0710	Fri	633/00	USB	(AB)
E11	15825	9-9	0730	Fri	352/00	USB	(HFD)
E11	10302	9-9	1300	Fri	585/00	USB	(HFD)
E11	7377	9-9	2000	Fri	576/00	USB	(HFD)
E11	10302	10-9	1300	Sat	585/00 OUT	USB	(ES)
E11	8186	10-9	2005	Sat	363/00	USB	(GHn)
E11	10213	12-9	0745	Mon	262/00	USB	(AB)
E11	7317	12-9	0820	Mon	438/00	USB	(AB/HFD)
E11	20286	12-9	1225	Mon	521/00	USB	(AB)
E11	13470	12-9	1745	Mon	242/00	USB	(AB)
E11	10800	13-9	0645	Tue	517/00 OUT	USB	(ES)
E11	13056	13-9	1345	Tue	911/00	USB	(AB)
E11	10620	13-9	2025	Tue	551/00	USB	(GHn)
E11	15915	14-9	0545	Wed	348/00 OUT	USB	(ES)
E11	11450	14-9	0805	Wed	311/00 OUT	USB	(ES)
E11	5844	14-9	1730	Wed	405/00	USB	(HFD)
E11	7317	15-9	0530	Thu	649/00	USB	(HFD/ES)
E11	14769	15-9	0710	Thu	491/00 OUT	USB	(ES)
E11	8803	15-9	0930	Thu	270/00 OUT	USB	(ES)
E11	14769	17-9	0710	Sat	491/00	USB	(AB/ES)
E11	10302	17-9	1300	Sat	585/00	USB	(AB/ES)
E11	13046	17-9	1345	Sat	911/00 OUT	USB	(ES)
E11	5844	17-9	1730	Sat	405/00	USB	(AB/BvR)
E11	8186	17-9	2005	Sat	363/00	USB	(AB/GHn)
E11	11450	18-9	0805	Sun	311/00	USB	(AB)
E11	6397	18-9	1605	Sun	232/00	USB	(AB)
E11	10448	18-9	1625	Sun	972/00	USB	(AB)
E11	13470	18-9	1745	Sun	242/00	USB	(AB/HFD)
E11	8186	18-9	2005	Sun	363/00	USB	(AB)
E11	6304	19-9	0450	Mon	416/00	USB	(AB/ES/HFD)
E11	10213	19-9	0745	Mon	262/00	USB	(AB)

E11	7317	19-9	0820	Mon	438/00	USB	(AB)
E11	9399	19-9	0900	Mon	534/00	USB	(AB)
E11	13470	19-9	1745	Mon	242/00	USB	(AB)
E11	10800	20-9	0645	Tue	517/00	USB	(AB/ES)
E11	10221	20-9	0710	Tue	633/00	USB	(AB/ES)
E11	14575	20-9	0745	Tue	335/00	USB	(AB/ES)
E11	8102	20-9	1045	Tue	576/00	USB	(AB/ES)
E11	9443	20-9	1205	Tue	469/00	USB	(AB/ES)
E11	9443	20-9	1205	Tue	469/00 OUT	USB	(ES)
E11	15632	20-9	1300	Tue	133/00	USB	(AB)
E11	13046	20-9	1345	Tue	911/00	USB	(AB/ES)
E11	10641	20-9	1450	Tue	441/00	USB	(AB)
E11	10620	20-9	1925	Tue	551/00	USB	(AB)
E11	7850	21-9	0315	Wed	253/00 OUT	USB	(ES)
E11	15915	21-9	0545	Wed	348/00	USB	(AB/ES)
E11	9399	21-9	0900	Wed	534/00	USB	(AB/ES)
E11	9443	21-9	1205	Wed	469/00	USB	(AB)
E11	15632	21-9	1300	Wed	133/00	USB	(AB)
E11	7850	22-9	0315	Thu	253/00	USB	(AB)
E11	10800	22-9	0645	Thu	517/00	USB	(AB/ES)
E11	14769	22-9	0710	Thu	491/00	USB	(AB)
E11	14575	22-9	0745	Thu	335/00	USB	(AB/ES)
E11	7317	22-9	0820	Thu	438/00	USB	(AB/ES)
E11	10641	22-9	1450	Thu	441/00	USB	(AB)
E11	10330	22-9	1530	Thu	262/00	USB	(AB)
E11	9371	22-9	1730	Thu	416/00	USB	(AB)
E11	15915	23-9	0545	Fri	348/00	USB	(AB)
E11	10221	23-9	0710	Fri	633/00	USB	(AB)
E11	13873	23-9	1650	Fri	921/00	USB	(AB)
E11	7377	23-9	2000	Fri	576/00	USB	(AB)
E11	13046	24-9	1345	Sat	911/00	USB	(AB)
E11	10213	24-9	1705	Sat	392/00	USB	(AB)
E11	13873	25-9	1650	Sun	921/00	USB	(AB)
E11	6304	26-9	0450	Mon	416/00	USB	(AB)
E11	7317	26-9	0530	Mon	649/00	USB	(AB)
E11	10213	26-9	0745	Mon	262/00	USB	(AB/ES)
E11	13470	26-9	1745	Mon	242/00	USB	(AB)
E11	10800	27-9	0645	Tue	517/00	USB	(AB/ES)
E11	14575	27-9	0745	Tue	335/00	USB	(AB)
E11	8102	27-9	1045	Tue	567/00	USB	(AB/ES)
E11	9443	27-9	1205	Tue	469/00	USB	(AB/MPJ/ES)
E11	15632	27-9	1300	Tue	133/00	USB	(AB/ES)
E11	13046	27-9	1345	Tue	911/00	USB	(AB/ES)
E11	10641	27-9	1450	Tue	441/00	USB	(AB/MPJ)
E11	6397	27-9	1605	Tue	232/00	USB	(AB/MPJ)
E11	10620	27-9	1925	Tue	551/00	USB	(MPJ)
E11	15915	28-9	0545	Wed	348/00	USB	(AB-FNL)
E11	11450	28-9	0805	Wed	270/00	USB	(AB/ES)
E11	9399	28-9	0900	Wed	534/00	USB	(AB)
E11	8803	28-9	0930	Wed	311/00	USB	(AB/ES)
E11	9443	28-9	1205	Wed	469/00	USB	(AB/MPJ)
E11	15632	28-9	1300	Wed	133/00	USB	(MPJ)
E11	10448	28-9	1625	Wed	972/00	USB	(AB/MPJ)
E11	10213	28-9	1705	Wed	392/00	USB	(MPJ)
E11	5844	28-9	1730	Wed	405/00	USB	(AB/MPJ)
E11	7850	29-9	0315	Thu	253/00 OUT	USB	(ES)
E11	7317	29-9	0530	Thu	649/00	USB	(AB)
E11	10800	29-9	0645	Thu	517/00	USB	(AB)
E11	14769	29-9	0710	Thu	491/00	USB	(AB)
E11	8803	29-9	0930	Thu	270/00	USB	(AB)
E11	10302	29-9	1300	Thu	585/00 OUT	USB	(ES)
E11	10641	29-9	1450	Thu	441/00	USB	(AB/GHn)
E11	9371	29-9	1730	Thu	416/00	USB	(AB)
E11	15915	30-9	0545	Fri	348/00	USB	(AB)
E11	20286	30-9	1225	Fri	521/00	USB	(AB)
E11	13873	30-9	1650	Fri	921/00	USB	(AB)

E11	7377	30-9	2000	Fri	576/00	USB	(AB/MPJ)
E11a	10213	5-9	0745	Mon	269/39 Attention 57118 88689 15658 ... 68383 16194 64135 Attention, rpt msg, out	USB	(AB/HFD)
E11a	10800	6-9	0645	Tue	514/40 Attention 92802 46949 01378 ... 11462 61713 78660 Attention, rpt msg, out	USB	(ES)
E11a	13046	6-9	1345	Tue	917/35 Attention 43997 ...	USB	(HFD)
E11a	10620	6-9	1925	Tue	522/37 Attention 86237 49337 09281 ... Attention, rpt msg, out	USB	(AB/HFD)
E11a	7850	7-9	0315	Wed	255/38 Attention 12355 37432 89959 ... 54365 66485 25817 Attention, rpt msg, out	USB	(AB/ES)
E11a	10800	8-9	0645	Thu	514/40 Attention 92802 46949 01378 ... 11462 61713 78660 Attention, rpt msg, out	USB	(AB)
E11a	10330	8-9	1530	Thu	269/39 Attention 57118 88689 15658 ... 68383 16194 64135 Attention, rpt msg, out	USB	(AB)
E11a	15915	9-9	0545	Fri	346/33 Attention 79147 ...	USB	(HFD)
E11a	13046	10-9	1345	Sat	917/35 ATTENTION 43997 56984 15702 58466 OUT	USB	(ES)
E11a	6304	12-9	0450	Mon	413/31 Attention 92231 52738 05159 ... 05977 60142 68066 OUT	USB	(ES)
E11a	9399	12-9	0900	Mon	534/38 Attention 84380 ...	USB	(AB)
E11a	8102	13-9	1045	Tue	573/40 Attention 54445 24349 98947 ... 30127 61415 87154 Attention, rpt msg, out	USB	(AB/ES)
E11a	9443	13-9	1205	Tue	460/32 Attention 45036 31270 14044 ... 15636 14078 94228 Attention, rpt msg, out	USB	(AB/Benka)
E11a	15632	13-9	1300	Tue	130/40 Attention 68506 32116 11432 ... 75526 07943 67319 Attention,rpt msg, out	USB	(AB)
E11a	10641	13-9	1650	Tue	442/36 Attention 60420 53126 15350 31505 ...	USB	(AB)
E11a	9399	14-9	0900	Wed	534/38 Attention 84380 66300 00326 ... 86207 25644 50519 OUT	USB	(ES)
E11a	14769	15-9	0745	Thu	333/33 Attention 15393 61944 66840 ... 27062 21312 64523 OUT	USB	(ES)
E11a	9371	15-9	1730	Thu	413/31 Attention 92231 52738 05159 ... 05977 60142 68066 Attention, rpt msg, out	USB	(PW2)
E11a	10221	16-9	0710	Fri	637/37 Attention 13291 83022 66119 ... 34753 06105 01861 OUT	USB	(ES)
E11a	13873	16-9	1650	Fri	921/32 Attention 59236 49205 02818 ... 73639 98750 71410 Attention, rpt msg, out	USB	(AB/HFD)
E11a	10213	17-9	1705	Sat	392/38 Attention 35623 54806 43551 ... 80195 01573 15546 Attention, rpt msg, out	USB	(AB/BvR)
E11a	13873	18-9	1650	Sun	921/32 Attention 59236 49205 02818 ... 73639 98750 71410 Attention, rpt msg, out	USB	(AB)
E11a	7317	19-9	0533	Mon	3 mins late. 649/37 Attention 34200 72427 08114 ... 13012 39084 11475 Attention, rpt msg, out	USB	(AB)
E11a	6397	20-9	1605	Tue	238/36 Attention 09273 88210 31638 ... 97148 33927 04943 Attention, rpt msg, out	USB	(AB)
E11a	11450	21-9	0805	Wed	313/40 Attention 18055 98549 85571 80897 80709 23326 ... Attentio, rpt msg, out	USB	(AB)
E11a	8803	21-9	0930	Wed	278/39 Attention 16316 02998 00153 ... 94902 12281 27202 Attention, rpt msg, out	USB	(AB)
E11a	10448	21-9	1625	Wed	978/36 Attention 77028 70442 13745 ... 38589 29093 35642 Attention, rpt msg, out	USB	(AB)
E11a	7317	22-9	0530	Thu	649/37 Attention 34200 72427 08114 ... 13012 39084 11475 Attention, rpt msg, out	USB	(AB/ES)
E11a	8803	22-9	0930	Thu	278/39 Attention 16316 02998 00153 ... 94902 12281 27202 Attention, rpt msg, out	USB	(AB)
E11a	15825	23-9	0730	Fri	353/39 Attention 16360 06930 94552 ... 55138 61232 17900 Attention, rpt msg, out	USB	(AB)
E11a	5844	24-9	1730	Sat	406/36 Attention 62649 60580 66647 ... 38589 29093 35642 Attention, rpt msg, out	USB	(AB)
E11a	8186	24-9	2005	Sat	369/38 Attention 89536 00954 51174 ... 58834 46775 71320 Attention, rpt msg, out	USB	(AB/ES)
E11a	15825	25-9	0730	Sun	353/39 Attention 16360 06930 94552 ... 55138 61232 17900 Attention, rpt msg, out	USB	(AB)
E11a	11450	25-9	0805	Sun	313/40 Attention 18055 98549 85571 ... 69421 97651 38285 Attention, rpt msg, out	USB	(AB)
E11a	6397	25-9	1605	Sun	238/36 Attention 09273 88210 31638 ... 97148 33927 04943 Attention, rpt msg, out	USB	(AB)

E11a	10448	25-9	1625	Sun	978/36 Attention 77028 70442 13745 ... 72475 95608 56440 Attention, rpt msg, out	USB	(AB)
E11a	7317	26-9	0820	Mon	436/32 Attention 52431 92295 21201 ... 33797 05723 48615 Attention, rpt msg, out	USB	(AB)
E11a	7317	29-9	0820	Thu	436/32 Attention 52431 92295 21201 ... 33797 05723 48615 Attention, rpt msg, out	USB	(AB)
E17z	14260	1-9	0800	Thu	674 203 5 52491 63919 92699 14600 74248 203 5 00000	USB	(AB/HFD)
E17z	12930	1-9	0810	Thu	674 203 5 52491 63919 92699 14600 74248 203 5 00000	USB	(AB/ES/HFD)
E17z	14260	8-9	0800	Thu	674 203 5 52491 63919 92699 14600 74248 203 5 00000	USB	(AB)
E17z	12930	8-9	0810	Thu	674 203 5 52491 63919 92699 14600 74248 203 5 00000	USB	(AB)
E17z	14260	15-9	0800	Thu	674 209 5 33699 39998 30667 35947 83964 209 5 00000	USB	(ES)
E17z	14260	22-9	0800	Thu	674 209 5 33699 39998 30667 35947 83964 209 5 00000	USB	(AB/ES)
E17z	12930	22-9	0810	Thu	674 209 5 33699 39998 30667 35947 83964 209 5 00000	USB	(AB)
E17z	14260	29-9	0800	Thu	674 674 674 00000	USB	(AB)
E17z	12930	29-9	0810	Thu	674 674 674 00000	USB	(AB)
E25	6140	19-9	0830	Mon	701 4611 1090 4292 4139 9068 0633 6498 5410. Trans- mission resets once. 2nd group should be 2080. Windows 7 shutdown sound at the end	AM	(qsr711)
F11	7371	1-9	0515	Thu	0446 00000	FSK 100/625	(Danix)
F11	7371	1-9	0520	Thu	0446 00000	FSK 100/625	(Danix)
F11	10728	1-9	0630	Thu	0574 00000	FSK 100/625	(AB)
F11	10728	1-9	0635	Thu	0574 00000	FSK 100/625	(AB)
F11	14753	1-9	0730	Thu	0433 00000	FSK 100/625	(AB)
F11	14753	1-9	0735	Thu	0433 00000	FSK 100/625	(AB)
F11	10246	2-9	0655	Fri	0684 00000	FSK 100/625	(AB)
F11	10246	2-9	0700	Fri	0684 00000	FSK 100/625	(AB)
F11	7371	2-9	0900	Fri	0554 00000	FSK 100/625	(AB)
F11	7371	2-9	0905	Fri	0554 00000	FSK 100/625	(AB)
F11	7371	5-9	0515	Mon	0446 00000	FSK 100/625	(AB)
F11	7371	5-9	0520	Mon	0446 00000	FSK 100/625	(AB)
F11	6906	5-9	0800	Mon	0434 00000	FSK 100/625	(AB)
F11	6906	5-9	0805	Mon	0434 00000	FSK 100/625	(AB)
F11	9339	5-9	0845	Mon	0353 00000	FSK 100/625	(AB)
F11	9339	5-9	0850	Mon	0353 00000	FSK 100/625	(AB)
F11	10728	6-9	0630	Tue	0574 88888 88888 92802 46949 01378 ... 11462 61713 78660 88888 88888 00044 00044	FSK 100/625	(AB)
F11	10728	6-9	0635	Tue	0574 88888 88888 92802 46949 01378 ... 11462 61713 78660 88888 88888 00044 00044	FSK 100/625	(AB)
F11	7371	6-9	0900	Tue	0554 00000	FSK 100/625	(AB)
F11	7371	6-9	0905	Tue	0554 00000	FSK 100/625	(AB)
F11	9079	6-9	1150	Tue	0325 00000	FSK 100/625	(AB)
F11	9079	6-9	1155	Tue	0325 00000	FSK 100/625	(AB)
F11	7863	7-9	0300	Wed	0231 88888 88888 12355 37432 89959 ... 54365 66485 25817 88888 88888 00042 00042	FSK 100/625	(AB)
F11	7863	7-9	0305	Wed	0231 88888 88888 12355 37432 89959 ... 54365 66485 25817 88888 88888 00042 00042	FSK 100/625	(AB)
F11	9339	7-9	0845	Wed	0353 00000	FSK 100/625	(AB)
F11	9339	7-9	0850	Wed	0353 00000	FSK 100/625	(AB)
F11	9079	7-9	1150	Wed	0325 00000	FSK 100/625	(AB)
F11	9079	7-9	1155	Wed	0325 00000	FSK 100/625	(AB)
F11	7371	8-9	0515	Thu	0446 00000	FSK 100/625	(AB)
F11	7371	8-9	0520	Thu	0446 00000	FSK 100/625	(AB)
F11	10728	8-9	0630	Thu	0574 88888 88888 92802 46949 01378 ... 11462 61713 78660 88888 88888 00044 00044	FSK 100/625	(AB)
F11	10728	8-9	0635	Thu	0574 88888 88888 92802 46949 01378 ... 11462 61713 78660 88888 88888 00044 00044	FSK 100/625	(AB)
F11	14753	8-9	0730	Thu	0433 00000	FSK 100/625	(AB)
F11	14753	8-9	0735	Thu	0433 00000	FSK 100/625	(AB)
F11	10246	9-9	0655	Fri	0684 00000	FSK 100/625	(AB)
F11	10246	9-9	0700	Fri	0684 00000	FSK 100/625	(AB)
F11	7371	9-9	0900	Fri	0554 00000	FSK 100/625	(AB)
F11	7371	9-9	0905	Fri	0554 00000	FSK 100/625	(AB)
F11	7371	13-9	0900	Tue	0554 00000	FSK 100/625	(AB)
F11	7371	13-9	0905	Tue	0554 00000	FSK 100/625	(AB)
F11	9079	13-9	1150	Tue	0325 88888 88888 45036 31270 14044 ... 15636 14078 94228 88888 88888 00036 00036	FSK 100/625	(AB)

F11	9079	13-9	1155	Tue	0325 88888 88888 45036 31270 14044 ... 15636 14078 94228 88888 88888 00036 00036	FSK 100/625	(AB)
F11	14972	13-9	1245	Tue	0132 88888 88888 68506 32116 11432 ... 75526 07943 67319 88888 88888 00044 00044	FSK 100/625	(AB)
F11	14972	13-9	1250	Tue	0132 88888 88888 68506 32116 11432 ... 75526 07943 67319 88888 88888 00044 00044	FSK 100/625	(AB)
F11	7371	16-9	0900	Fri	0554 00000	FSK 100/625	(AB)
F11	7371	16-9	0905	Fri	0554 00000	FSK 100/625	(AB)
F11	7371	19-9	0515	Mon	0446 88888 88888 34200 72427 08114 ... 13012 39084 11475 88888 88888 00041 00041	FSK 100/625	(AB)
F11	7371	19-9	0520	Mon	0446 88888 88888 34200 72427 08114 ... 13012 39084 11475 88888 88888 00041 00041	FSK 100/625	(AB)
F11	6906	19-9	0800	Mon	0434 00000	FSK 100/625	(AB)
F11	6906	19-9	0805	Mon	0434 00000	FSK 100/625	(AB)
F11	9339	19-9	0845	Mon	0353 00000	FSK 100/625	(AB)
F11	9339	19-9	0850	Mon	0353 00000	FSK 100/625	(AB)
F11	7371	20-9	0900	Tue	0554 00000	FSK 100/625	(AB)
F11	7371	20-9	0905	Tue	0554 00000	FSK 100/625	(AB)
F11	9079	20-9	1150	Tue	0325 00000	FSK 100/625	(AB)
F11	9079	20-9	1155	Tue	0325 00000	FSK 100/625	(AB)
F11	14972	20-9	1245	Tue	0132 00000	FSK 100/625	(AB)
F11	14972	20-9	1250	Tue	0132 00000	FSK 100/625	(AB)
F11	16005	21-9	0530	Wed	0453 00000	FSK 100/625	(AB)
F11	16005	21-9	0535	Wed	0453 00000	FSK 100/625	(AB)
F11	9339	21-9	0845	Wed	0353 00000	FSK 100/625	(AB)
F11	9339	21-9	0850	Wed	0353 00000	FSK 100/625	(AB)
F11	9079	21-9	1150	Wed	0325 00000	FSK 100/625	(AB)
F11	9079	21-9	1155	Wed	0325 00000	FSK 100/625	(AB)
F11	14972	21-9	1245	Wed	0132 00000	FSK 100/625	(AB)
F11	14972	21-9	1250	Wed	0132 00000	FSK 100/625	(AB)
F11	7863	22-9	0300	Thu	0423 00000	FSK 100/625	(AB)
F11	7863	22-9	0305	Thu	0423 00000	FSK 100/625	(AB)
F11	7371	22-9	0515	Thu	0446 88888 88888 34200 72427 08114 ... 13012 39084 11475 88888 88888 00041 00041	FSK 100/625	(AB)
F11	7371	22-9	0520	Thu	0446 88888 88888 34200 72427 08114 ... 13012 39084 11475 88888 88888 00041 00041	FSK 100/625	(AB)
F11	10728	22-9	0630	Thu	0574 00000	FSK 100/625	(AB)
F11	10728	22-9	0635	Thu	0574 00000	FSK 100/625	(AB)
F11	14753	22-9	0730	Thu	0433 00000	FSK 100/625	(AB)
F11	14753	22-9	0735	Thu	0433 00000	FSK 100/625	(AB)
F11	6906	22-9	0800	Thu	0434 00000	FSK 100/625	(AB)
F11	6906	22-9	0805	Thu	0434 00000	FSK 100/625	(AB)
F11	16005	23-9	0530	Fri	0453 00000	FSK 100/625	(AB)
F11	16005	23-9	0535	Fri	0453 00000	FSK 100/625	(AB)
F11	10246	23-9	0655	Fri	0684 00000	FSK 100/625	(AB)
F11	10246	23-9	0700	Fri	0684 00000	FSK 100/625	(AB)
F11	7371	23-9	0900	Fri	0554 00000	FSK 100/625	(AB)
F11	7371	23-9	0905	Fri	0554 00000	FSK 100/625	(AB)
F11	7371	26-9	0515	Mon	0446 00000	FSK 100/625	(AB)
F11	7371	26-9	0520	Mon	0446 00000	FSK 100/625	(AB)
F11	6906	26-9	0800	Mon	0434 88888 88888 52431 92295 21201 ... 33797 05723 48615 88888 88888 00036 00036	FSK 100/625	(AB)
F11	6906	26-9	0805	Mon	0434 88888 88888 52431 92295 21201 ... 33797 05723 48615 88888 88888 00036 00036	FSK 100/625	(AB)
F11	10728	27-9	0630	Tue	0574 00000	FSK 100/625	(AB)
F11	10728	27-9	0635	Tue	0574 00000	FSK 100/625	(AB)
F11	14753	27-9	0730	Tue	0433 00000	FSK 100/625	(AB)
F11	14753	27-9	0735	Tue	0433 00000	FSK 100/625	(AB)
F11	7371	27-9	0900	Tue	0554 88888 88888 54012 17627 48386 ... 33137 79079 78736 88888 88888 00037 00037	FSK 100/625	(AB)
F11	7371	27-9	0905	Tue	0554 88888 88888 54012 17627 48386 ... 33137 79079 78736 88888 88888 00037 00037	FSK 100/625	(AB)
F11	9079	27-9	1150	Tue	0325 00000	FSK 100/625	(AB)
F11	9079	27-9	1155	Tue	0325 00000	FSK 100/625	(AB)
F11	14972	27-9	1245	Tue	0132 00000	FSK 100/625	(AB)
F11	14972	27-9	1250	Tue	0132 00000	FSK 100/625	(AB)

