

27364	92836	69428	61268	74982	46498	32764	31276
40932	70987	32123	49817	26346	81287	65491	87364
75654	55656	12737	72727	72727	91918	63473	67867
87629	37677	32612	53498	71296	28756	18276	98716
76329	74698	76857	98670	27601	56701	57601	73648
87364	87265	96710	27630	12673	84769	28743	98127
63298	75698	27465	87326	49876	28376	81273	98615
87432	74328	78674	29867	32867	67867	86786	43286
68768	68763	34234	34238	68768	62342	48273	48768
98432	32432	86743	43286	43286	43286	43286	43286
86743	86743	39867	32867	86743	43286	43286	43243
86743	86743	86743	86743	86743	86743	86743	86743
98798	98754	98754	98754	98754	29867	67543	67986
87698	69876	87698	69876	87612	12341	34867	86798
43298	65656	56756	56123	32143	14321	32143	14321
58765	58765	58765	58765	58765	58765	58765	58765

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #283, April 2021

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

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

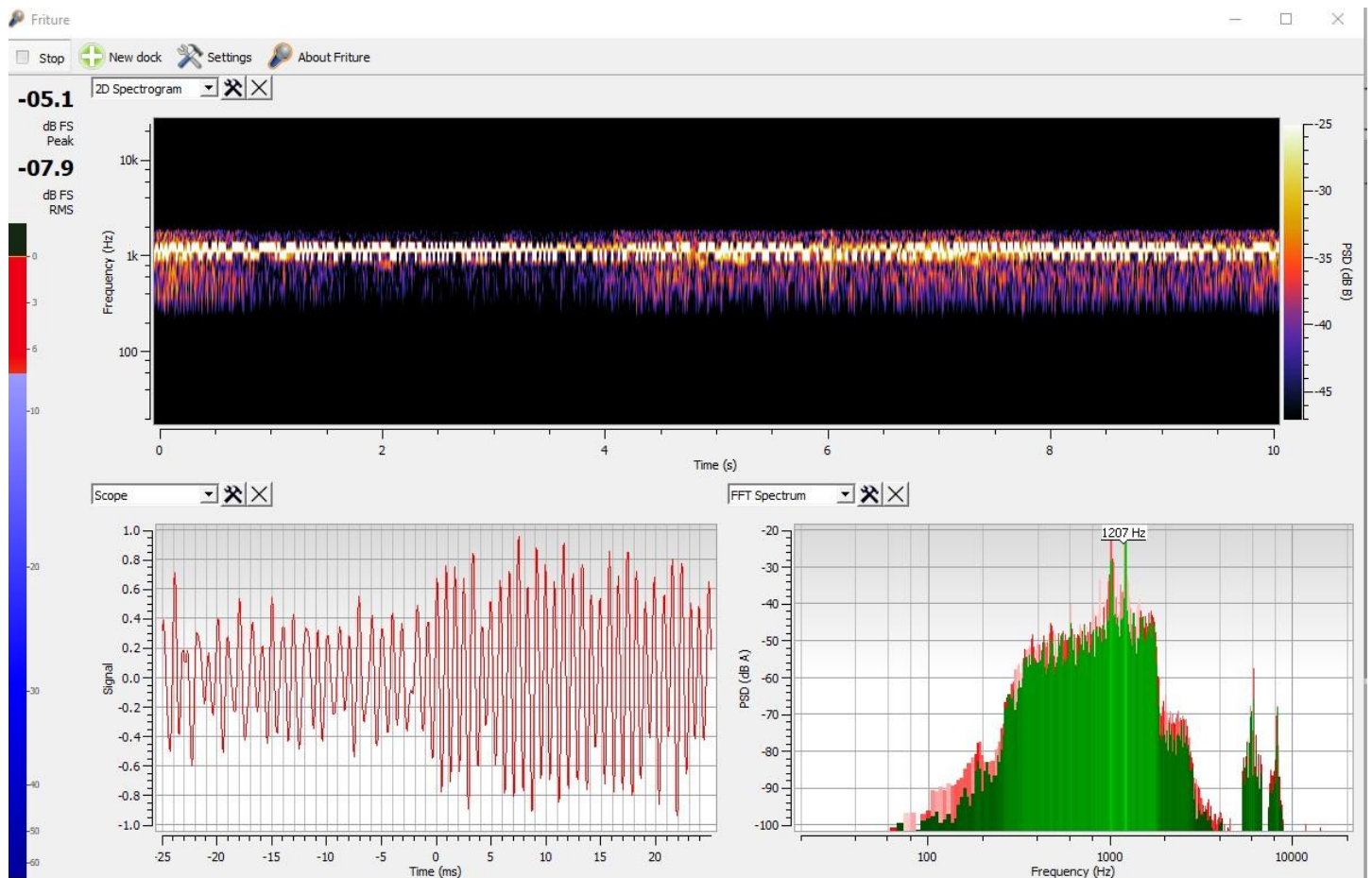
"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.



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FOREWORD

April in Holland was much too cold for the time of the year and COVID-restrictions are still partly in place, so that's not good. Like most people I cannot wait till it's finally over or at least manageable. I am glad that I have a nice hobby to get me going. I've been quite busy with other parts of the hobby lately, including weather sondes on VHF/UHF and some satellite stuff, which is nice too.

From mid-May till the end of June I have a lot on my plate and I will probably not be able to produce N&O #284 in the first week of June. It will probably be released later that month. We'll see. Just check the website regularly.

Besides the usual logs and transcripts, the Russian military section is filled with some interesting stuff including a lot of traffic from a large Russian Black Sea Fleet exercise copied by Gwraspe, who filled also most of the rest of this section.

Pierre sent us his extended Pacific reports, describing the M14, S06 and lots of F06 activity in the Pacific area. You can find the logs and transcripts in the various chapters.

HM01 sent new messages after weeks of repeats. PROMRÖ is still active and we still have no idea who or what it is. Any additional info is highly appreciated.

Till next time and keep safe !

VOICE STATIONS

E06

15645/17470 kHz, 01-04/02-04, 0500/0600 UTC

951 248 60
94072 89986 34523 17038 28675 06859 45891 47483 41802 41314
84060 76679 23977 55327 80661 46548 78637 10203 37791 20480
62265 60973 68778 30911 41017 33326 51544 89885 62304 75230
55503 67302 64746 00465 27932 66513 74942 66216 50751 51079
64497 51965 03654 08667 65735 31812 94520 37865 69547 57455
43053 19118 53804 94003 28575 92956 15771 75801 37922 44123
248 60 00000

13392 kHz, 08-04/09-04, 0400 UTC

361 702 31
12355 63533 61579 17213 20465 77503 68373 85007 74164 47669
67666 24485 90028 36461 44443 99703 59029 27142 31988 36922
86649 93088 02037 94120 34251 73418 86677 89220 53913 15903
36659
702 31 00000

15645 kHz, 16-04, 0500 UTC

17470 kHz, 15-04/16-04, 0600 UTC

951 407 62
73704 05956 11831 32861 64201 16306 01237 09849 07524 67062
38149 72097 17142 57590 54436 29083 66450 59131 02662 00453
12684 28148 91580 37178 21717 24068 43601 52643 42180 73609
85158 18265 02326 48874 05942 03358 28092 51402 47898 63917
05791 19364 09962 10028 37860 00090 79448 06559 65129 55120
26039 86856 54016 89955 19308 84112 72107 25709 55712 10089
00556 54836
407 62 00000

13392 kHz, 29-04/30-04, 0400 UTC

361 590 34
13006 32722 94632 05135 08892 41464 85985 05472 55290 31309
95836 14810 87069 38967 94639 94867 35055 04773 90087 89261
18088 01725 16097 87175 55109 64632 22276 89464 89440 80295
68576 00647 42466 24656
590 34 00000

E07

16331/15831/14831 kHz, 01-04/03-04, 1410/1430/1450 UTC

893 893 893 1 346 35 346 35
04002 82300 93998 58923 25794 51463 52972 35486 05450 94526
67237 08880 67902 93363 44232 09336 34489 05630 66698 05141
96336 19543 93341 00611 44282 50160 43456 62717 75638 27812
70332 25002 75311 73798 66781 000 000

17453/18453/19653 kHz, 06-04/09-04, 0700/0720/0740 UTC

446 446 446 1 7146 58 7146 58
58739 48612 24300 47087 32717 02213 0x458 41124 08843 70089
70773 85300 74480 42800 86330 59870 80323 51932 35734 64247
69776 89007 68690 30579 55849 08765 88928 38368 64475 71560
03320 97982 35174 89567 40264 92237 23049 16961 90528 81641
00278 75002 38643 68373 83937 13586 58609 32870 63026 97067
86950 78722 02348 76729 71282 66665 62864 22367 000 000

13417/12117/10717 kHz, 07-04/11-04, 1700/1720/1740 UTC

417 417 417 1 9514 73 9514 73
12201 18427 73163 25201 57572 86288 25149 82730 12947 70193
51785 76802 70792 60107 01687 45633 35679 13171 70969 03803
71991 74336 50670 90552 94430 13981 24871 79257 45937 26230
20110 23198 64372 60377 07169 97791 93830 64019 88915 73413
86192 90077 36719 66778 23353 66663 07921 79159 05520 09136
75007 72362 06481 06517 68400 87376 89569 28390 68221 90775
14030 94523 51330 91541 92964 60987 41312 24884 60173 74754
65719 49724 99729 000 000

16331/15831/14831 kHz, 15-04/17-04, 1410/1430/1450 UTC

893 893 893 1 1996 35 1996 35
82381 26087 66652 15887 76795 44151 37778 37523 85356 68972
16806 81686 72877 40336 28866 25545 65947 49615 42697 30309
41779 79513 66622 56389 85718 24767 37060 48030 61813 36589
16230 72092 05333 06231 13061 000 000

13417/12117/10717 kHz, 21-04/25-04, 1700/1720/1740 UTC

417 417 417 1 290 81 290 81
80442 24828 88089 72207 63841 77831 43752 07172 36071 70229
99272 73127 62246 73603 67114 99128 81624 55176 21974 76220
97784 39566 25725 59611 24336 61688 34896 64127 86037 56149
13622 38591 78380 67759 11693 88124 68766 47691 75108 81401
43561 66953 17168 46418 94019 62481 46533 60240 09683 55859
56338 18207 40087 39619 33046 19225 88305 33459 25822 02041
89576 22323 51397 54190 76387 27831 22679 01368 14172 44565
71679 21551 26332 83408 10589 06743 77884 81149 50303 48478
49922 000 000

17453/18453/19653 kHz, 23-04, 0700/0720/0740 UTC

446 446 446 1 5557 58 5557 58
64690 19766 05706 06771 85618 31413 42554 90883 76541 27143
27392 32157 69696 54410 54516 93831 77846 79480 82494 70217
34593 48032 84427 74890 60499 48841 57224 98915 00325 25771
06519 66017 26132 51960 90980 05137 96838 63456 76103 91505
68808 30496 17568 54547 99655 94471 08141 40928 78112 79219
62926 72653 00798 81656 36750 10525 71187 06252 000 000

16331/15831/14831 kHz, 29-04, 1410/1430/1450 UTC

893 893 893 1 8629 117 8629 117
80108 33075 53392 01303 21086 36399 68048 68425 74729 69300
30492 86749 56211 33785 21946 37271 65965 01581 12674 83019
71334 46471 62234 88686 13736 53478 11868 32409 75431 20872
72012 89390 55155 28779 10862 94741 74878 72387 05468 41411
81680 26355 82626 26875 22926 76909 66455 17416 05744 26360
86166 94446 54018 15542 39832 66028 92198 11067 66066 68682
22598 34158 44362 67733 16941 54765 63029 69164 09897 93436
93298 89966 67263 85605 36449 80577 23849 73957 96825 25435
54791 17792 83865 11055 23691 66818 90092 69342 69389 01903
56204 69629 74120 81840 55850 61431 07085 14323 74358 41952
51509 63308 06614 61564 15327 94897 84404 37828 27452 71076
50430 12550 29137 41086 82318 25001 21207 000 000

E11a

5779 kHz, 02-04, 0435 UTC

358/38 Attention
15873 70611 80265 54811 91200 84018 34625 59302 47904 46007
55557 78669 17352 76083 48132 88001 91346 70835 84590 93260
96339 37872 09973 91805 88222 09210 15467 62443 39640 65618
16074 43863 82549 17366 86430 04960 39345 27864
Attention (message repeated) Out

8530 kHz, 02-04/04-04, 1910 UTC

613/34 Attention
32877 42387 53943 93468 41516 13845 71809 69387 48709 99542
70797 86875 23245 78722 71426 25622 82843 42327 94682 42860
88565 47297 24849 63866 20677 45539 21478 57275 70034 68193
13823 61041 87987 57630
Attention (message repeated) Out

4505 kHz, 03-04/04-04, 1530 UTC

364/31 Attention
36447 01817 76057 37547 04504 00251 05158 27482 61035 25310
63737 24392 39703 05518 90236 28489 67404 21444 22813 46804
13400 81656 62673 90671 74064 21521 64144 78871 44375 39246
24357
Attention (message repeated) Out

7317 kHz, 05-04/08-04, 1900 UTC

648/31 Attention
52917 70886 04769 70642 47476 85426 19127 88939 00467 66614
02368 01052 82157 14717 00576 00220 38728 65673 81371 75589
01463 79649 52540 65908 44560 11871 41942 91401 12734 80263
94087
Attention (message repeated) Out

14865 kHz, 06-04, 0745 UTC

227/38 Attention

14461 02222 31186 16018 80952 75388 29746 09771 21862 37648
43813 00114 80700 46289 97892 38014 98350 07028 02366 03537
67047 79671 49543 17396 72802 52072 16635 67409 01673 11944
62881 57093 12810 35976 88565 86538 56532 42898

Attention (message repeated) Out

12202 kHz, 06-04/08-04, 0845 UTC

151/32 Attention

41714 89456 36057 74518 36276 12104 54796 56229 30357 31379
92959 35556 19891 09844 95120 65019 51189 79766 46749 60226
60600 89314 07423 51337 17746 76130 87140 20621 42570 27456
51143 23231

Attention (message repeated) Out

14972 kHz, 06-04/10-04, 1345 UTC

917/32 Attention

64535 48123 29355 35266 31457 82422 44526 23329 72659 20313
54541 42824 02996 80026 51134 69634 80033 11906 67933 94436
95483 63376 01716 24046 24318 15216 24779 96950 97614 47657
24601 77923

Attention (message repeated) Out

6923 kHz, 06-04/07-04, 1205 UTC

465/35 Attention

68588 10708 48351 44691 05963 85361 05944 39780 32207 38443
82286 27264 90317 82298 92100 41341 55743 85094 95731 76091
60139 77742 28821 72463 18961 79993 96195 02495 11861 75146
42293 31760 90635 42770 27064

Attention (message repeated) Out

5941 kHz, 08-04/09-04, 0820 UTC

436/33 Attention

40064 09263 18622 68436 41992 07088 05846 64334 48312 92572
30977 19945 02127 06838 37440 20486 07283 53576 69044 13510
53739 83147 36755 00401 58957 94662 75023 28873 35587 64067
15647 17277 21976

Attention (message repeated) Out

8102 kHz, 10-04/11-04, 0710 UTC

491/40 Attention

54258 87313 66739 94504 71289 96596 63284 38918 93214 39597
02093 01355 76552 90187 44847 52045 94293 87136 10583 37778
68784 41663 14299 19394 97838 92404 74141 83377 07601 40247
11792 19488 37802 73604 27802 93060 88426 39030 69197 01285

Attention (message repeated) Out

11116 kHz, 11-04, 1650 UTC

927/38 Attention

68040 56551 68073 56800 40623 87065 80410 79497 77423 45766
53260 64143 52348 05017 93575 30168 72549 10641 91256 35002
24263 32071 25592 66787 66277 71927 72628 48247 99083 48718
08483 49564 12240 52409 25746 64035 67744 57631

Attention (message repeated) Out

10213 kHz, 12-04/15-04, 0745 UTC

260/32 Attention

58785 08874 21316 85306 15069 99858 76621 29174 10803 50977
93990 91780 24156 81907 69699 11426 22904 85276 26612 89237
06918 11125 65724 94434 78979 49353 44319 47296 02106 15014
11320 60549

Attention (message repeated) Out

8180 kHz, 12-04/14-04, 0900 UTC

534/39 Attention

48631 39297 80180 24555 63162 10400 95758 39355 77618 53699
93380 67041 94375 75699 28377 81914 28306 86769 82996 58117
27796 32038 96142 47611 76008 98691 85788 03628 90025 04896
01562 35891 80462 92609 60755 58559 78153 81130 95981

Attention (message repeated) Out

5371 kHz, 12-04/15-04, 1300 UTC

316/34 Attention

93921 42117 31273 86219 09326 32821 59279 67481 21540 00039
37694 02564 15614 16204 93836 13685 26926 80587 42941 24288
12030 16458 10473 86812 84842 03301 48594 37674 85012 00457
91001 34159 85368 24385

Attention (message repeated) Out

5737 kHz, 12-04/16-04, 1530 UTC

520/37 Attention

86188 08961 49217 51021 42592 17253 34760 27673 26372 13959
07038 69625 59809 35057 78873 18517 62305 38851 66992 32432
58610 14572 94647 85725 87056 14727 73389 13568 38672 27406
86555 66584 93387 53191 93592 53873 50397

Attention (message repeated) Out

9963 kHz, 13-04/16-04, 0715 UTC

636/33 Attention

50964 18524 96537 87885 25092 02208 64195 89903 65865 01793
72110 70743 70290 62360 52267 33214 81238 03469 91746 69767
29155 19273 23730 60516 42544 49721 76757 62609 21303 75127
59733 89462 69237

Attention (message repeated) Out

12530 kHz, 13-04/15-04, 1230 UTC

334/39 Attention

10383 41360 69825 42242 21673 51271 87649 07752 01758 35471
40649 13680 77585 36520 25886 16077 68763 31126 02159 61118
66148 31309 86314 29098 68695 90297 67866 89350 58968 30328
74525 63067 15651 93486 81064 21195 64701 00565 26628

Attention (message repeated) Out

5082 kHz, 13-05/18-04, 1605 UTC

231/32 Attention

92117 23278 62135 62402 27702 23994 78350 90057 68083 65932
90224 38036 61403 62613 38337 86296 24664 31843 30307 89209
69356 00448 43073 47023 00523 08038 14939 02152 42154 96148
78865 68964

Attention (message repeated) Out

17410 kHz, 14-04/16-04, 0745 UTC

346/37 Attention

90033 60511 51682 23675 16983 22682 85393 00631 13858 66965
73629 37675 48287 82887 44568 83928 94916 09858 30752 95459
55580 35097 43004 92183 87495 17591 03039 21087 26010 98657
69305 53230 60557 03721 15745 06900 26540

Attention (message repeated) Out

4181 kHz, 14-04/17-04, 1910 UTC

399/31 Attention

15057 25977 15206 78431 18104 51906 63650 06686 38501 25539
68559 57525 63885 55539 00925 10292 61039 63403 51485 70576
05770 42836 39181 69809 39739 73728 84336 25629 64235 61979
75701

Attention (message repeated) Out

5371 kHz, 19-04, 0450 UTC

7864 kHz, 22-04, 1730 UTC

410/34 Attention

53849 72287 54703 24853 30385 47377 53534 85064 52261 17165
96839 51662 90540 18330 54996 88501 93334 08264 03609 19444
52513 84742 93806 29078 49117 60757 27671 12882 68501 34435
10887 24361 43430 60874

Attention (message repeated) Out

12153 kHz, 19-04/23-04, 0830 UTC

183/30 Attention

15786 35931 47473 05442 47225 16462 05542 18769 20894 56323
38863 04227 02025 04290 72161 07577 82930 14905 56853 90888
76443 92349 01878 81871 47151 39157 16302 65430 62431 26104

Attention (message repeated) Out

12202 kHz, 19-04/21-04, 0845 UTC

715/34 Attention

53454 45403 11653 75745 33393 54404 02222 08109 25395 80852
79136 54041 93863 71757 70897 71140 56903 74713 81960 22052
84195 95807 54780 18524 20727 75413 94707 86949 64346 57761
48988 72095 94989 69216

Attention (message repeated) Out

7317 kHz, 19-04/21-04, 1045 UTC

691/23 Attention

55941 87745 90712 98588 00165 71561 72039 36194 88490 79809
73154 42180 93600 41146 77688 19735 22867 93462 03973 16237
88008 59458 84702

Attention (message repeated) Out

13470 kHz, 19-04/25-04, 1745 UTC

247/36 Attention

58247 04605 19549 85298 53336 24508 91470 60001 90283 20571
79283 60000 38642 59140 74046 09330 01126 16149 11066 83124
55779 11849 87882 72496 61469 52340 90673 09429 66444 55012
00177 77315 08702 53627 04864 55431

Attention (message repeated) Out

8423 kHz, 20-04/22-04, 0645UTC

510/40 Attention

40636 37152 77933 83329 64624 40628 65868 78056 51809 34417
30239 41924 51259 55556 07145 68729 05941 15369 73458 81940
43043 53794 54830 97544 31089 74555 04198 36567 01817 72949
60958 17550 94271 17914 60800 73995 31202 00056 38891 63211

Attention (message repeated) Out

19184 kHz, 21-04, 0820 UTC

133/38 Attention

80493 93388 76891 43588 79610 07354 05662 62585 74919 54153
20251 62817 95093 57778 53801 05079 58000 15376 28205 29912
67309 48986 17739 47877 87450 48798 58774 42960 92317 29268
36269 81300 40709 07879 39003 25780 93329 44941

Attention (message repeated) Out

8180 kHz, 23-04, 0700 UTC

573/33 Attention

66424 47625 20703 81207 04880 74074 56327 38504 84538 67348
90262 28038 70579 80071 15764 49761 80588 29807 74513 00203
03245 96662 81107 87846 07811 95689 26153 66870 14578 84375
33934 94843 95206

Attention (message repeated) Out

12153 kHz, 26-04/28-04, 0640 UTC

946/39 Attention

99931 29324 24593 57390 02988 65692 62479 83844 97161 79221
 90250 84847 73399 29473 84141 15036 62015 22271 92293 88904
 77634 75071 58130 58791 66530 21753 13055 05446 43938 40649
 12444 23611 13920 94752 62283 83163 43161 37817 27159

Attention (message repeated) Out

7317 kHz, 27-04/30-04, 1000 UTC

302/34 Attention

54843 36424 13257 44021 19903 13348 48172 07372 58514 08575
 82360 40700 56894 96840 04977 81987 94460 52726 96871 00638
 20559 36164 75222 86815 51575 67097 75485 07712 11425 90648
 28591 16084 38929 32785

Attention (message repeated) Out

6940 kHz, 28-04/29-04, 0930 UTC

276/36 Attention

59109 80005 38200 59836 78600 49225 45847 96833 32623 50092
 54102 62683 61720 56435 63918 35942 86924 22627 30674 46717
 13676 15134 25395 65438 76775 97409 58927 79252 34000 77076
 97909 77113 67794 58449 58623 77141

Attention (message repeated) Out

E17z**14260/12930 kHz, 01-04/08-04, 0800/0810 UTC**

217 954 6 13621 26252 82057 44817 89106 34937 954 6 00000

14260/12930 kHz, 15-04/22-04, 0800/0810 UTC

217 804 5 20205 64336 95534 08446 87636 804 5 00000

14260/12930 kHz, 29-04, 0800/0810 UTC

217 217 217 00000

S06**11487/9412 kHz, 03-04, 1300/1330 UTC****13945/11128 kHz, 04-04, 0930/1000 UTC**