F11	16005	28-9	0530	Wed	0453 00000	FSK 100/625	(AB)
F11	16005	28-9	0535	Wed	0453 00000	FSK 100/625	(AB-FNL)
F11	9339	28-9	0845	Wed	0353 00000	FSK 100/625	(AB)
F11	9339	28-9	0850	Wed	0353 00000	FSK 100/625	(AB)
F11	9079	28-9	1150	Wed	0325 00000	FSK 100/625	(AB)
F11	9079	28-9	1155	Wed	0325 00000	FSK 100/625	(AB)
F11	7371	29-9	0515	Thu	0446 00000	FSK 100/625	(AB)
F11	7371	29-9	0520	Thu	0446 00000	FSK 100/625	(AB)
F11	10728	29-9	0630	Thu	0574 00000	FSK 100/625	(AB)
F11	10728	29-9	0635	Thu	0574 00000	FSK 100/625	(AB)
F11	6906	29-9	0800	Thu	0434 88888 88888 52431 92295 21201 ... 33797 05723 48615 88888 88888 00036 00036	FSK 100/625	(AB)
F11	6906	29-9	0805	Thu	0434 88888 88888 52431 92295 21201 ... 33797 05723 48615 88888 88888 00036 00036	FSK 100/625	(AB)
F11	16005	30-9	0530	Fri	0453 00000	FSK 100/625	(AB)
F11	16005	30-9	0535	Fri	0453 00000	FSK 100/625	(AB)
F11	7371	30-9	0900	Fri	0554 88888 88888 54012 17627 48386 ... 33137 79079 78736 88888 88888 00037 00037	FSK 100/625	(AB)
F11	7371	30-9	0905	Fri	0554 88888 88888 54012 17627 48386 ... 33137 79079 78736 88888 88888 00037 00037	FSK 100/625	(AB)
G06	6810	5-9	0759	Mon	329 (R) 613 20 14259 22676 32782 ... 73311 98089 12252 613 20 00000 (1 min early)	USB	(AB)
G06	4767	5-9	1700	Mon	574 (R) 909 137 71848 70279 97387 ... 14549 41032 66702 018 137 00000 (error in key group)	USB	(AB/HFD)
G06	4953	5-9	1800	Mon	574 (R) 909 137 71848 70279 97387 ... 14549 41032 66702 909 137 00000 (correct key group)	USB	(AB/HFD)
G06	5186	7-9	1159	Wed	574 909 137 71848 70279 41032 66702 909 137 00000	USB	(ES)
G06	5436	7-9	1258	Wed	574 909 137 71848 70279 41032 66702 909 137 00000	USB	(ES)
G06	5943	8-9	1830	Thu	579 317 90 37839 35787 98273 ... 64848 85748 84784 317 90 00000	USB	(AB/HFD)
G06	5442	9-9	1939	Fri	947 391 60 56327 21940 73218 ... 47309 94872 47426 391 60 00000	USB	(AB/HFD)
G06	4767	12-9	1700	Mon	574 (R) 909 137 71848 70279 97387 ... 14549 41032 66702 909 137 00000	USB	(AB)
G06	4953	12-9	1800	Mon	574 (R) 909 137 71848 70279 97387 ... 14549 41032 66702 909 137 00000	USB	(AB)
G06	5186	14-9	1159	Wed	574 909 137 71848 70279 41032 66702 909 137 00000	USB	(ES/HFD)
G06	5436	14-9	1258	Wed	574 909 137 71848 70279 41032 66702 909 137 00000	USB	(ES/HFD-POL)
G06	6810	19-9	0800	Mon	329 329 329 00000	USB	(AB/ES)
G06	4608	22-9	1158	Thu	329 329 329 00000	USB	(ES)
G06	5934	22-9	1830	Thu	579 317 60 37839 35787 98273 ... 34344 45454 34344 317 60 00000	USB	(AB)
G06	5442	23-9	1920	Fri	111 111 111 0000	USB	(GHn)
G06	5442	23-9	1930	Fri	579 317 60 37839 35787 98273 ... 34344 45454 34344 317 60 00000	USB	(AB)
HM01	11435	1-9	1558	Thu	88744 74582 71783 24021 32436 61004	AM/RDFT	(RR2)
HM01	11435	2-9	1558	Fri	88745 74583 71784 24022 32437 61005	AM/RDFT	(RR2)
HM01	11435	2-9	1602	Fri	88745 74583 71784 24022 32437 61005	AM/RDFT	(DSch)
HM01	11435	3-9	1558	Sat	88746 74584 71785 24023 32438 61006	AM/RDFT	(RR2)
HM01	11635	3-9	1759	Sat	88746 74584 71785 24023 32438 61006	AM/RDFT	(DSch)
HM01	10860	4-9	0503	Sun	88746 74584 71785 24023 32438 61006	AM/RDFT	(AB)
HM01	10345	4-9	0557	Sun	88746 74584 71785 24023 32438 61006	AM/RDFT	(AB)
HM01	9330	4-9	0659	Sun	88746 74584 71785 24023 32438 61006	AM/RDFT	(AB)
HM01	9065	4-9	0757	Sun	88746 74584 71785 24023 32438 61006	AM/RDFT	(AB)
HM01	11635	4-9	1329	Sun	88747 74585 71786 24024 35821 61007	AM/RDFT	(DSch)
HM01	11435	4-9	1558	Sun	88747 74585 71786 24024 35821 61007	AM/RDFT	(RR2)
HM01	10345	5-9	0628	Mon	i.p. 88747 74585 71786 24024 35821 61007	AM/RDFT	(AB)
HM01	11435	5-9	1558	Mon	88748 74586 71787 24025 35821 61008	AM/RDFT	(RR2)
HM01	11435	6-9	1600	Tue	88749 74587 71788 24026 35822 61009	AM/RDFT	(RR2)
HM01	11435	6-9	1605	Tue	88749 74587 71788 24026 35822 61009	AM/RDFT	(DSch)
HM01	11635	6-9	1759	Tue	88748 74586 71787 24025 35821 61008	AM/RDFT	(DSch)

HM01	11435	7-9	1551	Wed	Yesterday's numbers. then at 1557 UTC new ones: 23471 74588 18631 24027 35823 26811	AM/RDFT	(RR2)
HM01	11435	7-9	1635	Wed	23471 74588 18631 24027 35823 26811	AM/RDFT	(DSch)
HM01	11435	8-9	1559	Thu	23471 30501 18631 24028 35824 26811	AM/RDFT	(DSch)
HM01	11530	8-9	1657	Thu	23471 30501 18631 24028 35824 26811 Files: 52442347.TXT 50233050.F1C 26851863.TXT 68682402.TXT 52153582.TXT 76442681.TXT	AM/RDFT	(PW2-USA)
HM01	16180	8-9	2057	Thu	23471 30501 18631 24028 35824 26811	AM/RDFT	(RL)
HM01	11435	9-9	1558	Fri	23472 30501 18632 24029 35825 26812	AM/RDFT	(RR2)
HM01	11530	9-9	1716	Fri	23472 30501 18632 24029 35825 26812	AM/RDFT	(DSch)
HM01	11435	10-9	1551	Sat	Yesterday's numbers followed by new groups at 1557z: 23474 30503 18634 18221 35827 26814	AM/RDFT	(RR2)
HM01	11530	10-9	1700	Sat	23473 30502 18633 18221 35826 26813	AM/RDFT	(RR2)
HM01	11635	10-9	1845	Sat	23473 30502 18633 18221 35826 26813	AM/RDFT	(DSch)
HM01	11435	11-9	1551	Sun	Yesterday's numbers followed by new groups at 1557 UTC: 23475 30504 18635 18222 35828 26815	AM/RDFT	(RR2)
HM01	11635	11-9	2112	Sun	23474 30503 18634 18221 35827 26814	AM/RDFT	(DSch)
HM01	11635	12-9	1838	Mon	23475 30504 18635 18222 35828 26815	AM/RDFT	(DSch)
HM01	11635	13-9	0806	Tue	23475 30504 18635 18222 35828 26815	AM/RDFT	(AB)
HM01	11462	13-9	0857	Tue	23475 30504 18635 18222 35828 26815	AM/RDFT	(AB)
HM01	11435	13-9	1556	Tue	1st two groups from 12-9, then dead air with carrier. At 1558 UTC: 23476 30505 18636 18223 35829 26816	AM/RDFT	(RR2)
HM01	11435	13-9	1559	Tue	23476 30505 18636 18223 35829 26816	AM/RDFT	(DSch)
HM01	16180	13-9	2100	Tue	23476 30505 18636 18223 35829 26816	AM/RDFT	(DSch)
HM01	17480	13-9	2157	Tue	23476 30505 18362 18223 35829 26816	AM/RDFT	(RL)
HM01	11435	14-9	1558	Wed	Repeating yesterday's groups: 23477 30506 18637 18224 41461 26817 audio cutting in & out till 1601z	AM/RDFT	(RR2)
HM01	11435	15-9	1557	Thu	Yesterdays groups, then at 1558 UTC: 53781 30507 66311 18225 41461 18721	AM/RDFT	(RR2)
HM01	11435	16-9	1557	Fri	53781 30508 66311 18226 41462 18721	AM/RDFT	(RR2)
HM01	11435	16-9	1641	Fri	53781 30507 66311 18225 41461 18721	AM/RDFT	(DSch)
HM01	11530	16-9	1659	Fri	53781 30508 66311 18226 41462 18721	AM/RDFT	(DSch)
HM01	11635	16-9	1659	Fri	53781 30508 66311 18226 41462 18721 Wrong freq. Shifted to 11530 kHz	AM/RDFT	(DSch)
HM01	11635	16-9	1831	Fri	53781 30508 66311 18226 41462 18721	AM/RDFT	(DSch)
HM01	11435	17-9	1555	Sat	i.p. sending yesterday's groups. At 1558 UTC new groups: 53782 30509 66312 18227 41463 18722	AM/RDFT	(RR2)
HM01	11435	17-9	1602	Sat	53782 30509 66312 18227 41463 18722	AM/RDFT	(DSch)
HM01	16180	17-9	2110	Sat	53782 30509 66312 18227 41463 18722	AM/RDFT	(CTY)
HM01	10860	18-9	0501	Sun	53782 30509 66312 18227 41463 18722	AM/RDFT	(AB)
HM01	9330	18-9	0656	Sun	53782 30509 66312 18227 41463 18722	AM/RDFT	(AB)
HM01	9065	18-9	0808	Sun	i.p. 53782 30509 66312 18227 41463 18722	AM/RDFT	(AB)
HM01	11435	18-9	1602	Sun	53783 63301 66313 18228 41464 18723	AM/RDFT	(RR2)
HM01	11635	18-9	2100	Sun	53783 63301 66313 18228 41464 18723	AM/RDFT	(DSch)
HM01	10806	19-9	0502	Mon	53783 63301 66313 18228 41464 18723	AM/RDFT	(AB)
HM01	11435	19-9	1557	Mon	53784 63301 66314 33411 41465 18724	AM/RDFT	(RR2)
HM01	11435	20-9	1557	Tue	53785 63302 66315 33411 41466 18725	AM/RDFT	(RR2)
HM01	11635	20-9	1805	Tue	53785 63302 66315 33411 41466 18725	AM/RDFT	(DSch)
HM01	8135	20-9	2300	Tue	53785 63302 66315 33411 41466 18725. No callup, went right into text groups.	AM/RDFT	(DSch)
HM01	10860	21-9	0455	Wed	53785 63302 66315 33411 41466 18725	AM/RDFT	(AB)
HM01	11635	21-9	1808	Wed	i.p. 53786 63303 66316 33412 41467 18726	AM/RDFT	(RR2)
HM01	10715	21-9	2159	Wed	53786 63303 66316 33412 41467 18726	AM/RDFT	(DSch)
HM01	11435	22-9	1601	Thu	53787 63304 66317 33413 41468 18727	AM/RDFT	(DSch)
HM01	17480	22-9	2208	Thu	i.p. 53787 63304 66317 33413 41468 18727	AM/RDFT	(RR2)
HM01	11435	23-9	1630	Fri	53788 63305 66318 33414 41469 18728	AM/RDFT	(DSch)
HM01	11530	23-9	1657	Fri	53788 63305 66318 33414 41469 18728 Files: 46065378.TXT 00046330.TXT 50816631.F1C 15123341.TXT 72134146.TXT 07651872.TXT	AM/RDFT	(qsr711)
HM01	11635	23-9	1800	Fri	i.p. 53788 63305 66318 33414 41469 18728	AM/RDFT	(RR2)
HM01	11435	24-9	1600	Sat	i.p. 14101 63306 66319 33415 07641 18729	AM/RDFT	(RR2)
HM01	11435	24-9	1630	Sat	14101 63305 66318 33414 41469 18728	AM/RDFT	(DSch)
HM01	10345	25-9	0559	Sun	14101 63306 66319 33415 07641 18729	AM/RDFT	(AB)
HM01	11435	25-9	1557	Sun	14101 63307 37381 33416 07641 80181	AM/RDFT	(RR2)
HM01	11435	26-9	1601	Mon	Technical issues until 1601z then right into groups with data 14102 63308 37381 33417 07642 80181	AM/RDFT	(MPJ)

HM01	11435	26-9	1605	Mon	14102 63308 37281 33417 87642 80181	AM/RDFT	(DSch)
HM01	11435	27-9	1559	Tue	14103 28701 37382 33418 07643 80182	AM/RDFT	(RR2/DSch)
HM01	11435	28-9	1558	Wed	14104 28701 37383 12731 07644 80183	AM/RDFT	(RR2)
HM01	11635	28-9	2128	Wed	14104 28701 37383 12731 07644 80183	AM/RDFT	(DSch)
HM01	11435	29-9	1556	Thu	Sending yesterday's groups until 1558z then 14105 28702 37384 12731 07645 80184	AM/RDFT	(RR2)
HM01	11435	30-9	1557	Fri	14106 28703 37385 12732 07646 80185	AM/RDFT	(RR2)
HM01	11635	30-9	2059	Fri	14106 28703 37385 12732 07646 80185	AM/RDFT	(DSch)
HM02	7351	1-9	0427	Thu	523 51 = 27657 63331 81783 ... 75685 78036 58634 = 523 51 523 51 = repeats message = 523 51 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	2-9	0430	Fri	552 52 = 80823 37181 60527 ... 55250 43150 81853 44031 = repeats message = 552 52 000	FSK-19.8bd/129 Hz/FSK-CW	(AB/BR)
HM02	7351	3-9	0428	Sat	264 32 = 80823 37181 60527 ... 37083 62540 16712 = 264 32 264 32 = repeats message = 264 32 000 (msg consists of the 1st 32 groups of 2/9)	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	4-9	0426	Sun	287 46 = 35066 54693 96993 ... 88955 28505 54532 = 287 46 287 46 = repeats message = 287 46 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	5-9	0422	Mon	427 46 = 88619 66245 08686 ... 84692 76912 96708 = 427 46 427 46 = repeats message = 427 46 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	6-9	0429	Tue	814 48 = 10278 46124 48661 ... 67061 66786 70305 = 814 48 814 48 = repeats message = 814 48 000	FSK-19.8bd/129 Hz/FSK-CW	(AB/BR)
HM02	7351	7-9	0429	Wed	287 46 = 35066 54693 96993 ... 88955 28505 54532 = 287 46 287 46 = repeats message = 287 46 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	8-9	0421	Thu	803 42 = 35066 54693 96993 ... 66229 90875 23564 = 803 42 803 42 = repeats message = 803 42 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	9-9	0426	Fri	680 44 = 64264 27048 80356 ... 29541 21524 52225 = 680 44 680 44 = repeats message = 680 44 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	10-9	0424	Sat	127 34 = 82483 22357 52782 ... 47032 02715 46271 = 127 34 repeats message = 127 34 000	FSK-19.8bd/129 Hz/FSK-CW	(BR)
HM02	7351	11-9	0419	Sun	546 42 = 22204 08981 17488 ... 33218 54707 15291 = 546 42 546 42 = repeat message = 546 42 000	FSK-19.8bd/129 Hz/FSK-CW	(BR)
HM02	7351	12-9	0421	Mon	829 43 = 82985 18686 18991 ... 81613 82519 66659 = 829 43 829 43 = repeats message = 829 43 000	FSK-19.8bd/129 Hz/FSK-CW	(BR)
HM02	7351	13-9	0421	Tue	948 47 = 70513 55745 12178 ... 82682 53822 00506 = 948 47 948 47 = repeats message = 948 47 000	FSK-19.8bd/129 Hz/FSK-CW	(BR)
HM02	7351	14-9	0426	Wed	294 53 = 64186 20610 73827 ... 34137 46438 07808 = 294 53 294 53 = repeats message = 294 53 = 000	FSK-19.8bd/129 Hz/FSK-CW	(BR)
HM02	7351	15-9	0411	Thu	414 46 = 45619 05459 00978 ... 08624 03432 71254 = 414 46 414 46 = repeats message = 414 46 = 000	FSK-19.8bd/129 Hz/FSK-CW	(BR)
HM02	7351	16-9	0418	Fri	207 46 = 63848 19967 56893 ... 44595 90726 71644 = 207 46 207 46 = repeats message = 207 46 000	FSK-19.8bd/129 Hz/FSK-CW	(BR)
HM02	7351	17-9	0421	Sat	223 56 = 34105 46600 26688 ... 51002 21345 48356 = 223 56 223 56 = repeats message = 223 56 000	FSK-19.8bd/129 Hz/FSK-CW	(AB/BR)
HM02	7351	18-9	0421	Sun	806 45 = 45435 13540 25157 ... 54618 10117 64042 = 806 45 806 45 = repeats message = 806 45 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	19-9	0420	Mon	523 49 = 82247 76594 81625 0... 50572 62788 30462 = 523 49 523 49 = repeats message = 523 49 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)

HM02	7351	20-9	0416	Tue	281 43 = 43273 66870 85083 ... 72591 88501 53232 = 281 43 000	FSK-19.8bd/129 Hz/FSK-CW	(BR)
HM02	7351	21-9	0422	Wed	829 41 = 86010 24414 77082 ... 74919 02946 81578 = 829 41 829 41 = repeats message = 829 41 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	22-9	0421	Thu	FSK 50/129: 710 49 = 11262, stopped and switched to CW. 807 41 = 86010 24414 77082 ... 74919 02946 81578 = 807 41 000 error in repeat	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	23-9	0416	Fri	834 41 = 86010 24414 77082 ... 74919 02946 81578 = 834 41 834 41 = repeats message = 834 41 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	24-9	0420	Sat	861 43 = 25692 69631 71906 ... 43567 65712 56732 = 861 43 861 43 = repeats message = 861 43 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	25-9	0423	Sun	513 42 = 52385 17874 54337 ... 15677 50196 12400 = 513 42 513 42 = repeats message = 513 42 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	26-9	0425	Mon	235 49 = 57335 637x5 34618 ... 06833 45213 87104 = 235 49 235 49 = repeats message = 235 49 000	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	7351	27-9	0420	Tue	125 41 = 37833 68734 87336 ... 09913 68619 79284 = 125 41 125 stops, carrier for 2 mins, off	FSK-19.8bd/129 Hz/FSK-CW	(AB)
HM02	6261	28-9	0420	Wed	192 54 = 08208 01014 87431 ... 00173 20844 20690 = 192 54 192 54 = repeats message = 192 54 000	FSK-19.8bd/129 Hz/FSK-CW	(BR)
M01	5475	1-9	1800	Thu	463 very fast handgiven	CW	(HFD)
M01	5020	1-9	2000	Thu	463 very fast handgiven	CW	(HFD)
M01	6260	3-9	1500	Sat	463 193 30 = 98541 71526 54541 ... 21653 89712 09711 000	CW	(ES)
M01	5475	27-9	1800	Tue	463 753 30 = = 9591295912354113541122697226977755577555 0215402154 ... 157031574528945289356423564235 = = 753 30 000. No spaces. Errors.	CW	(MPJ)
M01	5475	29-9	1800	Thu	463 631 30 = = 02487 04769 02456 01458 22897 ... 64895 25648 35684 69475 25402 = = 631 30 000	CW	(MPJ)
M01a	2403	7-9	0211	Wed	527 527 527 297 72, 527 527 527 040 02, 527 527 527 290 48, 527 527 527 294 24, 527 527 527 295 33	CW	(F5JBR)
M01a	9411	13-9	0532	Tue	751 751 751 962 17, 751 751 751 978 37	CW	(F5JBR)
M01a	3794	13-9	1719	Tue	264 264 264, 330 19	CW	(F5JBR)
M01a	2698	13-9	2121	Tue	103 103 103 10843 10843 103 1 04002 04002 04001 103 111 000	CW	(Benka)
M01a	3978	14-9	0534	Wed	362 362 362 971 78, 362 362 362 914 03	CW	(F5JBR)
M01a	3768	14-9	1719	Wed	842 842 842 841 40. 842 842 842 04001. 842 842 842 111 000. 842 842 842 861 42	CW	(F5JBR)
M01a	3233	15-9	1731	Thu	490 490 490 771 49. 333 772 11 333 772 11. 490 490 490 772 11. 490 490 774 11. 490 490 490 785 23	CW	(F5JBR)
M01a	4508	16-9	1705	Fri	343 343 343 94420 94420 343 343 343 42094 42094 343 343 343 40301 40301 000	CW	(uascan)
M01a	3205	17-9	1724	Sat	333 39 333 40 333 42 333 42 333 43 33 43 333 45 ... 111 000	CW	(F5JBR)
M01a	3205	17-9	1800	Sat	712 712 712 338 32 and 333 01 and 333 02 and 333 04	CW	(F5JBR)
M01a	4608	19-9	0655	Mon	658 658 658 098 65 and 333 03 and 333 00 and 111 000	CW	(F5JBR)
M01a	3394	19-9	1401	Mon	403 403 403 525 83	CW	(F5JBR)
M01a	3829	19-9	1406	Mon	365 365 365 685 57 and 365 365 365 685 69 and 111 000	CW	(F5JBR)
M01a	4495	19-9	1419	Mon	924 924 924 215 32 and 924 924 924 215 32 and 111 000	CW	(F5JBR)
M01a	4367	19-9	1443	Mon	718 718 718 118 63 and 718 718 718 118 63 and 718 718 718 129 43 and 111 000	CW	(F5JBR)
M01a	6425	20-9	1417	Tue	333 346 62 and 118 118 118 333 346 62 and 118 118 118 333 327 07 and 118 118 118 333 334 07	CW	(F5JBR)
M01a	6425	20-9	1424	Tue	118 333 33407	CW	(Benka)
M01a	5170	20-9	1523	Tue	111 999 12790 935 43 = 65815 40548 ... 59405 38523 = 935 43 111 0 0 0	CW	(Benka)
M01a	5268	20-9	1540	Tue	556 556 556 409 50 and 333 407 50 and 333 403 50 and 333 415 50 and 333 421 79 and 333 423 83 and 111 000	CW	(F5JBR)

M01a	5268	20-9	1558	Tue	333 41550 333 42179 333 42383 111 000	CW	(Benka)
M01a	3340	20-9	1711	Tue	i.p. 00280 16462 and 00280 14707 and 111 999 and 111 999 and 205 27 =	CW	(F5JBR)
M01a	4184	20-9	1805	Tue	i.p. 40272 333 40062 333 40182 040 03 459 111 000	CW	(Benka)
M01a	4027	20-9	2011	Tue	221 24383 111 000	CW	(Benka)
M01a	4273	21-9	0509	Wed	i.p. = 094 53 and 111 999 and 088 67 = 81704 51038 37582 ... = 088 67 and 111 000	CW	(F5JBR)
M01a	5936	21-9	0911	Wed	i.p. 111 999 and 583 46 = 88839 34778 05966 98006 40432 ... = 583 46 and 111 000	CW	(F5JBR)
M01a	5836	21-9	0919	Wed	673 673 673 and 111 040 02 and 673 673 673 111 960 07 and 111 960 07 and 111 and 333 959 37 and 111 040 02 and 673 673 673 111 000	CW	(F5JBR)
M01a	5836	22-9	0803	Thu	673 673 673 955 03 and 111	CW	(F5JBR)
M01a	5860	22-9	0803	Thu	i.p. = 246 70 and 111 333 = 67748 70285 85981 36438 à / à = 111 333 65 = 76310 and 111 000	CW	(F5JBR)
M01a	4871	22-9	0829	Thu	i.p. 459 4 59 and 111 000	CW	(F5JBR)
M01a	4629	26-9	1221	Mon	i.p. 333 18 333 19 333 19	CW	(F5JBR)
M01a	4808	26-9	1426	Mon	i.p. = 463 155 and 111 = 712 59 111 000	CW	(F5JBR)
M01a	4956	27-9	1234	Tue	702 702 702 577 34 822 20 = 5FGs = 822 20 = 111 333 000	CW	(F5JBR)
M01a	4896	27-9	1251	Tue	716 716 716 20 111 000	CW	(F5JBR)
M01a	4833	27-9	1300	Tue	964 964 964 393 34 111 999 712 20 = 6515	CW	(F5JBR)
M01a	4458	27-9	1401	Tue	i.p. 333 905 333 905 339 119 30 = 77121 46305 ...	CW	(F5JBR)
M01a	4830	27-9	1404	Tue	145 145 145 734 36	CW	(F5JBR)
M01a	2055	27-9	1702	Tue	111 159 20 = 5FGs = 159 20 = 111 999 214 20 = 62670 20716 ... = 214 20 111 000	CW	(F5JBR)
M01a	2030	27-9	1715	Tue	298 298 298 957 30 298 298 298 957 30	CW	(F5JBR)
M01a	2064	27-9	1729	Tue	333 919 333 9 333 20 333 20 29462 45112 ... = 386 20 111 = 451 17 333 111 = 501 18 111 999 222 226 20 = 80799 95775 ...	CW	(F5JBR)
M01b	3510	1-9	1832	Thu	201 715 33 = 51536 //4605	CW	(HFD)
M01b	4605	1-9	1832	Thu	201 715 33= 51536 //3510	CW	(HFD)
M01b	3715	1-9	1942	Thu	477 715 33 = 51536 //4570	CW	(HFD)
M01b	4570	1-9	1942	Thu	477 715 33= 51536 //3715	CW	(HFD)
M01b	3520	9-9	2009	Fri	582 715 33 = 51536 13409 98940 ... 47719 89594 82028 = 715 33 000 //4585 kHz	CW	(AnEur)
M01b	4585	9-9	2009	Fri	582 715 33 = 51536 13409 98940 ... 47719 89594 82028 = 715 33 000 //3520 kHz	CW	(AnEur)
M01b	3520	9-9	2010	Fri	582 715 33 = 51536 //4585	CW	(HFD)
M01b	4585	9-9	2010	Fri	582 715 33= 51536 //3520	CW	(HFD)
M01b	3535	12-9	1810	Mon	420 715 33 = 51536 //4590	CW	(HFD)
M01b	4590	12-9	1810	Mon	420 715 33= 51536 //3535	CW	(HFD)
M01b	4591	12-9	1811	Mon	420 715 33 = 51536 13409 ... = 715 33 = 000	CW	(F5JBR)
M01b	3625	16-9	1902	Fri	153 715 33 = 51536 //4941	CW	(HFD)
M01b	4941	16-9	1902	Fri	153 715 33 = 51536 //3625	CW	(HFD)
M01b	3644	19-9	1915	Mon	771 715 33 = 51536 //4454	CW	(HFD)
M01b	4454	19-9	1915	Mon	771 715 33= 51536 //3644	CW	(HFD)
M01b	4606	22-9	1834	Thu	201 201 201 and 715 33 = = 51536 13409 98940 à / à = = 715 33 000 //4607 kHz	CW	(F5JBR)
M01b	3535	26-9	1810	Mon	420 715 33 = = 51536 13409 98940 26245 84210 ... 58695 22042 47719 89594 82028 = = 715 33 000 //4590 kHz	MCW	(MPJ)
M01b	4590	26-9	1810	Mon	420 715 33 = = 51536 13409 98940 26245 84210 ... 58695 22042 47719 89594 82028 = = 715 33 000 //3535 kHz	MCW	(MPJ)
M01b	3645	26-9	1915	Mon	771 715 33 = = 51536 13409 98940 26245 84210 ... 58695 22042 47719 89594 82028 = = 715 33 000 //4455 kHz	MCW	(MPJ)
M01b	4455	26-9	1915	Mon	771 715 33 = = 51536 13409 98940 26245 84210 ... 58695 22042 47719 89594 82028 = = 715 33 000 //3645 kHz	MCW	(MPJ)
M01b	3715	29-9	1942	Thu	477 715 33 51536 13409 98940 26245 84210 ... 58695 22042 47719 89594 82028 = = 715 33 000 //4570 kHz	MCW	(MPJ)
M01b	4570	29-9	1942	Thu	477 715 33 51536 13409 98940 26245 84210 ... 58695 22042 47719 89594 82028 = = 715 33 000 //3715 kHz	MCW	(MPJ)
M01b	3625	30-9	1902	Fri	153 715 33 = = 51536 13409 98940 ... 47719 89594 82028 = = 715 33 000 //4940 UTC	MCW	(MPJ)
M01b	4940	30-9	1902	Fri	153 715 33 = = 51536 13409 98940 ... 47719 89594 82028 = = 715 33 000 //3625 UTC	MCW	(MPJ)
M08a	7554	11-9	2015	Sun	i.p. NNWTA DWTNN	CW	(DSch)
M08a	8136	16-9	2257	Fri	DGI	CW	(MDK2)