480 379 41

67421 97700 61483 28452 43208 78646 87173 43262 04309 72604
 46472 76509 47464 91755 34140 31170 87099 87476 50135 80378
 36926 77384 32258 43795 81190 22191 26184 16869 81013 09636
 72604 93390 46472 76509 47464 91755 34140 31170 87099 87476
 80378

379 41 00000

11487/9412 kHz, 10-04, 1300/1330 UTC**13945/11128 kHz, 11-04, 0930/1000 UTC**

480 156 42

73746 95785 34200 61430 27548 96964 43742 38222 82233 19822
 00621 22894 94543 02359 17202 33903 47724 14863 70931 67461
 57923 15689 38290 64137 99288 71561 84703 48826 40681 18838
 50440 33147 78759 64791 17214 63791 24926 19009 37644 43254
 06973 93248

156 42 00000

19078/16318 kHz, 15-04, 0830/0930 UTC

842 907 31
15386 27007 51887 90194 76271 29475 85210 15510 65394 33041
18866 93304 63742 31441 89292 19508 64840 35173 92119 62972
71287 25445 95666 51695 20134 47284 50238 38051 52515 77742
72905
907 31 00000

11487/9412 kHz, 17-04, 1300/1330 UTC

13945/11128 kHz, 18-04, 0930/1000 UTC

480 972 43
99625 71339 69531 12708 92028 19160 26665 57696 44576 21605
38872 29052 63405 35848 23128 89060 02032 01790 18411 66539
89817 46338 63102 37871 29829 19860 90023 39302 58963 10418
46472 76509 47464 91755 34140 31170 87099 87476 74804 95315
02521 55044 77254
972 43 00000

11487/9412 kHz, 24-04, 1300/1330 UTC

13945/11128 kHz, 25-04, 0930/1000 UTC

480 136 44
61188 95389 50048 29275 46166 33523 55941 82452 21222 19101
00621 22894 94543 02359 17202 33903 47724 14863 70931 67461
57923 15689 38290 64137 05660 12561 99127 26660 43262 00411
73746 95785 34200 61430 27548 96964 43742 38222 82233 19822
44229 96640 58228 64164
136 44 00000

PACIFIC THEATRE logs

13993/10202 kHz, 23-04, 0300/0320 UTC

10202 kHz, 23-04, 0314 UTC H3E TX noise

10202 kHz, 23-04, 0317 UTC H3E descending Shepard-Risset glissando

10202 kHz, 23-04, 0318 UTC Back to TX noise

<https://priyom.org/media/257187/s06-10202usb-20210423-031709z-glissando-bylinkfanel.ogg>

105 234 50
30922 56008 11006 18822 71966 82627 58807 69909 80679 56930
05781 90983 61502 60470 31460 13470 15381 92100 75685 39478
42401 74871 41872 01885 60916 45458 12875 87394 41630 18283
40382 27279 80045 41548 93789 85487 55741 87335 79482 98796
51893 42986 66458 48705 33492 95928 79250 69754 07690 25162
234 50 00000

9322 kHz, 26-04, 0420 UTC. Id missed. probably 480

_____ 04 98591 93526 85605 32663
24445 06650 63383 46724 42380 43368 26627 83365 38545 43187
91687 93465 87913 58879 86947 16556 51299 85305 15696 88991
84967 51235 33963 26833 23788 78836 66722 00621 23849 40528
10908 44228 75496 67887 98695 64990 22704 92290 19466 47287
49744 21984 23901 66766 21070 85267 58644 57409 85364 94474
04971 98602 79683
973 63 00000

9322 kHz, 27-04, 0420 UTC

480 162 55
55772 48649 10800 98998 95214 17381 83447 64120 14892 09451
28916 00553 59985 3696_ __ 85 46_ 46 21505 33774 76168 116_ 2
_ 3371 59577 90188 19974 216_ __ 65144 35621 74859 33478 04445
02406 01501_ 6836 04715 84705 35640 10073 30_ 66 44213 58849
01642 01686 47368 03404 48294 54248 06201 75228 83535 49995
77467 68345 03615 75913 99784
162 55 00000

11616 kHz, 29-04, 0401 UTC. Late start.

9322 kHz, 29-04, 0420 UTC

480 631 56

47552 20075 04642 72132 32316 69074 68014 43271 71399 41483
15318 07545 38873 46010 56866 25390 56238 61728 20815 76520
91767 53499 24027 83014 19695 86712 39519 15317 93969 14781
57690 17082 16242 37825 23487 09808 02776 55984 96734 63197
79973 65804 27785 42162 63205 73115 65687 66447 98624 20861
61074 43772 72656 55301 90929 62453
631 56 00000

11616 kHz, 30-04, 0402 UTC. Late start. No 00000 outro

9322 kHz, 30-04, 0421 UTC. Late start.

480 927 62

06024 36381 73736 44524 24414 08046 44209 25532 12025 55721
14568 56658 61492 58080 30683 04834 70342 92091 99055 85835
08838 40974 70327 00605 95334 39749 10787 11512 71351 19322
66544 82000 93529 35046 50077 28043 84678 90685 03820 54855
11088 93735 20497 77300 78294 03022 24875 47421 62506 54526
46641 37539 19839 76366 39063 52359 40588 28886 23157 68513
40701 30760
927 62 00000

S06b (or S25 variant)

5783 kHz, 16-04, 1200 UTC (Preceeded by S06c)

936 936 936 66666 66666 66666

936 936 936 26832 26832 (R4)

11111 11111

26212 (R4)

11111 11111 11111 20676 20676 29702 29702 26729 26729 24653 24653 23471 23471 00000 00000

https://priyom.org/media/257110/s25-5783usb-20210416-1150_1200z-msg-bygwraspe.ogg

5783 kHz, 23-04, 0828 UTC, i.p.

26202 11111 55555 21376 20172 26797 25845 24765 00000

S06c

10153 kHz, 15-04, 0715 UTC 11004 (R4)

5783 kHz, 16-04, 1154 UTC 66936 (R1m30)

S06s

12140 kHz, 23-04, 0840 UTC

The carrier remained on the air after the 0830 UTC transmission, then an unscheduled repetition of 15 and 22 April.

172 469 5 07022 32734 34771 48591 47281 469 5 00000

S11a

6480 kHz, 05-04/09-04, 0915 UTC

483/33 Vnimaniye

66702 64626 49335 20024 87212 72909 62004 18030 05668 43722
87211 65966 87212 34077 02682 81753 98215 47744 67755 87166
85580 87125 01733 23082 85078 86405 54568 26508 84887 44075
54555 75200 65684

Vnimaniye (message repeated) Konets

11116 kHz, 12-04/14-04, 0510 UTC

659/38 Vnimanije

40014 09648 63053 60411 47523 74803 00075 23102 35672 70477
14012 23625 83684 95816 42478 90984 84394 25186 14512 07302
16089 22641 08075 88045 89971 38466 36963 61752 14846 79196
21968 82452 21031 53814 79069 00716 26633 03667

Vnimanije (message repeated) Konets

6433 kHz, 17-04/18-04, 0830 UTC

376/30 Vnimanije

45145 45572 79936 13951 96522 67166 80721 44814 59404 68179
93495 71945 13434 41324 19058 69370 01098 48636 79043 36681
50961 94039 62362 11851 17930 83493 42662 35065 63306 06321

Vnimanije (message repeated) Konets

8597 kHz, 19-04/22-04, 0700 UTC

477/34 Vnimanije

35399 60206 29888 73746 19347 03419 76896 30539 32524 53232
49895 97001 45217 23086 90811 94574 49572 72622 92374 36349
66096 83552 53843 08061 03737 62966 97490 47304 13132 95606
96567 79075 97546 64788

Vnimanije (message repeated)

10213 kHz, 21-04/24-04, 1850 UTC

282/37 Vnimanije

21971 57367 82405 52276 40282 18525 55861 67931 21505 55813
92479 60552 66188 58211 95677 47070 74469 45400 68816 19991
38174 87888 49720 14462 37557 14221 45412 83436 19418 50787
11853 04964 86697 92346 29830 58559 37946

Vnimanije (message repeated) Konets

8088 kHz, 27-04/30-04, 1020 UTC

426/37 Vnimanije

65780 19296 70228 13688 15643 87067 85363 75285 47813 10296
19202 65243 38042 95149 07401 89336 94167 97386 45602 95304
92816 67448 54534 75460 92200 74763 82362 67589 80022 87416
04678 98745 50968 76148 97229 43847 21620

Vnimanije (message repeated) Konets

V07**12218 kHz, 04-04/11-07, 0300 UTC**

254 254 254 1 6111 24 6111 24

14524 99169 88115 07015 79512 86412 81218 68851 14704 84414
04693 84338 53360 44281 73994 52971 96367 70700 91560 62211
48421 73107 20422 04811 000 000

12218/11518/10418 kHz, 25-04, 0300/0320/0340 UTC

254 254 254 1 3999 80 3999 80

64708 39694 59006 01989 82013 14506 69901 01142 27767 74097
97572 67817 56787 17269 36151 58508 19637 66706 67763 41171
20734 93462 08434 54203 07530 13425 49756 69287 89500 19581
13912 44480 61867 52543 93504 02028 77550 13256 83554 94350
05793 35624 93539 22609 20990 01424 31875 60482 20378 76442
98089 59996 68871 22612 81900 94272 77513 93041 90509 39815
76073 79972 98481 41429 59214 12704 49756 11727 32381 49487
05096 07387 84957 80069 82191 27665 15363 66615 05412 49601
000 000

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

7502 kHz, 14-04, 1300 UTC
9276 kHz, 15-04, 1200 UTC
7502 kHz, 15-04, 1300 UTC
7502 kHz, 15-04, 1330 UTC
7502 kHz, 18-04, 1300 UTC
7502 kHz, 18-04, 1330 UTC
9276 kHz, 22-04, 1200 UTC
9276 kHz, 26-04, 1200 UTC
15890 kHz, 26-04. 1200 UTC
9276 kHz, 29-04, 1200 UTC
15890 kHz, 29-04. 1200 UTC

MORSE STATIONS

MX

Reported beacons & markers

D:	4557.7	5153.7	7508.7		10871.7	13527.8		
P:	4557.8	5153.8	7508.8	8494.8	10871.8	13527.8		
S:	4557.9		7508.9	8494.9		13527.9	16331.9	
C:			7039.0			13528.0		
A:	4558.1	5154.1	7509.1	8495.1	10872.1	13528.1	16332.1	20048.1
F:			7039.2		10872.2		16332.2	
K:							16332.3	
M:		5154.4	7039.4	8494.4	10872.4	13528.4	16332.4	
L:	5156.8	8497.6						
V:	4031.0	4205.0						

M01

5475 kHz, 01-04, 1800 UTC

463 420 420 30 30 = =
15063 08858 16391 63729 64836 22958 52309 21921 35385 47635
71215 10949 29263 61669 98112 55407 03876 64317 91923 00442
46445 57014 41140 19944 98270 43347 41324 29512 30125 10797
420 420 30 30 000

5020 kHz, 01-04, 2000 UTC

463 270 270 30 30 = =
47845 03101 88757 20550 03948 14831 08379 02356 11930 72544
80839 05295 07675 24975 31973 45606 84382 03307 10926 93890
07697 14337 28127 74258 28570 22460 94187 92796 48588 15119
= = 270 270 30 30 000

6260 kHz, 03-04, 1500 UTC. Different repeat in red

463 345 345 30 30 = =
23213 52310 64890 67776 13570 86239 53299 96973 52613 29154
73292 59617 **59619** 54895 19307 15538 82062 11934 71487 04947 84189
11568 61651 27161 31918 73028 91497 02454 24159 54980 88257
= = 345 345 30 30 000

6510 kHz, 04-04, 0659 UTC. Transcript as sent. Errors in red

463 985 985 30 30 = =
99688 99688 **1478214 782** 87505 87505 58857 58857 **922285** 92285
238203 38203 38203 93201 93201 32299 32299 46439 46439 49899 49899
847411 84741 **84741** 40453 40453 40624 40624 37749 37749 54514 54514
14708 14708 69971 69971 42316 42316 73489 73489 71048 71048
68676 68676 94102 94102 64921 64921 98418 98418 59939 59939
62642 62642 21063 21063 **21063** 68465 68465 36252 36252 24447 24447
= = 985 985 30 30 000

5475 kHz, 06-04, 1800 UTC. Different repeat in red

463 362 362 30 30 = =
44256 89454 47362 07200 51092 25506 22399 26607 44593 64634
81023 52935 90120 85117 11689 83924 42110 23361 95899 28769
79383 41642 84163 17700 35789 **45789** 75845 47609 67504 98141 99522
= = 362 362 30 30 000

5475 kHz, 08-04, 1800 UTC, Group 24 was not repeated. No seperators

463 724 724 30 30
80866 84818 46433 58132 93979 69822 78947 01717 64815 56396
26607 03988 52542 14956 20453 41877 63019 96089 02632 71951
98262 33278 59451 82849 (1x) 81559 28652 05797 35196 50519 44818
724 724 30 30 000

5260 kHz, 10-04, 1500 UTC. Found i.p. Normally on 6260 kHz. Partly unreadable

..... 26882 75614 02343 49152 22243 75818 32693 unreadable xx818 43269 39026 16040 06097 10737 42255 49042 75643
26695 (26616392) 16392 56667 38119 55422 32200 03326
= = 517 517 30 30 000

6510 kHz, 11-04, 0658 UTC. Groups 2, 6, 14 were 3x sent. Errors in red

463 565 565 30 30 = =
16139 49772 61952 91563 **252** 25620 80546 38101 93869 10192 63709
51703 63297 99197 08378 82008 36545 62588 55622 18787 01187
124.7 12417 **878184** 87184 75531 93287 18730 38742 64692 53439 98489 82675
= = 565 565 30 30 000

5475 kHz, 13-04, 1800 UTC. Group 16 was not repeated

463 293 293 30 30 = =
03724 71743 33571 91725 53235 34795 31528 03509 91064 64876
57336 73290 26579 85694 43890 47266 43499 87658 46020 00970
84916 35989 51360 94121 97596 13452 01906 05457 55877 50275
= = 293 293 30 30 000

5475 kHz, 15-04, 1800 UTC

463 353 353 30 30 = =
41089 21355 67173 34600 07914 16755 20055 14121 33253 60602
01755 52948 40546 90697 06461 78520 35397 20331 21461 58062
79361 92967 58056 64667 45340 13297 98870 46647 76937 50492
= = 353 353 30 30 000

5020 kHz, 15-04, 2000 UTC

463 336 336 30 30
47548 04350 49130 90046 58621 30694 24802 87897 51663 58961
83258 67770 27952 87089 08660 95252 13480 44554 53124 54362
01451 00982 20072 64866 38092 00312 01854 16929 71738 10073
= = 336 336 30 30 000

6260 kHz, 17-04, 1500 UTC

463 444 444 30 30 = =
55937 46707 54083 67224 01669 12712 66857 26344 68000 93031
69989 38007 15683 01103 96837 53779 51892 17966 23155 72027
40665 59113 11132 06903 26544 33147 59323 99409 25113 60900
= = 444 444 30 30 000

6510 kHz, 18-04, 0658 UTC. Groups 19 and 20 were not repeated. Error in group 19

463 353 353 30 30 = =
49505 08205 33172 53547 05532 79823 36301 77369 31157 16229
50461 79631 88403 10065 16494 98437 55211 99291 **7851 01** 56656
51855 40855 57382 26915 60603 92809 60733 15360 23974 96136

5475 kHz, 20-04, 1800 UTC

463 529 529 30 30 = =
10113 18653 96745 58341 30961 75228 70774 99611 57383 66656
20494 05876 81072 46631 38391 84042 14634 10517 32860 19225
79393 43897 54673 57077 74004 23713 98810 07125 80976 45268
= = 529 529 30 30 000

5020 kHz, 20-04, 2000 UTC

463 571 571 30 30 = =
53383 76776 27443 07843 46702 23438 48201 14570 25504 34711
64755 36255 24348 55192 34970 12582 14440 48333 49473 77216
11166 22604 51384 96154 03661 31367 48725 81351 94633 25197
= = 571 571 30 30 000

5475 kHz, 22-04, 1800 UTC

463 318 318 30 30 = =
90251 91173 85044 54629 79489 09283 79854 72273 37272 64748
33173 37302 76311 82042 13161 58864 58114 08795 15494 87802
88560 72896 73681 47289 51387 09431 74159 66880 94856 21761
= = 318 318 30 30 000

5020 kHz, 22-04, 1958 UTC

463 337 337 30 30 = =
33876 97231 45596 76668 06222 53008 86015 68598 97766 54363
02783 93854 09178 67338 45005 17293 04868 80471 74732 87293
42090 30374 66142 10319 88429 96429 18171 22650 98281 32711
= = 337 337 30 30 000

6260 kHz, 24-04, 1500 UTC. Different repeat in red

463 811 811 30 30 = =
30445 90383 96383 33268 93439 08359 25110 50798 80795 63286
69659 24242 59637 97204 **97205** 39525 74524 96261 74426 15636 22658
58250 57279 77788 89976 10718 74348 58088 34493 89422 62802
= = 811 811 30 30 000

6510 kHz, 25-04, 0700 UTC. Error in red

463 824 824 30 30 = =
09000066 09066 58607 48094 42470 42775 54595 49652 45535 90208 60572
94681 61168 34804 74133 42460 13352 14529 67734 75908 85850
44199 00964 82674 16079 72791 07707 26397 14092 48837 57688
= = 824 824 30 30 000

5475 kHz, 27-04, 1800 UTC

463 192 192 30 30 = =
90095 91369 71626 41235 10750 18118 75045 90773 76955 55181
13502 88592 34399 08472 16138 13761 97804 71047 80014 30678
49639 90450 48424 91366 16240 50912 95419 23627 47184 77897
= = 192 192 30 30 000

5020 kHz, 27-04, 2000 UTC

463 163 163 30 30 = =
85520 32605 46690 07268 28192 46087 14750 76676 82211 87231
68188 89490 48245 26118 28654 05561 91233 62702 14028 54877
70787 24931 61577 88018 05486 94896 49845 80402 85636 64069
= = 163 163 30 30 000

5475 kHz, 29-04, 1800 UTC

463 834 834 30 30 = =
21932 27574 31143 83290 35533 12048 01274 90828 07339 00925
78056 93337 50982 13218 99805 00188 10264 77883 26702 94894
31318 34534 49404 70972 45694 00302 24329 30001 25946 64812
= = 834 834 30 30 000

5020 kHz, 29-04, 2000 UTC. Groups 18 and 19 wer not repeated. Errors in red

463 021 021 30 30 = =
16496 34559 48826 90240 81460 04340 20578 92592 48211 59267
78063 57202 59491 23514 72431 75162 80143 **45931431 56021 017015271** 70152
66960 56064 27326 10421 54284 25813 28473 26257 21327 **231327** 80105
= = 021 021 30 30 000

M01a

5431 kHz, 02-04, 1825 UTC, i.p. hand keyed various speeds

333 29489 29489
333 29489 29489
333 29489 29489

5431 kHz, 02-04, 1830 UTC

333 29257 29257
333 29257 29257
333 29257 29257
333 29257 29257
333 29257 29257
333 29257 29257

5431 kHz, 02-04, 18234UTC

217 217 217 333 29481 29481
217 217 217 333 29481 29481
217 217 217 333 29481 29481
217 217 217 333 29481 29481
217 217 217 333 29481 29481
217 217 217 333 29481 29481

5431 kHz, 02-04, 1839 UTC

217 217 217 333 19629 19629
217 217 217 000

5041 kHz, 09-04, 0806 UTC, i.p.

111 999
111 999 358 10 =
14230 86102 75423 45947 24851 71248 14230 43385 95148 29351
= 358 10
111 000

4860 kHz, 28-04, 0952 UTC, i.p.

851 851 851 20433 20433
851 851 851 20593 20593
333 02 111 999
511 10 =
75561 87978 88907 34245 74103 22154 85631 14230 86102 71248 =
511 10
111 000

10904/10204/9304 kHz, 01-04, 0700/0720/0740 UTC

923 923 923 1 129 40 129 40
24001 99363 63134 11764 13888 47735 59401 05711 11751 23610
15310 73842 12030 85042 10884 44125 23904 74024 49566 32638
96338 50666 65196 83710 05033 95163 12188 24101 08649 78465
17813 11056 99348 51392 94701 39038 55203 70858 13035 70707
000 000

12162/11566/10711 kHz, 01-04, 1700/1720/1740 UTC

546 546 546 46 1 9754 113 9754 113
57428 20428 45038 57602 52654 94310 00141 49685 07435 31707
52624 31879 86228 34513 50842 77300 86345 74808 30997 35241
95661 44197 57860 22860 95520 51978 14891 29620 22833 52285
16632 30366 25315 09947 26557 66294 29027 58477 26968 79782
53702 41065 67313 35130 15265 66970 79478 91992 38811 42725
28370 01056 71358 73634 15106 36050 38627 95678 81435 15233
16483 76216 30453 85088 27855 91854 84729 74880 22404 76806
64441 37924 58778 92255 46276 92808 22897 30315 94644 35715
54341 02771 08841 30795 89105 09722 45752 89376 03594 15231
37756 53281 04456 51212 46934 43154 47419 78196 56565 68029
02106 67411 21736 39369 69347 81377 62864 16442 04074 38192
24155 00888 28649 000 000

12162/11566/10711 kHz, 01-04, 1800/1820/1840 UTC

546 546 546 1 2612 105 2612 105
64432 08637 43635 92184 75939 29693 99340 18534 39077 67715
07244 15040 12797 50123 07741 84152 52442 26809 57032 01192
65484 39835 73414 98275 81127 37411 63236 97609 28542 22883
29344 43100 65619 31154 21282 95605 08588 79791 55693 71358
01231 07524 97140 79832 43248 65254 81124 95167 94552 84295
83024 79844 54075 75890 17152 97610 13395 50877 07712 54894
35284 01504 02643 21010 66120 40037 59776 60454 45837 80289
33688 74079 00238 04986 16566 18852 47133 23889 10754 32446
30417 77926 96455 29806 75095 19923 83398 33965 43619 55101
34478 89466 88788 62571 89241 48890 57809 48609 48297 66833
20492 41054 90560 09693 76577 000 000

14377/13461/12114 kHz, 01-04, 2000/2020/2040 UTC

317 317 317 1 3279 103 3279 103
60995 54612 78406 95985 60730 05973 60389 71591 07758 43080
83731 62595 05985 65509 89064 82146 75065 32973 45641 58991
97992 83082 31028 44222 45875 22559 03136 95146 91049 34366
05667 49149 57591 09768 83753 24381 89988 56462 04751 16139
47777 78134 95321 68606 44137 46241 52097 01101 64112 50434
39164 06402 15619 75440 56689 92901 41807 51347 46070 17925
96039 73275 76388 97643 52965 85888 12741 71500 29590 73190
41590 76370 15393 49871 81530 56068 53974 07744 17708 65655
74481 25284 05694 86553 72429 14553 00500 18152 45804 50850
09118 59280 80644 90583 94038 13484 05943 09424 16343 48454
53985 37050 33697 000 000

12139/11139/10239 kHz, 01-04, 2000/2020/2040 UTC

234 234 234 1 209 83 209 83
60303 26267 39927 87808 76241 00268 35439 50488 94045 81005
86633 93762 41846 25190 66483 14966 50951 01027 51807 36227
85786 88865 66724 50508 41677 45489 74344 02853 86409 87140
17819 72259 49903 47587 77794 91780 61066 11638 45569 23425
46244 54712 96361 14998 84551 78301 99110 92361 76743 36216
60608 76477 65012 24656 13115 63675 74098 20501 63887 08134
37072 62192 58324 72663 11072 19107 80472 86838 33193 27845
57325 67758 48293 51136 92863 01365 51447 86726 11695 19471
64609 12556 66006 000 000