M08a	7554	27-9	2001	Tue	IADRA GUITN TIANA	CW	(DSch)
M08a	7554	29-9	2009	Thu	In tfc	CW	(DSch)
M12	6784	1-9	0630	Thu	761 761 761 000	CW	(ES/HFD)
M12	7684	1-9	0650	Thu	761 761 761 000	CW	(AB/ES/HFD)
M12	13873	1-9	1310	Thu	834 834 834 000	CW	(MPJ/ES)
M12	13373	1-9	1330	Thu	834 834 834 000	CW	(MPJ/ES)
M12	11435	1-9	1800	Thu	938 1	CW	(HFD)
M12	10598	1-9	1820	Thu	938 1	CW	(HFD)
M12	9327	1-9	1840	Thu	938 1	CW	(HFD)
M12	9176	1-9	1900	Thu	257 1	CW	(HFD)
M12	7931	1-9	1920	Thu	257 1	CW	(HFD)
M12	6904	1-9	1940	Thu	257 1	CW	(HFD)
M12	8047	1-9	2000	Thu	463 1	CW	(HFD)
M12	6802	1-9	2020	Thu	463 1	CW	(HFD)
M12	5788	1-9	2040	Thu	463 1	CW	(HFD)
M12	10343	2-9	1200	Fri	124 1 (R) 5210 52 33594 82965 34971 ... 52246 36712 24769 000 000	CW	(AB/ES)
M12	9264	2-9	1220	Fri	124 1 (R) 5210 52 33594 82965 34971 ... 52246 36712 24769 000 000	CW	(AB/ES)
M12	8116	2-9	1240	Fri	124 1 (R) 5210 52 33594 82965 34971 ... 52246 36712 24769 000 000	CW	(AB/ES)
M12	17417	2-9	1500	Fri	417 417 417 000	CW	(MPJ)
M12	16117	2-9	1520	Fri	417 417 417 000	CW	(MPJ/HFD)
M12	5945	2-9	1700	Fri	382 382 382 00000	CW	(AB)
M12	8176	3-9	0500	Sat	134 134 134 000	CW	(AB/ES)
M12	9376	3-9	0520	Sat	134 134 134 000	CW	(AB/ES)
M12	8053	3-9	0800	Sat	816 1 1055 53 63916 22245 75888 ... 58619 57517 92344 000 000	CW	(ES)
M12	13873	3-9	1310	Sat	834 834 834 000	CW	(AB/MPJ/HFD)
M12	13373	3-9	1330	Sat	834 834 834 000	CW	(AB/MPJ/HFD)
M12	5792	5-9	0430	Mon	796 796 796 000	CW	(AB/ES)
M12	6992	5-9	0450	Mon	796 796 796 000	CW	(AB/ES)
M12	14575	7-9	0710	Wed	504 504 504 000	CW	(ES)
M12	16075	7-9	0730	Wed	504 504 504 000	CW	(ES)
M12	8047	7-9	1900	Wed	463 1	CW	(HFD)
M12	6802	7-9	1920	Wed	463 1	CW	(HFD)
M12	5788	7-9	1940	Wed	463 1	CW	(HFD)
M12	6784	8-9	0630	Thu	761 761 761 000	CW	(ES)
M12	7684	8-9	0650	Thu	761 761 761 000	CW	(ES)
M12	8176	10-9	0500	Sat	134 1 1881 127 48120 29792 82268 ... 19803 32710 05972 000 000	CW	(ES)
M12	13873	10-9	1310	Sat	834 834 834 000	CW	(ES)
M12	13373	10-9	1330	Sat	834 834 834 000	CW	(ES)
M12	5892	12-9	0430	Mon	796 796 796 000	CW	(ES/HFD)
M12	6992	12-9	0450	Mon	796 796 796 000	CW	(ES/HFD)
M12	9176	12-9	1800	Mon	257 1	CW	(HFD)
M12	7931	12-9	1820	Mon	257 1	CW	(HFD)
M12	6904	12-9	1840	Mon	257 1	CW	(HFD)
M12	8053	13-9	0800	Tue	816 1 (R) 7404 67 95233 94779 82795 ... 97103 00107 70201 000 000	CW	(AB)
M12	9178	13-9	0820	Tue	816 1 (R) 7404 67 95233 94779 82795 ... 97103 00107 70201 000 000	CW	(AB)
M12	10287	13-9	0840	Tue	816 1 (R) 7404 67 95233 94779 82795 ... 97103 00107 70201 000 000	CW	(AB)
M12	14575	14-9	0710	Wed	504 504 504 000	CW	(ES)
M12	16075	14-9	0730	Wed	504 504 504 000	CW	(ES)
M12	16348	14-9	1400	Wed	384 1 1836 59 09562 34134 89304 ... 42634 00569 95746 000 000	CW	(ES)
M12	7684	15-9	0650	Thu	761 761 761 000	CW	(ES)
M12	6784	15-9	0830	Thu	761 761 761 000	CW	(ES)
M12	13873	15-9	1310	Thu	834 1 4658 133 57427 12742 69171 ... 24697 65963 48308 000 000	CW	(ES)
M12	10343	16-9	1200	Fri	124 1 (R) 2212 52 70305 56136 12656 ... 07642 69968 23638 000 000	CW	(AB/ES)
M12	9264	16-9	1220	Fri	124 1 (R) 2212 52 70305 56136 12656 ... 07642 69968 23638 000 000	CW	(AB/ES)

M12	8116	16-9	1240	Fri	124 1 (R) 2212 52 70305 56136 12656 ... 07642 69968 23638 000 000	CW	(AB/ES)
M12	8176	17-9	0500	Sat	134 134 134 000	CW	(AB/F5JBR/ES)
M12	9376	17-9	0520	Sat	134 134 134 000	CW	(AB/ES)
M12	13873	17-9	1310	Sat	834 1 4658 133 57427 12742 65963 48308 000 000	CW	(ES)
M12	13373	17-9	1330	Sat	834 1 4658 133 57427 12742 65963 48308 000 000	CW	(ES)
M12	11473	17-9	1350	Sat	834 1 4658 133 57427 12742 65963 48308 000 000	CW	(ES)
M12	5792	19-9	0430	Mon	796 796 796 000	CW	(AB/ES)
M12	6992	19-9	0450	Mon	796 796 796 000	CW	(AB/ES)
M12	8053	20-9	0800	Tue	816 816 816 1 9871 62 81732 84083 01969 09227 84082 ... 69368 000 000	CW	(F5JBR/ES)
M12	9178	20-9	0820	Tue	816 1 9871 62 81732 84083 02554 69368 000 000	CW	(ES)
M12	10287	20-9	0840	Tue	816 1 9871 62 81732 84083 02554 69368 000 000	CW	(ES)
M12	14575	21-9	0710	Wed	504 504 504 000	CW	(ES)
M12	16075	21-9	0730	Wed	504 504 504 000	CW	(ES)
M12	16348	21-9	1400	Wed	384 1 1410 81 53723 45260 19517 ... 69628 33364 45973 000 000	CW	(ES)
M12	6793	21-9	2100	Wed	785 1	CW	(HFD)
M12	11469	21-9	2110	Wed	441 0	CW	(HFD)
M12	5893	21-9	2120	Wed	785 1	CW	(HFD)
M12	10469	21-9	2130	Wed	441 0	CW	(HFD)
M12	4593	21-9	2140	Wed	785 1	CW	(HFD)
M12	6784	22-9	0630	Thu	761 761 761 000	CW	(ES)
M12	7684	22-9	0650	Thu	761 761 761 000	CW	(ES)
M12	13873	22-9	1310	Thu	834 834 834 000	CW	(ES)
M12	13373	22-9	1330	Thu	834 834 834 000	CW	(ES)
M12	10343	23-9	1200	Fri	124 1 6669 62 58403 56933 87608 ... 92736 20729 64709 000 000	CW	(ES)
M12	17417	23-9	1502	Fri	417 417 417 000	CW	(BvR)
M12	8176	24-9	0600	Sat	134 134 134 000	CW	(ES)
M12	9376	24-9	0620	Sat	134 134 134 000	CW	(ES)
M12	11469	24-9	2110	Sat	441 441 441 000	CW	(ES)
M12	10469	24-9	2130	Sat	441 441 441 000	CW	(ES)
M12	5792	26-9	0430	Mon	796 796 792 000	CW	(AB/ES)
M12	6992	26-9	0450	Mon	796 796 796 000	CW	(AB/ES)
M12	14848	26-9	1420	Mon	384 384 384 000	CW	(MPJ)
M12	9176	26-9	1800	Mon	257 1 2565 146 06554 66496 15019 17883 82328 ... 93531 27723 47247 10232 29484 000 000	CW	(MPJ)
M12	8047	26-9	1810	Mon	463 1 4149 126 62893 30338 54904 74967 16596 ... 51260 81247 91553 44132 80281 000 000	CW	(MPJ)
M12	7931	26-9	1820	Mon	257 1 2565 146 06554 66496 15019 17883 82328 ... 93531 27723 47247 10232 29484 000 000	CW	(MPJ)
M12	6802	26-9	1830	Mon	463 1 4149 126 62893 30338 54904 74967 16596 ... 51260 81247 91553 44132 80281 000 000	CW	(MPJ)
M12	6904	26-9	1840	Mon	257 1 2565 146 06554 66496 15019 17883 82328 ... 93531 27723 47247 10232 29484 000 000	CW	(MPJ)
M12	5788	26-9	1850	Mon	463 1 4149 126 62893 30338 54904 74967 16596 ... 51260 81247 91553 44132 80281 000 000	CW	(MPJ)
M12	8053	27-9	0800	Tue	816 1 3960 61 68723 91441 80803 ... 65430 11621 78403 000 000	CW	(AB/ES)
M12	9178	27-9	0820	Tue	816 1 3960 61 68723 91441 80803 ... 65430 11621 78403 000 000	CW	(AB/ES)
M12	10287	27-9	0840	Tue	816 1 3960 61 68723 91441 80803 ... 65430 11621 78403 000 000	CW	(AB/ES)
M12	4961	27-9	1204	Tue	732 732 732 000	CW	(F5JBR)
M12	9176	27-9	2000	Tue	257 1 3753 108 .9752 86509 00670 32592 88345 ... 63577 18049 84531 96677 62418 000 000	CW	(MPJ)
M12	14575	28-9	0710	Wed	504 504 504 000	CW	(ES)
M12	16075	28-9	0730	Wed	504 504 504 000	CW	(ES)
M12	16348	28-9	1400	Wed	384 384 384 000	CW	(ES/MPJ)
M12	14848	28-9	1420	Wed	384 384 384 000	CW	(AB/MPJ/ES)
M12	9176	28-9	1800	Wed	257 1 1991 136 27816 72425 14953 ... 40095 43736 02512 000 000	CW	(AB/MPJ)
M12	7931	28-9	1820	Wed	257 1 1991 136 27816 72425 14953 ... 40095 43736 02512 000 000	CW	(AB/MPJ)

M12	6904	28-9	1840	Wed	257 1 1991 136 27816 72425 14953 ... 40095 43736 02512 000 000	CW	(AB/MPJ)
M12	8047	28-9	1900	Wed	463 1 8720 140 89038 26705 14953 81068 74122 ... 00797 30561 25825 67780 83642 000 000	CW	(MPJ)
M12	6802	28-9	1920	Wed	463 1 8720 140 89038 26705 14953 81068 74122 ... 00797 30561 25825 67780 83642 000 000	CW	(MPJ)
M12	5788	28-9	1940	Wed	463 1 8720 140 89038 26705 14953 81068 74122 ... 00797 30561 25825 67780 83642 000 000	CW	(MPJ)
M12	6784	29-9	0630	Thu	761 761 761 000	CW	(AB)
M12	7684	29-9	0650	Thu	761 761 761 000	CW	(AB)
M12	13873	29-9	1310	Thu	834 834 834 000	CW	(MPJ)
M12	13373	29-9	1330	Thu	834 834 834 000	CW	(MPJ)
M12	11435	29-9	1800	Thu	938 1 5575 147 65714 59722 92524 54920 57535 ... 08610 66379 44622 72411 42677 000 000	CW	(MPJ)
M12	10598	29-9	1820	Thu	938 1 5575 147 65714 59722 92524 54920 57535 ... 08610 66379 44622 72411 42677 000 000	CW	(MPJ)
M12	9327	29-9	1840	Thu	938 1 5575 147 65714 59722 92524 54920 57535 ... 08610 66379 44622 72411 42677 000 000	CW	(MPJ)
M12	9176	29-9	1900	Thu	257 1 1795 116 31487 63770 99693 30348 39391 ... 11829 97499 39335 55248 46592 000 000	CW	(MPJ)
M12	7931	29-9	1920	Thu	257 1 1795 116 31487 63770 99693 30348 39391 ... 11829 97499 39335 55248 46592 000 000	CW	(MPJ)
M12	6904	29-9	1940	Thu	257 1 1795 116 31487 63770 99693 30348 39391 ... 11829 97499 39335 55248 46592 000 000	CW	(MPJ)
M12	8047	29-9	2000	Thu	463 1 3871 102 63791 74..0 .1082 ...81 5822. 83705 ... 71365 .7864 0196. 80008 07972 000 000	CW	(MPJ)
M12	10343	30-9	1200	Fri	124 1 (R) 5994 64 97117 61009 72268 ... 42036 45580 44193 000 000	CW	(AB)
M12	9264	30-9	1220	Fri	124 1 (R) 5994 64 97117 61009 72268 ... 42036 45580 44193 000 000	CW	(AB)
M12	8116	30-9	1240	Fri	124 1 (R) 5994 64 97117 61009 72268 ... 42036 45580 44193 000 000	CW	(AB)
M14	5944	2-9	1700	Fri	382 382 382 00000	CW	(MPJ)
M14	16347	10-9	0930	Sat	617 617 617 00000	CW	(ES)
M14	5931	13-9	1333	Tue	089 167 58 = = 29218 60548 60548 ... = 167 58 00000	CW	(F5JBR)
M14	5947	13-9	1820	Tue	346 518 86 = 32498	CW	(HFD)
M14	5463	14-9	1920	Wed	537 518 86 = 32498	CW	(HFD)
M14	5929	16-9	1700	Fri	382 382 382 00000	CW	(HFD)
M14	5477	16-9	1800	Fri	382 382 382 00000	CW	(AB/HFD)
M14	9075	20-9	1305	Tue	i.p. 44719 00307 33014 ... 68812 27235 == 612 57 00000	CW	(Benka/ES)
M14	5931	22-9	1340	Thu	i.p. 56880 44485 32882 80952 47859 = = 472 53 00000	CW	(F5JBR)
M14	5430	24-9	0800	Sat	171 490 91 52378 90126 42876 ... 73809 62841 32465 490 91 00000	CW	(AB)
M14	5560	24-9	0900	Sat	171 490 91 52378 90126 42876 ... 73809 62841 32465 490 91 00000	CW	(AB)
M14	16347	25-9	0930	Sun	617 617 617 00000	CW	(AB)
M14	9075	27-9	1300	Tue	089 537 61 = 49893 22658 37358 ... 87459 26288 73122 00000	CW	(ES)
M14	5954	27-9	1820	Tue	346 518 86 32498 53900 12865 21208 51810 ... 63490 82310 20943 57286 61220 518 86 00000	MCW	(MPJ)
M14	5463	28-9	1920	Wed	Carrier only till 1929z, then: 537 518 86 32498 53900 12865 ... 20943 57286 61220 518 86 00000	MCW	(MPJ)
M14	18041	29-9	0500	Thu	952 (R) 610 50 = 73620 08224 65192 27729 43550 36707 89585 98533 36590 ...	CW	(AB-J)
M14	18041	30-9	0500	Fri	952 738	CW	(AB-HK)
M21	3228.5	7-9	0245	Wed	=990547???0???? =990548???0???? =990550???0???? =990551???0???? =990552???0????	CW	(F5JBR)
M21	6427.5	8-9	0425	Thu	=9907027???0???? =9907028???0???? =9907029???0????	CW	(F5JBR)
M21	5201	8-9	1800	Thu	=992101???0???? =16504403045859 =16504403045859 =992103???0???? =992104???0???? =992105???0????	CW	(F5JBR)
M21	6231	9-9	0427	Fri	=990728???0???? =990729???0???? =990730???0???? =990731???0???? =990732???0????	CW	(F5JBR)
M21	4362	11-9	1730	Sun	=992030?8???? =992031?8???? =992032?8???? =992033?8????	CW	(F5JBR)

M21	6911.5	12-9	0538	Mon	=990839??8????? =990840??8????? =990841??8????? =990842??8?????	CW	(F5JBR)
M21	2658.5	14-9	1744	Wed	0097208335739 1002052511800	CW	(F5JBR)
M21	2738.5	14-9	1748	Wed	441929903 99069979882449 906997981446 9906997386748 990699738694 990699738 990552009907	CW	(F5JBR)
M21	6911.5	16-9	0930	Fri	=991232??8????? =991233??8????? =991234??8????? =991235??8????? =991236??8?????	CW	(F5JBR)
M21	4362	17-9	2317	Sat	=990217??8?????	CW	(JL-S)
M21	4628	18-9	1718	Sun	=992019??8????? =992020??8????? =992021??8????? =992022??8????? =9912023??8?????	CW	(F5JBR)
M21	5852	19-9	0718	Mon	9500 99758 3219 9500 997085520 1929500 1020 K	CW	(F5JBR)
M21	5851	21-9	0901	Wed	Russian Air Defense 951 995 52 4904 9512 99552 46 04 9526 99797 36 04 517 9	CW	(F5JBR)
M21	5852	21-9	0902	Wed	Russian Air Defense 9780 99634 53 12 00 9780 99694 33 04 9780 99694 34 04 9780 996 961605	CW	(F5JBR)
M21	4635.5	21-9	1309	Wed	Russian Air Defense 9933 996987510973699608651097349965151109735996 EEEE 733996987510 9736996086510 9734 9931 à 10 973699654 9910	CW	(F5JBR)
M21	4639.5	23-9	1428	Fri	=991728??0????? =991729??0????? =991730??0?????	CW	(F5JBR)
M21	2568.5	23-9	1712	Fri	007709 96983391 002 00	CW	(F5JBR)
M21	4336	27-9	0705	Tue	9500997087207 9500997088608 9500997088909	CW	(F5JBR)
M21	3536	29-9	1534	Thu	=991834??0????? =991835??0?????	CW	(JPL-Sib)
M21	3229	29-9	1832	Thu	=992133??0?????	CW	(JPL-Sib)
M32	10164	5-9	0638	Mon	XXX XXX N4IY N4IY 50222 20213 ANKILOZ 6084 6357 K	CW	(AB)
M32	7542	12-9	1554	Mon	XXX MFT5 09450 ITOGOLIST 5779 7197 K	CW	(F5JBR)
M32	7542	12-9	1555	Mon	XXX MFT5 96554 KAJLA 41801764 K	CW	(F5JBR)
M32	12688	12-9	1813	Mon	i.p. 007 POPEREGINA 4436 4506 K	CW	(JPL-Sib)
M32	12337	12-9	1818	Mon	XXX XXX 1QRF 1QRF 09768 SEJSMOLOG 6999 7670 XXX XXX 1QRF 1QRF 09768 SEJSMOLOG 6999 7670 K	CW	(JPL-Sib)
M32	4199	13-9	1243	Tue	XXX Y9AS 63507 RESTITUCI 7223 K	CW	(F5JBR)
M32	3831	14-9	0424	Wed	XXX 9A9I WARKYJ 823 K	CW	(F5JBR)
M32	3216	15-9	1733	Thu	XXX VUOZ VUOZ 54046 ZEMLEWED 4097 5573 K	CW	(F5JBR)
M32	3222.5	15-9	1743	Thu	XXX HHG2 07832 POZWOLENIE 8478 9644 K	CW	(F5JBR)
M32	14440	16-9	1207	Fri	XXX SX6V 80041 SHODOSNEG 0829 2045 K	CW	(F5JBR)
M32	2024	19-9	1657	Mon	XXX XR3N MOA4 77626 90457 WSKWOOENNYJ 1017 3367 WISOTOR 0325 0267 K	CW	(F5JBR)
M32	10535	22-9	1107	Thu	UUUU XXX XXX WEGI WEGI 56851 34697 SEMUVIJ 0603 1880 K	CW	(JPL-Sib)
M32	8714	22-9	1114	Thu	i.p. 9UC4 R 933 K. IAWQ R 933 K. 9FO1 R 933 K	CW	(JPL-Sib)
M32	7963	23-9	1330	Fri	7AA9 7AA9 DE ZR2Q ZR2Q K 5H K. SNHT SNHT SNHT DE ZR2Q ZR2Q K. N5FS N5FS N5FS DE ZR2Q ZR2Q K	CW	(TaVa)
M32	4627	24-9	0629	Sat	XXX PABA WARKYJ 823 K	CW	(F5JBR)
M32	4581.5	24-9	0631	Sat	XXX PABA WARKYJ 823 K	CW	(F5JBR)
M32	4809	24-9	0632	Sat	XXX PABA WARKYJ 823 K	CW	(F5JBR)
M32	4867.5	24-9	0633	Sat	XXX LH8W WARKYJ 823 K	CW	(F5JBR)
M32	11139	24-9	0719	Sat	XXX XXX RDL RDL 46938 02988 RANKOWYEM 1284 0493 K	CW	(AB)
M32a	5275	20-9	0524	Tue	RLD63 wkg RMP. QTC SML FOR RJD38 RIF4 = 20061 11908 44098 90201 10150 40148 56001 70012 84161 22200 00015 20000 30000 20014 = AR RLD63 K	CW	(F5JBR)
M32a	6827	21-9	0719	Wed	XXX RLO KADAPRIN K	CW	(F5JBR)
M32a	6827	21-9	0726	Wed	XXX RLO ELASTIONYJ 0113 3037 5089 1016 K	CW	(F5JBR)
M32a	7422	24-9	0710	Sat	XXX RLO 020783 L DOBUND 5135 1333 K	CW	(F5JBR)
M32a	7422	24-9	0711	Sat	XXX RLO 02988 PANKOWYEM 1284 0493 K	CW	(F5JBR)
M32a	3797	29-9	1531	Thu	DE RCV QTC 543 76 29 0400 543 = PROGNOZ POGODY S 1800 ...	CW	(JPL-Sib)
M32a	8348	30-9	2109	Fri	RG89 QSA? QTC K. RJS DE RG89 QSA? K. RJS DE RAL53 QSA? QTC K.	CW	(JPL-J)
M32b	8816	22-9	1415	Thu	rjf94 rjc38 de 42171 qto 1404 qrd XLMV XUMU qre 1620 qbd 14000 k	CW	(WP3)
M32b	8816	26-9	0815	Mon	rjf94 rjc38 de 10757 qto 0804 qrd XUDS XLMV qre 1120 qbd 16000 k	CW	(WP3)
M32c	8162	7-9	1801	Wed	Tu-95MS Bear H net NCS: NKG6 DE QZ6Y K	CW	(Tom)
M32c	9027	7-9	1801	Wed	Tu-95MS Bear H net NCS: QZ6Y DE NKG6 K	CW	(Tom)
M32c	8162	7-9	1820	Wed	Tu-95MS Bear H net: W Markers	CW	(Tom)

M32c	7746	20-9	1241	Tue	REA4: Russian Air Force 5FGs message i.p.	CW	(F5JBR)
M32c	8162	21-9	0340	Wed	W-markers: Tu-95MS Bear H net	CW	(Tom)
M32c	8162	22-9	0620	Thu	W-markers: Tu-95MS Bear H net	CW	(Tom)
M41	6362	7-9	0430	Wed	i.p. 5L9I 5L9I 5L9I AR	CW	(F5JBR)
M41	4317.5	17-9	1520	Sat	i.p. RPT 7221949503998595013...66 72180 1815 KA1S K	CW	(F5JBR)
M41	3383	17-9	1602	Sat	ASEU ASEU AR	CW	(F5JBR)
M41	5793.5	19-9	0629	Mon	RCUP (repeated)	CW	(F5JBR)
M41	5793.5	19-9	0656	Mon	RCUP 19499609989 2171657204 9848 RPT 19499609989217165720480948 RCUP AR	CW	(F5JBR)
M41	4635.5	19-9	1347	Mon	N9SA 72219 49503 99731 7116173180 1641RPT 7221 94950 39973 17116 173180 1641 N9SA K	CW	(F5JBR)
M41	5302.5	20-9	0503	Tue	009723993 98339100 0758511800 009721 99397599100 0058 511800 and N9SA 722194970099694991915200900800	CW	(F5JBR)
M41	6821.5	20-9	0929	Tue	i.p. 1772 4582 456 911 47 28 = 1772 4583 432 911 45 30 = 1772 4583 43691 152 32 =	CW	(F5JBR)
M41	5347	20-9	1318	Tue	i.p. 7221 949 704996 961322 881270 16 05 RPT 7221 949 704996 961322 881270 16 05 3HZW K	CW	(F5JBR)
M41	5276.5	20-9	1510	Tue	i.p. 7228 01755 = 722194 9717 996 31511917 42 50 1757 RPT 722194 971699 6 97112 87 22 80 1755 =	CW	(F5JBR)
M41	6821.5	21-9	0634	Wed	002900 4580 457 9110 33 = 2900 4582 438 91079 35 = 2900 4582 423 91088 37 = 2900 4582439 91079 38 = 2900 4592 92190 40 =	CW	(F5JBR)
M41	5302.5	22-9	1407	Thu	N9SA 7221 94979 49931 5716 1741 8017 05 RPT 7211 94979 49931 5716 1741 8017 05 K	CW	(F5JBR)
M41	4317.5	24-9	0913	Sat	i.p. 7221 949825 9969476 1287 1030 1205 RPT 7221 AR	CW	(F5JBR)
M41	5793.5	26-9	0432	Mon	RCUP RCUP AR	CW	(F5JBR)
M41	4959	26-9	0434	Mon	99 99993368232 RCUP RCUP 99019998534990 à RCUP RCUP	CW	(F5JBR)
M42	4755	8-9	1845	Thu	ROP wkg UDM 11100 13808 13794 08019 00503 and 11100 13808 13794 08020 00503	CW	(F5JBR)
M42	6916	12-9	1211	Mon	RYRYRYRYRYRY SNG-202 SNG-202 SNG-202 DE YPM-69 YPM-69 YPM-69 BK BK BK BK OM HR ZOK ZNN QRX TMW?K PSE QRX TMW?K TKS SK GB13	FSK 50/250	(EW)
M42	8124	12-9	1230	Mon	RYRYRYRYRYRY SNG-202 SNG-202 SNG-202 DE YPM-69 YPM-69 YPM-69 BK BK BK BK OM HR ZOK ZNN QRX TMW?K PSE QRX TMW?K TKS SK GB13	FSK 50/250	(EW)
M42	8151	12-9	1312	Mon	DE BZL26 then into random groups. Op chat in CW: RUF RKF ...	FSK 50/850	(EW)
M42	13370	22-9	1216	Thu	Russian diplo i.p.	CROWD-36	(ES)
M42	9300	22-9	1220	Thu	Russian diplo i.p.	CROWD-36	(ES)
M42	16011	22-9	1315	Thu	Russian diplo i.p.	CROWD-36	(ES)
M42	16156	23-9	1230	Fri	i.p.754 28008 50883 95971 ... 96431 85463 76235. Ends with QRU SK in Morse	FSK 75/500	(AB)
M42	5870	25-9	0753	Sun	RNI2 wkg RFY2 QRU NIL SK	CW	(F5JBR)
M42	10345	28-9	0807	Wed	Russian diplo i.p.	CROWD-36	(ES)
M42b	3371	3-9	1811	Sat	I1MS wkg 5UDA (Messages in FSK and op-chat in CW)	FSK 50/500	(F5JBR)
M42b	5351	6-9	1801	Tue	X9OY wkg 1 (Messages in FSK and op-chat in CW)	FSK 50/500	(F5JBR)
M42b	3191	7-9	0300	Wed	P8RK wkg ZE4K (Messages in FSK and op-chat in CW)	FSK 50/500	(F5JBR)
M42b	3191	7-9	0446	Wed	H7LD wkg DEPS (Messages in FSK and op-chat in CW)	FSK 50/500	(F5JBR)
M42b	5332	7-9	1347	Wed	MERG wkg GEXN (Messages in FSK and op-chat in CW)	FSK 50/500	(F5JBR)
M42b	5342	8-9	1807	Thu	ZE4K wkg P8RK (Messages in FSK and op-chat in CW)	FSK 50/500	(F5JBR)
M42b	3544	9-9	0335	Fri	ChYRP wkg RZVY (Messages in FSK and op-chat in CW)	FSK 50/500	(F5JBR)
M42b	6987	14-9	0458	Wed	UHK wkg RPK	CW	(F5JBR)
M42b	5361	14-9	1248	Wed	SGU7 wkg WS2T (Msgs in FSK, opchat in CW)	FSK 50/500	(F5JBR)
M42b	5371	14-9	1343	Wed	SGU7 wkg WS2T (Msgs in FSK, opchat in CW)	FSK 50/500	(F5JBR)
M42b	5376	14-9	1553	Wed	SGU7 wkg WS2T (Msgs in FSK, opchat in CW)	FSK 50/500	(F5JBR)
M42b	5280	15-9	1544	Thu	SGU7 wkg WS2T	FSK 50/500	(F5JBR)
M42b	6837	16-9	0532	Fri	SK8I wkg G3WM	FSK 50/500	(F5JBR)
M42b	6817	16-9	0538	Fri	SK8I wkg G3WM	FSK 50/500	(F5JBR)
M42b	5265	16-9	0937	Fri	GFUC wkg DYFP	FSK 50/500	(F5JBR)
M42b	6810	16-9	0937	Fri	FFNS wkg HDLS	FSK 50/500	(F5JBR)
M42b	5111	19-9	1440	Mon	P8RK wkg ZE4K (Msg in FSK 50/500, opchat in CW)	CW	(F5JBR)
M42b	4850	20-9	0521	Tue	EBCW wkg GX7N	CW	(F5JBR)
M42b	8319	20-9	0618	Tue	TBJU wkg FQED	CW	(F5JBR)
M42b	8299	20-9	0621	Tue	TBJU wkg FQED	CW	(F5JBR)

M42b	8306	20-9	0642	Tue	TBJU wkg FQED	CW	(F5JBR)
M42b	6771	20-9	0725	Tue	LKDW wkg PRAT	CW	(F5JBR)
M42b	5362	20-9	1337	Tue	EBCW wkg GX7N: 981 30 20 1338 FOR 31888 FM 34201 ...	CW	(F5JBR)
M42b	4790	20-9	1627	Tue	GX7N wkg EBCW: 148 25 20 1600 1234 = FOR 34200 FM 31888 ...	CW	(F5JBR)
M42b	4830	20-9	1720	Tue	EBCW wkg GX7N: 213 30 20 1443 FOR 31888 FM 34201 ...	CW	(F5JBR)
M42b	4850	21-9	0521	Wed	EBCW wkg GX7N	CW	(F5JBR)
M42b	4850	21-9	1345	Wed	EBCW wkg GX7N	CW	(F5JBR)
M42b	5767	21-9	1417	Wed	RAZK wkg COLH	CW	(F5JBR)
M42b	5766	21-9	1420	Wed	RYRYRY 923 60 8 0830 5674 !.)65220 !94 3125 !. 53125 !94 87228 =50= separator	FSK 50/500	(F5JBR)
M42b	4522	22-9	0701	Thu	OJNS wkg RAZK	CW	(F5JBR)
M42b	4542	22-9	0706	Thu	OJNS wkg RAZK	CW	(F5JBR)
M42b	5146	22-9	0856	Thu	OPNS wkg UMCO	CW	(F5JBR)
M42b	5166	22-9	0900	Thu	OPNS wkg UMCO	CW	(F5JBR)
M42b	4621	22-9	1841	Thu	TR8P wkg 1OVF	CW	(F5JBR)
M42b	5471	24-9	0551	Sat	UOZG wkd WDAK	CW	(F5JBR)
M42b	5376	25-9	0450	Sun	RJ8W wkg HGEB	CW	(F5JBR)
M42b	4857	25-9	0458	Sun	RJ8W wkg HGEB (messages in FSK 50/500)	CW	(F5JBR)
M42b	4361	26-9	0752	Mon	WS2T wkg SGU7 (messages in FSK 50/500)	CW	(F5JBR)
M42b	4371	26-9	0806	Mon	WS2T wkg SGU7 (messages in FSK 50/500)	CW	(F5JBR)
M42b	5861	26-9	0810	Mon	OPGC wkg DJRG (messages in FSK 50/500)	CW	(F5JBR)
M42b	4371	26-9	0907	Mon	WS2T wkg SGU7 (messages in FSK 50/500)	CW	(F5JBR)
M42b	4731	27-9	0711	Tue	K3FM clg LK2S	CW	(F5JBR)
M42b	4731	27-9	0808	Tue	K3FM wkg LK2S comms checks QRU SK	CW	(F5JBR)
M42b	4731	27-9	0814	Tue	K3FM clg LK2S	CW	(F5JBR)
M42b	4731	27-9	1231	Tue	K3FM wkg RK7T comms checks QRU SK	CW	(F5JBR)
M42b	5084	27-9	1302	Tue	GX7N wkg EBCW: 609 21 27 1307 1234 FOR 765530 + 5FGs	CW	(F5JBR)
M42b	5454	27-9	1403	Tue	K3FM wkg LK2S comms checks	CW	(F5JBR)
M42b	5344	27-9	1411	Tue	K3FM wkg LK2S: 138 20 27 1312 4321 FM 53874 + 5FGs	CW	(F5JBR)
M42b	5461	27-9	1421	Tue	WGK8 wkg 9GPW calling. QSY 93310 SK	CW	(F5JBR)
M42c	17441	3-9	1200	Sat	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/HFD)
M42c	15845	3-9	1210	Sat	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/HFD)
M42c	13506	3-9	1220	Sat	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/HFD)
M42c	13384	3-9	1810	Sat	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	11441	3-9	1820	Sat	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/MPJ)
M42c	9184	3-9	1830	Sat	Russian intel/diplo.)5761 00000+++++++162	FSK 200/500	(AB/Danix/MPJ)
M42c	13467	6-9	1840	Tue	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix/RL/H FD)
M42c	11084	6-9	1850	Tue	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix/RL/H FD)
M42c	9052	6-9	1900	Tue	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix/RL/H FD)
M42C	13382	9-9	1810	Fri	Russian diplo/intel	FSK 200/500	(HFD)
M42C	11439	9-9	1820	Fri	Russian diplo/intel	FSK 200/500	(HFD)
M42C	9182	9-9	1830	Fri	Russian diplo/intel	FSK 200/500	(HFD)
M42c	20618	9-9	2230	Fri	Russian diplo/intel. Link ID 00116, Date 9th, Serial #41, Groups 220	FSK 200/500	(Danix-USA)
M42c	18048	9-9	2240	Fri	Russian diplo/intel. Link ID 00116, Date 9th, Serial #41, Groups 220	FSK 200/500	(Danix-USA)
M42c	20618	9-9	2330	Fri	Russian diplo/intel. Link ID 00116, Date 9th, Serial #41, Groups 220	FSK 200/500	(Danix-USA)
M42c	18048	9-9	2340	Fri	Russian diplo/intel. Link ID 00116, Date 9th, Serial #41, Groups 220	FSK 200/500	(Danix-USA)
M42c	17441	10-9	1200	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(Danix)
M42c	15845	10-9	1210	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(Danix)
M42c	13506	10-9	1220	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(Danix)
M42c	13384	10-9	1810	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(Danix)
M42c	11441	10-9	1820	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(Danix)
M42c	9184	10-9	1840	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(Danix)
M42c	15672	12-9	0025	Mon	Russian diplo/intel. Link ID 00117, Date 9th, Serial #41, Groups 210	FSK 200/500	(Danix-USA)
M42c	13892	12-9	0035	Mon	Russian diplo/intel. Link ID 00117, Date 9th, Serial #41, Groups 210	FSK 200/500	(Danix-USA)

M42c	15672	12-9	0125	Mon	Russian diplo/intel. Link ID 00117, Date 9th, Serial #41, Groups 210	FSK 200/500	(Danix-USA)
M42c	13892	12-9	0135	Mon	Russian diplo/intel. Link ID 00117, Date 9th, Serial #41, Groups 210	FSK 200/500	(Danix-USA)
M42c	20618	16-9	2230	Fri	Russian diplo/intel. kHz 2230z 16/09 [Link ID 00116, Date 16th, Serial #42, Groups 195	FSK 200/500	(Danix-USA)
M42c	18048	16-9	2240	Fri	Russian diplo/intel. kHz 2230z 16/09 [Link ID 00116, Date 16th, Serial #42, Groups 195	FSK 200/500	(Danix-USA)
M42c	20618	16-9	2330	Fri	Russian diplo/intel. kHz 2230z 16/09 [Link ID 00116, Date 16th, Serial #42, Groups 195	FSK 200/500	(Danix-USA)
M42c	18048	16-9	2340	Fri	Russian diplo/intel. kHz 2230z 16/09 [Link ID 00116, Date 16th, Serial #42, Groups 195	FSK 200/500	(Danix-USA)
M42c	17441	17-9	1200	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	15845	17-9	1210	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	13506	17-9	1220	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	13384	17-9	1810	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	11441	17-9	1820	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	9184	17-9	1830	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	17441	24-9	1200	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	15845	24-9	1210	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	13506	24-9	1220	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	13384	24-9	1810	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	11441	24-9	1820	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	9184	24-9	1830	Sat	Russian diplo/intel.)5761 00000+++++++162	FSK 200/500	(AB/Danix)
M42c	20618	30-9	2230	Fri	Link ID 00116, Date 30th, Serial #44, Groups 196	FSK 200/500	(Danix-CAN)
M42c	18048	30-9	2240	Fri	Link ID 00116, Date 30th, Serial #44, Groups 196	FSK 200/500	(Danix-CAN)
M42d	16346	1-9	0600	Thu	Russian diplo/intel. Link ID 32816, Date 27th, Serial #81, Groups 232; Link ID 32817, Date 27th, Serial #82, Groups 218	FSK 200/250	(Danix)
M42d	14847	1-9	0610	Thu	Russian diplo/intel. Link ID 32816, Date 27th, Serial #81, Groups 232; Link ID 32817, Date 27th, Serial #82, Groups 218	FSK 200/250	(Danix)
M42d	12223	1-9	0620	Thu	Russian diplo/intel. Link ID 32816, Date 27th, Serial #81, Groups 232; Link ID 32817, Date 27th, Serial #82, Groups 218	FSK 200/250	(Danix)
M42d	15938	1-9	0800	Thu	Russian diplo/intel. Msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	13554	1-9	0810	Thu	Russian diplo/intel. Msg on link 45075	FSK 200/1000	(Danix)
M42d	11461	1-9	0820	Thu	Russian diplo/intel. Msg on link 45075. Wrong shift	FSK 200/250	(Danix)
M42d	14396	1-9	1330	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	12194	1-9	1340	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	10529	1-9	1350	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	16174	3-9	1100	Sat	Russian diplo/intel. Link ID 36882, Date 2nd, Serial #62, Groups 47	FSK 200/1000	(Danix)
M42d	14855	3-9	1110	Sat	Russian diplo/intel. Link ID 36882, Date 2nd, Serial #62, Groups 47	FSK 200/1000	(Danix)
M42d	12214	3-9	1120	Sat	Russian diplo/intel. Link ID 36882, Date 2nd, Serial #62, Groups 47	FSK 200/1000	(Danix)
M42d	15928	3-9	2100	Sat	Russian diplo/intel. Link ID 32821, Null message	FSK 200/1000	(Danix)
M42d	13396	3-9	2110	Sat	Russian diplo/intel. Link ID 32821, Null message	FSK 200/1000	(Danix)
M42d	11143	3-9	2120	Sat	Russian diplo/intel. Link ID 32821, Null message	FSK 200/1000	(Danix)
M42d	16174	4-9	1100	Sun	Russian diplo/intel. Link ID 36882, Date 2nd, Serial #62, Groups 47	FSK 200/1000	(AB/Danix)
M42d	14855	4-9	1110	Sun	Russian diplo/intel. Link ID 36882, Date 2nd, Serial #62, Groups 47	FSK 200/1000	(AB/Danix)
M42d	12214	4-9	1120	Sun	Russian diplo/intel. Link ID 36882, Date 2nd, Serial #62, Groups 47	FSK 200/1000	(AB/Danix)
M42d	16253	4-9	1530	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)

M42d	14387	4-9	1540	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	12075	4-9	1550	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	7923	5-9	0410	Mon	Russian diplo/intel. Link ID 45079, Null message	FSK 200/1000	(Danix)
M42d	6776	5-9	0420	Mon	Russian diplo/intel. Link ID 45079, Null message	FSK 200/1000	(Danix)
M42d	13836	6-9	1050	Tue	Russian diplo/intel. Link ID 20496, Date 5th, Serial #3, Groups 194	FSK 200/1000	(Danix)
M42d	15848	6-9	1650	Tue	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(AB/Danix)
M42d	13385	6-9	1700	Tue	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(AB/Danix)
M42d	11089	6-9	1710	Tue	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(AB/Danix)
M42d	11158	6-9	2300	Tue	Russian diplo/intel. Link ID 40988, Null message	FSK 200/1000	(AB/Danix)
M42d	9175	6-9	2310	Tue	Russian diplo/intel. Link ID 40988, Null message	FSK 200/1000	(AB/Danix)
M42d	7919	6-9	2320	Tue	Russian diplo/intel. Link ID 40988, Null message	FSK 200/1000	(AB/Danix)
M42d	15930	7-9	0600	Wed	Russian diplo/intel. Link ID 32817, Date 3rd, Serial #83, Groups 297	FSK 200/1000	(AB/Danix)
M42d	15930	7-9	0600	Wed	Russian diplo/intel. Link ID 32817, Date 3rd, Serial #83, Groups 297	FSK 200/1000	(Danix)
M42d	13503	7-9	0610	Wed	Russian diplo/intel. Link ID 32817, Date 3rd, Serial #83, Groups 297	FSK 200/1000	(Danix)
M42d	13503	7-9	0610	Wed	Russian diplo/intel. Link ID 32817, Date 3rd, Serial #83, Groups 297	FSK 200/1000	(AB/Danix)
M42d	11109	7-9	0620	Wed	Russian diplo/intel. Link ID 32817, Date 3rd, Serial #83, Groups 297	FSK 200/1000	(Danix)
M42d	11109	7-9	0620	Wed	Russian diplo/intel. Link ID 32817, Date 3rd, Serial #83, Groups 297	FSK 200/1000	(AB/Danix)
M42d	16324	7-9	0800	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	14616	7-9	0810	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	12188	7-9	0820	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	18517	7-9	1230	Wed	Russian diplo/intel. Null msg on link 53277	FSK 200/1000	(AB/Danix)
M42d	16309	7-9	1240	Wed	Russian diplo/intel. Null msg on link 53277	FSK 200/1000	(AB/Danix)
M42d	14464	7-9	1250	Wed	Russian diplo/intel. Null msg on link 53277	FSK 200/1000	(AB/Danix)
M42d	12184	7-9	2200	Wed	Russian diplo/intel. Link ID 49202, Null message	FSK 200/1000	(Danix)
M42d	10168	7-9	2210	Wed	Russian diplo/intel. Link ID 49202, Null message	FSK 200/1000	(Danix)
M42d	9286	7-9	2220	Wed	Russian diplo/intel. Link ID 49202, Null message	FSK 200/1000	(Danix)
M42d	14396	8-9	1330	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	12194	8-9	1340	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	10529	8-9	1350	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	13384	10-9	0800	Sat	Russian diplo/intel. Link ID 45114, Date 9th, Serial #39, Groups 99	FSK 200/1000	(Danix)
M42d	11463	10-9	0810	Sat	Russian diplo/intel. Link ID 45114, Date 9th, Serial #39, Groups 99	FSK 200/1000	(Danix)
M42d	9328	10-9	0820	Sat	Russian diplo/intel. Link ID 45114, Date 9th, Serial #39, Groups 99	FSK 200/1000	(Danix)
M42d	16341	10-9	0900	Sat	Russian diplo/intel. Link ID 45114, Date 9th, Serial #39, Groups 99 Link ID 45057, Date 9th, Serial #87, Groups 118	FSK 200/1000	(Danix)

M42d	14706	10-9	0910	Sat	Russian diplo/intel. Link ID 45114, Date 9th, Serial #39, Groups 99 Link ID 45057, Date 9th, Serial #87, Groups 118	FSK 200/1000	(Danix)
M42d	12217	10-9	0920	Sat	Russian diplo/intel. Link ID 45114, Date 9th, Serial #39, Groups 99 Link ID 45057, Date 9th, Serial #87, Groups 118	FSK 200/1000	(Danix)
M42d	16174	10-9	1100	Sat	Russian diplo/intel. Link ID 36882, Date 9th, Serial #63, Groups 60	FSK 200/1000	(Danix)
M42d	12214	10-9	1110	Sat	Russian diplo/intel. Link ID 36882, Date 9th, Serial #63, Groups 60	FSK 200/1000	(Danix)
M42d	14855	10-9	1110	Sat	Russian diplo/intel. Link ID 36882, Date 9th, Serial #63, Groups 60	FSK 200/1000	(Danix)
M42d	15928	10-9	2100	Sat	Russian diplo/intel. Link ID 32821, Date 8th, Serial #28, Groups 191	FSK 200/1000	(Danix)
M42d	11143	10-9	2110	Sat	Russian diplo/intel. Link ID 32821, Date 8th, Serial #28, Groups 191	FSK 200/1000	(Danix)
M42d	13396	10-9	2110	Sat	Russian diplo/intel. Link ID 32821, Date 8th, Serial #28, Groups 191	FSK 200/1000	(Danix)
M42d	13384	11-9	0800	Sun	Russian diplo/intel. Link ID 45114, Date 9th, Serial #39, Groups 99	FSK 200/1000	(Danix)
M42d	11463	11-9	0810	Sun	Russian diplo/intel. Link ID 45114, Date 9th, Serial #39, Groups 99	FSK 200/1000	(Danix)
M42d	9328	11-9	0820	Sun	Russian diplo/intel. Link ID 45114, Date 9th, Serial #39, Groups 99	FSK 200/1000	(Danix)
M42d	16341	11-9	0900	Sun	Russian diplo/intel. Link ID 45057, Date 9th, Serial #87, Groups 118	FSK 200/1000	(Danix)
M42d	14706	11-9	0910	Sun	Russian diplo/intel. Link ID 45057, Date 9th, Serial #87, Groups 118	FSK 200/1000	(Danix)
M42d	12217	11-9	0920	Sun	Russian diplo/intel. Link ID 45057, Date 9th, Serial #87, Groups 118	FSK 200/1000	(Danix)
M42d	16174	11-9	1100	Sun	Russian diplo/intel. Link ID 36882, Date 9th, Serial #63, Groups 60	FSK 200/1000	(Danix)
M42d	14855	11-9	1110	Sun	Russian diplo/intel. Link ID 36882, Date 9th, Serial #63, Groups 60	FSK 200/1000	(Danix)
M42d	12214	11-9	1120	Sun	Russian diplo/intel. Link ID 36882, Date 9th, Serial #63, Groups 60	FSK 200/1000	(Danix)
M42d	16253	11-9	1530	Sun	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(Danix)
M42d	14387	11-9	1540	Sun	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(Danix)
M42d	12075	11-9	1550	Sun	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(Danix)
M42d	15928	11-9	2100	Sun	Russian diplo/intel. Link ID 32821, Date 8th, Serial #28, Groups 191	FSK 200/1000	(Danix/RL)
M42d	13396	11-9	2110	Sun	Russian diplo/intel. Link ID 32821, Date 8th, Serial #28, Groups 191	FSK 200/1000	(Danix/RL)
M42d	11143	11-9	2120	Sun	Russian diplo/intel. Link ID 32821, Date 8th, Serial #28, Groups 191	FSK 200/1000	(Danix/RL)
M42d	9433	13-9	1200	Tue	Russian diplo/intel. Msg on link 28676	FSK 200/1000	(AB)
M42d	13389	13-9	1210	Tue	Russian diplo/intel. Msg on link 28676	FSK 200/1000	(AB)
M42d	16264	13-9	1220	Tue	Russian diplo/intel. Msg on link 28676	FSK 200/1000	(AB)
M42d	15848	13-9	1650	Tue	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(Danix)
M42d	13385	13-9	1700	Tue	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(Danix)
M42d	11089	13-9	1710	Tue	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(Danix)
M42d	11158	13-9	2300	Tue	Russian diplo/intel. Link ID 40988, Null message	FSK 200/1000	(Danix)
M42d	9175	13-9	2310	Tue	Russian diplo/intel. Link ID 40988, Null message	FSK 200/1000	(Danix)
M42d	7919	13-9	2320	Tue	Russian diplo/intel. Link ID 40988, Null message	FSK 200/1000	(Danix)