7575/8175/9175 kHz, 02-04/03-04/09-04/10-04, 2100/2120/2140 UTC

511 511 511 1 179 126 179 126
62668 04851 53176 82070 04842 59850 83056 82108 74517 48281
15821 45664 71884 11147 95478 67071 83850 14864 22689 25744
32445 85897 20137 62131 84094 49690 09969 28617 87733 66679
96009 24104 92219 67805 76307 05503 30349 56089 59928 55749
24018 76220 23788 90410 12223 82124 88235 75524 35050 98646
23174 72562 80730 75958 08300 95548 95215 21775 73096 82363
96784 07047 12252 46495 06557 54786 32209 03543 40296 79277
19967 98682 55502 82838 29159 51227 51496 34598 83813 53319
09036 84757 88848 85329 22441 37869 22990 80792 28081 66388
36938 09375 98743 15143 85992 05229 26783 02292 47930 70583
50995 31175 56373 71898 75086 34651 50608 33180 73278 20402
59749 95188 74853 35943 97542 72003 04798 56147 61165 95387
23897 73531 23834 74887 70824 04617 000 000

14377/13461/12114 kHz, 05-04, 1300/1320/1340 UTC

317 317 317 1 7701 104 7701 104
83438 43691 89995 53567 76952 60771 94625 86079 75636 40648
47101 14902 46971 42637 93879 10688 54286 12513 46045 16812
14279 19319 18116 03009 16502 22327 51456 11495 28412 54885
85710 59246 85144 93555 88157 22486 74579 93251 18026 67062
29326 94247 25478 40445 51033 08990 52754 81300 51889 64231
62506 08985 04331 07920 26340 43237 66574 37783 91549 08469
94939 98092 76619 49698 30080 11940 69547 16284 46766 35455
12485 94127 79595 80138 86753 62426 67399 44798 65006 50807
34067 44859 60851 95691 32241 36787 54343 17724 05291 66497
94884 02654 87073 26329 28341 70225 61807 15503 90186 35468
02294 10466 90307 68901 000 000

6854/8154/9354 kHz, 06-04, 0030/0050/0110 UTC

813 813 813 1 2320 121 2320 121
83685 75644 42170 08348 10616 93077 98205 47992 92271 03579
51260 37935 88093 64306 21460 61282 97560 86654 0069_ ____9
04900 09373 73150 87976 50221 76258 20682 08146 08815 65195
39573 81473 33572 91670 11905 95590 34272 99630 85354 25797
04482 11891 92360 94750 43665 81762 30987 90106 14192 92884
63058 98805 99019 98188 86600 26777 60432 83701 05809 95879
62048 78699 27200 67906 38731 20428 68703 66473 38685 07236
45701 30991 21325 21670 09664 56346 94121 95376 97340 80282
61114 88364 11372 73725 53193 37458 16630 72639 28091 26831
77823 08509 91494 40793 96764 99815 01035 30936 42050 56566
43697 99538 61114 98744 07233 49523 41937 25720 42620 31492
88505 90657 17243 86272 84069 26379 06705 41097 16940 10932
67765 000 000

9317/10484/11552 kHz, 06-04, 0530/0550/0610 UTC

135 135 135 1 7796 113 7796 113
39840 02711 03271 32585 79414 49540 32700 95698 64847 69006
54922 35696 17318 86161 75508 21048 49474 82586 48637 90769
98388 99939 25212 12669 61297 89229 24458 56685 92194 96405
74062 85319 96647 80726 56710 39357 24272 73829 92486 25715
89239 06959 92737 44919 42526 21957 72199 32871 14220 75111
86521 54967 97371 60834 26207 90219 79839 16983 93101 40514
67769 14541 51779 09070 01905 94283 85073 01147 70467 75301
50713 47710 71712 01949 87592 07328 30267 77948 24040 52337
66903 75783 73436 69135 21556 37097 73952 71130 20101 89774
51084 40439 04816 34919 48732 20447 40341 53107 66730 82947
49689 73651 46965 91390 03933 70434 00972 44554 16582 97170
68036 10241 69311 000 000

10904/10204/9304 kHz, 06-04/08-04, 0700/0720/0740 UTC

923 923 923 1 9664 128 9664 128
39818 64538 02211 09956 90066 97412 38168 08167 39674 51375
56532 08581 06595 18403 75479 79571 61683 17162 81260 61907
51620 27220 96375 52443 81385 51196 01275 44525 65234 82104
53988 24703 69686 27947 15957 01039 75332 85250 79877 67742
35519 44034 98028 11516 98895 44055 59884 44274 93328 37777
67525 77446 85229 51373 35996 92311 03852 22842 00613 81433
44872 66038 95872 43418 99006 54369 66626 86918 63156 23733
97144 94056 90548 03472 68726 20521 14838 73873 11723 68471
73660 53177 52849 81196 34305 62371 22292 58413 50410 30922
91767 61941 87874 14836 48886 21331 06192 17090 69414 29598
62876 00185 27168 09578 43618 77844 79793 55579 30952 25362
77347 68262 55045 02766 80226 27228 89088 69714 01288 23086
19613 75163 45112 86997 24020 21501 02130 42698 000 000

14377/13461/12114 kHz, 06-04, 1200/1220/1240 UTC

317 317 317 1 1424 95 1424 95
80744 47741 02505 91599 25502 23339 51201 08515 52043 98024
26508 24721 13445 90485 16444 95172 32187 96128 51393 18583
93173 51068 73097 82576 28199 03402 09333 00341 75541 20315
93811 01173 27037 79757 78058 73787 99353 71123 89618 05163
23847 02233 74304 33490 58518 82978 21044 60983 49886 45575
60267 38658 73551 53857 24665 60753 36111 19361 84305 13260
17092 13511 30125 11339 69149 80613 27041 56299 83157 73144
90964 15694 17478 50609 49431 37662 49164 27400 00248 09462
76159 05540 49969 15736 75608 46940 33945 88574 61996 10557
41004 10164 36147 09511 39999 000 000

16321/15821/14721 kHz, 07-04/11-04, 1600/1620/1640 UTC

387 387 387 1 5597 91 5597 91
16759 35239 86066 28519 63502 46109 81933 64585 13559 89895
40574 46770 67230 03386 91380 49481 48058 33921 92244 85319
63819 92482 95563 53679 53868 59106 88713 22808 66341 54717
64946 33514 45306 50593 22283 62644 88744 04204 67009 53045
95279 00739 52376 65158 97136 09130 57707 91146 77354 68025
91906 96011 65487 97082 36234 91473 42801 68620 09217 57525
24825 89623 61499 59183 52107 11714 30131 64164 51339 90590
24301 28079 05440 80998 98317 90519 51142 69832 67313 24518
26517 23239 42637 67429 77052 09568 36893 00402 05446 41901
97011 000 000

12162/11566/10711 kHz, 07-04, 1710/1730/1750 UTC

546 546 546 1 8860 112 8860 112
03544 69398 01159 44619 63757 85702 02684 53378 68275 92418
80172 76976 01277 74213 11833 80908 51523 01967 93617 45507
49277 72834 67990 96047 65644 75659 25933 68855 82510 14607
85020 93839 25341 08554 18589 49432 38661 75634 30453 39100
38166 90235 08406 38534 51211 13956 48439 47911 72373 55499
44865 26955 60661 13101 69317 27576 58952 00887 87464 66762
14382 50692 41289 81040 15333 94770 60854 04137 03852 65665
55250 61053 02986 32648 49770 86706 38115 07358 93696 74099
48171 57552 03989 21825 59169 03803 35812 56390 22737 54793
56833 46581 29428 44764 68822 31883 55877 77587 80587 37542
06056 77500 38745 61741 79995 62049 55352 95200 91483 03021
19035 16090 000 000

12162/11566/10711 kHz, 08-04, 1700/1720/1740 UTC

546 546 546 1 7633 111 7633 111
38527 06954 30041 32251 75693 61767 37845 48635 06701 58946
07760 81690 99271 51586 46801 07577 82297 59237 31735 03095
42081 49759 06812 66205 69213 39540 77523 51472 61746 62608
40949 50948 54342 30677 51579 41746 12456 77128 42097 18323
65833 52254 32587 20775 59382 21598 68500 54124 15585 17115
00578 61910 09278 47472 89533 03530 59447 52823 34013 22800
42497 15248 36604 15802 29248 39390 85536 35465 90330 78972
73878 49013 21230 70341 50142 15830 59673 46741 35333 77032
64556 61346 91607 25595 03827 07814 45404 04007 33282 28260
22081 36286 83201 36556 84422 70004 15202 24691 41248 91268
62692 78764 25235 31189 99641 62932 68318 88284 36058 89895
89469 000 000

12162/11566/10711 kHz, 08-04, 1800/1820/1840 UTC

546 546 546 1 9994 110 9994 110
28026 79420 43334 18168 10560 11845 73690 60859 80380 79228
96164 12324 51972 16328 00660 16752 29665 11958 37504 70669
05937 90563 55792 55320 97844 34522 09061 69285 16212 79678
17459 37594 54232 55176 63568 35616 48741 35568 84239 73887
27811 81766 71339 76829 00587 20161 96743 69622 17800 70942
05596 21939 80056 13992 79507 31580 11740 41880 50234 16339
41915 00513 16138 63641 04197 67265 68186 92599 36659 89947
89819 90938 38866 24278 47748 47599 77787 79986 92205 57086
36263 02435 24040 60089 34308 15682 67735 15047 45534 42709
56293 92182 55518 47699 10604 78063 97697 04705 83212 80449
75818 49155 01443 79648 00630 77485 74576 39502 03145 69884
000 000

14377/13461/12114 kHz, 08-04, 2000/2020/2040 UTC

317 317 317 1 6779 107 6779 107
76202 78803 53001 33150 02374 44437 72744 30617 01016 64533
14955 53467 24435 26658 37079 81117 08006 33289 95934 56754
07049 33157 31387 44472 93758 87733 14677 28512 91716 81050
12024 70461 66815 84615 58342 75690 66122 84320 13996 33567
35994 29507 14555 94586 40413 19388 30916 07280 98349 78346
98792 21852 26613 04394 22787 67916 36829 53083 88657 22108
34493 61826 52699 67428 73455 36104 35832 81982 44728 62651
58920 99939 09872 93271 58594 36269 19689 56633 82581 45999
39946 62077 37348 13087 36932 23679 76375 20122 25950 19000
15126 79523 35289 73595 01754 77330 32667 24108 24989 63063
73140 07579 95219 09616 22503 51957 46702 000 000

11012/10212/9312 kHz, 10-04. 2210/2230/2250 UTC

923 923 923 1 4967 66 4967 66
73876 85130 73307 99204 08647 43071 90461 88354 36093 30386
64062 24418 82533 09326 54177 08880 08364 94789 58045 09330
48661 59899 09357 31178 33368 70510 71461 65215 17309 84279
58694 22776 24614 39245 53121 33557 03787 34486 81995 27468
13472 54005 23593 70964 91162 14952 79386 93159 67749 75684
39332 49605 28404 05242 39999 72513 43362 41952 37740 93562
69468 84280 18069 28295 58928 68273 000 000

14377/13461/12114 kHz, 12-04, 1300/1320/1340 UTC

317 317 317 1 7825 99 7825 99
03730 05132 05845 86487 27927 17136 72658 09765 45519 81944
17051 24559 33874 79355 98833 61729 97785 02036 53262 07862
98395 28625 07269 56924 58999 56113 83000 14832 15885 80676
38527 09400 67596 76257 18602 99030 40349 07839 20826 49928
28095 52507 08095 63196 98965 00338 90857 60483 82859 40870
08968 49344 58117 00429 59268 69360 01637 00163 76938 91688
35584 16382 46634 32736 98791 90878 53587 56796 46348 19594
73219 58664 07596 10868 74772 24200 04931 10391 79145 61387
00806 25586 05554 58284 07941 83315 10430 96868 65521 13509
88536 30398 82324 90154 99508 51639 48217 25077 82979 000 000

12139/11139/10239 kHz, 12-04/15-04, 2000/2020/2040 UTC

234 234 234 1 9550 54 9550 54
45224 48701 48916 22457 18651 02334 07825 73666 67734 49172
14639 40155 64001 83692 02760 61902 48099 12784 65008 14334
38697 44138 73798 76127 36726 05859 88900 43671 21291 17080
75683 29289 44789 76951 62614 47524 43007 88671 99738 06466
02631 11621 76037 08649 13728 51542 18473 41939 70199 12707
54928 88003 18949 76594 000 000

9317/10484/11552 kHz, 13-04, 0530/0550/0610 UTC

135 135 135 1 2949 112 2949 112
90459 23908 93540 44083 10388 39783 63223 18802 35881 70091
98536 97665 36171 50309 56950 61561 28764 87954 32149 64166
67005 29930 72952 59423 70765 35463 10804 58601 88656 12614
79828 69342 74398 63807 72314 94293 09216 12628 64283 45669
84547 46678 17311 81137 47610 20470 47505 63841 56836 80175
23395 18434 41864 41354 53721 88242 29728 03643 89496 37182
66529 86177 35912 53684 05826 69857 06325 54529 32970 29261
01341 17363 98696 62667 08380 75113 66137 93903 71890 56004
03681 17434 66126 26317 22630 90485 15163 39326 28566 19627
83821 76381 13672 14483 23145 46969 03207 86856 66505 81835
64784 41477 07780 70603 45926 68086 28502 65352 61175 99608
85790 15428 000 000

10904/10204/9304 kHz, 13-04/15-04, 0700/0720/0740 UTC

923 923 923 1 803 144 803 144
97353 93160 96474 05239 39941 76243 99852 46013 44542 84437
82213 82000 54138 28937 25697 58799 17913 86953 18368 86530
53512 63960 95855 67115 76645 03684 61170 48759 95471 64992
59980 02484 83871 63477 97148 33638 06320 68220 33827 73443
16666 79633 66419 89999 02008 70730 69731 08617 06168 53970
55105 60039 23425 24243 87347 79115 37526 34117 00891 77193
19748 89413 08236 40081 64296 98068 52820 06084 60991 11532
86258 50901 81481 55674 33497 20464 49029 96304 57230 94878
29829 87452 32143 01333 83752 53184 70466 47593 13307 60318
81215 56841 86568 85380 59201 16299 32708 50945 37500 54396
14339 64150 60641 23402 55749 75929 77163 33480 46366 17036
81669 21102 33980 84440 55737 73815 79742 75789 01410 50122
07110 51405 58445 01379 74082 84257 39753 15885 02666 21469
83420 52176 41266 63395 62278 05108 22020 43097 50294 42710
05585 55978 94045 000 000

14377/13461/12114 kHz, 13-04, 1200/1220/1240 UTC

317 317 317 1 6349 97 6349 97
93417 66419 89472 29849 68135 76235 38906 47463 53424 67273
09415 02159 93156 99407 55213 34999 04595 44845 25863 12964
63198 56272 62269 57101 51054 96571 15342 62619 72019 03168
31859 42649 81451 19742 31903 21864 55898 96757 45121 67507
05735 21816 34003 33571 51268 79697 55884 97445 87584 04197
32791 82157 24941 76153 58013 85418 38713 28875 76962 37177
32551 41663 28964 47808 97406 98489 04744 02299 02232 87328
69087 67582 57763 81414 24918 74178 15103 04868 20463 24604
72186 10800 26700 06632 32831 50285 28130 93341 05756 69363
68270 44860 18048 34391 62212 84275 56659 000 000

12162/11566/10711 kHz, 14-04, 1710/1730/1750 UTC

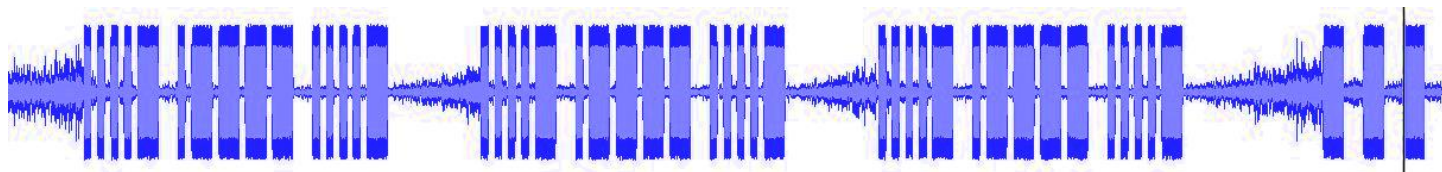
546 546 546 1 8759 109 8759 109
87646 48265 54232 19474 41467 00924 70495 96081 76604 70912
07750 73976 39927 50373 58567 84419 91793 93897 66317 87429
67187 12181 38876 21988 11396 85389 10122 19921 71974 78554
67647 54119 58290 26544 32761 01649 90832 33757 77726 99972
03101 30937 37729 59866 89067 54401 02928 68829 34474 90530
90203 12425 95916 18433 70672 44227 58001 09897 34569 74313
15203 94578 60250 04995 20469 24984 01096 95062 64010 32069
34350 01600 44627 59290 44269 89366 04381 67585 89968 17834
39054 91752 17049 91801 74342 54688 11012 04742 40953 09478
99716 95539 45971 06828 44387 74711 59898 13842 48458 81142
40284 55949 48413 56989 67403 60898 63387 47053 64457 000 000

12162/11566/10711 kHz, 15-04, 1700/1720/1740 UTC

546 546 546 1 2113 108 2113 108
92233 11477 77415 62827 41795 17852 66222 94129 66141 83956
55500 74271 33940 15185 21630 70377 77287 11224 51306 37630
31194 49102 61404 50079 02930 07576 04973 56342 29297 46360
36830 02793 63432 21768 96647 00956 34963 35563 39306 84875
29671 60369 92139 14709 65125 93589 62203 48156 21963 07004
46879 77311 34573 79104 32236 45494 12444 93405 74042 76236
06060 14405 13469 10123 34047 92719 73024 52833 59453 39341
75902 56580 96317 82224 81798 40404 98391 23098 86024 85385
17002 67017 51541 03394 51245 20449 87552 17265 52923 61613
52349 95640 53528 76919 20639 22918 04214 63153 51860 16635
02511 56047 75560 10482 34383 12037 55657 89108 000 000

12162/11566/10711 kHz, 15-04, 1800/1820/1840 UTC

546 546 546 1 2460 105 2460 105
35030 02535 74749 71042 45761 43922 19390 25316 54584 20891
89147 77326 72203 70836 18876 09928 34904 17822 41059 31546
12520 91477 88132 32151 91602 07383 84567 18604 03144 60636
09926 96500 17549 33461 45111 50155 91023 84297 43602 28750
35011 48800 95940 07300 90596 09189 73542 30809 06188 93191
45651 20050 46013 59417 09210 39617 77264 27039 30304 36952
98911 52548 33983 74370 89123 95267 79187 87058 91556 91566
82254 97772 90870 42004 03880 64654 80508 46638 19228 83842
70416 44348 50233 85886 76623 01501 26237 86333 03252 17999
35974 13286 39325 87865 21446 44192 32508 77486 43570 09993
38247 20410 61252 13338 13000 000 000

**14377/13461/12114 kHz, 15-04, 2000/2020/2040 UTC**

317 317 317 1 2506 102 2506 102
53989 36426 49603 35144 88123 90842 27705 04585 65864 48792
91723 72640 28904 61553 89387 29489 03922 00577 77083 86827
32253 08851 87859 99783 56875 18559 61105 70382 11069 08583
88981 64502 13354 75891 86962 46175 23610 71289 35350 87412
40565 29367 02750 76257 53008 23354 62040 28968 77608 08852
15847 19482 96820 82247 96679 76028 45722 13579 24138 19399
75373 49149 49198 48599 46544 55288 83020 81087 22185 32244
23305 00928 96260 19989 40627 25691 32745 49979 82708 50474
43350 37122 53915 69706 19181 01632 20856 98241 78744 42551
52302 51539 20700 44445 76399 31647 85126 97821 73949 60649
98093 89419 000 000

7575/8175/9175 kHz, 16-04/17-04/23-04/24-04, 2100/2120/2140 UTC

511 511 511 1 4754 116 4754 116
31429 44665 82182 78443 95183 49895 91129 97882 15151 13131
24823 39989 53867 36706 80665 25660 15841 95899 68267 95058
05754 48111 77964 37703 10874 87331 92216 70755 80748 61533
09248 56998 09390 73340 02609 28250 40970 11895 94322 27474
86533 48582 41684 40301 16340 48766 64789 44118 56582 04144
49365 56692 62031 79672 56073 32710 33451 39611 57901 12271
95515 39843 48396 83014 23238 85834 04846 61419 86617 73349
60635 79587 21220 02926 30994 61948 44506 30686 17229 98764
93804 91187 42502 61744 54679 21100 83105 91216 47999 31319
35423 05957 39950 56219 07878 34371 95281 61016 96286 39346
61654 38110 42934 69239 71622 59711 74823 33870 73806 05953
29402 37390 72884 16622 77600 16160 000 000

14377/13461/12114 kHz, 13-04, 1300/1320/1340 UTC

317 317 317 1 4631 99 4631 99
90868 27332 87977 90590 86500 80384 22759 00341 41823 44914
44025 24869 24490 50477 96175 68265 40239 82496 52749 97927
49235 72369 42105 12091 35401 79775 98981 48881 59702 30788
76904 84118 84510 62280 23186 48488 62988 28842 96603 13606
18875 35140 00331 65627 73861 67155 01426 83124 76442 92286
56328 89269 63699 85173 23380 09431 34289 37238 81538 30443
41544 12518 95856 20805 03784 08097 04997 28737 11059 33965
31393 03703 31548 45884 42434 82291 79444 80066 80704 95674
74121 07054 70795 47109 35215 34484 26543 37123 00428 82840
14671 12978 53201 15352 66868 30027 06983 89831 17447 000 000

9317/10484/11552 kHz, 20-04, 0530/0550/0610 UTC

135 135 135 1 8906 109 8906 109
09156 83486 22784 56667 89901 79551 26148 96278 74819 20695
62356 00148 88973 51305 84880 41708 72504 02577 85789 94083
17646 23551 93051 52833 35536 26081 90977 96131 77068 55273
65740 51283 63641 84372 91516 55951 74254 33461 73305 31649
02454 50684 02766 10197 59664 58452 49450 59709 26511 46643
39664 15809 76060 18260 22004 84449 81028 42719 91612 66919
64931 09615 71310 55876 90071 15888 14343 41718 45552 77516
18140 53229 21823 28875 38791 35553 49616 33848 19413 36119
98862 21236 08795 44770 90494 43558 73353 51084 10577 31559
89410 93827 85749 64250 34838 85710 38069 78244 13805 52071
88955 40121 36614 05152 71808 95772 65902 48504 67020 000 000

10904/10204/9304 kHz, 20-04/22-04, 0700/0720/0740 UTC

923 923 923 1 499 106 499 106
99324 99553 6T684 82548 1231T 47507 47358 30894 12492 73121
69449 32921 10849 56770 22719 30870 91787 14053 53295 61449
68864 15461 93543 02821 28751 15026 91005 93418 57182 38034
29123 33489 96753 28111 18357 60871 63167 78046 05027 80689
04546 22162 89794 85869 14533 43440 15324 45743 34272 23255
64734 17862 14313 54639 46904 70738 34636 43520 06653 78985
08203 37119 26615 01215 32644 65971 65596 36182 14674 97978
37511 63756 44320 31143 80254 09255 22908 63840 90730 72708
19246 56112 40620 39929 79868 50927 57841 90409 47839 33941
77281 46701 42676 04792 80939 01033 96102 41565 54271 78455
52818 75415 11675 18516 80053 06277 000 000