M42d	15930	14-9	0600	Wed	Russian diplo/intel. Link ID 32817, Date 10th, Serial #84, Groups 234; Link ID 32817, Date 10th, Serial #85, Groups 319	FSK 200/1000	(Danix)
M42d	13503	14-9	0610	Wed	Russian diplo/intel. Link ID 32817, Date 10th, Serial #84, Groups 234; Link ID 32817, Date 10th, Serial #85, Groups 319	FSK 200/1000	(Danix)
M42d	11109	14-9	0620	Wed	Russian diplo/intel. Link ID 32817, Date 10th, Serial #84, Groups 234; Link ID 32817, Date 10th, Serial #85, Groups 319	FSK 200/1000	(Danix)
M42d	16324	14-9	0800	Wed	Russian diplo/intel. Link ID 45075, Null message	FSK 200/1000	(Danix)
M42d	18178	14-9	0800	Wed	Russian diplo/intel. Link ID 16404, Date 13th, Serial #4, Groups 77	FSK 200/1000	(Danix)
M42d	14616	14-9	0810	Wed	Russian diplo/intel. Link ID 45075, Null message	FSK 200/1000	(Danix)
M42d	15613	14-9	0810	Wed	Russian diplo/intel. Link ID 16404, Date 13th, Serial #4, Groups 77	FSK 200/1000	(Danix)
M42d	12188	14-9	0820	Wed	Russian diplo/intel. Link ID 45075, Null message	FSK 200/1000	(Danix)
M42d	13459	14-9	0820	Wed	Russian diplo/intel. Link ID 16404, Date 13th, Serial #4, Groups 77	FSK 200/1000	(Danix)
M42d	16146	14-9	0915	Wed	Russian diplo/intel. Link ID 20492, Null message	FSK 200/1000	(Danix)
M42d	13385	14-9	0925	Wed	Russian diplo/intel. Link ID 20492, Null message	FSK 200/1000	(Danix)
M42d	11434	14-9	0935	Wed	Russian diplo/intel. Link ID 20492, Null message	FSK 200/1000	(Danix)
M42d	12184	14-9	2200	Wed	Russian diplo/intel. Link ID 49202, Null message	FSK 200/1000	(Danix)
M42d	10168	14-9	2210	Wed	Russian diplo/intel. Link ID 49202, Null message	FSK 200/1000	(Danix)
M42d	9286	14-9	2220	Wed	Russian diplo/intel. Link ID 49202, Null message	FSK 200/1000	(Danix)
M42d	15930	15-9	0600	Thu	Russian diplo/intel. Link ID 32817, Date 10th, Serial #84, Groups 234; Link ID 32817, Date 10th, Serial #85, Groups 319	FSK 200/1000	(Danix)
M42d	13503	15-9	0610	Thu	Russian diplo/intel. Link ID 32817, Date 10th, Serial #84, Groups 234; Link ID 32817, Date 10th, Serial #85, Groups 319	FSK 200/1000	(Danix)
M42d	11109	15-9	0620	Thu	Russian diplo/intel. Link ID 32817, Date 10th, Serial #84, Groups 234; Link ID 32817, Date 10th, Serial #85, Groups 319	FSK 200/1000	(Danix)
M42d	18178	15-9	0800	Thu	Russian diplo/intel. Link ID 16404, Date 13th, Serial #4, Groups 77	FSK 200/1000	(Danix)
M42d	15613	15-9	0810	Thu	Russian diplo/intel. Link ID 16404, Date 13th, Serial #4, Groups 77	FSK 200/1000	(Danix)
M42d	13459	15-9	0820	Thu	Russian diplo/intel. Link ID 16404, Date 13th, Serial #4, Groups 77	FSK 200/1000	(Danix)
M42d	14396	15-9	1330	Thu	Russian diplo/intel. Link ID 49237, Null message] Danix THU	FSK 200/1000	(Danix)
M42d	12194	15-9	1340	Thu	Russian diplo/intel. Link ID 49237, Null message] Danix THU	FSK 200/1000	(Danix)
M42d	10529	15-9	1350	Thu	Russian diplo/intel. Link ID 49237, Null message] Danix THU	FSK 200/1000	(Danix)
M42d	16174	17-9	1100	Sat	Russian diplo/intel. Link ID 36882, Date 16th, Serial #64, Groups 204	FSK 200/1000	(AB/Danix)
M42d	14855	17-9	1110	Sat	Russian diplo/intel. Link ID 36882, Date 16th, Serial #64, Groups 204	FSK 200/1000	(AB/Danix)
M42d	12214	17-9	1120	Sat	Russian diplo/intel. Link ID 36882, Date 16th, Serial #64, Groups 204	FSK 200/1000	(AB/Danix)
M42d	15928	17-9	2100	Sat	Russian diplo/intel. Link ID 32821, Date 16th, Serial #29, Groups 121	FSK 200/1000	(AB/Danix)
M42d	13396	17-9	2110	Sat	Russian diplo/intel. Link ID 32821, Date 16th, Serial #29, Groups 121	FSK 200/1000	(AB/Danix)
M42d	11143	17-9	2120	Sat	Russian diplo/intel. Link ID 32821, Date 16th, Serial #29, Groups 121	FSK 200/1000	(AB/Danix)

M42d	16174	18-9	1100	Sun	Russian diplo/intel. Link ID 36882, Date 16th, Serial #64, Groups 204	FSK 200/1000	(AB/Danix)
M42d	14855	18-9	1110	Sun	Russian diplo/intel. Link ID 36882, Date 16th, Serial #64, Groups 204	FSK 200/1000	(AB/Danix)
M42d	12214	18-9	1120	Sun	Russian diplo/intel. Link ID 36882, Date 16th, Serial #64, Groups 204	FSK 200/1000	(AB/Danix)
M42d	16253	18-9	1530	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	14387	18-9	1540	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	12075	18-9	1550	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	15928	18-9	2100	Sun	Russian diplo/intel. Link ID 32821, Date 16th, Serial #29, Groups 121	FSK 200/1000	(AB/Danix)
M42d	13396	18-9	2110	Sun	Russian diplo/intel. Link ID 32821, Date 16th, Serial #29, Groups 121	FSK 200/1000	(AB/Danix)
M42d	11143	18-9	2120	Sun	Russian diplo/intel. Link ID 32821, Date 16th, Serial #29, Groups 121	FSK 200/1000	(AB/Danix)
M42d	7923	19-9	0410	Mon	Russian diplo/intel. Link ID 45079, Date 13th, Serial #16, Groups 434	FSK 200/1000	(AB/Danix)
M42d	6776	19-9	0420	Mon	Russian diplo/intel. Link ID 45079, Date 13th, Serial #16, Groups 434	FSK 200/1000	(AB/Danix)
M42d	15848	20-9	1650	Tue	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(AB/Danix)
M42d	13385	20-9	1700	Tue	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(AB/Danix)
M42d	11089	20-9	1710	Tue	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(AB/Danix)
M42d	11158	20-9	2300	Tue	Russian diplo/intel. Link ID 40988, Null message	FSK 200/1000	(AB/Danix)
M42d	9175	20-9	2310	Tue	Russian diplo/intel. Link ID 40988, Null message	FSK 200/1000	(AB/Danix)
M42d	7919	20-9	2320	Tue	Russian diplo/intel. Link ID 40988, Null message	FSK 200/1000	(AB/Danix)
M42d	15930	21-9	0600	Wed	Russian diplo/intel. Null msg on link 32816	FSK 200/1000	(AB/Danix)
M42d	13503	21-9	0610	Wed	Russian diplo/intel. Null msg on link 32816	FSK 200/1000	(AB/Danix)
M42d	11109	21-9	0620	Wed	Russian diplo/intel. Null msg on link 32816	FSK 200/1000	(AB/Danix)
M42d	16324	21-9	0800	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	14616	21-9	0810	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	12188	21-9	0820	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	18517	21-9	1230	Wed	Russian diplo/intel. Null msg on link 53277	FSK 200/1000	(AB/Danix)
M42d	16309	21-9	1240	Wed	Russian diplo/intel. Null msg on link 53277	FSK 200/1000	(AB/Danix)
M42d	14464	21-9	1250	Wed	Russian diplo/intel. Null msg on link 53277	FSK 200/1000	(AB/Danix)
M42d	10161	21-9	2120	Wed	Russian diplo/intel. Link ID 45079, Date 13th, Serial #16, Groups 434	FSK 200/1000	(Danix)
M42d	8184	21-9	2130	Wed	Russian diplo/intel. Link ID 45079, Date 13th, Serial #16, Groups 434	FSK 200/1000	(Danix)
M42d	12184	21-9	2200	Wed	Russian diplo/intel. Link ID 49202, Null message	FSK 200/1000	(AB/Danix)
M42d	10168	21-9	2210	Wed	Russian diplo/intel. Link ID 49202, Null message	FSK 200/1000	(AB/Danix)
M42d	9286	21-9	2220	Wed	Russian diplo/intel. Link ID 49202, Null message	FSK 200/1000	(AB/Danix)
M42d	14396	22-9	1330	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	12194	22-9	1340	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)

M42d	10529	22-9	1350	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	13384	24-9	0800	Sat	Russian diplo/intel. Link ID 45114, Date 23rd, Serial #40, Groups 228	FSK 200/1000	(AB/Danix)
M42d	11463	24-9	0810	Sat	Russian diplo/intel. Link ID 45114, Date 23rd, Serial #40, Groups 228	FSK 200/1000	(AB/Danix)
M42d	9328	24-9	0820	Sat	Russian diplo/intel. Link ID 45114, Date 23rd, Serial #40, Groups 228	FSK 200/1000	(AB/Danix)
M42d	16341	24-9	0900	Sat	Russian diplo/intel. Link ID 45057, Date 9th, Serial #87, Groups 118	FSK 200/1000	(AB/Danix)
M42d	14706	24-9	0910	Sat	Russian diplo/intel. Link ID 45057, Date 9th, Serial #87, Groups 118	FSK 200/1000	(AB/Danix)
M42d	12217	24-9	0920	Sat	Russian diplo/intel. Link ID 45057, Date 9th, Serial #87, Groups 118	FSK 200/1000	(AB/Danix)
M42d	16174	24-9	1100	Sat	Russian diplo/intel. Link ID 36882, Date 23rd, Serial #65, Groups 125	FSK 200/1000	(AB/Danix)
M42d	14855	24-9	1110	Sat	Russian diplo/intel. Link ID 36882, Date 23rd, Serial #65, Groups 125	FSK 200/1000	(AB/Danix)
M42d	12214	24-9	1120	Sat	Russian diplo/intel. Link ID 36882, Date 23rd, Serial #65, Groups 125	FSK 200/1000	(AB/Danix)
M42d	15928	24-9	2100	Sat	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	13396	24-9	2110	Sat	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	11143	24-9	2120	Sat	Russian diplo/intel. Null msg on link 32821	FSK 200/1000	(AB/Danix)
M42d	13384	25-9	0800	Sun	Russian diplo/intel. Link ID 45114, Date 23rd, Serial #40, Groups 228	FSK 200/1000	(AB/Danix)
M42d	11463	25-9	0810	Sun	Russian diplo/intel. Link ID 45114, Date 23rd, Serial #40, Groups 228	FSK 200/1000	(AB/Danix)
M42d	9328	25-9	0820	Sun	Russian diplo/intel. Link ID 45114, Date 23rd, Serial #40, Groups 228	FSK 200/1000	(AB/Danix)
M42d	16341	25-9	0900	Sun	Russian diplo/intel. Link ID 45057, Date 9th, Serial #87, Groups 118	FSK 200/1000	(AB/Danix)
M42d	14706	25-9	0910	Sun	Russian diplo/intel. Link ID 45057, Date 9th, Serial #87, Groups 118	FSK 200/1000	(AB/Danix)
M42d	12217	25-9	0920	Sun	Russian diplo/intel. Link ID 45057, Date 9th, Serial #87, Groups 118	FSK 200/1000	(AB/Danix)
M42d	16174	25-9	1100	Sun	Russian diplo/intel. Link ID 36882, Date 23rd, Serial #65, Groups 125	FSK 200/1000	(AB/Danix)
M42d	14855	25-9	1110	Sun	Russian diplo/intel. Link ID 36882, Date 23rd, Serial #65, Groups 125	FSK 200/1000	(AB/Danix)
M42d	12214	25-9	1120	Sun	Russian diplo/intel. Link ID 36882, Date 23rd, Serial #65, Groups 125	FSK 200/1000	(AB/Danix)
M42d	16253	25-9	1530	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	14387	25-9	1540	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	12075	25-9	1550	Sun	Russian diplo/intel. Null msg on link 20501	FSK 200/1000	(AB/Danix)
M42d	15848	27-9	1650	Tue	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(AB/Danix/MPJ)
M42d	13385	27-9	1700	Tue	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(AB/Danix/MPJ)
M42d	11089	27-9	1710	Tue	Russian diplo/intel. Link ID 20501, Null message	FSK 200/1000	(AB/Danix/MPJ)
M42d	11158	27-9	2300	Tue	Russian diplo/intel. Link ID 40988, Null message	FSK 200/1000	(Danix)
M42d	9175	27-9	2310	Tue	Russian diplo/intel. Link ID 40988, Null message	FSK 200/1000	(Danix)
M42d	7919	27-9	2320	Tue	Russian diplo/intel. Link ID 40988, Null message	FSK 200/1000	(Danix)
M42d	15930	28-9	0600	Wed	Russian diplo/intel. Link ID 32817, Date 24th, Serial #86, Groups 359	FSK 200/1000	(Danix)
M42d	13503	28-9	0610	Wed	Russian diplo/intel. Link ID 32817, Date 24th, Serial #86, Groups 359	FSK 200/1000	(Danix)

M42d	11109	28-9	0620	Wed	Russian diplo/intel. Link ID 32817, Date 24th, Serial #86, Groups 359	FSK 200/1000	(Danix)
M42d	16324	28-9	0800	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	18178	28-9	0800	Wed	Russian diplo/intel. Link ID 16404, Date 13th, Serial #4, Groups 77	FSK 200/1000	(AB/Danix)
M42d	14616	28-9	0810	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	15613	28-9	0810	Wed	Russian diplo/intel. Link ID 16404, Date 13th, Serial #4, Groups 77	FSK 200/1000	(AB/Danix)
M42d	12188	28-9	0820	Wed	Russian diplo/intel. Null msg on link 45075	FSK 200/1000	(AB/Danix)
M42d	13459	28-9	0820	Wed	Russian diplo/intel. Link ID 16404, Date 13th, Serial #4, Groups 77	FSK 200/1000	(AB/Danix)
M42d	16146	28-9	0915	Wed	Russian diplo/intel. Null msg on link ID 20492	FSK 200/1000	(AB/Danix)
M42d	13385	28-9	0925	Wed	Russian diplo/intel. Null msg on link ID 20492	FSK 200/1000	(AB/Danix)
M42d	11434	28-9	0935	Wed	Russian diplo/intel. Null msg on link ID 20492	FSK 200/1000	(AB/Danix)
M42d	12184	28-9	2200	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(AB/Danix)
M42d	10168	28-9	2210	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(AB/Danix)
M42d	9286	28-9	2220	Wed	Russian diplo/intel. Null msg on link 49202	FSK 200/1000	(AB/Danix/RL)
M42d	15930	29-9	0600	Thu	Russian diplo/intel. Link ID 32817, Date 24th, Serial #86, Groups 359	FSK 200/1000	(Danix)
M42d	13503	29-9	0610	Thu	Russian diplo/intel. Link ID 32817, Date 24th, Serial #86, Groups 359	FSK 200/1000	(Danix)
M42d	11109	29-9	0620	Thu	Russian diplo/intel. Link ID 32817, Date 24th, Serial #86, Groups 359	FSK 200/1000	(Danix)
M42d	18178	29-9	0800	Thu	Russian diplo/intel. Link ID 16404, Date 13th, Serial #4, Groups 77	FSK 200/1000	(AB/Danix)
M42d	15613	29-9	0810	Thu	Russian diplo/intel. Link ID 16404, Date 13th, Serial #4, Groups 77	FSK 200/1000	(AB/Danix)
M42d	13459	29-9	0820	Thu	Russian diplo/intel. Link ID 16404, Date 13th, Serial #4, Groups 77	FSK 200/1000	(AB/Danix)
M42d	14396	29-9	1330	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	12194	29-9	1340	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M42d	10529	29-9	1350	Thu	Russian diplo/intel. Null msg on link 49237	FSK 200/1000	(AB/Danix)
M51a	3881	22-9	0458	Thu	FAV22: Encrypted messages on 3881//5929//6825 kHz	CW	(F5JBR)
M51a	5929	22-9	0458	Thu	FAV22: Encrypted messages on 3881//5929//6825 kHz	CW	(F5JBR)
M51a	6825	22-9	0458	Thu	FAV22: Encrypted messages on 3881//5929//6825 kHz	CW	(F5JBR)
M89	6840	1-9	0120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	1-9	0120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	1-9	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	1-9	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	4532	1-9	1224	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3330	1-9	1518	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	1-9	1519	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4860	1-9	1520	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	1-9	1520	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4131	1-9	1522	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4532	1-9	1524	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	4720	1-9	1530	Thu	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	3330	1-9	1727	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	1-9	1728	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	4532	1-9	1729	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	4720	1-9	1730	Thu	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	6793	2-9	1108	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	6775	2-9	1109	Fri	i.p. A7T. A4TD 4U76 AR AR R AGN 21W = ... 36..	CW	(JPL)
M89	3777	2-9	1125	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)

M89	4532	2-9	1125	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	5588	2-9	1128	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	6840	2-9	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	2-9	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3330	2-9	1456	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	2-9	1457	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	2-9	1458	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	2-9	1458	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3330	2-9	1719	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	4860	2-9	1720	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	2-9	1720	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	3642	2-9	1722	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	2-9	1723	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4720	2-9	1730	Fri	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	4532	2-9	1743	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	6840	3-9	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	3-9	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	4532	3-9	1222	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3330	3-9	1506	Sat	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3777	3-9	1507	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	3-9	1507	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4860	3-9	1620	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	3-9	1620	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4720	3-9	1630	Sat	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	3642	3-9	1912	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6840	7-9	0020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	7-9	0020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	10180	7-9	0027	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	5801	7-9	0032	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	7-9	0032	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6825	7-9	1006	Wed	N4FM5 (X3) DE DUT491 (X2) V HR NIL SK GB (x8)	CW	(JPL)
M89	5801	7-9	1014	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	7-9	1014	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	10180	7-9	1019	Wed	3ATD i.p. CCK CK .99 21 0907 1810 RMKS 2093 TO 2220 2221 2217 2219 ... = //5801	CW	(JPL)
M89	3330	7-9	2041	Wed	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	7-9	2043	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	7-9	2043	Wed	V DKG6 (x3) DE 3A7D (x2) //36422	CW	(JPL)
M89	3777	7-9	2045	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	7-9	2045	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	6840	8-9	0020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	8-9	0020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	8060	8-9	0027	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3642	8-9	0032	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	8-9	0032	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	5801	8-9	0437	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	8-9	0437	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	10180	8-9	1111	Thu	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6793	8-9	1112	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	8-9	1112	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	3330	8-9	1716	Thu	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	8-9	1717	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	8-9	1717	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	8-9	1718	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	8-9	1718	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4860	8-9	1720	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	8-9	1720	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4720	8-9	1730	Thu	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	6636	9-9	1306	Fri	i.p. AS = BT 7U.5 D734 5A3D N4.7 D4A. NA.D U7T5 ...	CW	(JPL)
M89	4860	9-9	1520	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	9-9	1520	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	3330	9-9	1526	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	9-9	1527	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	9-9	1527	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	9-9	1528	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	9-9	1528	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)

M89	4720	9-9	1530	Fri	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	7602	9-9	1621	Fri	DKG6 de 3A7D V	CW	(F5JBR)
M89	3330	9-9	1857	Fri	V MW3D (x3) DE 2SLC (x2)	CW	(JPL)
M89	3642	9-9	1858	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	9-9	1858	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	9-9	1859	Fri	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	9-9	1859	Fri	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4860	9-9	1920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	9-9	1920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	6840	10-9	0020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	10-9	0020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	5801	10-9	1013	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	10-9	1013	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6793	10-9	1019	Sat	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	10-9	1019	Sat	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	5801	10-9	2048	Sat	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6793	11-9	1045	Sun	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	11-9	1045	Sun	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	10180	11-9	1047	Sun	V DKG6 (x3) DE 3A7D (x2) //N/H	CW	(JPL)
M89	8888	11-9	1048	Sun	i.p. U47T U5DU 5UT6 7A53 TSU6 UA7U ... AR OB = 5T75 M	CW	(JPL)
M89	5801	11-9	1102	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	11-9	1102	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3777	11-9	1210	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	11-9	1210	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3642	11-9	1345	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	11-9	1345	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	11-9	1347	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	11-9	1347	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	5177	11-9	1348	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3777	11-9	1403	Sun	CQ (x3) DE DP4091 (x2) V NIL SK GB //4832	CW	(JPL)
M89	4832	11-9	1403	Sun	CQ (x3) DE DP4091 (x2) V NIL SK GB //3777	CW	(JPL)
M89	4860	11-9	1620	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	11-9	1620	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4720	11-9	1630	Sun	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	3777	11-9	2029	Sun	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	11-9	2029	Sun	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4720	11-9	2030	Sun	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	5801	12-9	0818	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	12-9	0818	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6840	12-9	0820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	12-9	0820	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6636	12-9	0832	Mon	i.p. 5534 543N 5UN7 65.. 3TNN 3T47 374A ... WWW	CW	(JPL)
M89	6636	12-9	0832	Mon	DP91 DE DP2191 CA K	CW	(JPL)
M89	6793	12-9	1217	Mon	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	12-9	1217	Mon	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	5801	12-9	1218	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	12-9	1218	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6840	12-9	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	12-9	1220	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3642	12-9	1736	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	12-9	1736	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	12-9	1737	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	12-9	1737	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4131	12-9	1738	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4532	12-9	1839	Mon	M8JF de RIS9 V	CW	(F5JBR)
M89	5801	13-9	1006	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	13-9	1006	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6793	13-9	1010	Tue	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	13-9	1010	Tue	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6840	13-9	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	13-9	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6793	13-9	1122	Tue	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	13-9	1122	Tue	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6840	13-9	1220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	13-9	1220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3777	13-9	1306	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)

M89	4532	13-9	1306	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3642	13-9	1604	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	13-9	1604	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	13-9	1605	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	13-9	1606	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3642	13-9	1635	Tue	DKG6 de 3A7D V	CW	(F5JBR)
M89	3777	13-9	1647	Tue	M8JF de RIS9 V	CW	(F5JBR)
M89	4860	13-9	1920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	13-9	1920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	3642	13-9	1925	Tue	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	13-9	1925	Tue	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	13-9	1926	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	13-9	1926	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4720	13-9	1930	Tue	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	4720	13-9	2230	Tue	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	4532	13-9	2234	Tue	V M8JF (x3) DE RIS9 (x2) //6793 and 8060	CW	(JPL)
M89	6793	13-9	2234	Tue	V M8JF (x3) DE RIS9 (x2) //4532 and 8060	CW	(JPL)
M89	8060	13-9	2234	Tue	V M8JF (x3) DE RIS9 (x2) //4532 and 6793	CW	(JPL)
M89	6840	13-9	2320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	13-9	2320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	10180	14-9	1057	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6793	14-9	1058	Wed	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	14-9	1058	Wed	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	5801	14-9	1102	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	14-9	1102	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	7602	14-9	1751	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	14-9	1752	Wed	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	14-9	1752	Wed	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4720	14-9	1930	Wed	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	10180	16-9	1010	Fri	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	6793	16-9	1012	Fri	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	16-9	1012	Fri	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	5801	16-9	1017	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	16-9	1017	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3642	16-9	1406	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	16-9	1406	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4832	16-9	1408	Fri	DP4091 (x3) DE CQ (x2) V HR ALL ALL TO ...	CW	(JPL)
M89	4860	16-9	1420	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	16-9	1420	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	4860	16-9	2220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	6825	17-9	1006	Sat	DP91 (x3) DE CQ (x2) V HR NIL SK GB (x3)	CW	(JPL)
M89	5801	17-9	1011	Sat	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	17-9	1011	Sat	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3777	17-9	2019	Sat	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	17-9	2019	Sat	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4860	17-9	2020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	6840	18-9	0020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	18-9	0020	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3642	18-9	0037	Sun	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	8060	18-9	1012	Sun	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	5801	18-9	1014	Sun	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	18-9	1014	Sun	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6840	18-9	1120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	18-9	1120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6793	18-9	1125	Sun	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	5177	18-9	1308	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3777	18-9	1311	Sun	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3642	18-9	1313	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	18-9	1313	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3642	18-9	2209	Sun	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	18-9	2209	Sun	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4860	18-9	2220	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	5801	19-9	0802	Mon	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	19-9	0802	Mon	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3642	19-9	1929	Mon	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	19-9	1929	Mon	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)

M89	4720	19-9	1930	Mon	VVV WNF (x3) DE FXM (x2) QSA ? QSV K	CW	(JPL)
M89	3777	19-9	1932	Mon	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	19-9	1932	Mon	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3777	20-9	1205	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	20-9	1205	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	5177	20-9	1216	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	5801	20-9	1217	Tue	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	20-9	1217	Tue	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6840	20-9	1220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	10640	20-9	1220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	7602	20-9	1441	Tue	DKG6 de 3A7D V	CW	(F5JBR)
M89	3642	20-9	1644	Tue	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	20-9	1646	Tue	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	20-9	1646	Tue	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	6840	22-9	0020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	22-9	0020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	5801	22-9	1101	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	22-9	1101	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6793	22-9	1103	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	22-9	1103	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	3642	22-9	1952	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7642	22-9	1952	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	22-9	1954	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	22-9	1954	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	4860	22-9	2020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	6840	22-9	2020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //4860	CW	(JPL)
M89	6840	27-9	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	27-9	1120	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3642	28-9	0013	Wed	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	28-9	0013	Wed	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	6840	28-9	0820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	28-9	0820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	8060	28-9	0827	Wed	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	5801	28-9	0831	Wed	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	28-9	0831	Wed	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3642	28-9	1743	Wed	V DKG6 (x3) DE 3A7D (x2)	CW	(JPL)
M89	3777	28-9	1745	Wed	V M8JF (x3) DE RIS9 (x2) //4532 and 6793	CW	(JPL)
M89	4532	28-9	1745	Wed	V M8JF (x3) DE RIS9 (x2) //3777 and 6793	CW	(JPL)
M89	6793	28-9	1745	Wed	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	6793	28-9	2328	Wed	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	6793	29-9	0027	Thu	V M8JF (x3) DE RIS9 (x2) //8060	CW	(JPL)
M89	8060	29-9	0027	Thu	V M8JF (x3) DE RIS9 (x2) //6793	CW	(JPL)
M89	6840	29-9	0820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	29-9	0820	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	5801	29-9	0828	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	29-9	0828	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	6792	29-9	0831	Thu	i.p. R HR KPU K VV CK1Y DE J5UX K (see N&O 228)	CW	(JPL)
M89	5801	29-9	1308	Thu	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	29-9	1308	Thu	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3777	29-9	1319	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3642	29-9	1456	Thu	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	29-9	1456	Thu	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	3777	29-9	1457	Thu	V M8JF (x3) DE RIS9 (x2) //4532	CW	(JPL)
M89	4532	29-9	1457	Thu	V M8JF (x3) DE RIS9 (x2) //3777	CW	(JPL)
M89	3187	29-9	1519	Thu	i.p. 5.TU 7... UU6.	CW	(JPL)
M89	3642	29-9	1840	Thu	V DKG6 DE 3A7D HR MSG GA 7G NR 1.9/EX CK 99 19 0930 0240 RMKS 2094 TO 2013 2948 2019 2963 2962 =	CW	(JPL)
M89	6840	30-9	0820	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //10640	CW	(JPL)
M89	10640	30-9	0820	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K //6840	CW	(JPL)
M89	3777	30-9	1039	Fri	V M8JF (x3) DE RIS9 (x2) //4532 and 6793	CW	(JPL)
M89	4532	30-9	1039	Fri	V M8JF (x3) DE RIS9 (x2) //3777 and 6793	CW	(JPL)
M89	6793	30-9	1039	Fri	V M8JF (x3) DE RIS9 (x2) //3777 and 4532	CW	(JPL)
M89	5801	30-9	1043	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	30-9	1043	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3777	30-9	1100	Fri	V M8JF (x3) DE RIS9 (x2) //4532 6793 and 8060	CW	(JPL)
M89	4532	30-9	1100	Fri	V M8JF (x3) DE RIS9 (x2) //3777 6793 and 8060	CW	(JPL)