16321 kHz, 21-04, 1600 UTC

15821 kHz, 21-04, 1620 UTC. Stopped and restarted after 4 mins

14721 kHz, 21-04, 1640 UTC

16321/15821/14721 kHz, 25-04, 1600/1620/ 1640 UTC

387 387 387 1 481 77 481 77

43033 69710 73253 10462 09556 36094 14511 30902 30177 20952
35430 61073 90728 60391 35377 56662 64683 74007 90929 68633
28878 31754 46948 30662 56905 27386 35681 46639 91635 19320
46149 44823 08773 20778 94766 04294 27517 96846 58952 93581
97066 82444 55870 53533 29299 67023 57949 01501 55743 04391
98291 67387 30587 19347 19496 61187 91916 96424 86038 04717
84128 77123 23441 26384 89067 30298 47524 67527 30071 97351
13815 55224 83511 55937 81610 49453 27017 000 000

12162/11566/10711 kHz, 21-04, 1710/1730/1750 UTC

546 546 546 1 9390 104 9390 104

05863 47562 21119 99455 79991 97746 42680 40560 98897 24544
57933 06954 60197 94314 84846 81028 42200 63249 71014 97817
71405 19575 96660 48191 52816 63707 02941 38248 78590 14419
06801 52238 82404 67247 65613 76805 29506 44826 05959 53543
32943 59664 84276 96430 28987 06117 41471 99161 47287 53180
98141 52172 88580 69557 95725 46111 74218 50056 68432 62370
68510 31886 81965 45305 59990 11309 22304 99004 32187 48788
08325 68609 27794 68916 44351 38115 23528 49148 02011 65241
68613 65702 87456 91519 66436 24135 86608 46492 81029 27552
59045 94351 13453 20462 27680 46133 49610 85159 03881 57487
13829 73230 32926 16355 000 000

12162/11566/10711 kHz, 22-04, 1700/1720/1740 UTC

546 546 546 1 7658 107 7658 107

80863 42577 95443 15705 28138 87787 02281 71314 17595 57217
37971 09584 64606 63526 91663 53272 14504 32460 86477 70428
21958 10345 77763 28563 48828 26995 48090 94022 29013 09844
85884 32775 41381 97763 78240 47787 38447 99156 77367 15294
31216 02489 54892 56912 96295 05569 95844 16376 65260 28341
45074 79256 56790 96450 92245 33683 21145 35097 24811 97360
54842 13611 33313 35336 45487 54126 50078 83614 99983 90778
44996 90077 62355 23635 09197 56548 57341 10018 82947 75430
63327 52910 34592 98933 12457 79729 91231 13166 91914 37027
96198 49840 55620 12170 66264 02303 09450 30247 24661 44703
15210 24558 15819 60117 19708 19640 65272 000 000

12162/11566/10711 kHz, 22-04, 1800/1820/1840 UTC

546 546 546 1 8143 108 8143 108

29672 40162 61254 22940 91433 15887 71578 10827 35130 95416
51464 04241 81284 55463 13677 40123 51612 57938 67418 22285
41784 15699 03016 74169 86086 39494 27378 43860 00937 37350
71596 80921 20747 20221 46468 86703 66987 11300 33557 92564
24036 06908 03994 51966 06228 00989 50050 15516 42318 94601
73803 52846 97003 03383 05791 83039 54861 22025 97156 72287
61871 15985 21450 58380 82134 24224 50162 45140 62162 72541
89378 30528 62640 10826 07884 51407 09815 66479 30853 46651
73280 00532 25558 74484 46032 08259 94880 66004 51046 74375
01716 12850 28043 76652 03349 35664 54599 77729 38402 71619
18855 67323 56105 72055 99468 28311 19473 76042 000 000

14377/13461/12114 kHz, 22-04, 2000/2020/2040 UTC

317 317 317 1 5951 108 5951 108
87855 36004 58664 20023 37573 83517 97618 78842 15306 06426
22363 02127 00825 82486 41692 74402 18345 63977 57662 06058
82652 06436 57095 17369 52601 64971 04914 82724 99611 76701
32363 56535 67625 17857 99129 56493 96857 70388 16467 12360
08132 31167 91606 99047 03075 25447 33893 15434 69708 99408
21889 67479 86694 63764 44601 16085 31465 14096 30746 92762
61753 74777 97625 61032 12700 47241 88359 14927 66217 63589
72331 33749 02359 03134 22765 49624 02343 64045 76536 43626
22247 54786 37498 79822 53676 57391 13361 70878 27271 02559
44490 96481 70765 04780 71140 71866 22806 68352 16950 10520
55641 33082 87728 51608 20268 11539 76650 75383 000 000

14377/13461/12114 kHz, 26-04, 1300/1320/1340 UTC

317 317 317 1 1444 97 1444 97
60535 17954 28560 06119 71077 22635 63910 32337 43347 08547
01225 03024 58159 87246 67451 12170 01556 50384 52649 72283
16486 77347 96787 67193 84226 80114 58284 15122 41783 74265
15906 92481 14640 86894 99952 17407 04780 56819 84688 75452
70588 87240 58006 31618 55670 27986 69491 71202 78928 19645
22982 64003 04353 13645 69347 37534 05937 67548 42454 97358
71416 00651 24633 36434 66978 00352 18405 37331 42841 99633
40337 72892 01256 16277 55109 45126 26932 41878 70490 29173
03138 23508 47729 30366 08758 72456 55526 28608 79334 89626
86817 19043 26776 51853 64384 28501 67168 000 000

12139/11139/10239 kHz, 26-04/29-04, 2000/2020/2040 UTC

234 234 234 1 4438 96 4438 96
76211 70732 69353 37242 86022 44339 23345 83448 75158 10091
43412 68098 79739 03244 74801 26189 43586 69015 63975 50591
37500 55451 98569 49047 66231 66646 87179 25322 02384 39160
69517 02507 10186 12363 87158 86343 78200 99812 99413 96676
59898 04918 18599 41244 39734 25847 01545 96547 10955 40147
28907 03859 24836 27816 63348 08988 26424 43765 20648 69754
85943 61501 25128 66650 81706 81594 55052 38745 34860 93568
07951 77149 48432 52790 05476 63947 85933 07445 72387 93292
88300 77364 38147 06619 68485 28288 95651 16669 93869 46692
35223 07708 91990 54143 31437 70558 000 000

9317/10484/11552 kHz, 27-04, 0530/0550/0610 UTC

135 135 135 1 7940 113 7940 113
14470 92756 98284 14444 61168 77166 02659 32922 63701 69707
29789 18646 93360 35779 70497 27898 06076 16846 14373 08083
10073 58888 85415 29702 93204 47338 59314 99401 72858 93552
48407 21150 04625 21799 34632 41757 03665 94931 55352 57270
50974 76311 38675 24269 03478 17495 56830 16035 09327 52526
72394 19040 12794 85853 34351 47272 53396 23798 14204 65479
99210 28360 42766 51701 77941 83108 68790 00856 81152 83664
98583 93272 30065 84403 18711 13805 63908 07143 68036 47733
66114 19051 28380 36400 28094 12098 39768 08899 79646 05466
00651 76575 42026 02606 35034 55012 70903 85991 12810 18937
73990 87969 47547 86050 64547 44198 90130 96670 94063 79205
56167 77793 53629 000 000

10904/10204/9304 kHz, 27-04/29-04, 0700/0720/0740 UTC

923 923 923 1 7189 194 7189 194
41699 36683 41458 82950 87521 62637 80609 45536 22839 03210
37542 84231 88196 14958 09211 43351 83114 30779 10560 19131
77573 76980 67885 26828 09485 06158 11801 79771 83914 40292
67719 08631 04157 05483 58679 02492 86860 40512 18005 40288
54758 63129 74624 36736 79174 17717 51035 01878 91982 74053
34174 64417 56359 52103 45712 99012 36766 92125 98205 62390
54944 80979 25516 65253 57896 42554 09980 11017 09769 38336
88590 34291 96993 08620 92614 63518 62975 40934 65206 99382
57489 95723 80003 06569 49166 78388 87512 60659 17318 91861
51034 68285 11823 22504 96699 01717 19023 63378 28865 22297
76889 18378 25118 99153 87845 06665 80252 44723 10150 54172
34269 99297 95410 15587 92261 08044 09425 74764 12745 15167
51956 59567 71266 19691 04392 79689 78327 36488 01996 36135
90181 57048 45460 55102 92108 53197 05206 91675 05156 91628
39835 54659 69283 65159 78069 26407 92529 88018 08579 90031
22114 99933 30591 04440 07543 28293 92298 53622 29103 61085
32231 46439 48964 19535 91841 37671 86872 04625 51070 25005
84668 57122 53602 96024 52185 02229 74072 36643 46313 57271
00020 74304 67557 76368 27240 45480 90420 87009 91479 56467
78857 84540 64246 02051 000 000

14377/13461/12114 kHz, 27-04, 1200/1220/1240 UTC

317 317 317 1 1169 101 1169 101
37275 12123 44580 29111 83517 31129 84312 72170 29782 05469
15728 40535 11093 28312 05769 17823 55975 83905 44394 76278
20976 82698 61527 98739 87410 40325 54995 14413 25689 49313
69852 19717 87083 43045 66206 15172 95871 72454 99858 15165
45412 63238 28475 15340 29954 29781 09911 28883 36150 31100
90505 48383 67573 51216 26796 40717 88740 33568 91718 82443
79641 35924 56018 15450 70671 02653 65267 18245 57172 15011
19761 49115 02199 86605 01962 21378 09937 37803 50612 27447
36560 80156 26022 84173 52274 48406 62644 03378 61809 74937
32030 91935 62711 34440 49292 10718 48439 02365 01374 09971
61230 000 000

12162/11566/10711 kHz, 28-04, 1710/1730/1750 UTC

546 546 546 1 5455 109 5455 109
26270 43828 24611 41473 73650 47850 12040 04023 22900 84669
08250 14886 35995 81981 60420 81015 42395 84886 19787 63341
72003 25316 67840 28995 03402 47495 82595 53789 25936 13367
88618 41881 37962 63770 24255 94357 87767 40301 66075 94530
25583 65649 93183 55995 21097 31756 54992 06150 14234 87709
69610 83969 12685 44427 95611 09686 62610 76001 86837 82744
57864 54845 20971 11706 75661 00762 64334 87443 86411 03463
10607 40364 20335 40917 77452 23730 84053 61913 36190 47922
37381 38580 40715 78470 60214 97026 02024 32875 16771 18195
67313 00276 53186 47501 42842 48557 54036 48007 97412 83786
96593 91003 72083 95385 45549 17780 62159 71701 47792 000 000

12162/11566/10711 kHz, 29-04, 1700/1720/1740 UTC

546 546 546 1 7302 110 7302 110
04100 80101 05383 49402 23430 79226 22405 84308 67165 80353
56080 80552 44080 77592 89972 28622 33931 52420 15120 11900
63433 47361 87284 85176 93676 30002 85861 56157 81849 73242
79334 13629 41888 35283 11680 79475 58744 64067 42677 62360
84643 20365 97033 24621 98984 34444 69932 94048 52211 67581
09613 85461 88020 69056 76989 15998 87858 78853 90154 84221
73878 96550 53835 76950 76245 93154 35007 93743 92737 78761
61161 85793 79730 11475 38775 61426 54644 00012 18089 20536
13694 14856 71067 13181 95883 14015 55832 63255 69039 97691
28045 57123 43947 41478 76131 04729 48182 62324 59365 01410
02615 35901 27512 88837 19153 86162 99321 43447 24628 18572
000 000

12162/11566/10711 kHz, 29-04, 1800/1820/1840 UTC

546 546 546 1 7716 110 7716 110

23158 85630 32625 08995 33971 16562 01950 26326 81383 04496
54796 52095 28972 99725 28716 26018 15633 80648 77041 22817
17634 41860 09339 63390 01945 84564 38924 27448 40907 94649
74827 04594 72042 56117 81526 23893 34325 25193 61889 73598
44941 10327 97038 05671 27579 68956 90810 97013 09438 35365
62018 35688 99796 98749 77231 15769 34671 81198 36686 14712
16914 43500 20570 85789 49663 24948 63215 38343 31155 76876
41291 38021 33040 58701 80855 97342 29513 15375 12545 59619
74648 66248 90056 75597 89221 18714 15213 38817 53622 57174
77838 32291 46137 12628 29844 62595 40960 31244 16106 07031
30345 57600 98299 98389 47166 51039 96884 58399 22042 15621
000 000

14377/13461/12114 kHz, 292-04, 2000/2020/2040 UTC

317 317 317 1 4224 110 4224 110

89383 53502 3452? 27947 92626 30310 20554 10859 02470 42168
81294 60986 38096 70174 14926 93392 14077 40871 65379 66404
08462 94445 80671 86579 58430 81180 59975 61020 02803 51286
78979 23837 88406 77637 75749 24786 01698 05913 09908 73875
34839 00525 50984 22243 19390 00159 71224 77531 85438 77029
76027 98447 02071 97405 20991 46547 89754 83170 67307 92492
96910 61506 39863 43241 74280 09296 11636 74959 31682 75338
60140 99901 68578 95296 44698 90910 37156 61560 02517 94518
74562 66600 31506 74396 93350 42754 15310 16091 72357 04042
22894 42196 12305 53294 49341 58424 07386 57010 89914 19725
52927 89267 21763 97226 62514 31328 11680 01383 70706 82842
000 000

13386/12189/11491 kHz, 30-04, 1300/1320/1340 UTC

725 725 725 1 4346 75 4346 75

75252 80218 40007 01757 52614 90890 65595 83632 55497 11199
67428 89316 91900 13705 69271 56755 24576 02075 29998 81108
32355 09552 59575 49108 15702 40728 53125 72284 50059 15315
33556 52348 49779 62853 42611 34943 39022 56988 07010 45324
10693 54473 77197 10328 85990 28197 99217 86645 44434 75498
98619 70526 68373 24190 47062 74457 48974 19442 30093 17331
95322 82715 10271 57479 29065 80882 20085 89657 66933 38233
81056 84924 25526 45443 76964 000 000

7575/8175/9175 kHz, 30-04, 2100/2120/2140 UTC

511 511 511 1 2813 120 2813 120

36954 18675 08907 83131 33599 93228 29927 04521 92543 54033
76761 58410 56815 07854 50263 09578 14622 26092 80826 05604
14331 00240 11822 62952 29460 96638 66139 01565 72638 97406
03402 66434 76380 85230 24113 56416 18615 40646 75289 77050
17055 97526 76843 29276 72570 49356 96086 59477 79393 66451
10934 83292 31859 46257 34817 86601 97667 72964 44126 29485
92149 81073 09102 58236 37936 34788 79908 49394 31820 90221
48299 57614 40964 71867 49086 50467 77795 50058 89911 23572
22057 18453 18217 74100 87317 24467 54007 55972 64873 32728
96297 80057 08223 47564 08622 56375 60223 55867 81310 58169
87143 05514 65344 92493 38636 77970 21007 36625 66735 32411
22541 39202 55918 63557 75608 47029 99442 53884 71245 19013
000 000

PACIFIC THEATRE logs

13364 kHz, 23-04, 0400 UTC. Stopped after 21 groups

105 39 439 50 50 = =

66955 09299 79219 49340 75125 67884 15395 19419 36279 51160

37984 56675 10421 92729 57846 04644 36400 67673 29564 07101

62471 off and turns to idle continuous carrier. Carrier off for a second, then back up shifted +0.5kHz and into F06.

12211/10243 kHz, 26-04, 0500/0520 UTC

952 738 738 52 52 = =

98693 14282 80291 33992 62390 37005 63825 44908 01463 46130

34826 09509 86037 44721 45699 50254 05530 40460 12957 15198

02734 34898 57221 46788 61542 80774 83569 52317 02959 80837

69390 11971 69101 26610 51955 85415 99880 00527 32876 02857

32041 89898 41650 51507 75252 86124 25476 93402 44944 67591

57520 75503

= = 738 738 52 52 0000

12211/10243 kHz, 28-04, 0500/0520 UTC

952 347 347 70 70 = =

40840 99663 11318 64007 58389 04009 21011 20257 12001 72593

38557 24189 09250 33355 44308 58246 84081 20385 94490 37741

91566 43313 13893 44797 08217 89170 35011 03585 38354 71919

64446 06071 11610 63720 57997 81225 97716 12628 27882 24877

24521 76394 30522 32393 10149 27085 08336 01389 45283 06165

83970 96633 86461 34781 30411 94358 46358 08891 65408 48142

91966 33950 43664 43571 86638 78839 45198 33849 36901 83354

= = 347 347 70 70 00000

12211/10243 kHz, 29-04, 0500 UTC

952 810 810 54 54 = =

24010 05351 99715 09773 75847 33342 22260 28307 61949 52788

73075 94752 78176 64754 41255 48388 65032 67333 70168 45595

77061 71412 80044 91497 34776 29035 53535 86532 51282 35297

88955 11411 50806 89723 50886 98883 21299 28042 72834 65770

68312 60317 91620 03671 62336 76364 18202 51818 96766 04380

74601 00486 98724 33746

= = 810 810 54 54 00000

12211 kHz, 30-04, 0501 UTC. Late start

10243 kHz, 30-04, 0520 UTC. Silence after the callup for about 30 seconds 0524z. Then a short 1-minute callup into preamble and message at 0526z. The signal slowly fades out and disappears mid-message No further activity noticed on the frequency, as if operators gave up.

952 674 674 59 59 = =

10680 74919 27802 72151 26116 44761 45678 31733 09317 58599

60988 23545 68014 66990 60962 30974 30359 41716 34652 25037

55214 71011 67847 32706 42550 55293 40433 17444 04876 08052

49625 89136 85637 91614 07526 85603 35533 42456 86422 92883

82672 65749 10296 96467 57522 03837 15938 80688 58570 08323

32151 18432 69660 70465 50438 18374 64911 89544 85651

= = 674 674 59 59 00000

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

6828 kHz, 27-04, 0945 UTC, i.p.

=22456901080619
=991245??8?????
=991246??8?????
=12456401975646
=991247??8?????
=991248??8?????
=12456401373848
=991249??8?????

4171//6828 kHz, 28-04, 0933 UTC, i.p.

=991233??8?????
=991234??8?????
=12459672465234
=22459901050612
=991235??8?????
=991236??8?????
=12459672437236
=991237??8?????

M23

8134 kHz, 21-04, 1715 UTC i.p. 5260 (R)

8134 kHz, 22-04, 0600 UTC i.p. 5260 (R) ended 0810 UTC

M51a / M51b

M51b: 3881//6825 kHz, 13-04, 1500 UTC

Non-stop 5-character groups composed of M51a messages

The spaces between the messages were not transmitted but entered afterwards

MJHEU ZOIWG HLODG PQUTB KDFRB ASMNT LXCVC HUDVO SKTNI 58726
BCSWK AS'?. , POFKH SVRYX MZLFW GOUVJ AQDEG CNTHP KLJSG PNYFJ
33948 BXAQJ . ,+/VA PLMME GBYXG JHSRR LMAUR BYDIJ VWAQT ZOUIH
MEGSQ 63591 VAQHS ?.AS,/ AIRFC NTGOK CWSUN SOKAT SMHES OPLFR
BTANS PFIRG 36115 BCZMA /?.' , SICAV HYQWO VHESR OKSBY FKLJS
SMEXR ZZYGT LIMER 22654 ZCZQA , 'VA,AS IMSUY WASPS LUCKY SWAPS
32598 VZAQG ,?., ' MONEP NYDCF LOIUD OPTIO RATES FORWD FUTUR
KIFRC 36541 CZPLO /?VA=' BIDSS GREAT YHTFD VMNSI

CNCIS CNKQO AQLPS ZNXW CMNVB AKSOP QWEIU XBSAJ LHKJY 65489
CARQF . ,?/VA QAJWU XBSGH CKWOI AJDGE QOWUN CMNSH SWPEO XHSWU
.?, '= DARGD 52017 ALQSO SJNXI QALPS XNBHA SHDYW XNCMS ZMXLP
WUEY 10478 NXBHA . ,?AS/ ALQPW XBSUW ALKSO XBCHS SJWIX BCNCJ
CMSKW CZFST 12036 NCHDG .', +? ZNXJS QPLOS DHDWU XBCNS AJSWI
XETYC VNMSK AQOIW 89564 NVMDW ?/.VA' JQIAL OILPU XVAGW DHFGR
VNMEI SAHWU SDPLI CBSJW 23561 XBAGQ .',AS/ NCPOE XBSHW SKWOP
SABWU CBEYD NBMCK SAJWU XCVWY 43692 NVMDW .,AS VA. BXGSG KGMGL
RISFE

DHIQU VCGSH PELEO XAQEZ NCBGD MVNBT PTOTI BVNVE SWREG 02589
ZBAQV . ,?AS/ NCBDH MNLHK CXSDW ASQWE CBXBW LGRPO CBHYW NVVMR
45896 BSGWY . , 'VA? BCDHE LHPOT BCNDW XMKWU ASQVS NJDEF MFKE
VXSGW 47896 MBKIG . , '+/ MCDJU MVLOR ACQRZ NCDHE MBCND LGPRO
SDWRE NNCJE 74302 QOWIE ,VA'AS? NVBXC NSWPO NDEYJ DJKET AXZVS
NVMRU NDPEJ WRSFU 43269 VCSWH .?, =/ KDWIC SNSJW VZWPO LFMKR
DREGN MCEIS MCKDO AFQTH 01658 MNGKT /.?,' NSYWP ASQEZ NXHWY
MXWJK LFPEI CNMWI ZCVQT MVIEW 49635 DSQEF . , '?AS MVLPE QADTD
NDJEI CVDBE FKEIS QEAFY CBDFW VFLPE 41203 XCSAD ?, '.AS ASQRV
NVDYE MCDEI BXBWH ALPQE BCDDY CBXBX NXWPO ?., '/ MCIWO 52901
SNHWY BDGWT XWEUD NVLEO XWPCN ASKEO BGETQ CBNSK 41123 MOEPL
+.VA, ' QPALO BCGEY MXNWU CXGAH NBHFE KGORL LBPOF VZXAS QBYXY
., '?VA VXRAD 25893 VXATG LGPRO DGURA

GDHQJ ZUSGQ WBXVD XNAIK QLAMP XNWBQ QJEUD AIKJU RTDGS DFQJU
PAMLK CNDYE ZISJW QNDHE AUZRE SGQJA KLPAU NXHDT RUSHZ QJUHR
JHBTR VXGRY 46278 QJAUH WTERS 10963 SNBXH RTDFS AJKIU YHSTR
UJYHT DFSRZ AMQPO KLIYH DFSGC XVSCX WNBQH ZRATY 46378 SJQKA
YHUTG BCHDT RFSHA QCWGD SJQKI LMPAU JHNBV CGETD SHQYZ AUJHG
YHNBG CVFRE SCXWE ABHJK LQJUY NHBGR CVXGF DGSHU JKLUY TGFVC

HBCGD QJAKL QMAPL NWJDG ETSDA BWHQK AIKSG DFXCX DPLAM WNGHC
XBDUE IKDHS XVWHQ AOLZP MQKJU NCHDF XVWHE SYHVG DHSUA ZNWJS
83725 JSJET 37627 QJNXV CHZRS WKQIJ ALMPQ HNCVX HDUJR MLQOA
NXJWC SHQYT RIZGF VXBSU AJSKQ WNHUA ZIKSL QMNJK XVCGR PLA0J
NBCHF XHSDW ZTAGF 34267 XVWHQ AUJSD XVCLK CBXGD OLAUJ NVXBD
SFAJU HWCST QKLAP MNJKG VBXHD WCGFS WVFRZ

etc.

M89 - Chinese Military

5500 kHz 10-04, 1205 UTC, i.p.

NR RPT K
QSA 3 QSA ? K
R R QSA 5 NR QSA 3 QSA ? K
KQSA 3 K (Both stations on this frequency)
NR R
R 5 IEC = G3 AR K (Exercise related)
NR WTK K
R A C = P. AR K
NR IEC = .W CS K K
R ? K
NR GA K
NR ? NR
FF NR ..35/EX UTTT = =
..5TK
NR RPT K K
HR 7G K
HR 7G ... K
HR 7G HTGA K
R RPT K K
HR 7G GA K
HR 7G GA K
NRPT K K
R R HR 7G GA K
HR 7G HTG K CY K
HT GA K
HR 7G HT GA K
VVV KK
R K
HR 7G GA K
R GA K
HR 7G GA K
R GA K
R 7G NR 7. NR 2.42 CK 18 50 0410 2018 K
...TU33 T T4T5 ...

4679 kHz, 19-04, 1137 UTC, i.p.

NR 1037/EX 1927 =
.SF3..GM AR
F NR 1037/EX 1927 =
VSF.DNW2GM
F NR 1037/EX 1927 =
VEIF3DW2GM AR
NR 7875 RPT NR 7875
SK SK

4874 kHz, 23-04, 1200 UTC, i.p.

7G GA K
7G NR 1120 CK 61 81 0423 2000 RMKS 7915 TO 73.6 K
RPT TIME 2000 K
7G = = A4U3 .345 UD47 .ADN ND36 ...

5206 kHz, 23-04, 1155 UTC, i.p.

R QSL 1955 K
R GA (Both stations on this frequency)
MSG NR 1931 CK 201 06 0423 1930 RMKS 8364 TO 83.2 K
R
= 4U.U 3U75 756U 4UT6 D4NA U4U6 DT5A TNDA T33T TTTT7

6378//10335 kHz, 27-03, 0848 UTC, i.p.

R QSL 1510 K
R 7G NR 060 CK 191 59 0427 1510 RMKS 5542 TO 4155 K
K
HR 01W GA K
HR 01W GA K
HR 01W GA K
HR 7G NR 060 CK 191 59 0427 1510 RMKS 5542 TO 4155
7G 01W BT 45D3 37NU 5.4A U54D U7DT T7D6 4D6U 7546 TUA4 TTT6 K
K K QSY 02 QSY 02 K

4222 kHz, 30-04, 1142 UTC, i.p.

FF NR 1202/EX 1942 RMKS 7914 TO 7314 =
AC31/BF49 AR
F NR 1202/EX 1942 RMKS 7914 TO 7314 =
AC31/BF49 AR K
R OK QSL 1945 1945 K (Other station also on this frequency)
R OK K
R 7G NR K
R GA K
R 7G NR 1520 CK 61 81 0430 1946 RMKS 7314 TO 7914 K
R OK GA K
R = = 643U 34N7 57TT 53UT 45UA 456A 344T 34U7 4NDA 4U7T 47D6 DTA6 UA3D ...

M95 - Chinese Military

8784 kHz, 01-04, 1039 UTC, i.p.

/CCK CK 51 24 0U01
VVV
VVV (Both stations on this frequency)
GA
OK
PSE U MSG GA
OK
VVV
NR NR 0003/CCK CK 49 24 0401 1840 RMKS 02 TO 0 (Did not finish)
SB
HR MSG GA HW ? K K
R OK
VVV QSA 2 QSA ? K
QSA 2 QSA ? K
QSA 1 K
HR MSG GA HW ? K
OK
R /CCK CK 124 0 EEEEE

4243//9054 kHz, 02-04, 1147 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 02-04, 1150 UTC, M95: CW

VV HR MSG TO YR PSE CY

NR 035 CK 51 35 0402 1534 =

5AA UTT TTU 3U6 3A4 5T7 5TD TTN 75U 354 ...

AR A HR MSG GA)

NR 048 CK 24 35 0402 1540 =

UT5 TTU 3U6 3A4 TTA TTU TT3 773 354 373

33A 34U 353 N3D 35U 463 445 346 447 46D

4D3 3DA N3D 3D4 AR A HR MSG GA

NR 05 CK 126 35 0402 1600 =

UTU TTU 3U6 3A4 7TU 7TA NU6 ...

4364//8073 kHz, 02-04, 1130 UTC, V26: USB. XSV85 callup in Chinese voice

4364//8073 kHz, 02-04, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 02-04, 1139 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0266 CK 271 35 0402 1615 =

TTU 3U6 3AN 3U7 TAU 773 3TA 777 335 ...

4243 kHz, 03-04, 1143 UTC, Q26: 4+4 QPSK 75/3000. Messages

4243 kHz, 03-04, 1149 UTC, M95: CW

VV HR MSG TO YR PSE CY

NR 037 CK 52 35 0403 1516 =

5AA UTT TT3 3U6 7TA N44 3A4 5T7 5TD 75U

353 N3D 35A 4TA 447 34U N3U 446 3D. N3D

3DU 4D6 5TN 75U 353 N3D 35A 4TA 447 46D

343 N3U 446 467 3D4 N3D 3DU 4D6 5AA 75U

353 N3D 35A 4K4 4.. 34T 3U4 46 3D3 N3D 3DU

4D6 AR A HR 7G GA

NR 61 CK 21 35 0403 1604 =

UT6 TT3 3U6 3A4 TTA TTU TT3 773 353 N3D

35U 4.U 447 46D 33U 446 467 4D6 3D4 N3D

3DU AR A HR 7G GA

NR 06 CK 190 35 0403 1635 =

UTU TT3 3U6 3A4 7TU 7TA NU6 735 N44 ...

4364//8073 kHz, 03-04, 1130 UTC, V26: USB. XSV85 callup in Chinese voice. Male operator

4364//8073 kHz, 03-04, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

4364//8073 kHz, 03-04, 1139 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0268 CK 292 35 0403 1604 =

TT3 3U6 3AN 3U7 TAU 773 353 35N 4T3 NN3 ...

4243//9054 kHz, 10-04, 1145 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 10-04, 1150 UTC, M95: CW

35 0410 1538 =

5AA UTT TAT 3U6 3A4 5T7 5TD 75U 357 4TD

446 3DU 4D3 5TN 75U 357 DN7 36T 4TN 446

3DU 4DD 5AA 75U 357 DN7 36T 4T7 445 3DA

334 34T N3U 446 3DU 4DD AR A HR 7G GA

NR 20 CK 191 35 0410 1600 =

UTU TAT 3U6 3A4 TTU 773 353 N3D 354 4TN ...

4364//8073 kHz, 10-04, 1137 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: messages

4364//8073 kHz, 10-04, 1142 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0282 CK 226 35 0410 1639 =

TAT 3U6 3AN 3U7 TAU 773 TA7 773 TAD 773 356 ...

4243 kHz, 19-04, 1145 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 19-04, 1149 UTC, M95: CW

VV HR MSG TO YR PSE CY

NR 069 CK 38 35 0419 1530 =

5AA UTT TAN 3U6 3A4 5T7 5TD 75U 35A N3D

353 4TN 445 3DA 4D6 5TN 75U 35A N3D 353

4AA 446 346 N3U 445 3DU N3D 3DA 4D6 5AA

75U 35A N3D 353 4TN 445 3DA 4D3 AR A HR 7G GA

NR 38 CK 142 35 0419 1600 =

UTU TAN 3U6 3A4 TTU N44 TT3 773 35A N3D ...

4364//8073 kHz, 19-04, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: messages

4364//8073 kHz, 19-04, 1140 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0300 CK 329 35 0419 1555 =

TAN 3U6 3AN 3U7 TAU 773 353 4T3 NN3 436 ...

4243 kHz, 23-04, 1143 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 23-04, 1148 UTC, M95: CW

VV HR MSG TO YR PSE CY

NR 077 CK 70 35 0423 1550 =

5AA .TT TU3 3U7 3A4 5T7 5TA 5TD 75U 354 373 ...

AR A HR 7G GA

NR 46 CK 181 35 0423 1555 =

UTU T.3 3U6 3A4 TT. 773 454 373 ...

4364//8073 kHz, 23-04, 1130 UTC, V26: USB. XSV85: callup in Chinese voice. Male operator

4364//8073 kHz, 23-04, 1131 UTC, Q26: 4+4 QPSK 75/3000 USB. Switched LSB at 1132z. XSV85 sending messages

4364//8073 kHz, 23-04. 1139 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0308 CK 273 35 04U3 1617 =

TU3 3U6 3AN 3U7 TAU 773 353 35N 4T3 NNC ...

DIGITAL MODES

HM01 - Dirección General de Inteligencia

01-19 April Repeat of the messages of March 22 nd	05026 06636 02237 56481 50743 24565	76620502.TXT 61140663.TXT 50880223.F1C 12885648.TXT 66785074.TXT 48682456.TXT
20 April	44851 21388 51141 88772 83175 04049	05274485.TXT 36062138.F1G 00235114.TXT 20048877.TXT 36058317.F1G 73080404.TXT
21 April	44851 21389 51142 88773 83176 77451	05274485.TXT 36062138.F1G 00235114.TXT 20048877.TXT 36058317.F1G 68547745.TXT
22 April	44852 40011 51143 88774 83177 77451	05274485.TXT 20884001.TXT 00235114.TXT 20048877.TXT 36058317.F1G 68547745.TXT
23 April	44853 40011 51144 88775 83178 77452	05274485.TXT 20884001.TXT 00235114.TXT 20048877.TXT 36058317.F1G 68547745.TXT

24 April, 1605 UTC. Late start. Odd new group sequence	66012 17241 10803 16171 10125 67090	50416601.F1C 20511724.TXT 46251080.TXT 01041617.TXT 74061012.TXT 57856709.TXT
24 April, 2105 UTC: The normal progression continued. Late start, carrier only, then hum, finally audio.	44854 40012 51145 88776 83179 77453	The extremely noisy transmitter used on 25 April made it impossible to decode the files.
25 April	44855 40013 51146 88777 33611 77454	05274485.TXT 20884001.TXT 00235114.TXT 20048877.TXT 36443361.F1G 68547745.TXT
26 April	44856 40014 51147 88778 33611 77455	05274485.TXT 20884001.TXT 00235114.TXT 20048877.TXT 36443361.F1G 68547745.TXT
27, 28 April	44857 40015 51148 88779 33612 77456	05274485.TXT 20884001.TXT 00235114.TXT 20048877.TXT 36443361.F1G 68547745.TXT
28 April 2158 UTC, new groups	44858 40016 44161 71861 33613 77457	Not decoded
29 April	47731 40017 44161 71861 33614 77458	13114773.TXT 20884001.TXT 54414416.TXT 61107186.TXT 36443361.F1G 68547745.TXT
30 April	47731 88341 44162 71862 33615 77459	13114773.TXT 24608834.TXT 54414416.TXT 61107186.TXT 36443361.F1G 68547745.TXT

Oddities

11435 kHz, 01-04, 1555 UTC	Carrier only
11530 kHz, 01-04, 1658 UTC	Carrier till 1731 UTC, then "Dos" repeated for two minutes. At 1733 UTC (repeat of 22 March)
11435 kHz, 21-04, 1555 UTC	Radio Habana Cuba followed by 44851 21389 51142 88773 83176 77451
17480 kHz, 25-04, 2200 UTC	Carrier only
11435 kHz, 28-04, 1630 UTC	No transmission
11530 kHz, 28-04, 1700/1730 UTC	No transmission
11635 kHz, 1800/1830 UTC	No transmission

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

M42 – various modes

12153 kHz, 08-04, 1050 UTC, MFSK-66
12164 kHz, 09-04, 0830 UTC, 5xMFSK-16/250Bd-BPSK
16292 kHz, 09-04, 1029 UTC, MFSK-66
5801.5 kHz, 11-04, 1225 UTC, Serdolik MFSK
14545 kHz, 15-04, 0918 UTC, MFSK-66
8055 kHz, 16-04, 1655 UTC, MFSK
8055 kHz, 30-04, 2047 UTC, MFSK

M42b – FSK 50/500

4792 kHz, 25-04, 0732 UTC, CW K5LW wkg FI8R: QSY 42812
8087 kHz, 25-04, 0905 UTC, CW G3WM wkg SK8I. Message in FSK 50/500

F01 – FSK 200/500

12194/10581/8112 kHz, 07-04, 1840/1850/1900 UTC
Null message: 5761 00000

10177/8076/6974 kHz, 01-04, 1015/1025/1035 UTC

53954 45863 67207 51688 31773 89943 41356 85199 83377 19290
 00064 15494 02903 78570 11679 84286 73801 34444 31435 52493
 99358 71861 01742 95413 47360 61177 06473 67938 44865 75743
 77697 31956 84006 64683 78294 63159 24774 10527 08877 79434
 05693 26396 12474 58019 98366 72432 75406 33610 66795 96142
 47786 94629 17415 26365 32082 19811 50803 75535 13196 22311
 50979 29935 28475 93525 73240 32624 01103 63802 16467 88731
 85308 22234 90846 47795 96831 62723 16935 42847 27073 48498
 17011 16081 00000

43814 31987 69678 12018 66882 50825 12522 25262 07063 15570
 25667 89165 72838 52588 35744 85874 94933 90483 35655 04288
 14790 96203 33835 30113 53601 13968 17675 06727 35351 74228
 67041 46520 62302 64825 78829 97419 66350 81545 88489 94274
 84704 00259 99467 49793 33322 37825 56485 64715 76522 93956
 23616 61914 16251 91231 53072 74111 49385 55429 55660 39889
 66564 03392 08834 87692 90950 30593 63273 12510 80371 15599
 33951 74914 41279 83609 86594 77154 27960 96275 55506 95986
 25444 59968 53660 76933 39534 69689 61034 19648 42404 30824
 02084 17091 00000

10177/8076/6974 kHz, 02-04, 1015/1025/1035 UTC

Null message: 5761 00000

10177/8076/6974 kHz, 05-04, 1015/1025/1035 UTC

56877 27596 52063 34926 07763 68967 07204 19936 18700 49872
 26717 11872 47409 24422 83670 63651 71351 19244 82855 32507
 18063 53935 06800 28804 03020 99110 49770 04806 67202 32991
 44449 06816 31561 82463 10980 39138 10553 59543 83057 13287
 51961 29197 90758 80891 95164 69438 04799 73732 65049 09659
 71903 99336 43757 58104 95977 65582 87453 54459 44765 32743
 80298 08470 86682 16415 42816 10522 87516 89749 36845 25153
 21677 58455 34256 03390 77677 06978 41627 74886 62554 39316
 98071 05779 34888 62902 88382 33198 21133 88986 38711 12386
 94931 47965 86943 37341 24106 43081 44978 20941 15011 90947
 95076 45471 08939 22325 87493 19510 10266 41582 31560 02082
 51017 68298 97407 80053 21554 09421 70530 09676 22049 35432
 26361 58229 14467 58955 17059 06704 79706 39245 87690 99448
 09612 60982 63992 51737 88532 60839 78899 51176 44125 00220
 30040 13902 72080 07641 85361 81492 64455 39174 79104 69554
 96320 30393 65282 03891 50380 38260 20875 05217 84282 96396
 15914 08338 70282 32165 92654 26750 61958 19006 21011 98573
 67672 62468 22453 74787 35447 43366 79546 35671 78963 66505
 73321 46416 99354 88408 15670 87835 82492 22488 68936 23102
 76444 45092 69917 86464 78796 50871 00434 04872 88531 30896
 71675 88447 02134 71968 14502 50744 58634 00561 92889 44725
 63257 19820 82710 25406 44373 13081 83027 75090 23439 12311
 52100 52145 02616 54947 85285 49245 99743 77536 77016 72029
 85377 19641 34056 74105 01552 36422 32199 09336 66972 43371
 33632 87352 98331 41586 07112 43228 02408 97071 18173 57243
 18666 72462 81536 85692 17031 34641 92914 88660 80522 86661
 82400 65710 27436 97434 56625 35417 52777 27595 21870 19691
 93603 75008 05325 18816 47992 88335 16680 88154 02303 22108
 17238 52448 46432 31738 88726 18654 81740 31915 19012 73252
 51344 66808 46895 74963 47459 65535 33171 78817 75477 81314
 50152 52502 79481 37745 06833 70937 58857 30660 51881 00014
 30718 58978 21665 05418 17811 82998 25465 47502 66604 33574
 85099 48126 25236 20600 71122 40403 36009 14264 02792 37301
 22130 97470 03998 80020 73374 12917 32333 52105 60359 53216
 23494 70202 32122 67534 18208 87429 76684 83164 63858 70271

49296 65484 08011 34949 98033 64725 26018 54204 41463 23000
49900 70425 78025 40016 90669 76063 31861 20923 71315 47266
64741 54723 12610 41675 08799 96688 38936 96322 99751 53218
96326 86557 15301 92574 99890 31951 48388 29933 52830 60104
70010 60191 04219 64313 61266 36966 37743 16010 19334 21222
08584 17933 67058 47959 70633 08953 20842 84417 61230 56499
96520 78208 35602 97522 57917 18838 68199 13925 37761 61035
63118 53403 85652 18423 00000

10177/8076/6974 kHz, 06-04, 1015/1025/1035 UTC

25603 76517 04027 86073 42847 04673 54768 91070 31619 04074
12583 99718 50361 63486 79087 84038 53890 05512 84841 59592
08850 82575 63043 22725 23704 45674 87004 06668 72981 84305
63574 17417 20428 61038 99710 35342 70794 89141 84381 93447
04903 26715 52991 68239 77721 85769 26507 44123 84095 79681
42486 37270 21862 57461 20178 89905 06995 98281 26903 70931
20507 64691 37885 43842 91760 37964 06728 87862 47910 84005
88723 83241 84123 23275 84185 96650 34313 03137 93977 27608
47029 96101 04452 19083 00000

58043 39175 11001 46391 56841 62441 11502 58721 12441 34295
60671 57090 82022 46577 22367 59098 20169 80086 15022 04058
34158 99796 81439 70709 16302 35311 84857 26290 33029 45025
23468 67880 75394 87401 80578 41986 00694 47823 52614 53263
19887 94447 22132 98356 10508 61500 68043 85764 59748 83445
30233 27677 67403 28482 70758 14729 63375 04782 98817 09593
19407 37930 51681 20366 59744 42984 48757 39672 00417 39609
60997 60429 71807 83707 62819 04212 04224 14000 58735 23148
81138 36977 01878 61293 89789 98671 46604 86406 23837 16684
02374 28085 17761 20093 00000

10177/8076/6974 kHz, 07-04, 1015/1025/1035 UTC

78479 61407 57629 82894 36286 94942 53580 32848 81098 14430
29222 07464 63049 02834 35879 20853 15175 12714 48229 80849
23892 87355 13734 54925 52305 46071 22879 40099 83539 69593
79886 35299 76272 46504 78619 39598 49667 66637 13338 24763
39885 72391 79014 55566 95363 03885 40878 56277 03061 98910
77893 46796 62836 33594 29850 96841 52166 14726 02749 71649
48379 59688 12182 67612 00599 24912 69384 61294 68578 68812
39654 20268 70623 60134 27815 49200 07777 67639 70426 69630
56463 92083 39413 56880 46782 26419 86809 82527 68626 55149
85308 35884 72828 28788 44291 22915 59502 74351 06038 66037
70790 27822 51803 53237 30188 99523 72438 09936 95638 08342
83253 92050 18582 45737 87804 23687 26155 55467 20295 27889
68716 39984 21278 23904 99892 29420 26346 89378 81340 74109
72499 10944 29386 46584 51872 71607 45762 63982 67511 48404
99610 66801 70899 18741 52932 14936 85897 98863 46697 86936
48798 62893 89774 93438 19189 15871 17891 40675 41296 19237
14783 05031 60508 92192 12762 04577 24761 37378 14845 78499
25472 64302 05666 10389 57717 08968 43337 56308 04334 73120
49458 63589 73625 31571 39458 91281 45386 81012 60451 68202
04899 28787 28811 49528 69611 45026 84625 57845 38182 26612
05245 19625 16572 46385 45092 33036 00873 86056 93936 28047
21568 76231 70805 04749 78896 92016 95730 60843 24030 77617
06518 44218 65726 98387 12720 91570 07169 43749 03999 38992
42660 29433 55085 15472 68875 72474 94488 52399 03433 73996
29181 89903 23867 77031 42414 06301 31542 16385 06872 81018
37088 53037 80346 27499 05163 72460 76115 16695 88354 01727
25215 57186 71533 50028 72800 45714 68258 09452 75766 24057
48921 14447 93833 03194 05312 83419 91274 40695 81305 90894
91473 82263 24344 43683 51504 03384 37406 59487 48918 11997
36155 71388 97920 98157 40951 06647 37139 41592 58411 13262
56150 13109 32207 32716 52970 30798 67792 42354 39690 56941

60743 15826 38439 46598 83392 75033 34872 83774 09464 32017
81359 66137 81368 44227 67074 24198 49876 31602 97160 85903
40834 28912 48175 22580 28617 71783 91977 37155 21015 39859
05274 80614 85223 05523 06985 07603 69642 61626 90642 07136
01159 26658 43984 69338 62604 50795 72945 74163 80083 71267
72237 13013 74841 90471 09692 79213 59380 75289 16558 88270
82496 01021 00954 13851 52928 88390 26640 50423 96313 07062
24321 38494 25125 44081 27649 13384 26288 60711 51118 63469
96159 86079 52055 08845 77559 21074 43861 36318 78536 50937
52724 51708 77565 89985 34969 35348 44851 06898 97244 11764
34438 04005 86725 69438 26809 49019 43523 91620 26653 82653
32490 84098 45504 50539 96611 10887 23927 32914 99158 73766
72938 21431 00000

10177/8076/6974 kHz, 08-04, 1015/1025/1035 UTC

72565 20161 62138 79730 69820 73907 02487 10948 30227 82215
98745 82537 23143 39118 32288 32392 68186 68465 26138 69551
55150 17246 80363 94917 66363 61132 68507 27158 24918 39403
80988 63463 17233 61461 26417 29859 63351 52114 26749 00755
33444 27810 67236 92420 33933 21026 87089 60074 11684 94979
21813 53273 49708 15869 33123 09287 52795 74807 87410 89157
46535 76667 68680 86110 38147 37995 36884 61026 12571 61201
67621 84642 62245 77202 34109 91189 74015 73715 17385 73131
21607 51376 55663 71715 37105 22085 00000

84241 71271 78337 73950 81955 39407 77298 62404 03730 01940
39013 20060 56456 83043 07968 62384 57692 46561 58624 12934
56436 68604 02178 55878 89535 88376 84424 44108 15940 48157
29437 36330 95965 58385 08717 61618 07766 48773 40535 34834
18204 91401 49126 71368 50298 06711 38440 74632 14445 88358
60126 94746 95593 07843 80448 81851 13569 84864 75810 82491
98719 34338 11582 52497 50099 26006 83915 84813 68337 17588
29236 75699 80419 47402 31096 77756 98538 97392 79078 13198
80227 62512 59446 45819 81933 87382 82200 35091 23252 56186
74275 20821 03984 46705 93511 23095 00000