M89	6793	30-9	1100	Fri	V M8JF (x3) DE RIS9 (x2) //3777 4532 and 8060	CW	(JPL)
M89	8060	30-9	1100	Fri	V M8JF (x3) DE RIS9 (x2) //3777 4532 and 6793	CW	(JPL)
M89	3777	30-9	1111	Fri	V M8JF (x3) DE RIS9 (x2) //4532 6793 and 8060	CW	(JPL)
M89	4532	30-9	1111	Fri	V M8JF (x3) DE RIS9 (x2) //3777 6793 and 8060	CW	(JPL)
M89	6793	30-9	1111	Fri	V M8JF (x3) DE RIS9 (x2) //3777 4532 and 8060	CW	(JPL)
M89	8060	30-9	1111	Fri	V M8JF (x3) DE RIS9 (x2) //3777 4532 and 6793	CW	(JPL)
M89	5801	30-9	1114	Fri	V DKG6 (x3) DE 3A7D (x2) //10180	CW	(JPL)
M89	10180	30-9	1114	Fri	V DKG6 (x3) DE 3A7D (x2) //5801	CW	(JPL)
M89	3642	30-9	1558	Fri	V DKG6 (x3) DE 3A7D (x2) //7602	CW	(JPL)
M89	7602	30-9	1558	Fri	V DKG6 (x3) DE 3A7D (x2) //3642	CW	(JPL)
M89	4045	30-9	1610	Fri	V NG3Y (X3) DE 2QLC (x2) MSG NR 121 CK 301 62 1001 0030 = (see N&O 228)	CW	(JPL)
M89	4045	30-9	2043	Fri	V NG3Y (X3) DE 2QLC (x2)	CW	(JPL)
M89	6840	30-9	2120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M90	3316	27-9	0713	Tue	XVSQ wkg PBFJ TBXE MXP5 PJP6 TSXI	CW	(F5JBR)
M95	8073	1-9	1139	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0724 CK 187 35 0901 1554 = TT. 3A6 ..N .4U7 773 TA7 773 TAD ...	CW	(JPL-HK)
M95	4243	1-9	1153	Thu	V A HR 7G TOYR PSE CY NR 0D3 CK 17 35 ONTA A5AA = 5TD UTT T.. 3U6 3A4 ... //9054 kHz	CW	(JPL-HK)
M95	9054	1-9	1153	Thu	V A HR 7G TOYR PSE CY NR 0D3 CK 17 35 ONTA A5AA = 5TD UTT T.. 3U6 3A4 ... //4243 kHz	CW	(JPL-HK)
M95	8073	2-9	0015	Fri	Appears to be having technical problems	CW	(JPL-HK)
M95	8073	2-9	1141	Fri	V BNGC (x3) DE XSV85 (x2) HG MSG GA PSE CY NR 0726 CK 240 35 0902 1534 = TTU 3U6 3AN 3U7 TAU 773 TAN 773 ...	CW	(JPL-HK)
M95	4243	2-9	1150	Fri	VVV HR 7G TOYR PSE CY NR 085 CK 19 35 0902 1522 = 5TD UTT TTU 3UN 3A4 353 4T. N3D 4TN U7U ... //9054 kHz	CW	(JPL-HK)
M95	9054	2-9	1150	Fri	VVV HR 7G TOYR PSE CY NR 085 CK 19 35 0902 1522 = 5TD UTT TTU 3UN 3A4 353 4T. N3D 4TN U7U ... //4243 kHz	CW	(JPL-HK)
M95	5555	3-9	1225	Sat	VVV BGB VA VVV GB PN LL R R DE 3CFB R	CW	(JPL-HK)
M95	5555	3-9	1512	Sat	UIMA6DN.. A4T. D77.4A (Groups run together) AGN K VVV BT 644G D.....	CW	(JPL-HK)
M95	8073	4-9	1137	Sun	V BNGC (x3) DE XSV85 (x2) A HR MSG GA PSE CY NR 0730 CK .1. 35 0904 .607 = TT4 3U6 3AN ...	CW	(JPL-HK)
M95	4243	4-9	1149	Sun	V HR 7G TOYR PSE CY NR 089 CK 20 35 0904 1514 = 5TD UTT TT4 3U6 3A4 353 36T 4T5 N36 4TN ... //9054 kHz	CW	(JPL-HK)
M95	9054	4-9	1149	Sun	V HR 7G TOYR PSE CY NR 089 CK 20 35 0904 1514 = 5TD UTT TT4 3U6 3A4 353 36T 4T5 N36 4TN ... //4243 kHz	CW	(JPL-HK)
M95	8073	7-9	0009	Wed	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0735 CK 101 35 0907 0654 = TTU 3U4 3A4 TAU 773 353 4AA NN3 ...	CW	(JPL-HK)
M95	4283	7-9	1001	Wed	i.p. 4D6 75D 4D3 3DU TTN 773 354 U46 ... III 75D 4D3 3DU TA3 773 354 U46 ... ZNN	CW	(JPL-HK)
M95	9054	7-9	2348	Wed	VVV HR MSG TOYR PSE CY NR 023 CK 17 35 0908 0624 = UT5 TTD 3U4 3A4 TTT TTU TT3 773 ...	CW	(JPL-HK)
M95	9054	8-9	0001	Thu	A HR MSG GA NR 15 CK 061 35 0908 0650 = UTU TTD 3U4 3A4 TTU 773 ...	CW	(JPL-HK)
M95	8073	8-9	0010	Thu	TUU 773 TU4 773 353 37U 4AA NN3 AR 7G AGN NR 0737 CK 104 35 0908 0706 = TTD 3U4 3A4 TAU 773 357 373 ...	CW	(JPL-HK)
M95	5555	8-9	1115	Thu	V BNGC (x3) DE XSV85 (x2) MSG NR 3401 CK 300 49 0906 0700 RMKS 1834 TO 3965 = 65UN 5U44 U345 N6A4 T46D ...	CW	(JPL-HK)
M95	8073	8-9	1137	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0738 CK 162 35 0908 1606 = TTD 3U6 3AN 3U7 TAU 773 ...	CW	(JPL-HK)
M95	8888	8-9	1732	Thu	? AR AN NTNNNN 743 5A765UN4DUA36NUA3.3AUN ? UN? UNNN NNNN 763A ...	CW	(JPL-HK)
M95	8073	10-9	0007	Sat	V BNGC (x3) DE XSV85 (x2) A HR MSG GA PSE CY NR 0741 CK 80 35 0910 0..5 = TAT 3U4 3A4 TAU 773 ...	CW	(JPL-HK)
M95	9054	10-9	2346	Sat	VVV HR 7G TOYR PSE CY NR 02. CK 19 35 0910 0555 = UT. AAT ...	CW	(JPL-HK)
M95	8073	11-9	1144	Sun	V BNGC (x3) DE XSV85 (x2) A HR MSG PSE CY NR 0747 CK 402 35 0911 1621 = TAA 3U6 3AN 3U7 TAU 773 ...	CW	(JPL-HK)
M95	4243	11-9	1151	Sun	VVV HR MSG TOYR PSE CY NR 22 CK 142 35 0911 1506 = UTU TAA 3U6 3A4 TTU 773 354 N35 374 //9054 kHz	CW	(JPL-HK)

M95	9054	11-9	1151	Sun	VVV HR MSG TOYR PSE CY NR 22 CK 142 35 0911 1506 = UTU TAA 3U6 3A4 TTU 773 354 N35 374 //4243 kHz	CW	(JPL-HK)
M95	8073	11-9	1212	Sun	V BNGC (x3) DE XSV85 (x2) A HR 7G GA NR 0748 CK 55 35 0911 1621 = TTN NSU TAA N53 TAD N54 7TT ...	CW	(JPL-HK)
M95	5555	12-9	1222	Mon	05 05 = 05 05 VVV 7G GA ...	CW	(JPL-HK)
M95	8073	13-9	1142	Tue	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0763 CK 47 35 0913 1602 = TTN NSU TA3 N53 TAD N54 ...	CW	(JPL-HK)
M95	4243	13-9	1153	Tue	i.p. 5D3 AR A HR 7G GA NR 007 CK 17 35 0913 1525 = 5TD UTT TA3 3U6 3A4 356 4TN U7U ... //9054 kHz	CW	(JPL-HK)
M95	9054	13-9	1153	Tue	i.p. 5D3 AR A HR 7G GA NR 007 CK 17 35 0913 1525 = 5TD UTT TA3 3U6 3A4 356 4TN U7U ... //4243 kHz	CW	(JPL-HK)
M95	4243	13-9	2348	Tue	VVV HR MSG TOYR PSE CY NR 034... 49 0914 0... = //9054 kHz	CW	(JPL-HK)
M95	9054	13-9	2348	Tue	VVV HR MSG TOYR PSE CY NR 034... 49 0914 0... = //4243 kHz	CW	(JPL-HK)
M95	4243	14-9	0001	Wed	i.p. AR ... PA ... 052 CK .5 0914 061. = NR 2 7 CK .. 07 CK 052 35 0914 0... = TA4 3.. //9054 kHz	CW	(JPL-HK)
M95	9054	14-9	0001	Wed	i.p. AR ... PA ... 052 CK .5 0914 061. = NR 2 7 CK .. 07 CK 052 35 0914 0... = TA4 3.. //4243 kHz	CW	(JPL-HK)
M95	8073	14-9	0008	Wed	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0766 CK 124 35 0914 0656 = TA4 3U4 3A4 TAU 773 TA7 ...	CW	(JPL-HK)
M95	8073	16-9	1144	Fri	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0779 CK 160 35 0916 1533 = TA6 4U6 3AN 3U7 TA. 773 453 373 4T3 NN3 ...	CW	(JPL-HK)
M95	4243	16-9	1158	Fri	i.p. 354 373 4T7 436 AR A HR MSG GA NR 013 CK 32 35 0916 1537 = 5TD UTT TA6 4U6 7TA ... //9054 kHz	CW	(JPL-HK)
M95	9054	16-9	1158	Fri	i.p. 354 373 4T7 436 AR A HR MSG GA NR 013 CK 32 35 0916 1537 = 5TD UTT TA6 4U6 7TA ... //4243 kHz	CW	(JPL-HK)
M95	4243	18-9	1156	Sun	AR A HR MSG GA NR 061 CK 17 35 0920 1708 = UT5 T3 UT6 3A... //9054 kHz	CW	(JPL-HK)
M95	9054	18-9	1156	Sun	AR A HR MSG GA NR 061 CK 17 35 0920 1708 = UT5 T3 UT6 3A... //4243 kHz	CW	(JPL-HK)
M95	9054	18-9	2346	Sun	V HR 7G TOYR PSE CY NR 37 CK 054 35 0919 0608 = UTU TAN 3U4 3A. .TU N44 TT3 773 35A ...	CW	(JPL-HK)
M95	8073	22-9	0005	Thu	V BNGC (x3) DE XSV85 (x2) HR 7G GA PSE CY NR 0794 CK 96 35 0922 0707 = 3U4 3A4 TAU 773 35U 4T3 NN3 ...	CW	(JPL-HK)
M95	7788	22-9	0031	Thu	i.p. PGUW QXDS KTHJ FVER YNZO UGYP JHFX LFRS CIOK VYDM PDLU CSYN VEPH (see N&O 228)	CW	(JPL-HK)
M95	8073	22-9	1135	Thu	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0795 CK 129 35 0922 1555 = TUU 3U6 3AN ...	CW	(JPL-HK)
M95	9054	22-9	2346	Thu	V HR MSG TOYR PSE CY NR 026 CK 17 35 0923 0619 = .TD .TT TU. (CW	(JPL-HK)
M95	8073	23-9	0009	Fri	V BNGC (x3) DE XSV85 (x2)	CW	(JPL-HK)
M95	8073	27-9	1136	Tue	V BNGC (x3) DE XSV85 (x2) ... PSE CY NR 0813 CK 173 35 0927 1600 = TU7 3U6 3U7 TAU 773 ...	CW	(JPL-HK)
M95	4243	27-9	1150	Tue	V HR MSG TOYR PSE CY NR 54 CK 153 35 0927 1456 = UTU TU7 3U6 3A4 7TU 7TA 7T7 73U 7UT TTU 773 ... //9054 kHz	CW	(JPL-HK)
M95	9054	27-9	1150	Tue	V HR MSG TOYR PSE CY NR 54 CK 153 35 0927 1456 = UTU TU7 3U6 3A4 7TU 7TA 7T7 73U 7UT TTU 773 ... //4243 kHz	CW	(JPL-HK)
M95	9054	27-9	2352	Tue	i.p. AR A HR 7G GA NR 55 CK 067 35 0928 06.. = ... 3A4 T.. .TU 77 TTT..	CW	(JPL-HK)
M95	9054	28-9	0001	Wed	i.p. AR A HR PSE A HR UP SB .. K	CW	(JPL-HK)
M95	8073	29-9	0011	Thu	V BNGC (x3) DE XSV85 (x2) HR 7G GA PSE CY NR 0820 CK 102 35 0929 0659 = TUN 3U4 3A4 TAU 773 TU4 773 TU5 ... AR AR	CW	(JPL-HK)
M95	8073	30-9	1134	Fri	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0823 CK 96 35 0930 1524 = 3T3 UT5 3AN 3U. TAU 773 ...	CW	(JPL-HK)
M95	4243	30-9	1149	Fri	VV HR MSG TOYR PSE CY NR 60 CK 11. 35 0930 1510 = UTU T3. .U 6 3A4 TTU N44 TT3 773 35... //9054 kHz	CW	(JPL-HK)
M95	9054	30-9	1149	Fri	VV HR MSG TOYR PSE CY NR 60 CK 11. 35 0930 1510 = UTU T3. .U 6 3A4 TTU N44 TT3 773 35... //4243 kHz	CW	(JPL-HK)
M95	9054	30-9	2345	Fri	V A HR 7G T OYR PSE CY NR 042 CK 20 35 1001 0618 = 5TD UTT TTA 3U4 3A4 353 N3D 354 373 4T7 ...	CW	(JPL-HK)
MX	6928	2-9	2006	Fri	Beacon V	CW	(MPJ)
MX	6928	11-9	2340	Sun	Beacon V	CW	(Benka)
MX	6928	12-9	2332	Mon	Beacon V	CW	(Benka)

MX	6928	13-9	2154	Tue	Beacon V	CW	(Benka)
MX	5156.9	18-9	0526	Sun	Beacon L, St Petersburg	CW	(AB)
MX	8497.8	18-9	0526	Sun	Beacon L, St Petersburg	CW	(AB)
MX	8494.7	18-9	0528	Sun	Beacon D, Sevastopol	CW	(AB)
MX	8494.9	18-9	0528	Sun	Beacon S, Severomorsk	CW	(AB)
MX	8495	18-9	0528	Sun	Beacon C, Moscow	CW	(AB)
MX	16332.2	18-9	0529	Sun	Beacon F, Vladivosktok	CW	(AB)
MX	13527.8	18-9	0530	Sun	Beacon D, Sevastopol	CW	(AB)
MX	13527.9	18-9	0530	Sun	Beacon S, Severomorsk	CW	(AB)
MX	13528	18-9	0530	Sun	Beacon C, Moscow	CW	(AB)
MX	10871.7	18-9	0532	Sun	Beacon D, Sevastopol	CW	(AB)
MX	10871.9	18-9	0532	Sun	Beacon S, Severomorsk	CW	(AB)
MX	10872	18-9	0532	Sun	Beacon C, Moscow	CW	(AB)
MX	7508.7	18-9	0533	Sun	Beacon D, Sevastopol	CW	(AB)
MX	3658	29-9	1847	Thu	Beacon V	CW	(JPL-Sib)
MX	10872.3	30-9	0942	Fri	Beacon K Petropavlovsk Kamchatskiy	CW	(AB-J)
MX	10872.4	30-9	0943	Fri	Beacon M Magadan	CW	(AB-J)
MX	7039.4	30-9	0946	Fri	Beacon M Magadan	CW	(AB-J)
MX	8495.4	30-9	0946	Fri	Beacon M Magadan	CW	(AB-J)
MX	5154.4	30-9	0948	Fri	Beacon M Magadan	CW	(AB-J)
MX	10871.7	30-9	1818	Fri	Beacon D Sevastopol	CW	(MPJ)
MX	10871.9	30-9	1818	Fri	Beacon S Sevoromorsk	CW	(MPJ)
MX	10872	30-9	1818	Fri	Beacon C Moscow	CW	(MPJ)
Q26	8073	1-9	1133	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	1-9	1143	Thu	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	1-9	1143	Thu	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	2-9	0002	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	2-9	1135	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	2-9	1145	Fri	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	2-9	1145	Fri	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	4-9	1132	Sun	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	4-9	1143	Sun	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	4-9	1143	Sun	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	7-9	2342	Wed	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	8-9	1127	Thu	Briefly than into voice callup	4+4 QPSK 75/300 USB	(JPL-HK)
Q26	8073	8-9	1132	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	10-9	0002	Sat	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	10-9	2345	Sat	Messages	4+4 QPSK 75/300 LSB	(JPL-HK)
Q26	8073	11-9	1130	Sun	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	11-9	1146	Sun	Messages //9054 kHz	4+4 QPSK 75/300 LSB	(JPL-HK)

Q26	9054	11-9	1146	Sun	Messages //4243 kHz	4+4 QPSK 75/300 LSB	(JPL-HK)
Q26	8073	13-9	1132	Tue	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	13-9	2342	Tue	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	13-9	2342	Tue	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	14-9	0003	Wed	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	16-9	1136	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	18-9	2341	Sun	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	22-9	0002	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	22-9	1131	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	22-9	2341	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	23-9	0002	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	27-9	1129	Tue	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	27-9	1141	Tue	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	27-9	1141	Tue	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	8073	30-9	1131	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	4243	30-9	1144	Fri	Messages //9054 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	30-9	1144	Fri	Messages //4243 kHz	4+4 QPSK 75/3000 LSB	(JPL-HK)
Q26	9054	30-9	2342	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL-HK)
RADv	3931.5	11-9	1727	Sun	Tracking (Russian Voice)	LSB	(F5JBR)
RADv	4380	12-9	1631	Mon	Tracking (Russian Voice)	USB	(F5JBR)
RADv	4090	14-9	1651	Wed	SOKOT-12 wkg RILAN-48 MADAF-77 TOPOL-52 ANIDA-27	USB	(F5JBR)
RADv	4525	15-9	0437	Thu	VOLD-56 clg DAVIR-45 TRONAD-59 NIRAD-64	USB	(F5JBR)
RADv	4770.5	21-9	1345	Wed	Tracking (Russian Voice)	LSB	(F5JBR)
RAv	8033	21-9	0408	Wed	Russian Air Force Tu-95MS Bear H net	USB	(Tom)
RAv	8033	22-9	0624	Thu	Tu-95MS Bear H voice net active	USB	(Tom)
RMv	3799	11-9	1734	Sun	Russian Mil. WASSAM-26 clg PARKIR-51	USB	(F5JBR)
RMv	4150	11-9	1758	Sun	Russian Mil. OTARVOY-04 clg DAVOY-44, DEROK-71, CHI-LAN-63, BRELIN-16, PREVOB-34	USB	(F5JBR)
RMv	3513	13-9	1641	Tue	Russian Mil. CARTA-60 clg VOLTA-68, ORDER-74, PALMIR-98	LSB	(F5JBR)
RMv	4461	17-9	0628	Sat	KALOT-62 clg BURA-85 DAMAT-71	USB	(F5JBR)
RMv	4806.5	20-9	0509	Tue	BAKIEN-70 clg AKMAR-04	USB	(F5JBR)
RMv	6318.5	20-9	0918	Tue	BALT-06 clg MIRAT-68 OREL-29	USB	(F5JBR)
RMv	5249	21-9	0517	Wed	ROZAT-58 clg COBALT-85 OZEAN-08	USB	(F5JBR)
RMv	4636	21-9	1313	Wed	ALTO-35 clg BOSSER-89 CHATOL-32 PATOK-37	LSB	(F5JBR)
RNv	6919	11-9	1753	Sun	VOLFRAM (RIT) clg VARSAW (REE5)	USB	(F5JBR)
RNv	4050	13-9	1308	Tue	VESTNIK (RMP) clg LIMOUSINE (RJI52) ROUCHNIK (RGL85)	USB	(F5JBR)
RNv	6110	19-9	0600	Mon	MAMAMIAN (RLD63) clg VESNIK (RMP)	USB	(F5JBR)
RNv	4940.5	21-9	0449	Wed	GARANTIYA (RIQ88) clg GANILA (RAI63)	LSB	(F5JBR)
RNv	4042	21-9	0601	Wed	KAVUK (RIH41) clg VESTNIK (RMP)	USB	(F5JBR)
S???	6996	17-9	0641	Sat	142 142 142 000	USB	(DF5JL)
S06	19035	2-9	0830	Fri	842 951 30 59380 92319 11046 ... 60353 99913 36655 951 30 00000	USB	(ES)
S06	15645	2-9	0930	Fri	842 951 30 59380 92319 11046 ... 60353 99913 36655 951 30 00000	USB	(ES)
S06	6924	2-9	2000	Fri	761 761 761 00000	USB	(AB/MPJ)
S06	10350	3-9	0800	Sat	254 801 6 34895 79814 75017 50195 73904 57905 801 6 00000	USB	(AB)

S06	8520	3-9	0810	Sat	254 801 6 34895 79814 75017 50195 73904 57905 801 6 00000	USB	(AB)
S06	4756	3-9	1900	Sat	614 614 614 00000	USB	(AB/HFD)
S06	4059	3-9	2000	Sat	614 614 614 00000	USB	(AB/HFD)
S06	15645	8-9	0930	Thu	842 ...	USB	(AB)
S06	8057	8-9	2130	Thu	726 834 51 69242 67103 04390 ... 21431 67729 59481 834 51 00000	USB	(Kal2/qsr711)
S06	15721	14-9	0400	Wed	480 691 50 97521	USB	(HFD/HK)
S06	15645	16-9	0930	Fri	842 159 32 48742 54737 82415 ... 03497 41010 97523 159 32 00000	USB	(ES)
S06	15645	16-9	0930	Fri	842 159 32 ...	USB	(AB)
S06	9491	16-9	1900	Fri	761 761 761 00000	USB	(HFD)
S06	6924	16-9	2000	Fri	761 761 761 00000	USB	(AB/HFD)
S06	4059	17-9	2000	Sat	614 614 614 00000	USB	(AB)
S06	10365	21-9	0545	Wed	i.p.	USB	(HFD)
S06	19035	22-9	0830	Thu	842 706 33 73472	USB	(HFD/HK)
S06	15645	22-9	0930	Thu	842 706 33 73472	USB	(HFD/HK)
S06	15645	30-9	0930	Fri	842 591 34 90876 03820 40550 ... 96161 80171 43306 591 34 00000	USB	(AB-J)
S06s	9231	1-9	0533	Thu	unscheduled txm i.p. 46291 80714 57922 69516 08704 77511 ... 29488 22805 84455 122 41 00000	LSB	(ES)
S06s	10933	1-9	0554	Thu	unscheduled txm i.p. 22805 84455 122 41 00000	LSB	(ES)
S06s	7641	1-9	0710	Thu	Test transmission. 124 638 12 7... (Abrupt end, message didn't continue afterwards)	USB	(qsr711)
S06s	9082	1-9	0813	Thu	unscheduled txm 143 617 14 39475 49476 18613 79015 51602 10902 46620 93199 01125 30579 18482 07558 42575 88727 00000	LSB	(ES)
S06s	10603	1-9	0823	Thu	unscheduled txm 168 617 14 39475 49476 18613 79015 51602 10902 46620 93199 01125 30579 18482 07558 42575 88727 00000	LSB	(ES)
S06s	5744	1-9	0900	Thu	624 935 7 55304 51511 50901 81797 94359 15302 30333 935 7 00000	USB	(AB/ES/HFD)
S06s	6524	1-9	0910	Thu	624 935 7 55304 51511 50901 81797 94359 15302 30333 935 7 00000	USB	(AB/HFD)
S06s	9081	1-9	0930	Thu	314 875 6 56816 45708 86928 30194 28344 83370 875 6 00000	USB	(AB/HFD)
S06s	10514	1-9	0940	Thu	314 875 6 56816 45708 86928 30194 28344 83370 875 6 00000	USB	(AB/ES/HFD)
S06s	10447	1-9	1019	Thu	unscheduled txm i.p. ends with 00000	USB	(ES)
S06s	9101	1-9	1025	Thu	Test transmission. 925 00000	USB	(qsr711)
S06s	12415	1-9	1200	Thu	425 960 7 93474 44147 33083 18833 95254 93097 36704 960 7 00000	USB	(ES/HFD)
S06s	14212	1-9	1210	Thu	425 960 7 93474 44147 33083 18833 95254 93097 36704 960 7 00000	USB	(AB/HFD)
S06s	12140	2-9	0930	Fri	516 839 7 37823 38230 48235 38702 44520 46992 47281 839 7 00000	USB	(AB/HFD)
S06s	12140	2-9	0930	Fri	516 839 7 37823	USB	(HFD)
S06s	13515	2-9	0940	Fri	516 839 7 37823 38230 48235 38702 44520 46992 47281 839 7 00000	USB	(AB/ES/HFD)
S06s	10350	3-9	0800	Sat	254 801 6 34985 ...	USB	(HFD)
S06s	8520	3-9	0810	Sat	254 801 6 34985 ...	USB	(HFD)
S06s	10603	5-9	0820	Mon	153 269 3 73483 86967 08714 269 3 00000	USB	(qsr711)
S06s	9220	5-9	0830	Mon	371 920 5 38030 37823 38230 48235 38702 920 5 00000	USB	(AB/HFD)
S06s	8270	5-9	0840	Mon	371 920 5 38030 37823 38230 48235 38702 920 5 00000	USB	(AB/HFD)
S06s	14580	5-9	0900	Mon	872 906 5 37947 39747 31323 31829 47694 906 5 00000	USB	(AB/HFD)
S06s	13165	5-9	0910	Mon	872 906 5 37947 39747 31323 31829 47694 906 5 00000	USB	(AB/HFD)
S06s	9145	5-9	1200	Mon	831 209 5 49294 38064 31724 37324 39316 209 5 00000	LSB	(AB/HFD)
S06s	9145	5-9	1200	Mon	831 209 5 49294	USB	(HFD)
S06s	11460	5-9	1210	Mon	831 209 5 49294 38064 31724 37324 39316 209 5 00000	LSB	(AB/HFD)
S06s	6843	5-9	1955	Mon	692 692 692 49621 (R4m) 692 (R1m) 317 8 07762 93912 93575 63917 09130 89472 52439 48235 317 8 00000	USB	(Danix)
S06s	5760	6-9	0700	Tue	Test transmission. 374 961 5 84496 13529 91969 44658 45517 961 5 00000	USB	(qsr711/HFD)
S06s	7641	6-9	0710	Tue	124 638 12 7 then stop afterwards "V" in CW	USB	(HFD)
S06s	6930	6-9	0715	Tue	Test transmission. 374 961 5 84496 13529 91969 44658 45517 961 5 00000	USB	(qsr711/ES/HFD)