10177/8076/6974 kHz, 09-04, 1015/1025/1035 UTC

Null message: 5761 00000

10177/8076/6974 kHz, 12-04, 1015/1025/1035 UTC

52092 40449 22561 30399 59142 91356 23649 09913 33600 80813
20344 58306 89530 77065 18499 02975 29516 96028 87704 16944
19040 41955 08375 73055 51204 99759 77134 89672 68962 14948
50203 66311 37063 22079 29440 32662 80885 07692 20766 59421
34359 18655 19633 04381 64151 51855 03223 92206 62312 86174
34087 51344 24567 42690 04885 56495 56434 84030 78932 50098
74368 88833 06238 41243 94111 62241 19706 05471 23429 68361
41216 33894 01443 95640 52244 05058 51720 91092 08726 78005
41326 24301 04842 29967 63023 67148 15420 87110 82792 00214
71640 21809 19891 81751 49719 14836 51594 40222 77281 05944
59857 76282 87085 81268 62037 85197 72805 70968 92898 35587
26548 55575 30070 65472 62797 04460 80146 81528 58474 94868
67621 72515 63789 84968 93844 72790 63594 39323 58181 36866
93902 30260 58564 10936 43275 63543 13639 12312 93753 01808
73661 52709 81041 84180 12371 66317 78597 65533 16990 28591
35353 23801 18574 76705 21726 08802 29863 67603 63623 31002
82853 34585 69118 13660 83260 28364 77497 56780 24058 53535
85342 86332 25295 36392 29373 87148 92364 85028 30695 42961
09919 27661 30174 32000 13616 40115 69606 51598 06887 98404
98376 70231 14907 17351 10290 30449 92965 61171 40276 51105
31418 36979 75634 02363 24398 07131 61519 51869 94503 81357
05358 05578 90609 74623 09871 91622 01027 41638 89403 60708
49172 23970 49239 01433 63947 70697 32589 93992 42014 18526

64950 50705 44153 42320 50506 16781 92882 11984 00272 29796
63550 16621 96664 61281 86052 41927 24185 88885 99398 11731
20898 72546 26287 29640 30407 33089 59894 81722 59003 56721
80052 86157 67669 73827 41011 00795 53646 85532 97973 24571
01234 36444 64581 53697 06510 57032 18550 78583 05674 24071
97633 32413 61685 12588 53112 27316 88890 37748 52980 39086
20329 10126 52037 26358 47394 52786 71052 95204 86557 53624
52206 45076 52820 51391 82983 57027 44595 78854 05715 10167
69704 11522 54948 37265 67173 95371 89839 55462 04512 52017
13750 33009 55179 84760 98240 77983 85902 33956 53649 59911
08553 55125 13430 00245 76258 18276 24458 92614 28440 51831
60477 38813 14460 79643 00873 11433 50582 24499 41975 79105
89903 76569 33059 55277 09975 50243 54246 56450 47779 77772
78486 80841 36759 13170 84806 43385 25591 44802 15019 28026
83372 40113 91074 43221 20934 70905 35248 91621 82945 92632
60336 89835 90513 76136 22077 99237 38954 15252 50949 53738
80425 58735 05562 95480 46115 39950 14810 54368 87668 02736
00991 32388 42535 46909 01061 78651 52930 41836 28227 66100
93107 81499 41054 05805 84601 79517 12287 59799 04165 27528
14559 38391 14053 65407 65185 92881 69372 36726 97227 39626
82158 27903 49012 24433 00000

10177/8076/6974 kHz, 13-04, 1015/1025/1035 UTC

82822 54358 77839 07571 59484 68470 51133 31348 83176 02262
53275 90720 36919 23248 58938 19473 66764 22314 00648 45740
15898 02966 08793 60798 12355 38645 91965 89516 65027 71553
24823 98408 47676 51414 35648 02220 75600 37619 10821 54983
04686 13181 58354 36491 07493 83950 97711 70105 06093 61518
68074 32866 66317 53251 72260 43809 83134 07886 98464 41457
11817 90136 87033 86393 24599 82739 34431 49884 97514 39375
51611 74467 57094 36906 18967 17451 41614 25077 00000

41402 79402 60068 85194 87230 41479 68220 80344 62558 54181
02982 64982 12840 05798 85841 21818 02972 52526 31359 66498
00418 52844 12760 44326 02566 23071 33487 56769 13022 37554
21896 03691 96506 21927 91286 52239 67061 12868 32445 68338
89232 82798 30901 71705 96942 52970 26080 00353 59719 43353
54528 95491 50972 32788 44418 42783 98013 27833 53506 30883
18501 63727 67732 13196 72997 85930 02655 83802 88325 85665
74906 03477 31417 87897 35854 36741 38334 15197 84651 85893
28154 75916 02884 32941 56407 50122 77966 25392 87750 71716
07512 66819 92566 30192 01843 98156 97179 40444 26826 26099
00000

10177/8076/6974 kHz, 14-04, 1015/1025/1035 UTC

69646 19587 95615 85034 91822 15755 68012 30486 64825 51595
11796 24549 72115 79054 34912 23054 48279 23296 99292 91188
71973 16144 31803 77031 27314 71807 46629 42208 50917 90829
08769 98115 06776 03198 93332 21149 56142 86551 20320 45376
14637 20420 69586 56079 13733 62440 05664 32627 08835 57484
67130 14088 01122 15623 00230 86041 65350 19893 41403 12023
00801 49771 78443 58020 47553 31319 44947 83490 35285 49915
27750 97306 56778 86533 92051 02090 83317 63489 53885 75355
64169 10590 54655 60911 77337 87643 17401 68951 23763 24247
89491 08274 82184 62795 01438 99072 66819 15656 96491 39721
55066 72435 10750 26011 77417 18285 08425 46260 86763 49179
01978 00739 49282 95100 11806 18856 24093 87076 45169 72524
23875 28998 99037 09173 73620 60163 16557 52802 09730 19479
51811 46567 86618 47265 22579 35286 83037 85583 55756 11330
25280 63054 55153 72338 69481 75068 46335 64176 10178 95355
78201 07591 07326 79837 85994 31991 48973 48697 45420 64803
91749 57619 72565 49818 46384 94116 49308 92989 00432 59901
78905 59105 95388 25219 01437 67779 00391 66104 23806 62195

49688 20476 43974 49038 36066 24017 74130 33065 77420 11784
92458 94731 98657 96470 78222 84324 96118 59269 09823 31044
76708 14273 30547 90452 88921 32341 11667 78749 87945 35385
67594 67292 02038 96995 02780 35820 92359 10354 95023 07793
23452 09373 44916 16304 86545 53989 46065 74000 42889 15561
55819 45433 79286 23295 71166 45301 93025 57649 39491 10996
48392 01648 58890 22915 71949 86034 47719 70952 78780 89226
88067 90634 46869 77974 72848 17303 81816 99694 11190 31820
39076 62394 71806 96203 95897 63128 69060 02642 90159 50938
21374 84332 68291 35192 36695 61568 09461 75277 04710 21513
18218 12576 00466 55113 02787 30663 29125 99571 81187 54669
66503 59824 82373 25732 75106 07463 34587 11494 00342 80529
58094 38561 76588 32634 04516 57881 97822 04823 09920 78968
32478 18640 53872 33904 87236 13814 41633 57074 49426 79014
51686 91555 62725 49113 15786 58103 15854 67383 23710 47677
48933 36080 69912 23435 07224 03836 84250 43141 96898 63311
13990 37916 22565 57537 49257 08279 11208 18385 09148 23408
52245 85600 30656 34561 08391 79850 27631 38596 76994 28199
11938 52525 06571 65474 94010 85042 98178 59939 04993 15959
46363 36729 07643 19491 99324 97470 88197 92327 43023 59536
46382 72423 38889 63360 25749 59453 69842 21262 51539 72861
74288 06207 68251 08447 72802 03952 94097 79423 17167 77004
34553 52885 16467 13832 22167 17627 19922 61766 74832 44241
61136 67042 89700 23446 93476 70388 14932 93566 71239 31636
66454 93115 56308 81764 81944 99415 54989 25819 29193 39184
14712 45158 11054 82032 35275 72440 34161 52818 74333 37816
33612 23774 51814 27443 00000

10177/8076/6974 kHz, 15-04, 1015/1025/1035 UTC

25007 72798 56895 33460 73663 71460 18794 44402 28092 04617
01655 04154 54395 75314 58380 40590 83712 73118 81105 10933
59947 81476 81775 23428 41879 57062 32600 58334 01869 92022
21048 61665 88324 95077 99087 10129 44130 52399 31347 70686
98216 54218 71889 03189 72463 98092 24294 79505 71121 04765
64718 17606 44943 07567 32638 54009 47207 01284 18955 03059
23826 61440 06149 76446 04715 69927 40171 61428 88634 07916
38767 81171 38660 28073 00000

11894 74167 34654 83104 82528 25867 00540 23203 05001 91396
10337 64481 80588 53878 38330 46707 24798 49217 30904 11153
65745 01757 03605 79667 08263 88558 81273 49083 74660 86982
54677 68132 58096 85244 52086 89082 49468 60664 49229 11257
23788 55264 66064 58641 96958 03431 23806 58763 88910 91299
60638 15018 54007 52583 29561 89652 64684 30495 26805 39572
59250 60491 24243 72167 89774 53483 04251 13354 31020 84243
20442 04999 36348 14658 32719 73936 51522 06545 90080 39748
22379 03698 59620 53503 57264 87864 25154 84641 30206 38337
03910 98187 35737 49836 54727 89487 31329 88393 76195 68650
28344 29101 00000

10177/8076/6974 kHz, 16-04, 1015/1025/1035 UTC

Null message: 5761 00000

10177/8076/6974 kHz, 19-04, 1015/1025/1035 UTC

46206 74238 49901 70499 33759 20663 79535 77211 15004 40207
18371 49516 29959 96125 73476 51739 20158 70563 03016 86882
36524 72704 00739 37830 39146 06394 77835 95364 31138 08166
96836 46446 93760 91625 37267 21179 15005 59111 97702 21903
28822 66579 63964 82861 07181 52655 98090 33863 72143 67772
27817 66389 20159 64355 41220 25582 75735 33972 16227 76543
16709 02394 39679 18395 38272 18507 95630 44524 47961 98004
27571 72462 08797 07813 04271 91824 72741 02157 43911 03762
71690 46245 76222 50343 58159 88477 47277 57330 12874 67127

96665 38752 61440 62439 61706 36753 67276 30062 88407 95113
93016 76785 53845 89912 47542 64479 29659 65748 60860 53211
41348 50973 53991 19446 03054 50354 96068 10292 32522 38628
65832 19716 75924 03367 59703 97664 97231 10592 13625 28040
11827 91587 30870 36456 69042 74338 32985 13718 13311 08039
76063 65963 78618 54097 99551 27402 95945 42091 99745 96584
18378 14095 45195 82153 93592 05825 76182 68995 38382 38043
55477 40747 94927 16648 62536 19582 73490 64889 48365 09225
11219 36164 93194 52119 01758 80799 34189 36702 75344 65290
55358 15702 34080 67407 56856 21420 72068 95624 45878 88919
35096 06303 16308 23054 99564 17060 09341 70292 75333 39774
72235 81262 62190 81653 57406 74949 14610 87804 29035 40498
94509 23747 69388 37553 16678 21308 02026 81059 16565 36328
74097 21487 95125 91625 64904 56393 20402 03651 12922 34278
90525 16267 78459 36654 87843 90102 84164 49283 78832 20902
00532 58505 39513 85320 68631 33611 11031 37602 77224 81175
15107 05561 36464 82310 84034 59334 15365 48762 84917 51312
35229 58793 42833 50703 36216 58787 92608 21166 59248 41515
13896 14942 10434 37000 29239 81932 00194 76911 69813 17155
74285 18437 38532 95008 78913 38566 25199 63809 27102 34718
53402 98995 58526 92651 63837 38480 09993 07609 63731 48561
38750 69603 97083 93838 65810 48822 15384 09566 31495 42049
53510 99895 80355 66072 40490 10423 17693 08991 99807 48496
04838 75380 18960 49716 85388 86233 92927 14059 59594 19631
71265 60070 49072 03066 63489 70567 19042 93371 82457 28268
50266 05186 30421 64817 77891 73874 57443 71613 39362 63885
46863 45902 98611 58434 07506 70551 38705 91479 77311 50961
40134 07927 68081 57536 86931 62983 06023 47167 67819 96614
47782 62147 64553 44042 76656 29973 44666 68198 08667 12456
00795 25113 63178 77597 03771 98123 77766 92642 61677 61893
72004 61773 02040 62134 89859 56865 19358 22001 75401 14740
55150 11078 61490 99375 02713 37903 76139 52479 53762 51962
96247 80887 29174 66097 03380 54213 60977 35257 21284 11191
17816 52539 39835 98144 91050 30425 00000

10177/8076/6974 kHz, 20-04, 1015/1025/1035 UTC

21810 52220 71550 97107 56943 79003 41827 34097 88960 69650
23925 69285 90255 12172 63155 30474 81064 88881 51718 56864
23384 14714 64072 94655 92715 64713 38109 21648 94833 26614
81804 99287 19757 39454 10061 75590 50120 04170 41399 87381
66120 77093 09212 35291 14237 82300 67250 29937 31910 03741
94031 32738 45359 43097 25873 39801 82738 54298 73213 82296
69809 90631 99927 41792 00316 25393 70323 03954 98265 32007
93489 99065 14280 34558 19704 02811 23225 64667 68576 95729
15288 85659 93615 04824 97710 69947 12917 75711 49347 40577
60640 48797 95239 12879 38982 31095 00000

65884 97267 42143 86713 37502 91005 80788 88221 78944 30129
47978 42084 38101 76621 41295 49561 63057 54764 76456 35798
87313 46003 05399 58989 69405 55791 94227 18877 29107 63336
15715 37989 47395 90199 36037 14076 22378 48675 00438 67178
98365 55901 47503 29753 10276 24618 06738 53308 10553 66536
59134 29982 70799 69235 65409 52496 75300 32531 91610 60927
48627 75257 86769 49728 84517 32065 00000

10177/8076/6974 kHz, 21-04, 1015/1025/1035 UTC

17016 36008 72614 04726 39896 59953 61848 07310 79345 11997
06899 10935 60309 85985 97585 42591 82262 76919 72064 83857
82089 89122 26445 62724 11914 19125 97940 13076 55302 30434
07484 31552 30283 62392 72762 86446 52625 40305 27597 58356
57804 79019 08601 17247 05096 97152 95072 65634 12236 84154
13039 02573 94093 87381 39398 88120 03771 11387 67103 12990
99592 46597 17310 03059 86408 69579 09444 13430 04649 82066

25104 91729 65571 80954 26764 15337 56140 76428 17187 32220
61967 00434 50501 60073 81762 72655 30880 23449 31716 16218
59752 33558 63271 40264 17479 40440 42707 31629 90457 12175
65973 22775 79552 20844 07222 28192 50829 39911 24466 66428
14500 82715 70800 09972 43032 36766 84634 30136 64356 73531
57358 29161 91109 38392 01892 76703 71846 50470 70551 92913
75167 66996 95667 45280 42688 91928 51397 51430 71800 33486
60158 05078 14150 40302 92140 67299 00777 70873 31311 90329
29853 76002 06368 66074 77960 98915 10069 16499 20829 22736
55379 68118 74497 20021 41866 77742 92818 84023 30800 01685
82243 46391 52366 25619 19835 10974 93455 97255 85440 58425
39455 29054 43960 01310 68480 63126 38652 94363 21484 15548
81406 29639 96688 42241 50937 71187 41763 93635 34815 08982
42196 50281 76285 36769 29299 56602 11816 83535 56276 94997
10293 53269 15793 67439 49829 52710 97490 76800 93092 11785
08879 25058 47121 26391 08044 70592 18536 78247 21615 11748
00110 11468 46411 88855 49619 70573 58230 21894 46916 29608
76196 25988 40166 67061 56113 71928 17174 66277 11258 83888
62756 46039 84055 91549 88079 51016 17069 78793 42906 56764
96741 96177 46699 68962 68336 29361 99496 21572 45495 40670
58523 03622 62872 26009 91453 69273 45268 54276 42272 10896
91704 81500 70677 99801 97882 56857 50947 24353 65449 62780
41224 80115 71526 56336 59140 91753 96924 04059 24735 71344
36492 27420 56585 42819 40021 01149 32111 87186 57169 71552
47962 88260 84813 87053 41452 83557 40289 58126 58956 50051
08936 88800 82227 79489 39413 46949 48555 22945 85191 65525
25711 09283 15681 91947 27613 67257 45423 27814 81659 05897
54793 26135 83647 32883 00632 38281 01241 15604 40265 27816
11897 14572 17341 93413 86215 43888 82910 68050 52626 38452
50213 86649 04367 32591 06584 39367 34681 79804 30923 52718
11178 68311 90179 65718 25291 12083 13268 93226 77764 22053
65867 93695 86125 87191 74537 83492 25052 20125 73586 64991
35599 47004 73131 60630 64205 46287 71788 70104 17425 66142
62426 92892 43313 75151 04429 83306 75419 25996 60893 30247
00310 36828 24211 78850 34559 19996 78463 36222 22162 12826
72074 28433 88281 90140 99147 00983 10294 63200 12941 79900
92043 94764 19901 35677 52270 84948 27705 17219 63123 07569
45741 33441 00000

10177/8076/6974 kHz, 22-04, 1015/1025/1035 UTC

24748 13202 88813 74612 72508 82505 40068 15806 09235 50687
57551 55124 10554 06998 18049 04205 48206 52887 17563 61789
84521 18141 70723 04508 95116 18126 15756 05508 30755 06832
98468 48090 54305 05408 33663 26560 13729 10871 67438 51466
37051 14681 88806 01433 60228 85863 64057 88747 23877 98369
92322 30917 99778 07367 05762 45358 33108 04139 62821 09432
11326 04289 07992 52988 95667 48927 96508 75621 76165 23539
07433 05816 36142 24212 93549 44182 37122 25920 41511 57955
60079 34081 00000

08957 27622 14733 32999 31876 58812 55511 70305 31841 57762
05536 95141 21294 89868 82783 27352 24227 74011 51158 08996
38615 13406 68510 13183 24315 53898 71857 38939 21154 93137
17001 78044 26879 89067 14729 64784 89651 41170 30784 44548
94790 42900 41791 22209 50428 28750 64326 76231 01791 64378
99321 49435 28777 53248 58987 52360 06517 58202 68442 40163
33618 61412 59235 48986 57770 11159 96956 02743 53394 28850
10107 26245 31044 74740 12435 25613 83218 95775 35914 21917
96297 04007 16550 48972 83273 59002 00212 51232 16974 52707
60664 35091 00000

10177/8076/6974 kHz, 23-04, 1015/1025/1035 UTC

Null message: 5761 00000

10177/8076/6974 kHz, 26-04, 1015/1025/1035 UTC

34792 09006 47681 02831 31214 80201 04839 73318 01208 88146
85509 36800 96090 34224 95620 92895 38948 33749 86129 43349
48241 02726 30588 98563 64235 58770 73493 38140 45458 72128
29142 23859 27357 27732 35646 88545 60358 84226 93820 49244
69501 40906 45623 18150 02847 48500 71823 09731 60840 24742
13604 67483 23822 60664 47778 58744 19868 28547 70301 11020
00145 27474 67773 88241 13986 27415 81618 30416 00843 97783
94624 05078 41339 31408 94540 44006 34575 99844 94401 63625
93902 00983 14290 92540 78339 84866 54201 54637 01816 68676
12719 81182 87439 76816 31169 50370 58970 67027 67959 77745
86688 28478 32775 05945 29844 62763 35325 67188 42875 83753
28335 16968 37587 97225 49455 62358 18472 46219 91787 33399
33360 33051 57715 70979 06598 53930 75713 29665 46919 07104
84843 18900 47228 60476 16609 31030 18450 89647 28854 29579
24658 22284 71414 96211 11655 49785 88179 59832 46206 92171
85281 56247 08091 27130 20073 91824 02187 19157 90601 09612
82751 09741 30256 81309 07109 54510 37276 73585 60906 18299
93815 62123 22147 64056 54240 91871 56184 96539 07355 06926
58847 46734 42238 98461 89912 07930 72388 44194 64086 59397
97844 37755 91698 38599 09995 31466 86288 47871 68740 40922
81271 06518 06712 84827 22881 84255 40231 58525 31561 76931
91685 64658 49008 10482 53027 49388 13040 84033 45069 17626
27491 88115 52264 25704 19306 58900 37672 74922 00038 54413
67774 54413 73919 63667 01857 06762 59707 84625 25613 14814
18488 31963 33689 33118 04617 60549 90829 12430 82003 15585
26334 90721 72904 45339 41494 49131 31430 37429 34709 56297
58941 64556 73967 49498 03534 50672 71375 26059 10789 93474
39427 43438 17976 04201 33694 51452 08913 50636 11639 05057
71644 14290 62217 31144 26146 97657 85980 47770 14240 42532
30343 59267 68893 45278 09719 75674 05114 80019 65209 29913
99597 65674 43526 91164 51352 37773 99843 97870 40449 11005
54260 58799 27115 43418 56563 95619 58345 38221 38984 25416
74217 44120 61622 06577 31104 40123 80240 96505 83967 15761
91107 94582 94922 82656 32576 68820 60255 78369 48092 89646
73089 48476 40313 19250 63883 17801 71030 29938 85945 86746
86575 49929 38157 13665 73406 60028 42094 69194 73558 89614
15720 73509 14635 85386 10862 52418 34055 51296 06635 73245
02207 83115 76011 46439 74229 46065 67727 03832 25088 68948
70701 89508 47639 53230 53167 24201 18371 20490 93695 29160
60508 46690 46304 20438 59168 56707 06827 09516 08253 77544
72754 71216 93766 73675 13705 64841 43252 12963 94738 19469
96019 36565 19682 19348 73872 31304 86665 50325 57000 27889
73056 93250 94741 73480 91967 75287 05897 51990 87541 15071
48273 50579 61189 22659 62164 36435 00000

10177/8076/6974 kHz, 27-04, 1015/1025/1035 UTC

81656 07919 07061 08163 96807 61591 47719 86499 31586 90314
62283 97942 01339 98929 90460 93539 98876 14359 56192 14655
14293 78444 00608 01480 96283 48314 52575 89542 53410 96443
97785 98878 18745 27618 32315 45578 26326 54977 11588 30378
72875 02332 30697 83988 63194 24928 97002 73855 62707 65864
80959 02026 05551 90340 56096 48820 31684 64921 64102 41991
51430 74012 65941 56060 60901 90724 64941 71512 56737 44327
12795 48546 23599 51467 34408 95061 92858 03344 32530 33572
95905 26031 58111 96731 60535 56128 57316 06161 23828 98937
31137 14261 59976 61341 68545 13707 46492 37097 00000

01913 72253 53091 05513 46603 61043 73619 40553 31351 70322
36673 83947 13080 23353 26808 74664 42562 28671 35014 84230
35316 28293 68523 09522 54313 05014 56027 42607 77937 15968
84244 97328 51641 44648 26772 97307 46732 88572 51158 55064

74715 24781 15136 96939 30652 20353 87957 13506 63953 80125
57759 40146 00051 48819 10903 97507 61391 09731 94222 46497
61176 38061 00000