S06s	7425	6-9	0730	Tue	Test transmission. 427 916 5 94591 86760 85007 55087 96538 916 5 00000	USB	(qsr711/HFD)
S06s	11560	6-9	0740	Tue	427 916 5 94591 86760 85007 55087 96538 916 5 00000	USB	(AB/ES/qsr711/HFD)
S06s	11560	6-9	0745	Tue	Test transmission. 427 916 5 94591 86760 85007 55087 96538 916 5 00000	USB	(qsr711)
S06s	11635	6-9	0800	Tue	352 806 7 97981 82806 50580 90963 83292 86087 97536 806 7 00000	USB	(AB/ES/qsr711/HFD)
S06s	10420	6-9	0810	Tue	352 806 7 97981 82806 50580 90963 83292 86087 97536 806 7 00000	USB	(AB/HFD)
S06s	9903	6-9	0938	Tue	i.p. 357 18430 215 8 90180 19164 53950 38189 69998 46295 42791 45071 215 8 00000	LSB	(ES/HFD)
S06s	7340	6-9	1010	Tue	893 472 5 43167 30003 33493 94897 48995 472 5 00000	USB	(AB/ES/HFD)
S06s	6190	6-9	1100	Tue	754 281 6 47183 89128 59662 93898 87782 11355 281 6 00000	USB	(AB/ES/HFD)
S06s	7230	6-9	1110	Tue	754 281 6 47183 89128 59662 93898 87782 11355 281 6 00000	USB	(AB/HFD)
S06s	10992	6-9	1409	Tue	724 724 724 18430 (R4m) 215 8 90180 19164 53950 38189 69998 46295 42791 45071 215 8 00000	LSB	(JcK)
S06s	6464	6-9	1500	Tue	537 weak	USB	(HFD)
S06s	7242	6-9	1510	Tue	537 weak	USB	(HFD)
S06s	10411	6-9	1625	Tue	329 843 24 58088 17734 51795 92239 ... 27440 22940 14588 843 24 00000	LSB	(linkz/PW2/qsr711)
S06s	9157	6-9	1634	Tue	329 843 24 58088 17734 51795 92239 ... 27440 22940 14588 843 24 00000	LSB	(linkz/PW2/qsr711)
S06s	9296	7-9	0530	Wed	464 938 7 11394 30307 31450 38153 39650 84498 48832 938 7 00000	USB	(AB)
S06s	10365	7-9	0540	Wed	464 938 7 11394 30307 31450 38153 39650 84498 48832 938 7 00000	USB	(AB/ES)
S06s	11530	7-9	0730	Wed	745 910 6 80328 32229 43306 47702 33713 48368 910 6 00000	USB	(AB/ES/HFD)
S06s	12140	7-9	0740	Wed	745 910 6 80328 32229 43306 47702 33713 48368 910 6 00000	USB	(AB/HFD)
S06s	8630	7-9	0820	Wed	471 829 5 31700 48366 35634 32840 48436 829 5 00000	USB	(AB/HFD)
S06s	9255	7-9	0830	Wed	471 829 5 31700 48366 35634 32840 48436 829 5 00000	USB	(AB/ES/HFD)
S06s	10332	7-9	0948	Wed	i.p. 59363 66850 24075 80023 82088 19320 16905 27594 296 15 00000	USB	(ES)
S06s	13365	7-9	1000	Wed	729 508 6 11394 30307 31450 38153 39650 84498 508 6 00000	AM	(AB/ES/HFD)
S06s	14505	7-9	1010	Wed	729 508 6 11394 30307 31450 38153 39650 84498 508 6 00000	AM	(AB/HFD)
S06s	10291	7-9	1224	Wed	i.p. 91333 631 29 00000	USB	(ES)
S06s	10291	7-9	1229	Wed	263 31578 631 29 21599 59363 02348 ... 11466 66538 91333 631 29 00000	USB	(ES)
S06s	10389	7-9	1330	Wed	450 297 13 26324 57256 65642 28310 82519 87955 05223 57975 47482 73311 30248 70915 17770 297 13 00000	USB	(ES)
S06s	9082	8-9	0810	Thu	143 351 12 38730 81980 91333 13139 72909 09754 13863 06242 04990 86840 37260 38058 351 12 00000	LSB	(ES)
S06s	10603	8-9	0820	Thu	168 351 12 38730 81980 91333 13139 72909 09754 13863 06242 04990 86840 37260 38058 351 12 00000	LSB	(ES)
S06s	5744	8-9	0900	Thu	624 935 7 55304 51511 50901 81797 94359 15302 30333 935 7 00000	USB	(AB)
S06s	6524	8-9	0910	Thu	624 935 7 55304 51511 50901 81797 94359 15302 30333 935 7 00000	USB	(AB/ES)
S06s	9081	8-9	0930	Thu	314 875 6 56816 45708 86928 30194 28344 83370 875 6 00000	USB	(AB)
S06s	10514	8-9	0940	Thu	314 875 6 56816 45708 86928 30194 28344 83370 875 6 00000	USB	(AB)
S06s	12415	8-9	1200	Thu	425 960 7 93474 44147 33083 18833 95254 93097 36704 960 7 00000	USB	(AB)
S06s	14212	8-9	1210	Thu	425 960 7 93474 44147 33083 18833 95254 93097 36704 960 7 00000	USB	(AB)
S06s	10447	8-9	1315	Thu	Test transmission. 818 851 33 87417 66891 40768 ... 87411 23158 55375 19969 851 33 00000	USB	(qsr711)

S06s	12140	9-9	0930	Fri	516 839 7 37823 38230 48235 38702 44520 46992 47281 839 7 00000	USB	(AB)
S06s	13515	9-9	0940	Fri	516 839 7 37823 38230 48235 38702 44520 46992 47281 839 7 00000	USB	(AB)
S06s	9903	10-9	1420	Sat	357 367 13 11466 38730... 00000	LSB	(Benka)
S06s	9046	10-9	1630	Sat	960 9 31733 79917 27612 16008 56067 62856 18938 32424 99417 960 9 00000	LSB	(Benka)
S06s	5126	11-9	1122	Sun	472 625 22 96605 37759 50594 ... 20536 01720 89758 625 22 00000	LSB	(DC2)
S06s	9220	12-9	0830	Mon	371 920 5 38084 3 7823 38230 48235 38702 920 5 00000	LSB	(AB)
S06s	8270	12-9	0840	Mon	371 920 5 38084 37823 38230 48235 38702 920 5 00000	LSB	(AB)
S06s	14580	12-9	0900	Mon	872 906 5 37947 39747 31323 32829 47694 906 5 00000	USB	(AB)
S06s	13165	12-9	0910	Mon	872 906 5 37947 39747 31323 32829 47694 906 5 00000	USB	(AB/E)
S06s	9145	12-9	1200	Mon	831 209 5 49294 38064 31724 37 324 39316 209 5 00000	LSB	(AB)
S06s	11460	12-9	1210	Mon	831 209 5 49294 38064 31724 37 324 39316 209 5 00000	LSB	(AB)
S06S	15855	13-9	0600	Tue	438 too weak to copy //16485	USB	(HFD)
S06S	16485	13-9	0600	Tue	438 too weak to copy //15855	USB	(HFD)
S06S	16485	13-9	0610	Tue	438 too weak to copy	USB	(HFD)
S06s	11635	13-9	0800	Tue	352 806 7 97981 82806 50580 90963 83292 86087 97536 806 7 00000	USB	(AB)
S06s	10420	13-9	0810	Tue	352 806 7 97981 82806 50580 90963 83292 86087 97536 806 7 00000	USB	(AB)
S06s	10992	13-9	0925	Tue	724 313 3 30269 54120 95686 313 3 00000	LSB	(ES)
S06s	9903	13-9	0935	Tue	357 313 3 30269 54120 95686 313 3 00000	LSB	(ES)
S06s	6410	13-9	1000	Tue	893 472 5 43167 30003 33493 94897 48995 472 5 00000	USB	(AB)
S06s	7340	13-9	1010	Tue	893 472 5 43167 30003 33493 94897 48995 472 5 00000	USB	(AB)
S06s	6190	13-9	1100	Tue	754 281 6 47183 89128 59662 93898 87782 11355 281 6 00000	LSB	(AB/ES)
S06s	7230	13-9	1110	Tue	754 281 6 47183 89128 59662 93898 87782 11355 281 6 00000	LSB	(AB)
S06s	9157	13-9	1630	Tue	329 329 329 00000	LSB	(Benka)
S06s	9296	14-9	0530	Wed	464 938 7 11394 30307 31450 38153 39650 84498 48832 00000	USB	(ES)
S06s	9255	14-9	0830	Wed	471 829 5 31700 48366 36534 32840 48436 00000	LSB	(ES)
S06s	10332	14-9	0939	Wed	475 475 475 00000	USB	(ES)
S06s	14505	14-9	1010	Wed	729 508 6 11394 30307 31450 38153 39650 84498 00000	USB	(ES)
S06s	10291	14-9	1224	Wed	263 263 263 00000	USB	(ES)
S06s	10389	14-9	1330	Wed	450 78752 00000	USB	(ES)
S06s	9044	14-9	1634	Wed	Test transmission. i.p. ends 00000	USB	(qsr711)
S06s	9082	15-9	0810	Thu	143 143 143 00000	LSB	(ES)
S06s	10603	15-9	0820	Thu	168 168 168 00000	LSB	(ES)
S06s	5744	15-9	0900	Thu	624 839 5 35861 33432 89319 32494 37142 00000	USB	(ES)
S06s	5744	15-9	0940	Thu	314 579 6 37830 31671 35401 34072 83030 32030 00000	USB	(ES)
S06s	14212	15-9	1310	Thu	425 806 7 85518 83929 48340 30054 40909 39394 42571 00000	USB	(ES)
S06s	10447	15-9	1515	Thu	Test transmission. 818 818 818 00000	USB	(qsr711)
S06s	9101	15-9	1623	Thu	Test transmission. 925 925 925 00000	USB	(qsr711)
S06s	12140	16-9	0930	Fri	516 490 7 76342 15009 34140 78386 90494 82963 24162 490 7 00000	USB	(AB)
S06s	13515	16-9	0940	Fri	516 490 7 76342 15009 34140 78386 90494 82963 24162 490 7 00000	USB	(ES/AB)
S06s	10441	16-9	1620	Fri	307 307 307 00000	LSB	(qsr711)
S06s	9157	16-9	1629	Fri	Test transmission. 329 329 329 00000	LSB	(qsr711)
S06s	9220	19-9	0830	Mon	371 540 6 84916 96253 39313 34740 38752 93049 540 6 00000	USB	(AB)
S06s	8270	19-9	0840	Mon	371 540 6 84916 96253 39313 34740 38752 93049 540 6 00000	USB	(AB)
S06s	14580	19-9	0900	Mon	872 541 6 31317 37146 33214 84106 80533 46826 541 6 00000	USB	(AB)
S06s	13165	19-9	0910	Mon	872 541 6 31317 37146 33214 84106 80533 46826 541 6 00000	USB	(AB)
S06s	9145	19-9	1200	Mon	831 547 6 80533 46826 83007 91559 33577 84890 547 6 00000	USB	(AB)
S06s	11460	19-9	1210	Mon	831 547 6 80533 46826 83007 91559 33577 84890 547 6 00000	USB	(AB)

S06s	5760	20-9	0700	Tue	374 985 6 46798 35467 33462 35088 51908 48749 985 6 00000	USB	(AB)
S06s	6930	20-9	0715	Tue	374 985 6 46798 35467 33462 35088 51908 48749 985 6 00000	USB	(AB/F5JBR/ES)
S06s	7425	20-9	0730	Tue	427 913 5 34936 42366 44254 86014 39626 913 5 00000	USB	(AB)
S06s	11560	20-9	0740	Tue	427 913 5 34936 42366 44254 86014 39626 913 5 00000	USB	(AB)
S06s	11635	20-9	0800	Tue	352 846 7 42647 86413 84916 96253 39313 33461 98237 846 7 00000	USB	(AB)
S06s	10420	20-9	0810	Tue	352 846 7 42647 86413 84916 96253 39313 33461 98237 846 7 00000	USB	(AB)
S06s	6410	20-9	1000	Tue	893 421 5 84597 81254 90487 33962 99077 421 5 00000	USB	(AB)
S06s	7340	20-9	1010	Tue	893 421 5 84597 81254 90487 33962 99077 421 5 00000	USB	(AB)
S06s	6190	20-9	1100	Tue	754 809 6 36626 27996 31664 44527 46739 33972 809 6 00000	LSB	(AB)
S06s	7230	20-9	1110	Tue	754 809 6 36626 27996 31664 44527 46739 33972 809 6 00000	LSB	(AB/ES)
S06s	6464	20-9	1500	Tue	537 289 6 42935 99463 39465 36688 82974 35088 289 6 00000	USB	(AB)
S06s	7242	20-9	1510	Tue	537 289 6 42935 99463 39465 36688 82974 35088 289 6 00000	USB	(AB)
S06s	9296	21-9	0530	Wed	464 923 5 46116 34400 44228 47161 94304 923 5 00000	USB	(AB/ES)
S06s	10365	21-9	0540	Wed	464 923 5 46116 34400 44228 47161 94304 923 5 00000	USB	(AB)
S06s	11530	21-9	0730	Wed	745 210 6 88238 86921 36954 18890 98870 47230 210 6 00000	USB	(AB/ES)
S06s	12140	21-9	0740	Wed	745 210 6 88238 86921 36954 18890 98870 47230 210 6 00000	USB	(AB)
S06s	8630	21-9	0820	Wed	471 503 6 91309 84062 43661 49504 96005 83189 503 6 00000	USB	(AB)
S06s	9255	21-9	0830	Wed	471 503 6 91309 84062 43661 49504 96005 83189 503 6 00000	USB	(AB/ES)
S06s	13365	21-9	1000	Wed	729 461 5 83605 94039 47081 42841 30501 461 5 00000	AM	(AB/ES)
S06s	14505	21-9	1010	Wed	729 461 5 83605 94039 47081 42841 30501 461 5 00000	AM	(AB/ES)
S06s	5744	22-9	0900	Thu	624 839 5 35861 33432 89319 32494 37142 839 5 00000	USB	(AB)
S06s	6524	22-9	0910	Thu	624 839 5 35861 33432 89319 32494 37142 839 5 00000	USB	(AB)
S06s	9081	22-9	0930	Thu	314 579 6 37830 31671 35401 34072 83030 32030 579 6 00000	USB	(AB)
S06s	10514	22-9	0940	Thu	314 578 6 37830 31671 35401 34072 83030 32030 579 6 00000	USB	(AB)
S06s	12415	22-9	1200	Thu	425 806 7 85518 83929 48340 30054 40909 39394 42571 806 7 00000	AM	(AB)
S06s	14212	22-9	1210	Thu	425 806 7 85518 83929 48340 30054 40909 39394 42571 806 7 00000	AM	(AB/ES)
S06s	12140	23-9	0930	Fri	516 490 7 76342 15009 34140 78386 90494 82963 24162 490 7 00000	USB	(AB)
S06s	13515	23-9	0940	Fri	516 490 7 76342 15009 34140 78386 90494 82963 24162 490 7 00000	USB	(AB)
S06s	9220	26-9	0830	Mon	371 540 6 84916 96253 39313 34740 38752 93049 540 6 00000	USB	(AB)
S06s	8270	26-9	0840	Mon	371 540 6 84916 96253 39313 34740 38752 93049 540 6 00000	USB	(AB)
S06s	14580	26-9	0900	Mon	872 541 6 31317 37146 33214 84106 80533 46826 541 6 00000	USB	(AB)
S06s	13165	26-9	0910	Mon	872 541 6 31317 37146 33214 84106 80533 46826 541 6 00000	USB	(AB)
S06s	9145	26-9	1200	Mon	831 547 6 80533 46826 83007 91559 33577 84890 547 6 00000	USB	(AB)
S06s	11460	26-9	1210	Mon	831 547 6 80533 46826 83007 91559 33577 84890 547 6 00000	USB	(AB)
S06s	15855	27-9	0600	Tue	438 290 5 49032 82871 88160 30332 84664 290 5 00000	USB	(ES)
S06s	5760	27-9	0700	Tue	374 985 6 46798 35467 33462 35088 51908 48749 985 6 00000	USB	(AB)
S06s	6930	27-9	0715	Tue	374 985 6 46798 35467 33462 35088 51908 48749 985 6 00000	USB	(AB)
S06s	7425	27-9	0730	Tue	427 913 5 34936 42366 44254 86014 39626 913 5 00000	USB	(AB/ES)
S06s	11560	27-9	0740	Tue	427 913 5 34936 42366 44254 86014 39626 913 5 00000	USB	(AB)

S06s	11635	27-9	0800	Tue	352 846 7 42647 86413 84916 96253 39313 33461 98237 846 7 00000	USB	(AB/ES)
S06s	10420	27-9	0810	Tue	352 846 7 42647 86413 84916 96253 39313 33461 98237 846 7 00000	USB	(AB)
S06s	6410	27-9	1000	Tue	893 421 84597 81254 90487 33962 99077 421 5 00000	USB	(AB/ES)
S06s	7340	27-9	1010	Tue	893 421 84597 81254 90487 33962 99077 421 5 00000	USB	(AB)
S06s	6190	27-9	1100	Tue	754 809 6 36626 27996 31664 44527 46739 33972 809 6 00000	USB	(AB-POL)
S06s	7230	27-9	1110	Tue	754 809 6 36626 27996 31664 44527 46739 33972 809 6 00000	USB	(AB-POL/ES)
S06s	6464	27-9	1500	Tue	537 289 6 42935 99463 39465 36688 82974 35088 289 6 00000	USB	(AB)
S06s	7242	27-9	1510	Tue	537 289 6 42935 99463 39465 36688 82974 35088 289 6 00000	USB	(AB)
S06s	9296	28-9	0530	Wed	464 923 5 46116 34400 44228 47161 94304 923 5 00000	USB	(AB)
S06s	10365	28-9	0540	Wed	464 923 5 46116 34400 44228 47161 94304 923 5 00000	USB	(AB)
S06s	11530	28-9	0730	Wed	745 210 6 88238 86921 36954 18890 98870 47230 210 6 00000	USB	(AB)
S06s	12140	28-9	0740	Wed	745 210 6 88238 86921 36954 18890 98870 47230 210 6 00000	USB	(AB)
S06s	8630	28-9	0820	Wed	471 503 6 91309 84062 43661 49504 96005 83189 503 6 00000	USB	(AB)
S06s	9255	28-9	0830	Wed	471 503 6 91309 84062 43661 49504 96005 83189 503 6 00000	USB	(AB)
S06s	13365	28-9	1000	Wed	729 461 5 83605 94039 47081 42841 30501 461 5 00000	AM	(AB)
S06s	14505	28-9	1010	Wed	729 461 5 83605 94039 47081 42841 30501 461 5 00000	AM	(AB)
S06s	5744	29-9	0900	Thu	624 624 624 00000	USB	(AB)
S06s	6524	29-9	0910	Thu	624 624 624 00000	USB	(AB)
S06s	9081	29-9	0930	Thu	314 314 314 00000	USB	(AB)
S06s	10514	29-9	0940	Thu	314 314 314 00000	USB	(AB)
S06s	12415	29-9	1200	Thu	425 425 425 00000	AM	(AB)
S06s	14212	29-9	1210	Thu	425 425 425 00000	AM	(AB)
S06s	12140	30-9	0930	Fri	516 516 516 00000	AM	(AB)
S06s	13515	30-9	0940	Fri	516 516 516 00000	AM	(AB)
S11a	16112	1-9	1015	Thu	475/00	USB	(AB/ES/HFD)
S11a	5358	2-9	0455	Fri	321/00	USB	(AB/ES)
S11a	7317	2-9	0915	Fri	484/00	USB	(AB/ES/HFD)
S11a	9960	2-9	1020	Fri	426/00	USB	(AB/ES/HFD)
S11a	10800	3-9	1540	Sat	563/00	USB	(MPJ)
S11a	16112	5-9	1015	Mon	470/38 Vnimanaye 69978 75742 88731 ... 71323 68174 42333 Vnimanaye, rpt msg, konets	USB	(AB)
S11a	5358	6-9	0455	Tue	321/00	USB	(AB/ES)
S11a	9960	6-9	1020	Tue	426/00	USB	(AB/ES)
S11a	10800	7-9	1540	Wed	565/33 Vnimanaye 54173 50236 18255 ... 34327 30993 04335 konets	USB	(AB/HFD)
S11a	4016	7-9	1955	Wed	371/00	USB	(HFD)
S11a	16112	8-9	1015	Thu	Message	USB	(AB)
S11a	5358	9-9	0455	Fri	321/00	USB	(AB/HFD)
S11a	7317	9-9	0915	Fri	484/00	USB	(AB)
S11a	10800	10-9	1540	Sat	565/33 Vnimanaye 54173 50236 18255 ... 34327 30993 04335 konets	USB	(ES)
S11a	16112	12-9	1015	Mon	475/00	USB	(ES/AB)
S11a	5358	13-9	0455	Tue	321/00	USB	(ES)
S11a	7317	13-9	0915	Tue	484/00	USB	(AB/ES)
S11a	9960	13-9	1020	Tue	426/00	USB	(AB/ES)
S11a	10800	14-9	1540	Wed	563/00	USB	(GHn)
S11a	16112	15-9	1015	Thu	476/00	USB	(ES)
S11a	5358	16-9	0457	Fri	321/00	USB	(F5JBR)
S11a	7317	16-9	0915	Fri	484/00	USB	(AB/F5JBR/ES)
S11a	9960	16-9	1020	Fri	426/00	USB	(AB)
S11a	10800	17-9	1540	Sat	426/00	USB	(AB/ES)
S11a	5358	20-9	0455	Tue	326/36 Vnimanaye 59352 93410 93767 ... 48372 39999 94435 Vnimanaye, rpt msg, konets	USB	(AB/ES)
S11a	7317	20-9	0915	Tue	484/00	USB	(AB)
S11a	9960	20-9	1020	Tue	429/36 Vnimanaye 26357 43556 93811 ... 98737 91246 27193 konets	USB	(ES)

S11a	10800	21-9	1540	Wed	563/00	USB	(AB)
S11a	5358	23-9	0455	Fri	326/36 Vnimanije 59352 93410 93767 ... 48372 39999 94435 Vnimanije, rpt msg, konets	USB	(AB)
S11a	7317	23-9	0915	Fri	484/00	USB	(AB)
S11a	9960	23-9	1020	Fri	429/36 Vnimanije 26357 43556 93811 ... 98737 91246 27193 Vnimanije, rpt msg, konets	USB	(AB)
S11a	4016	23-9	1955	Fri	370/39 Vnimanije 59522 31705 34315 ...	USB	(AB)
S11a	10800	24-9	1540	Sat	563/00	USB	(AB)
S11a	16112	26-9	1015	Mon	575/00	USB	(MPJ)
S11a	5358	27-9	0455	Tue	321/00	USB	(AB/ES)
S11a	7317	27-9	0915	Tue	481/33 Vnimanije 54012 17627 48386 ... 33137 79079 78736 Vnimanije, rpt msg, konets	USB	(AB)
S11a	9960	27-9	1020	Tue	426/00 Konets	USB	(ES)
S11a	10800	28-9	1540	Wed	563/00	USB	(AB)
S11a	4016	28-9	1955	Wed	371/00	USB	(AB)
S11a	5358	30-9	0455	Fri	321/00	USB	(AB)
S11a	7317	30-9	0915	Fri	481/33 Vnimanije 54012 17627 48386 ... 33137 79079 78736 Vnimanije, rpt msg, konets	USB	(AB)
S11a	9960	30-9	1020	Fri	426/00	USB	(AB)
S11a	4016	30-9	1955	Fri	371/00	USB	(AB/MPJ)
S28	4625	1-9	0520	Thu	Buzzer marker	USB	(chpa)
S28	4625	1-9	1743	Thu	Buzzer marker	USB	(chpa)
S28	4625	12-9	0825	Mon	ZhUOZ 39101 VYAZNIKOV 22829382	USB	(Priyom)
S28	4625	12-9	0827	Mon	ZhUOZ 99007 IROFON 19885197	USB	(Priyom)
S28	4625	12-9	1021	Mon	ZhUOZ 26066 AZhUROLOS' 50567569	USB	(Priyom)
S28	4625	16-9	1737	Fri	ZhUOZ 54046 ZEMLEVED 40975573	USB	(AB)
S28	4625	21-9	1631	Wed	ZhUOZ 28178 BOSSOBUK 34495582	USB	(Priyom)
S28	4625	21-9	1736	Wed	ZhUOZ 88982 VIZGOFTOR 77194842	USB	(Priyom)
S28	6998	26-9	1735	Mon	Buzzer channel marker	USB	(chpa)
S28	4625	26-9	1739	Mon	Buzzer channel marker	USB	(chpa)
S30	3756	1-9	1750	Thu	Pip marker	USB	(chpa)
S30	3756	7-9	1652	Wed	V'Z' NLCE LI27 V2MZ SB7Z 'O6P Y8VM 6I2Zh 8CShchJ 27Shch'	USB	(Priyom)
S30	6922	8-9	0438	Thu	1 2 3 4 5 6 7 8 9 10 priyom	USB	(ES)
S30	6922	8-9	0444	Thu	8S1S KOTOTOST 142 Moskovskoe vremja priyom	USB	(ES)
S30	6922	8-9	0451	Thu	Dlja: TUZR 8MUO GLAVKOM. Vremja moskovskoe priyom	USB	(ES)
S30	6922	8-9	0504	Thu	Dlja: TUZR 8MUO KORZINKA 346. Vremja moskovskoe pri- yom	USB	(ES)
S30	6922	8-9	0505	Thu	Dlja: TUZR ARAKOL'EŽ 460. Vremja moskovskoe priyom.	USB	(ES)
S30	6922	8-9	0507	Thu	Dlja: 8MUO BRIOLIN 121. Vremja moskovskoe priyom.	USB	(ES)
S30	6922	8-9	0509	Thu	8S1S MIROPUT' 344. Vremja moskovskoe priyom	USB	(ES)
S30	6922	8-9	0511	Thu	8S1S 95 055 NILOFANT 1941 4169. Vremja moskovskoe priyom	USB	(ES)
S30	6922	8-9	0513	Thu	8S1S GIPERBOLA 188. Vremja moskovskoe priyom	USB	(ES)
S30	6922	8-9	0513	Thu	8S1S ASVELIT 521 Otstavit'! Male voice: KONSTANTIN	USB	(ES)
S30	6922	8-9	0516	Thu	8S1S KASVELIT 521 Vremja moskovskoe priyom	USB	(ES)
S30	3756	10-9	1817	Sat	Message	USB	(IKOOZK)
S30	3756	26-9	1742	Mon	Pip channel marker	USB	(chpa)
S32	3828	6-9	1819	Tue	STAZhER-29 STOROZh-62 YaHTA-94 RUZh'E-26 ROSA-64 KOVBOJ-39 LANDYSh-74 KURGAN-40 NYeVKA-26 ZASLONKA-27	USB	(Priyom)
S32	3828	9-9	1708	Fri	STOROZh-62 BIZON-64 UTyOs-94 STAZhER-29 RYezINA-38	USB	(Priyom)
S32	3828	9-9	1756	Fri	PYeSOChNYJ-21 BIZON-64 OTPOR-89 STUPA-32 FONTAN- 34 LANDYSh-74 KOVBOJ-39 Error in reading	USB	(Priyom)
S5292	5292	1-8	0328	Mon	FAZAN-37 LYeSOPYeG 72 36. Count before the message. Same as S28 at 0300 UTC, but with P instead of B (LESOPEG instead of LESOBEG)	USB	(Priyom)
S5292	5292	1-8	0737	Mon	RYeGATA-75 SYeKRYeT-39 13352 PRYZhOK 27568753. Count before the message, female voice in the back- ground	USB	(Priyom)
S5292	5292	1-8	0753	Mon	FAZAN-37 45763 LUCHINA 36379543. Count before the message	USB	(Priyom)
S5292	5292	1-9	5292	Thu	Marker D	USB	(chpa)
S5292	5292	26-9	1745	Mon	Channel marker D	USB	(chpa)
S5292	5292	30-9	1854	Fri	Marker. Sends S instead of D	USB	(MPJ)