10177/8076/6974 kHz, 28-04, 1015/1025/1035 UTC

47188 31201 07034 28065 82612 27628 65689 03827 73361 38627
94746 58401 87496 89735 23049 16738 28452 66554 95763 65493
08588 01265 00722 53464 95102 20961 03835 37431 83008 31235
60784 09348 74831 33462 97165 65822 71742 99203 74278 05812
05808 50184 82750 67481 68028 17268 31176 40164 11878 76878
21963 12351 37011 88300 31581 41653 82835 80288 37384 57683
86639 60443 58202 33771 85947 45767 00897 88474 69815 37853
30055 02809 08725 91143 03017 64138 17790 47687 37426 72661
32946 36841 03480 71438 04815 63350 58083 85883 39934 32245
63076 83670 44039 83988 54738 90989 47078 38319 56741 26086
14659 70224 53756 36017 75604 66471 67885 47577 20313 36155
05117 68320 49603 73674 63983 98605 78734 97595 23623 40634
26298 13829 53410 15380 42648 76562 11367 23376 57576 45383
23525 10286 51917 62027 61436 23196 82755 95200 60010 68569
16945 26900 42878 07791 52608 78676 47456 51261 33319 01276
66908 36949 84639 76101 51193 04361 27716 01925 34373 99860
49607 65287 80385 74264 35043 18036 64458 58672 89294 10424
32358 29444 06841 53209 04654 98288 65534 07205 18192 88376
50929 23696 21962 82431 40484 84188 69550 53728 02309 12894
75357 15941 88148 60420 26773 52776 25305 82085 69500 13329
37153 59296 08208 84096 46972 37434 89699 73590 44764 78681
60797 70488 21738 53224 18116 61250 02169 17276 91915 18155
27301 51352 31230 93673 70992 57236 82451 82136 91781 37074
78552 34617 51075 03037 81150 37983 52122 90988 42582 94035
79495 76589 80192 59691 43731 17288 80016 34135 60842 68614
72036 03881 21382 48246 44217 81680 28739 46249 87496 00223
11366 04961 88916 46547 38617 16925 15090 48123 94885 14347
53182 46525 91737 48477 01610 19647 22707 82379 27622 38379
90468 45514 33972 68705 61054 23581 01854 55145 24806 82038
02297 46478 68762 46770 93207 49692 90146 90305 44241 23097
05671 97050 56692 44525 36312 05952 70592 15577 72276 54052
76204 87835 47823 69352 72097 21991 80631 86426 36990 15812
55421 83241 07552 61903 56486 62586 79352 21190 78845 26584
73135 23050 72696 17698 33619 28061 00853 24685 52998 14266
13864 76924 36347 72923 72491 75563 51096 24663 72239 34917
27786 91988 49625 32564 04276 89066 74869 91558 30591 14738
60708 43228 76612 59688 41996 43954 09779 63722 05807 44411
34996 84060 76703 34674 13945 60621 86873 13648 05965 89209
85817 56246 97717 38547 69269 76768 13794 72095 32053 11897
25475 60597 74539 71768 99826 96281 17416 32545 56303 44661
04434 68926 23069 94870 97844 50044 10207 94473 96183 47168
42015 79681 29117 26671 15570 36920 09022 26684 77743 56680
43992 40874 37870 65592 41959 57799 58244 47660 60611 29259
89634 90591 82805 39433 00000

10177/8076/6974 kHz, 29-04, 1015/1025/1035 UTC

62984 15884 39099 82262 26145 73873 19157 29108 73115 72361
29297 65872 75047 11523 67440 42388 57243 73606 98517 26752
52347 57647 71779 10592 20431 48648 10457 76152 78162 32173
28479 98631 04247 90289 53935 82213 13316 39795 63950 53218
15475 98664 86068 15834 03670 &1662 43113 44844 36079 31044
54342 10791 05713 33303 09041 66031 14407 57884 30769 35098
93394 78807 53862 85820 37656 25140 69531 78633 46215 51255
20909 60516 85587 40073 00000

82121 68844 73747 97107 45153 51798 93004 43455 65397 86470
88227 01840 33409 30701 48891 95971 24454 19387 17325 51737
14126 36325 16690 80807 15154 92014 08731 13180 58843 24602
67261 08325 69583 66158 78303 99643 05853 41481 02822 51904
66174 91593 63002 36359 83441 39146 37995 53221 56068 37899
80068 56199 89386 73472 87117 58763 45738 07550 92448 26838
26695 82737 57794 87611 35849 30244 80481 09142 95597 47585
50702 30455 16381 38496 19821 46818 41789 32235 65647 79871
17993 24471 65623 87319 60923 06941 13864 91848 19642 78065
42970 33985 59350 51706 36576 78554 12449 41097 00000

10177/8076/6974 kHz, 30-04, 1015/1025/1035 UTC

Null message: 5761 00000

F06 – FSK 200/1000

Link 00052

16209/14363/12226 kHz, 14-04/15-04, 0800/0810/0820 UTC

11166 00052 78541 14082 01519
54407 31195 55262 04304 58269 23202 04858 30446 36120 62931
63478 05336 24722 69549 45089 64497 18545 41133 77361 07684
93903 66532 04714 32848 94841 12326 66850 47567 79529 45812
57469 81339 75510 79976 92833 47198 81525 51361 44899 26083
83103 66795 18672 72398 74117 79893 78498 64203 01479 83293
52967 46466 75165 27541 73112 40827 10769 02584 23597 20295
96748 42788 11586 72328 03584 41439 82974 98736 77002 85646
40663 25821 82480 47595 44582 23224 93203 93087 98131 54896
38666 93304 50741 10635 56107 50724 71225 91621 11965 75143
71634 48409 85532 70733 86271 94778 32023 20064 35582 45917
67198 76043 29588 54354 40778 97702 90562 42077 90806 90761
99631 52287 96159 38929 96987 69219 69384 36849 90400 79458
57059 60656 51724 73207 39864 37057 06076 08930 49537 96893
43371 89803 44922 24105 06927 25441 14282 36049 38779 77285
96064 56104 86454 11150 35324 64489 00826 05313 17962 82149
00000 7984

16209/14363/12226 kHz, 28-04/29-04, 0800/0810/0820 UTC

11166 00052 15973 28083 01599
89481 61468 60795 76105 79553 23877 68925 76400 36120 53333
71253 62771 78313 12593 25961 23178 88802 77935 70181 96965
46872 42354 04705 42174 88098 85649 13169 75196 60544 53590
26644 37504 77104 13357 69581 69098 01531 77435 48037 93392
91591 13156 66118 43209 47795 80064 81595 82572 41117 62318
36609 03993 18173 88279 24409 05930 07265 54509 78074 80109
73744 96342 92131 63405 98136 72237 13032 33943 75447 54066
59406 56143 59101 40573 58045 04371 97948 36145 06544 19888
39776 62110 98533 80791 99756 92744 72458 89632 17278 33171
69822 08393 49592 81336 13843 95517 75712 41270 44454 24681
09006 79783 70597 89982 41914 43828 25734 27251 71240 80676
37514 06157 77441 28128 47544 72807 56355 66919 42200 47517
26818 52530 80392 07446 62586 68568 29264 08780 22024 68929
43718 28166 73969 00912 50741 28051 43241 26470 24446 75653
24203 83811 62773 70225 35839 56502 01795 58301 16767 42286
28543 41634 83625 38796 78326 07479 01291 83157 00000

Link 10053

18626/16325/13458 kHz, 04-04, 1530/1540/1550 UTC

11166 10053 15973 04001 00049 00000 00000 00000 00000

18626/16325/13458 kHz, 11-04, 1530/1540/1550 UTC

11166 10053 14789 11070 00049 00000 00000 00000 00000

18626/16325/13458 kHz, 18-04, 1530/1540/1550 UTC
11166 10053 78956 18001 00049 00000 00000 00000 00000

18626/16325/13458 kHz, 25-04, 1530/1540/1550 UTC
11166 10053 15963 25001 00049 00000 00000 00000 00000

18726/16238/13378 kHz, 06-04, 1650/1700/1710 UTC
11166 10053 78541 06001 00049 00000 00000 00000 00000

18726/16238/13378 kHz, 13-04, 1650/1700/1710 UTC
10053 10873 13001 00049 00000 00000 00000 00000

18726/16238/13378 kHz, 20-04, 1650/1700/1710 UTC
11166 10053 15973 20001 00049 00000 00000 00000 00000

18726/16238/13378 kHz, 27-04, 1650/1700/1710 UTC
11166 10053 78451 27001 00049 00000 00000 00000 00000

Link 40122

16325/14724/12172 kHz, 01-04, 0600/0610/0620 UTC
11166 40122 56789 27040 01709
29085 46140 43289 88525 37772 52377 57530 20222 24780 60407
14489 48337 78351 75192 32704 09198 73269 11337 63687 27812
46846 91810 79289 23474 70724 25674 54097 90470 98155 63255
35025 14828 91467 52189 15316 13020 59378 42793 55111 03600
58878 16175 15794 47665 41335 33551 00297 19120 47537 30183
16539 90656 81341 02382 06214 46390 16627 61021 06080 57101
17233 49983 33967 79008 74578 52993 16677 62013 92635 37263
01964 78356 74968 07391 21784 07621 93493 67957 99005 39022
43675 18239 14758 76918 15837 27499 78619 60483 37265 64280
68819 33474 64810 78133 34649 25038 32652 57229 78266 27484
84943 10285 58086 81979 47990 46251 80931 08075 21679 50176
75156 38031 94823 78714 61896 41859 14136 23693 66660 54023
61483 17180 38447 37742 19145 76502 68554 47824 27739 12639
26294 77975 66514 50423 53787 03519 10695 34011 87024 55460
45557 16036 95388 86838 41938 53885 56818 17303 22859 61556
10804 66841 75939 90506 56405 14620 91310 37950 87476 43841
29699 06028 82280 58593 50373 60300 89690 83588 40168 00000

11166 40122 78901 27041 02369
79161 82772 17606 65425 46653 57698 33786 25084 93701 11635
71437 25744 21827 90331 25104 44112 09449 35383 25191 19396
63523 11124 16205 63261 63059 91002 32357 56604 36732 14364
25219 06577 41754 49571 23117 62298 36211 24427 26947 12710
62036 09805 72114 14977 80821 67450 11259 26911 29647 97870
97482 41825 89112 49267 72743 49269 80775 73436 91115 70084
36157 39581 31605 39208 04527 41975 80191 34670 91640 62401
85812 76222 46625 73324 19946 42033 39193 92717 94500 76877
94377 26486 17695 90282 76977 59432 92612 68043 42889 80684
88112 45553 99527 54542 36803 16395 42515 72668 39747 74617
60827 48563 82587 14147 27581 40266 92800 33757 18655 12213
92735 21051 26336 72193 28150 13879 60162 44341 76922 62638
52170 64103 67621 41884 08715 06109 62629 84705 76069 80895
85509 38280 11975 61415 97288 64065 80332 25267 51360 31054
11239 23582 81684 75533 93526 12519 03982 25785 92024 08279
34597 15169 06702 51610 56729 32015 15905 92706 88709 79774
70851 32466 34022 45862 33594 81024 17747 02629 75619 19525
39117 88893 79284 76030 94879 45487 09268 51551 53137 03235
46232 57092 82372 46817 99881 47685 65337 02945 43594 64324
52482 26295 37833 19749 34635 81628 34511 89018 39602 45546
79493 90801 82379 76304 55445 70328 23667 25138 32189 19944

16375 87523 16769 98190 44797 17822 20417 33370 86157 55736
84593 22510 49199 38024 33304 61679 69515 93905 43864 68589
66310 47590 53319 83421 27234 00000

16325/14724/12172 kHz, 07-04/08-04, 0600/0610/0620 UTC

11166 40122 85361 03042 04769
76873 54920 54492 21626 41586 77396 34396 23504 86491 98172
12784 54284 66139 82846 56874 21227 47654 96201 11470 27710
19779 16223 12742 60923 25081 63815 80637 72622 57472 59205
44578 26391 92261 40922 82147 09837 40908 08325 75461 35176
47668 73593 14898 76628 70331 34140 04871 18064 12215 01360
51355 09351 97628 46670 35829 54819 07970 50772 05326 82303
20664 67072 33303 66179 18115 35203 30977 02849 58865 05574
13855 62098 28157 60901 53112 62778 10062 45648 66536 46236
48392 39301 28695 45933 88564 34448 05040 76702 17610 05568
39620 92064 44510 79483 51096 83048 88061 43413 16742 16958
64440 51553 49123 39511 91665 16141 95140 88798 53141 93920
12123 94499 87470 03959 00653 60784 96726 37747 98830 56345
90366 47527 67639 59998 06978 23771 22116 35287 81046 97767
88012 32524 46927 30236 88627 41718 97214 71916 91507 44811
37692 07071 69693 40675 06050 15829 57207 41295 46564 16321
03468 62583 57916 72534 56314 58262 56346 78827 28332 70245
21324 57043 26174 93968 15932 27155 47542 82087 99137 37394
75550 35005 72149 64773 25125 51645 26042 21969 21149 38918
82841 31486 13031 03316 47250 53040 55387 73073 11205 75110
09528 24339 78462 06579 45422 09774 01375 29410 48852 13047
47081 98305 63419 77628 35261 98266 22108 83354 14672 96000
48081 69168 70633 46120 29412 25501 80668 38056 97416 04713
60459 94639 63297 23041 67341 58276 92766 52488 53488 25658
23356 26089 86003 16943 54076 04995 76087 90350 62141 80810
84473 38107 26419 11624 95328 24664 62316 15163 75787 53153
97770 67523 63325 70994 45049 80891 48154 50601 48030 58719
42815 06123 09664 51768 56175 32160 29297 63477 14000 75388
04541 78082 93298 75032 77391 09924 62627 33121 29260 97387
45533 00470 54629 89911 49331 89320 68002 01493 26407 48580
23846 29139 60214 62589 54200 59700 93180 59375 53667 13513
38685 39305 66432 98302 44308 60085 55037 71771 98543 39057
55573 36322 98146 58704 48987 14346 18319 86324 03192 77506
52916 43801 65660 28481 16854 88403 11201 58564 27915 90569
74588 29602 10139 19588 22755 53666 85975 73137 46211 68931
49402 11602 74397 35178 37179 83117 44650 97355 40442 50275
79460 90659 23814 54416 51734 85541 44216 78475 42713 96103
86587 94283 22273 00307 58672 05289 06260 45430 12088 20621
70577 37232 81841 21445 26688 36226 61495 05534 88236 09535
56167 21003 83467 11740 80540 25141 93137 93179 94094 29278
18599 59121 90717 15623 09745 28250 84908 37018 07512 63915
61744 35531 80614 76563 82812 40840 61211 20804 65274 34339
09178 35540 76272 89903 59682 00600 09854 27252 33757 08317
38598 38845 16531 73483 57141 76256 32842 30121 59781 06953
74885 88502 19357 77426 61613 50878 595784 3603 34548 09309
38003 54482 19718 74088 81849 99932 10389 06152 43821 58588
50286 51937 70145 06774 21995 04121 98001 74411 70213 36667
24538 58831 14572 87638 14649 32428 31677 88190 39714 05113
11090 61201 64486 27474 42474 00000

16325/14724/12172 kHz, 14-04/15-04, 0600/0610/0620 UTC

11166 40122 27859 10043 03109
35553 90818 73991 06593 91029 33943 45165 74512 62253 05126
61066 77289 09204 88715 40677 71051 93554 73228 02330 01235
86403 08759 44528 75475 76495 66843 38987 97541 83621 26193
53064 48233 06876 32745 43769 24197 62469 07471 90545 70581
90779 00377 59015 68489 37323 14122 12854 63138 37348 45722
16014 43691 58722 19739 92452 10686 82806 11423 35583 91986

28017 83226 84601 93228 45733 83142 09913 93652 43269 78288
74814 23299 13582 22187 65644 82486 76398 79172 07571 89506
60462 54368 08211 67487 81581 02662 96277 06347 96157 15125
47421 60786 34901 06316 14479 70254 46399 50888 04297 11824
05244 42965 68320 21911 64389 76698 99155 47783 56447 71453
50254 14793 73578 90071 20951 20266 80702 23626 74005 89985
41683 41121 77857 58222 63197 27576 90779 57227 85962 58917
29104 27136 78018 87133 86725 82224 09743 34112 98059 94446
15299 17612 61645 80197 70189 57801 66575 01233 39616 37796
88955 15691 77327 16645 50562 40144 79640 18186 56899 08628
24322 44230 56833 39576 49033 85488 91003 46610 48995 28695
21185 54104 98595 83359 57795 03479 26601 76588 27738 61158
99668 89399 49758 64115 93852 32993 09517 63960 58779 88388
51546 55497 04191 57888 30294 00696 63538 01787 87441 84002
14311 58773 47668 59947 59792 73468 50069 78963 01933 79524
57403 02375 60018 11723 10357 42474 14829 45524 19016 88643
82974 87487 08742 05442 51093 65017 62609 13606 24599 88848
27638 89895 70668 86737 76960 46728 60155 31775 45145 77535
38115 13767 78852 78773 77634 27118 70004 84541 96640 73659
63667 74727 42400 03850 57819 42629 73367 44803 37215 32983
93090 88555 08506 86348 15859 39040 28824 50765 68764 41176
45011 46644 59892 40533 85675 95813 67299 46999 73271 50659
28485 00884 48388 84311 35042 64904 23425 27788 62162 90495
07857 65065 87703 31854 72267 21981 80484 06197 43336 09935
62512 23632 46970 10302 74820 35104 41776 10513 43308 00000

11166 40122 71263 10044 02629
10038 27728 32371 74742 98412 81052 66697 37143 25517 98211
91440 09406 98595 67651 84937 38750 06461 71977 27962 42785
80883 63678 26103 40167 43638 69080 73268 86823 81371 31452
10972 91183 15495 29213 63121 06845 59283 30174 50977 26120
79366 67755 17978 22910 03805 50106 19108 18314 43934 38082
54518 67444 22168 52999 52054 90864 22941 00118 28417 99096
08990 18777 83606 83627 70150 95140 08369 72861 96858 98461
09307 76452 95556 26836 81360 66444 88167 73353 82341 68678
62849 48604 89193 62878 68201 20464 40695 14875 68118 57111
96259 89391 99472 84193 65547 16836 99819 92099 88561 12528
97307 54260 70919 71818 79984 42433 03990 89508 86683 49881
24575 77037 86680 58413 93842 75851 40311 10201 00168 90407
57723 70323 15602 89239 97973 90970 60638 47535 75634 13242
56957 29640 67112 67482 72865 34960 33858 58090 91076 55663
59942 08426 24017 85129 18034 02003 57775 34752 27637 44083
71613 86650 28308 91511 20041 39814 22192 66022 41783 13134
05093 28353 24105 35781 62101 75118 80905 06429 07452 56865
36770 82257 73314 40763 34168 83687 77193 66361 05975 25768
22630 67848 80528 12165 12894 61250 11377 52685 82346 20014
48929 90271 75172 87400 96188 48412 26159 99137 15752 34887
23214 14760 80266 62812 56310 81079 83532 74901 82542 76222
54442 81886 61986 07670 40924 51034 44045 62742 56113 05705
08969 34957 03902 21877 94243 74707 26077 32585 60526 37694
38229 76206 76819 29550 46614 49525 29571 70085 63165 51533
85388 25616 60829 28877 62052 82776 36430 58911 87521 62286
73233 31283 51607 96094 20410 13991 80018 16337 31580 14852
44260 00000

16325/14724/12172 kHz, 21-04, 0600/0610/0620 UTC

11166 40122 12547 21071 00049 00000 00000 00000 00000

16325/14724/12172 kHz, 28-04/29-04, 0600/0610/0620 UTC

11166 40122 98654 24045 03349
98355 55958 56045 52319 15254 74581 03702 82729 25107 98695
27714 65994 87429 90205 34264 91302 14549 17659 75630 42775
15715 45541 40440 69476 40918 22120 36595 18811 41600 51745

96568 81724 90446 62572 59743 23176 27453 05625 11494 96284
24444 46152 83694 63616 85235 33194 46335 74029 23636 58324
44948 68534 86459 39475 63512 13581 13750 90808 17538 85236
53400 64555 07018 52677 72349 75762 83922 34425 31556 45893
13942 25793 16922 26207 37142 20939 43363 86867 57245 78003
74213 82708 14209 00744 23149 31591 19783 35105 30815 66309
60761 04180 33351 45955 99575 29978 64998 37705 26960 15450
61974 04943 46335 85205 59803 62676 94636 08360 01300 86176
29239 51943 97371 83768 35694 38318 07851 69729 35950 05035
34533 98217 01751 90569 43600 44175 02893 94376 59642 42137
45042 84692 98430 18895 76778 52538 30665 80939 70570 35341
93850 42631 07372 58629 94514 06023 19500 69232 67947 28292
71521 58415 87635 37695 83804 98396 41605 84007 28433 40685
17840 34359 52173 49663 65964 50433 06185 69869 27395 07937
87148 50403 51128 44304 19512 74904 37359 45553 33533 70526
76129 08243 18821 94355 73167 37464 58035 20717 80137 66806
70468 77778 71463 11234 20165 06930 34922 88802 68284 43338
68193 72172 74387 41134 98560 55834 76340 91675 67934 50004
03516 08300 50403 37108 02981 76028 94484 51807 83364 89645
07280 70491 06089 28594 22699 21187 78645 42126 20966 49812
29616 43147 91573 03711 70116 34180 56887 18418 71352 13910
98580 18581 12979 37717 54086 68978 81948 30666 75258 36573
26529 76361 66429 49540 95193 30130 44044 64206 15053 29946
85070 75831 89534 03562 56360 34181 19978 95252 42161 49818
80852 60638 11952 02055 03269 03004 95808 84505 46483 49565
59469 49171 62076 91107 96293 34996 80494 33449 78308 91841
74639 34147 33523 35794 80204 22910 41694 96774 774262 9124
65746 44357 63960 64954 61014 02755 73542 37449 29515 90902
20157 88084 11413 48573 72368 83187 30894 34465 87516 03676
38615 07206 60468 07549 17921 25196 66603 63582 47023 26244
03730 79629 45332 00000

Link 60070

9455/8131/7445 kHz, 13-04, 0030/0040/0050 UTC

11166 60070 15973 13001 00049 00000 00000 00000 00000

9455/8131/7445 kHz, 20-04, 0030/0040/0050 UTC

Link 60070 null message. Too weak to decode

Link 60146, 70103, 09501 **PACIFIC REPORT**

13370/11538/10614 kHz, 01-04, 02-04/05-04, 0200/0210/0220 UTC

11563/10216/9417 kHz, 01-04, 02-04, 0300/0310/0320 UTC

02-04, 0220 UTC: Wrong shift, undecodable

05-04, 0200 + 0210 UTC: Wrong shift, undecodable

05-04, 0219 UTC: Carrier up shifted at +250Hz, then switching to +500Hz and 1000Hz.