S6930	6930	12-9	0947	Mon	Kobra 14, ja Gorka 54 priyom. Gorka 54, ja Kobra 14 priyom. Kobra 14, ja Gorka 54 priyom	USB	(Benka)
S6930	6930	12-9	0948	Mon	Kobra 14, ja Gorka 54. Polucaju vas na horošo. Kak vy menja? priyom. na 2 balla. Kak slyšno? priyom. Kobra 14, ja Gorka 54. Vas prinjala priyom	USB	(Benka)
UM10	6790	29-9	0027	Thu	10-mins net: JATD	CW	(JPL-J)
UM10	3629	29-9	1326	Thu	10-mins net: SDXL	CW	(JPL-Sib)
UM10	3542	29-9	1524	Thu	10-mins net: HDNA	CW	(JPL-Sib)
UM10	3629	29-9	1527	Thu	10-mins net: SDXL	CW	(JPL-Sib)
UM10	3629	29-9	1850	Thu	10-mins net: SDXL	CW	(JPL-Sib)
UM10	3542	29-9	1853	Thu	10-mins net: HDNA	CW	(JPL-Sib)
UM10	3629	29-9	2026	Thu	10-mins net: SDXL	CW	(JPL-Sib)
UM10	3542	29-9	2027	Thu	10-mins net: HDNA	CW	(JPL-Sib)
UM10	3542	30-9	1622	Fri	10-mins net: HDNA //4116 kHz	CW	(JPL-J)
UM10	4116	30-9	1622	Fri	10-mins net: HDNA //3542 kHz	CW	(JPL-J)
UM10	3258	30-9	1755	Fri	10-mins net: SDXL //3629 kHz	CW	(JPL-J)
UM10	3629	30-9	1755	Fri	10-mins net: SDXL //3258 kHz	CW	(JPL-J)
UM10	3258	30-9	2050	Fri	10-mins net: SDXL //3629 kHz	CW	(JPL-J)
UM10	3629	30-9	2050	Fri	10-mins net: SDXL //3258 kHz	CW	(JPL-J)
UM10	3542	30-9	2152	Fri	10-mins net: HDNA //4116 kHz	CW	(JPL-J)
UM10	4116	30-9	2152	Fri	10-mins net: HDNA //3542 kHz	CW	(JPL-J)
V07	16037	18-9	0300	Sun	661 661 661 1 ...	USB	(Dan/HFD)
V07	14637	18-9	0320	Sun	661 661 661 1 ...	USB	(Dan/HFD)
V07	12137	18-9	0340	Sun	661 661 661 1 ...	USB	(Dan/HFD)
V07	16037	25-9	0300	Sun	661 661 661 000	USB	(Dan)
V07	14637	25-9	0320	Sun	661 661 661 000	USB	(Dan)
V13	15250	19-9	0500	Mon	New Star Broadcasting #4	AM	(AB-HK)
V13	15250	19-9	0600	Mon	New Star Broadcasting #4	AM	(AB-HK)
V13	15250	21-9	0500	Wed	New Star Broadcasting #4	AM	(AB-HK)
V13	15250	21-9	0600	Wed	New Star Broadcasting #4	AM	(AB-HK)
V13	15250	24-9	0500	Sat	New Star Broadcasting #4	AM	(AB-HK)
V13	15250	24-9	0600	Sat	New Star Broadcasting #4	AM	(AB-HK)
V15	3250	15-9	1615	Thu	Song followed by messages in Korean (see N&O 228) 3250//3320//6400 kHz	AM	(qsr711/PW2)
V15	3320	15-9	1615	Thu	Song followed by messages in Korean (see N&O 228) 3250//3320//6400 kHz	AM	(qsr711/PW2)
V15	6400	15-9	1615	Thu	Song followed by messages in Korean (see N&O 228) 3250//3320//6400 kHz	AM	(qsr711/PW2)
V15	3250	29-9	1615	Thu	Song "gippeum-ui nolaeango hamkke galila" followed by messages in Korean on 3250//3320//6400 kHz	AM	(AB-J)
V15	3320	29-9	1615	Thu	Song "gippeum-ui nolaeango hamkke galila" followed by messages in Korean on 3250//3320//6400 kHz	AM	(AB-J)
V15	6400	29-9	1615	Thu	Song "gippeum-ui nolaeango hamkke galila" followed by messages in Korean on 3250//3320//6400 kHz	AM	(AB-J)
V26	8073	1-9	1132	Thu	Voice callup in Chinese. Male operator	USB	(JPL-HK)
V26	4243	1-9	1219	Thu	Messages in Chinese. Male operator //9054 kHz	USB	(JPL-HK)
V26	9054	1-9	1219	Thu	Messages in Chinese. Male operator //4243 kHz	USB	(JPL-HK)
V26	8073	2-9	0001	Fri	Voice callup in Chinese. Male operator	USB	(JPL-HK)
V26	8073	2-9	1131	Fri	Voice callup in Chinese. Male operator	USB	(JPL-HK)
V26	4243	2-9	1210	Fri	Message in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	2-9	1210	Fri	Message in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	8073	4-9	1131	Sun	Callup in Chinese. Male operator	USB	(JPL-HK)
V26	4243	4-9	1141	Sun	Callup in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	4-9	1141	Sun	Callup in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	8073	7-9	0023	Wed	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	8073	8-9	0021	Thu	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	8073	8-9	1130	Thu	Callup in Chinese. Male operator	USB	(JPL-HK)
V26	8073	10-9	0001	Sat	Callup, male operator	USB	(JPL-HK)
V26	4243	11-9	1206	Sun	Messages in Chinese //9054 kHz	USB	(JPL-HK)
V26	9054	11-9	1206	Sun	Messages in Chinese //4243 kHz	USB	(JPL-HK)
V26	8073	13-9	1131	Tue	Voice callup in Chinese. Male operator	USB	(JPL-HK)
V26	4243	13-9	1211	Tue	Messages in Chinese. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	13-9	1211	Tue	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	4342	13-9	2341	Tue	Voice callup in Chinese. Male operator //9054 kHz	USB	(JPL-HK)
V26	9054	13-9	2341	Tue	Voice callup in Chinese. Male operator //4243 kHz	USB	(JPL-HK)
V26	8073	14-9	0025	Wed	Messages in Chinese. Male operator	USB	(JPL-HK)

V26	8073	18-9	0024	Sun	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	4243	18-9	1201	Sun	Messages in Chinese. Female operator //9054	USB	(JPL-HK)
V26	9054	18-9	1201	Sun	Messages in Chinese. Female operator //4243 kHz	USB	(JPL-HK)
V26	9054	18-9	2340	Sun	Callup in Chinese. Male operator	USB	(JPL-HK)
V26	9054	18-9	2359	Sun	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	9054	20-9	1205	Tue	Messages in Chinese. Female operator	USB	(Dan)
V26	8073	22-9	0001	Thu	Callup. Male operator	USB	(JPL-HK)
V26	8073	22-9	0024	Thu	Messages in Chinese. Male operator	USB	(JPL-HK)
V26	8073	22-9	1130	Thu	Callup. Female operator	USB	(JPL-HK)
V26	8073	22-9	1206	Thu	Messages in Chinese. Female operator	USB	(JPL-HK)
V26	9054	22-9	2340	Thu	Callup. Female operator	USB	(JPL-HK)
V26	8073	23-9	0001	Fri	Callup. Male operator	USB	(JPL-HK)
V26	8073	27-9	1128	Tue	Callup. Male operator	USB	(JPL-HK)
V26	4243	27-9	1140	Tue	Callup. Female operator //9054 kHz	USB	(JPL-HK)
V26	9054	27-9	1140	Tue	Callup. Female operator //4243 kHz	USB	(JPL-HK)
V26	9054	28-9	0003	Wed	Messages in Chinese. Female operator	USB	(JPL-HK)
V26	8073	29-9	0020	Thu	Messages in Chinese. Male operators	USB	(JPL-HK)
V26	8073	30-9	1130	Fri	Callup in Chinese. Male operator	USB	(JPL-HK)
VC01	3537	18-9	1905	Sun	Chinese Robot	USB	(PW2-HK)
X06	10161	5-9	0647	Mon	Mazielka. Sequence: 156324 followed by 165324	MFSK	(AAI)
X06	13411	6-9	1001	Tue	165423	MFSK	(HFD)
X06	12100	13-9	1012	Tue	Mazielka. Sequence: 612534	MFSK	(Benka)
X06	11294	16-9	1120	Fri	Mazielka. Sequence: 123456	MFSK	(Benka)
X06	14863	30-9	1004	Fri	i.p.	MFSK	(ES)
X06	14863	30-9	1004	Fri	Mazielka. Sequence: 615243	MFSK	(ES)
X06b	16167	16-9	1819	Fri	Mazielka. Sequence 1--6-- before XPA2	MFSK	(Dan)
X06b	13923	16-9	1820	Fri	Mazielka. Sequence 1--6-- before XPA2	MFSK	(Dan)
X06b	16167	16-9	1821	Fri	Mazielka. Sequence 1--6-- before XPA2	MFSK	(Dan)
X06b	13923	16-9	1822	Fri	Mazielka. Sequence 1--6-- before XPA2	MFSK	(Dan)
X06b	14663	16-9	1824	Fri	Mazielka. Sequence 1--6-- before XPA2	MFSK	(Dan)
X06b	14663	16-9	1828	Fri	Mazielka. Sequence 1--6-- before XPA2	MFSK	(Dan)
X06b	10359	17-9	0540	Sat	Mazielka. Sequence 1--6-- before XPA	MFSK	(AB)
X06b	13538	20-9	1714	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	14538	20-9	1719	Tue	Mazielka. Sequence: 1--6-- before XPA2	MFSK	(Dan)
X06b	16147	25-9	1413	Sun	Mazielka. Sequence: 1--6--	MFSK	(Dan)
XM	6928	26-9	1825	Mon	Beacon V	CW	(chpa)
XPA	11576	1-9	1900	Thu	542 542 542 000 01194 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	10476	1-9	1920	Thu	542 542 542 000 01194 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	9276	1-9	1940	Thu	542 542 542 000 01194 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10359	3-9	0600	Sat	355 1 06610 00221 46447 ... 51488 46315 31531	MFSK-20/10Bd	(AB)
XPA	11559	3-9	0620	Sat	355 1 06610 00221 46447 ... 51488 46315 31531	MFSK-20/10Bd	(AB)
XPA	13559	3-9	0640	Sat	355 1 06610 00221 46447 ... 51488 46315 31531	MFSK-20/10Bd	(AB)
XPA	11576	6-9	1900	Tue	542 542 542 000 02429 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10476	6-9	1920	Tue	542 542 542 000 02429 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	9276	6-9	1940	Tue	542 542 542 000 02429 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10359	7-9	0600	Wed	355 355 355 000 05215 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	11559	7-9	0620	Wed	355 355 355 000 05215 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	13559	7-9	0640	Wed	355 355 355 000 05215 00001 00000 10140	MFSK-20/10Bd	(AB/HFD)
XPA	11576	8-9	1900	Thu	542 542 542 000 09599 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10476	8-9	1920	Thu	542 542 542 000 09599 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	9276	8-9	1940	Thu	542 542 542 000 09599 00001 00000 10140	MFSK-20/10Bd	(AB)

XPA	11576	13-9	1900	Tue	542 1 08283 00269 75549 ... 78657 31307 13044	MFSK-20/10Bd	(AB/Dan)
XPA	10476	13-9	1920	Tue	542 1 08283 00269 75549 ... 78657 31307 13044	MFSK-20/10Bd	(AB/Dan)
XPA	9276	13-9	1940	Tue	542 1 08283 00269 75549 ... 78657 31307 13044	MFSK-20/10Bd	(AB)
XPA	10359	17-9	0600	Sat	355 1 06287 00151 59765 ... 78849 19190 21560	MFSK-20/10Bd	(AB)
XPA	11559	17-9	0620	Sat	355 1 06287 00151 59765 ... 78849 19190 21560	MFSK-20/10Bd	(AB)
XPA	13559	17-9	0640	Sat	355 1 06287 00151 59765 ... 78849 19190 21560	MFSK-20/10Bd	(AB)
XPA	11576	20-9	1900	Tue	542 542 542 000 06935 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10476	20-9	1920	Tue	542 542 542 000 06935 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	9276	20-9	1940	Tue	542 542 542 000 06935 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	10359	21-9	0600	Wed	355 355 355 000 03239 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	11559	21-9	0620	Wed	355 355 355 000 03239 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13559	21-9	0640	Wed	355 355 355 000 03239 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	11576	22-9	1900	Thu	542 542 542 000 07422 00001 00000 10140	MFSK-20/10Bd	(AB/Dan)
XPA	10476	22-9	1920	Thu	542 542 542 000 07422 00001 00000 10140	MFSK-20/10Bd	(AB/Dan)
XPA	9276	22-9	1940	Thu	542 542 542 000 07422 00001 00000 10140	MFSK-20/10Bd	(AB/Dan)
XPA	10359	24-9	0600	Sat	355 355 355 000 09155 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	11559	24-9	0620	Sat	355 355 355 000 09155 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	13559	24-9	0640	Sat	355 355 355 000 09155 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA	11576	27-9	1900	Tue	542 542 542 000 01839 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
XPA	10476	27-9	1920	Tue	542 542 542 000 01839 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
XPA	9276	27-9	1940	Tue	542 542 542 000 01839 00001 00000 10140	MFSK-20/10Bd	(AB/MPJ)
XPA	10359	28-9	0600	Wed	355 1 01216 00179 37735 ... 64687 68402 24372	MFSK-20/10Bd	(AB)
XPA	11559	28-9	0620	Wed	355 1 01216 00179 37735 ... 64687 68402 24372	MFSK-20/10Bd	(AB)
XPA	13559	28-9	0640	Wed	355 1 01216 00179 37735 ... 64687 68402 24372	MFSK-20/10Bd	(AB)
XPA2	18629	2-9	0720	Fri	msg	MFSK-16/20Bd	(HFD)
XPA2	14947	2-9	1520	Fri	01572 00183 38963 70870 49751 ... 18444 80892 47744 56654 00224	MFSK-16/20Bd	(MPJ)
XPA2	14447	2-9	1540	Fri	01572 00183 38963 70870 49751 ... 18444 80892 47744 56654 00224	MFSK-16/20Bd	(MPJ)
XPA2	16167	2-9	1900	Fri	04391 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	14663	2-9	1920	Fri	04391 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	13923	2-9	1940	Fri	04391 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ)
XPA2	16147	4-9	1500	Sun	01572 00183 38963 70870 49751 ... 18444 80892 47744 56654 00224	MFSK-16/20Bd	(AB/HFD)
XPA2	14947	4-9	1520	Sun	01572 00183 38963 70870 49751 ... 18444 80892 47744 56654 00224	MFSK-16/20Bd	(AB/HFD)
XPA2	14447	4-9	1540	Sun	01572 00183 38963 70870 49751 ... 18444 80892 47744 56654 00224	MFSK-16/20Bd	(AB/HFD)

XPA2	14538	4-9	1800	Sun	08864 00093 78099 ... 07315 14071 75243	MFSK-16/20Bd	(AB/HFD)
XPA2	13538	4-9	1820	Sun	08864 00093 78099 ... 07315 14071 75243	MFSK-16/20Bd	(AB/HFD)
XPA2	12138	4-9	1840	Sun	08864 00093 78099 ... 07315 14071 75243	MFSK-16/20Bd	(AB/HFD)
XPA2	17429	6-9	0700	Tue	msg	MFSK-16/20Bd	(HFD)
XPA2	20129	6-9	0740	Tue	msg	MFSK-16/20Bd	(HFD)
XPA2	14538	6-9	1800	Tue	09949 00001 00000 10140	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	13538	6-9	1820	Tue	09949 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	12138	6-9	1840	Tue	09949 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	17429	9-9	0700	Fri	05731 00089 41480 73481 63880 ...	MFSK-16/20Bd	(AB)
XPA2	18629	9-9	0720	Fri	05731 00089 41480 73481 63880 ...	MFSK-16/20Bd	(AB)
XPA2	20129	9-9	0740	Fri	05731 00089 41480 73481 63880 ...	MFSK-16/20Bd	(AB)
XPA2	16167	9-9	1900	Fri	07397 00001 00000 10140	MFSK-16/20Bd	(Dan/HFD)
XPA2	14663	9-9	1920	Fri	07397 00001 00000 10140	MFSK-16/20Bd	(Dan/HFD)
XPA2	13923	9-9	1940	Fri	07397 00001 00000 10140	MFSK-16/20Bd	(HFD)
XPA2	16167	10-9	1900	Sat	09592 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	14663	10-9	1920	Sat	09592 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	13923	10-9	1940	Sat	09592 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	13923	10-9	1940	Sat	07397 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	16147	11-9	1500	Sun	01210 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	14947	11-9	1520	Sun	01210 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	14447	11-9	1540	Sun	01210 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	14538	11-9	1800	Sun	04438 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	13538	11-9	1820	Sun	04438 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	12138	11-9	1840	Sun	04438 00001 00000 10140	MFSK-16/20Bd	(Dan)
XPA2	14538	13-9	1800	Tue	06182 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	13538	13-9	1820	Tue	06182 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	13-9	1840	Tue	06182 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	16147	16-9	1500	Fri	04434 00097 86688 ... 61458 80442 21402	MFSK-16/20Bd	(AB)
XPA2	14947	16-9	1520	Fri	04434 00097 86688 ... 61458 80442 21402	MFSK-16/20Bd	(AB)
XPA2	14447	16-9	1540	Fri	04434 00097 86688 ... 61458 80442 21402	MFSK-16/20Bd	(AB)
XPA2	16167	16-9	1900	Fri	00114 00085 10629 ... 09872 06357 57155	MFSK-16/20Bd	(AB/Dan)
XPA2	14663	16-9	1920	Fri	00114 00085 10629 ... 09872 06357 57155	MFSK-16/20Bd	(AB/Dan)
XPA2	13923	16-9	1940	Fri	00114 00085 10629 ... 09872 06357 57155	MFSK-16/20Bd	(AB/Dan)

XPA2	16167	17-9	1900	Sat	00114 00085 10629 ... 09872 06357 57155	MFSK-16/20Bd	(AB/Dan)
XPA2	14663	17-9	1920	Sat	00114 00085 10629 ... 09872 06357 57155	MFSK-16/20Bd	(AB/Dan/RL)
XPA2	13923	17-9	1940	Sat	00114 00085 10629 ... 09872 06357 57155	MFSK-16/20Bd	(AB/Dan)
XPA2	16147	18-9	1500	Sun	04434 00097 86688 ... 61458 80442 21402	MFSK-16/20Bd	(AB)
XPA2	14947	18-9	1520	Sun	04434 00097 86688 ... 61458 80442 21402	MFSK-16/20Bd	(AB)
XPA2	14447	18-9	1540	Sun	04434 00097 86688 ... 61458 80442 21402	MFSK-16/20Bd	(AB)
XPA2	14538	18-9	1800	Sun	08612 00075 65897 ... 66361 91242 41325	MFSK-16/20Bd	(AB)
XPA2	13538	18-9	1820	Sun	08612 00075 65897 ... 66361 91242 41325	MFSK-16/20Bd	(AB)
XPA2	12138	18-9	1840	Sun	08612 00075 65897 ... 66361 91242 41325	MFSK-16/20Bd	(AB)
XPA2	13928	19-9	1300	Mon	00709 00218 87719 ... 95756 89300 45777	MFSK-16/20Bd	(Danix)
XPA2	12158	19-9	1310	Mon	00709 00218 87719 ... 95756 89300 45777	MFSK-16/20Bd	(Danix)
XPA2	10906	19-9	1320	Mon	00709 00218 87719 ... 95756 89300 45777	MFSK-16/20Bd	(Danix)
XPA2	14538	20-9	1800	Tue	08612 00075 65897 ... 66361 91242 41325	MFSK-16/20Bd	(AB/RL/Dan)
XPA2	13538	20-9	1820	Tue	08612 00075 65897 ... 66361 91242 41325	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	20-9	1840	Tue	08612 00075 65897 ... 66361 91242 41325	MFSK-16/20Bd	(AB/Dan)
XPA2	17429	23-9	0700	Fri	09265 00001 00000 10140	MFSK-16/20Bd	(AB/BvR)
XPA2	18629	23-9	0720	Fri	09265 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	20129	23-9	0740	Fri	09265 00001 00000 10140	MFSK-16/20Bd	(AB/BvR)
XPA2	16147	23-9	1500	Fri	04434 00097 86688 ... 61458 80442 21402	MFSK-16/20Bd	(AB)
XPA2	14947	23-9	1520	Fri	04434 00097 86688 ... 61458 80442 21402	MFSK-16/20Bd	(AB)
XPA2	14447	23-9	1540	Fri	04434 00097 86688 ... 61458 80442 21402	MFSK-16/20Bd	(AB)
XPA2	16167	23-9	1900	Fri	05367 00001 00000 10140	MFSK-16/20Bd	(AB/RL/Dan)
XPA2	14663	23-9	1920	Fri	05367 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	13923	23-9	1940	Fri	05367 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	16201	24-9	1010	Sat	00369 00241 13857 ... 88746 11089 00217	MFSK-16/20Bd	(Danix)
XPA2	14512	24-9	1020	Sat	00369 00241 13857 ... 88746 11089 00217	MFSK-16/20Bd	(Danix)
XPA2	16167	24-9	1900	Sat	09035 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	14663	24-9	1920	Sat	09035 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	13923	24-9	1940	Sat	09035 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	16201	25-9	1010	Sun	00871 00245 87719 ... 51720 18899 26022	MFSK-16/20Bd	(Danix)
XPA2	14512	25-9	1012	Sun	00871 00245 87719 ... 51720 18899 26022	MFSK-16/20Bd	(Danix)
XPA2	16147	25-9	1500	Sun	02386 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	14947	25-9	1520	Sun	02386 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)

XPA2	14447	25-9	1540	Sun	02386 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	14538	25-9	1800	Sun	08579 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	13538	25-9	1820	Sun	08579 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	12138	25-9	1840	Sun	08579 00001 00000 10140	MFSK-16/20Bd	(AB/Dan)
XPA2	14538	27-9	1800	Tue	07083 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	13538	27-9	1820	Tue	07083 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	12138	27-9	1840	Tue	07083 00001 00000 10140	MFSK-16/20Bd	(AB/MPJ/Dan)
XPA2	17429	30-9	0700	Fri	04033 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	18629	30-9	0720	Fri	04033 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	20129	30-9	0740	Fri	04033 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16147	30-9	1500	Fri	07223 00001 00000 00040	MFSK-16/20Bd	(AB)
XPA2	14947	30-9	1520	Fri	07223 00001 00000 00040	MFSK-16/20Bd	(AB)
XPA2	14447	30-9	1540	Fri	07223 00001 00000 00040	MFSK-16/20Bd	(AB)
XPA2	16167	30-9	1900	Fri	07245 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	14663	30-9	1920	Fri	07245 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	13923	30-9	1940	Fri	07245 00001 00000 10140	MFSK-16/20Bd	(AB)

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AB-ISR	Ary Boender via remote rx in Israel	JPL-HK	JPL via remote rx Hong Kong
AB-J	Ary Boender via remote rx Japan	JPL-J	JPL via remote rx Japan
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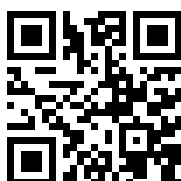
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