11166 60146 00000 01030 04529
07590 34035 38742 66319 57526 70826 01885 96209 69182 96671
51647 61276 43669 54211 61658 06793 67964 56440 62398 87661
04168 26716 09985 56137 46814 79100 56631 57830 21699 06216
58697 15720 24641 66819 83269 06825 23623 90254 99225 61248
72753 40007 63701 38272 11477 03507 39903 59182 47477 00405
07214 01534 46714 26487 49514 84509 79018 75418 32669 00103
92699 05512 07107 69766 16587 43702 96436 31253 12952 43912
58040 85312 29756 42002 26571 56938 25633 74491 76297 50857
66086 53234 63241 05939 14293 13239 33031 78225 64989 75823
05414 07259 94858 94287 71374 45391 27847 74291 63778 54779
38880 86130 87495 01741 44375 11091 19930 03155 53022 89075
17899 04606 75244 59689 91796 94957 14802 13961 32982 87028
90945 98907 05323 19082 64588 42112 36840 56790 66907 88506
72392 00389 53836 66557 73321 26683 34863 26022 75017 20608

49587 14485 38329 76032 90468 84846 55759 70481 95202 50956
98380 43474 57168 33575 14414 33166 27365 63864 15406 50973
06314 36579 10939 98879 49313 30150 77810 59100 33530 35854
74633 10801 60336 63254 37772 53553 91333 14095 19570 42216
41518 41839 54799 62931 77998 39041 66269 04920 97728 19739
45536 07763 82673 89053 69638 88862 55863 17180 39817 80767
86751 59960 53140 33046 19339 93234 42971 58394 21482 53135
49230 27678 78833 99536 04374 43582 81844 44834 46034 47564
79278 15240 92257 39791 96660 36787 40277 16761 43104 63230
74760 56274 54963 88026 96463 04472 49727 07586 07236 44597
88615 27979 12308 52196 71295 32289 25804 66418 11173 50797
90413 32130 64679 01186 47158 92507 13007 90948 16201 36810
19716 99197 74618 33018 12666 80049 42091 00015 63697 54783
10437 99015 64498 84953 77930 48914 22116 43648 74351 95247
22516 27083 87676 87464 35657 73706 28392 44169 60509 83020
92320 11059 33439 51290 07935 41212 48422 66339 79072 52429
62505 28613 59006 41314 84960 90695 16790 58785 73567 32479
81837 76688 86465 14158 77655 00224 63000 74244 80671 05849
32027 64796 65107 09369 71078 41029 19814 93881 64854 47519
48022 52276 36471 68174 85940 23971 49889 32157 01139 30577
06986 92958 56651 40172 87677 22801 51744 14879 06560 89556
75275 21431 84481 08384 32597 09413 58499 85247 31924 86864
78651 94523 41114 47934 64977 57878 50798 32277 23240 16601
04793 20869 42768 14578 83740 97940 24871 34103 52898 33712
15249 51709 10041 67611 38856 06203 94385 96676 60633 96091
42494 98808 20562 48599 02086 45592 16468 27450 39698 84335
33026 71602 03132 94053 40376 82136 24615 45052 10826 99467
75637 16819 27044 38084 09372 53901 80197 70984 51633 64457
81470 81019 26317 91178 35397 21308 26239 09250 48452 51926
65325 31061 71325 45050 73094 22335 98331 75751 17350 59374
72386 40613 66044 82106 68984 71372 24232 22620 57614 35773
30450 00000

Note how the message serial numbers skipped from #30 to #32. This suggests that message #31 of Friday, April 2nd possibly did exist, but was never sent because operators failed to update to the current day's message on the 2nd, and almost failed to again on the 5th.

11563/10216/9417 kHz, 05-04, 0300/0310/0320 UTC

11166 60146 00000 05032 02679
00094 84367 82096 04729 73679 51703 04772 92912 12755 58460
98501 76408 80153 23477 55789 84310 29236 27980 29911 93719
74094 60378 27635 37086 45019 87326 33288 66287 27648 43247
25104 78139 09255 55492 69802 31012 80592 47341 06317 07253
66751 86019 54633 01095 85454 67918 10650 36740 56224 58215
13024 46310 08881 27074 92915 62342 64779 49611 42589 04529
89251 61826 63792 65379 38662 89671 81865 24494 50548 93453
36503 46145 50246 94757 85118 39840 72472 78077 79744 88559
21277 84337 03400 74369 16812 38501 76870 56065 02362 78445
71844 78576 10056 77294 91317 18775 08716 76396 03235 97417
82266 71131 38286 11872 12152 16744 87798 69339 62193 46373
62670 25256 89321 18491 99266 56547 28638 35906 23237 24445
26210 03553 07175 06532 18078 17227 83058 02721 78876 00468
95422 44840 88528 31779 06186 64528 90445 29357 87074 99103
39661 85538 60585 40126 64352 68134 75417 54306 89170 30850
27316 31481 93832 99970 61262 39310 05395 29511 15955 89418
47665 42002 96500 44630 96176 97111 86283 22022 12164 55291
33911 71454 53986 28617 76213 34281 89421 36040 83207 11922
57285 05204 35968 98987 51798 88047 73353 60641 28146 82348
68510 58886 52669 76424 21107 57468 46117 59159 76222 60074
93410 62551 05834 61526 18340 28966 13839 16645 46646 20290
50555 56481 05919 11155 47621 06592 35740 33445 09256 87064
06535 64252 20792 98954 70535 74476 60440 26848 93317 80262

25211 12216 39346 64455 06934 77264 09956 60255 79308 03953
57206 14281 81938 97882 22069 71199 12262 91733 70352 47138
61340 67933 24827 84047 54427 05265 16974 02209 82260 79075
06809 93075 34017 69793 44199 32265 00000

13370/11538/10614 kHz, 06-04, 0200/0210/0220 UTC

11563/10216/9417 kHz, 06-04, 0300/0310/0320 UTC

0200 UTC: Txm failure, signal went off mid-message, and came back a minute later still mid-message.

11166 60146 00000 06033 02709
47278 51409 75135 45182 57785 84137 15026 02345 14488 33715
51339 16547 01311 10071 60246 76334 74431 36359 43834 98650
26172 87144 14739 20780 88426 24329 69556 36128 55346 29276
43206 34790 29931 54562 61437 34849 24247 43796 33673 15326
67940 92938 53368 86727 04741 51568 98073 60138 81637 87521
46407 00773 60425 63354 54084 76946 06293 98051 56244 40393
33153 12433 88210 98863 10405 81685 41910 66952 60799 43464
00123 06081 04111 34992 15739 89576 26294 57608 28243 53794
78822 92190 34574 21204 37885 13895 56581 06389 78134 79647
72237 40893 40673 86835 02820 77860 99967 26616 73231 62378
59375 80297 87650 78503 29969 32226 87707 08869 72354 97611
85359 67836 06159 88731 87671 94111 16888 67950 55664 13781
14831 60999 64448 09688 25698 28937 56799 58096 17699 22250
07391 18575 94717 65513 39850 88050 10299 46055 63841 54946
82119 05064 24344 14361 11633 54574 80342 30226 38584 68773
55081 55363 85068 23050 25100 45397 68830 79250 40222 27449
90490 40549 91689 09555 24383 24395 70624 41742 67695 26956
84020 64708 27598 77509 20429 07028 51043 06211 82547 16839
26936 73673 28892 38934 15351 35809 91730 73204 83486 42355
63478 75361 53047 92536 68743 85890 88739 96282 64190 98158
82566 14465 33439 01621 13612 76558 69157 61060 87999 99194
59557 17807 88717 54026 21470 23858 89990 58344 47188 44854
15893 86891 57268 92834 47885 28296 76479 74718 10969 34585
75076 67445 93131 37185 42601 55710 77795 27882 86386 93241
93926 28143 71954 73545 13517 95268 47499 21058 51114 38790
19634 38655 45090 45560 72604 72436 25335 36977 48137 79738
97063 06768 28123 11307 95424 12779 87324 43566 33268 00000

13370/11538/10614 kHz, 07-04, 0200/0210/0220 UTC

11563/10216/9417 kHz, 07-04, 0300/0310/0320 UTC

0221 UTC: Late start. Wrong shift. Undecodable

11166 60146 00000 07034 02739
17091 31209 82245 18366 22348 77551 46944 70371 42808 71354
20255 92292 98688 29312 38648 06501 76929 36487 54277 82912
47885 23531 89801 56875 73519 01416 80815 85044 05547 45874
66807 43940 96948 48742 16594 00860 75306 78372 99160 11850
51391 16326 35859 26408 61438 62512 94878 03618 66562 25988
13944 69390 57724 43570 62178 69514 39714 93481 77059 98185
92570 96198 37410 06717 33877 19694 58362 22117 30378 31262
19233 30205 32349 63112 60249 02982 29155 83923 09049 74910
49440 93534 22919 97823 54387 82979 57678 29118 97467 27029
99171 32952 49154 01449 18291 99108 09992 42146 35468 09223
60499 88402 05587 05064 21314 77376 59231 38554 22039 82055
61226 08210 02213 09867 72401 11704 92840 04102 25508 69217
51943 15378 51242 97293 52531 35295 15297 37851 46474 09495
52393 72079 52669 72293 08210 73866 42980 70091 25177 82477
24358 65736 33039 99157 40589 41035 30153 37339 42117 39589
66436 81159 97365 17156 63921 31967 43998 91719 35839 47492
03563 10450 90177 03398 07951 75744 28652 31862 11107 97543
77019 16919 84437 64104 07678 51208 19342 48406 40497 83846
85309 92408 32795 14101 17026 36308 94424 10545 28914 85017

88887 60393 80564 29031 06428 78702 41467 61877 20027 32117
28512 61334 60253 56855 14670 26608 69896 75628 32308 88656
24320 43158 19574 35839 28479 75012 83272 22089 26529 39412
76700 49794 84979 16728 15845 44573 35311 56332 82407 64128
87008 85505 87078 08373 46937 50077 91505 23013 06010 91497
12385 13777 79070 90018 56127 13472 08943 28676 57520 69066
70573 57764 20840 40970 36210 64480 86832 31721 87556 77436
74019 86244 85834 60718 67752 30884 35692 77187 55461 43393
03897 34271 00000

13370/11538/10614 kHz, 08-04, 0200/0210/0220 UTC

11563/10216/9417 kHz, 08-04, 0300/0310/0320 UTC

11166 60146 00000 08035 02779
92115 84404 24303 37783 08646 72856 31402 76671 16045 54626
64045 58373 14523 84656 41355 75535 27545 56413 86398 97193
43714 05079 10907 36072 72043 77640 34452 88253 59034 12055
49044 99895 41018 92689 65071 40688 30184 74217 99526 88731
57739 91157 92455 56535 22628 95242 62565 12811 19264 87817
37933 79757 42701 39432 22750 10522 94676 13834 86027 76516
38982 38548 83233 19303 79579 89215 46754 46695 59911 79901
06159 77800 06840 76534 24177 66671 67654 75688 59339 59257
13577 15881 91215 63343 08219 13575 69187 36167 64406 41079
70696 19400 37828 88531 79895 76171 30934 77145 22659 09846
05530 15921 18865 69207 27495 18998 37911 69775 92069 25835
68385 85907 03147 91420 37834 93396 05004 38678 43567 67246
89913 90273 80435 64301 30071 22003 76517 45440 07276 04952
72654 16992 38805 28602 06772 96094 22914 22099 88917 29654
52404 15835 77971 21607 69699 10566 95941 48177 61851 46221
40799 65805 18938 87623 83789 41435 04272 69273 62150 59859
09862 66421 03177 87800 95563 84582 40571 99416 35370 84702
09021 92923 19254 86155 27930 53012 84023 14760 10252 38757
71619 88001 57354 01707 38285 54650 25863 63825 63057 30965
77407 09994 29012 00655 47219 74748 75697 70813 92515 27941
46199 00987 06606 89018 77271 47576 09654 24595 05970 90759
52041 09021 91230 36124 91268 52623 73820 08189 28323 27309
23112 78011 14463 44220 44108 92061 64340 63126 43157 94557
36423 38246 75798 60441 66623 30180 25176 81186 66100 38637
84453 70630 19150 35664 41668 83008 42138 04041 90474 60384
89400 10537 15188 51661 17055 68726 23597 70367 40662 71037
25960 83391 47670 94725 83629 47867 50583 11465 75749 38391
91787 55233 57448 31755 35979 35275 00000

13370/11538/10614 kHz, 09-04, 0200/0210/0220 UTC

11563/10216/9417 kHz, 09-04, 0300/0310/0320 UTC

0221 UTC: Txm came up abruptly already started into the message.

11166 60146 00000 09036 02759
31683 02572 08109 78188 00253 92358 04139 55834 86029 59284
80440 03034 37090 23004 06647 99750 87304 98156 57402 01425
99887 05867 38589 13797 60259 31812 46443 32285 91670 98069
95529 25592 92005 40920 76501 68245 15227 11792 29579 51748
45879 43537 44688 29032 40098 49234 24203 71896 31563 45687
69213 46124 25823 18829 75275 33961 31449 73200 48566 58647
01428 32702 78383 90681 83258 84799 26943 40522 01170 85381
22382 67387 18908 66436 65934 58866 56528 13761 89197 61018
59626 06872 22443 63639 44450 38309 59886 70402 67324 54522
32876 08541 91836 85531 26932 57775 52206 55536 03564 03163
36290 91679 12810 41558 36645 73133 07446 96382 43105 87714
94782 20375 75291 88193 87001 91017 78508 65516 35962 28332
31447 81088 63423 89718 39153 25344 22607 21539 09679 94767
52052 72120 37862 04551 07686 95878 44685 79097 84056 03239

45617 87537 60672 36039 46417 16447 34360 73121 89802 96970
23609 95776 01443 28520 55820 67745 08699 66240 73404 09450
30563 64443 19664 71162 62221 93171 90395 34782 02683 70106
62159 98903 98916 74985 33143 26894 04925 38738 37553 62623
79200 24507 19494 43573 68997 42752 77243 65995 54855 67632
13883 81797 53814 46829 55213 31869 04765 22034 20888 45509
84357 02250 59711 60662 26916 57125 85033 44637 46798 22487
71178 20008 86630 35270 96846 25372 39861 40034 46429 65659
21066 34242 05163 31688 82446 44499 09080 93632 99953 50938
35675 98118 77488 01934 46231 23607 42591 86338 15747 73777
32083 55424 11396 13576 91084 11719 05462 77633 33846 06925
33678 05739 39841 16107 34926 85034 83536 80341 33204 03657
21311 34999 47830 45477 83920 65874 42801 80648 47982 60318
51247 31637 84889 36273 00000

13370/11538/10614 kHz, 12-04, 0200/0210/0220 UTC

11563/10216/9417 kHz, 127-04, 0300/0310/0320 UTC

11166 60146 00000 12037 03749
96660 55361 03191 92416 06144 23827 37771 61621 08986 98578
96578 92524 05923 85922 99206 98395 14852 08022 94924 92845
15128 93174 57816 84252 13456 73999 21462 67940 98544 29475
32867 14555 76725 31752 30311 78065 05707 83703 74810 71830
68665 58124 89883 86171 55856 74530 89303 45887 45933 74499
97526 31143 04155 81472 92482 10183 39682 55978 25421 57289
89142 82196 97487 54439 18645 46809 97733 00088 61452 96074
32236 73513 33470 82064 99013 28177 93768 33990 88442 12512
42304 15574 13837 41598 72037 54388 01899 68157 17635 54104
97712 26288 67932 25588 63990 46409 34370 97784 79225 64818
92557 94327 64476 76326 39178 86793 93436 03391 31414 60577
65506 80189 01073 54280 46530 75079 60612 58589 06900 99862
43247 85551 11714 79319 44326 44206 42665 79416 56162 83496
56366 17656 13512 88409 08777 03988 91882 40269 00437 85726
25863 77131 22193 94904 39658 15217 06091 21513 07023 17306
11138 61050 82768 19060 98611 09829 73048 49172 76615 06477
36599 04322 18548 43060 34118 64833 85192 94277 67985 62009
05109 38160 79493 33056 93011 66704 95792 24541 10819 09894
43729 30330 01074 21530 72757 74927 47410 00323 54136 78170
41757 44667 48567 62201 62974 64554 59491 86671 96591 99040
14204 23096 50361 12732 39999 04314 45283 69697 27521 09977
86823 08274 98500 74016 45983 65176 20087 25019 04921 22371
32937 95444 46818 75129 85268 60639 94663 44724 90058 93560
28658 84181 47566 46173 36912 50540 00386 93431 79142 42054
13199 00808 68029 23770 94422 01284 97952 89927 01943 92758
75771 36606 00114 91803 33338 43064 60216 04701 26444 85217
21559 01700 49882 29668 55414 05447 23297 81750 98970 29500
27536 86008 51496 27882 96171 02563 49889 41610 91883 07784
65821 53134 22401 92722 91639 84618 75670 57738 07235 01014
78959 26745 45045 03850 11572 29533 95401 26687 25859 25588
19385 68169 56223 67858 61395 23608 20798 29893 78610 01040
45487 44804 29534 32697 65060 29478 88802 17822 80980 92477
80462 57771 80663 49079 46881 69334 47846 91866 95494 87224
18757 90341 90570 91655 63776 17961 82190 21959 99270 30065
89607 62176 59289 41116 81202 09558 81814 74692 18201 61909
89247 84673 54351 84724 67823 71055 08746 44041 75634 38827
53971 15955 33960 73362 86784 08734 81579 30738 73488 58469
96762 66445 37372 00000

13370/11538/10614 kHz, 13-04, 0200/0210/0220 UTC
11563/10216/9417 kHz, 13-04, 0300/0310/0320 UTC

11166 60146 00000 13038 03549
80011 01924 75093 22696 12953 67863 97590 32270 11794 44557
31675 46693 58508 24066 23666 02615 36610 00315 99901 90302
65287 83466 57364 00487 02367 58532 75479 77163 77074 92911
72567 93535 38518 22541 55338 93298 30823 71348 34910 64430
30874 83692 07754 37702 09586 74475 25026 27073 02652 26628
98712 54173 01697 90634 18034 24056 01783 65806 74529 44404
66197 67968 19285 05379 94464 13275 00715 62312 04519 72811
56354 88402 64969 77693 57091 89631 38411 79340 27280 99064
21695 94608 89162 92743 94121 90477 05058 94338 09471 87974
15729 60766 92826 90029 98384 65946 28115 62931 92753 24891
47309 26096 68648 25317 57233 29821 33483 58962 64892 25711
03169 69798 87281 59469 84813 61322 56611 40744 44693 30121
56864 69703 59903 17890 52652 25049 77139 99102 96290 43128
27048 46501 24027 42861 67580 41616 77380 76145 54789 22491
10502 08446 64496 85796 69518 59235 13290 85533 54779 56999
52261 95501 01958 88470 31945 27725 42929 46793 61883 24025
32379 08297 13253 62921 51065 92575 38003 49056 21686 85552
02930 77322 98274 30220 62131 88890 15071 14744 16279 61311
05802 12620 32142 99892 29311 54566 20806 22534 62472 36843
98014 55203 46328 95681 75087 80242 96379 02524 53829 04704
12991 59738 23889 40878 52808 01518 86000 16228 47169 29644
49529 54903 78414 38794 77781 98017 50042 11094 79500 54893
11661 84589 69995 02439 24650 25339 50333 74870 79491 57800
78034 10941 00696 33211 27714 50888 00261 40639 65097 00267
65607 90399 82854 02869 92918 24525 71687 89914 01837 33968
25107 97690 92434 87237 01347 70848 30417 00136 90831 93518
71479 01313 62657 15460 60765 73294 88512 65397 68356 73693
67475 68777 46739 66284 00129 12083 21178 16624 85428 20931
48939 31918 38766 44127 08298 49804 54655 60857 03267 05755
62489 53218 94990 33781 48800 11265 95726 80120 44457 62764
86378 34605 00252 44844 43482 09386 99287 59728 86616 19720
79637 81729 82157 46484 65679 07715 64316 85118 31568 68205
59398 10689 45275 41309 24229 13739 66625 36675 34670 86638
97780 41656 85174 65108 09604 46863 85316 54604 92332 93302
64222 96250 04010 08284 18863 52018 15113 22282 67117 13824
72796 83946 38352 00000

13370/11538/10614 kHz, 14-04, 0200/0210/0220 UTC
11563/10216/9417 kHz, 14-04, 0300/0310/0320 UTC
0220 UTC: No transmission

11166 60146 00000 14039 02909
75407 13316 84257 80160 61686 84448 24437 32842 29997 80494
27046 07291 56807 25183 92638 90818 76409 53619 89972 68414
94679 74849 37604 74421 66223 51326 69936 66581 83331 37450
98693 77123 50194 44383 05736 20597 40805 23320 28161 63129
63994 84400 21627 82791 84028 93458 12838 75775 70209 13788
77124 88045 73926 85115 02062 77180 56574 56969 23059 34064
16795 18629 41857 19140 90470 92842 63879 92895 21911 85508
15362 45278 29666 08491 26209 53714 15407 17775 89510 24445
89308 34140 33650 96833 10380 38541 67960 15364 65165 59378
87838 98987 33267 93854 50277 62532 13120 30606 55747 69847
06458 65776 97356 23368 84908 29754 63243 19802 87160 66722
03112 26609 20119 34244 94889 58974 62523 15046 72397 61959
94425 58197 00004 27502 00998 91875 05191 00991 24086 74895
04959 57055 59959 79200 87024 49292 26684 20494 31739 63610
49570 79206 85662 29862 38118 78979 22745 71477 52902 14861
54031 97763 85845 48386 71848 68571 02299 11751 39398 86017
18377 88249 61697 92933 11994 61168 98804 82754 91013 48324

07270 50508 66980 64442 20743 39614 07843 78539 05679 64164
68127 58531 53084 11388 19981 20215 92226 53969 33544 22854
37262 26924 80062 78517 02710 48712 56201 67379 48702 91272
52983 76172 41974 28678 17796 01959 43497 19083 82896 88429
58720 99669 58868 86912 11342 99256 16448 59268 26556 98282
05171 64870 34709 90838 82274 98859 31302 28430 50284 73849
54281 50175 26742 62279 64548 29111 94484 41598 40632 89303
05941 09468 23457 73439 39860 61176 72150 65604 33925 46441
16816 98913 41679 47796 19225 02701 87207 47750 77346 68941
16009 76901 34672 42605 65498 60195 80255 65615 03578 03513
50417 29119 08703 87783 68042 13734 89898 62803 80420 22480
70155 57942 81550 36072 81631 51941 29861 45260 39288 00000

13370/11538/10614 kHz, 07-04, 0200/0210/0220 UTC

11563/10216/9417 kHz, 07-04, 0300/0310/0320 UTC

0220 UTC: Txm problems. Several short interruptions. Off 1t 0223 UTC

0310 UTC: Txm problems. Many short interruptions

11166 60146 00000 15040 03119
78707 36310 76081 95461 28699 70166 46779 65697 11966 88633
58284 61569 95456 88740 82150 47850 13065 65127 92431 74076
83835 44828 58348 31646 66205 02228 37841 15315 34219 83888
20434 31270 86650 97922 92852 18970 24980 47602 25833 78953
61150 13901 05565 23782 41044 16643 58193 94316 94627 08954
40832 08516 48688 84704 97509 34944 63106 03624 03505 08166
76599 63775 46488 28231 72885 76096 17924 11421 03178 20657
13161 84460 25978 89357 63656 39370 50089 44739 49758 91146
91782 49586 67497 05471 82073 47026 47821 88615 85018 95802
51703 56754 12999 90408 89571 26844 49902 20772 38489 96286
18163 51184 55528 03543 50578 23146 10771 86884 52851 11836
88375 83495 67798 90867 29153 36071 77141 85051 13077 99142
01853 15815 05177 62287 86956 68999 13247 32419 81749 39700
30808 42356 51368 33850 63763 77838 80640 31222 64180 40192
56156 39551 19639 86828 37506 94458 71588 16759 53608 84852
61137 93319 85081 08520 25731 21287 18579 87572 95137 20580
84040 98445 60198 63727 10790 96131 12755 69298 63418 37350
80220 68468 43389 32318 03205 86924 67299 79827 29655 09292
57750 65313 23924 18254 07740 26592 14231 25587 04534 16967
26932 37260 23951 20384 81042 19812 30986 98320 41456 60186
47729 73112 54288 36203 74498 77377 12791 39876 75135 24257
27264 20735 62406 78130 97418 41364 44423 30516 10608 62333
18051 10832 14380 98707 20218 86703 36787 15335 73077 33519
52882 53076 83950 77898 20846 03200 85995 44788 36177 72085
30534 62843 77394 03470 66978 07814 41670 50382 71292 88591
93851 13983 08922 05630 77291 91483 43142 36408 59937 00331
24747 27643 14111 70858 24023 98915 53415 24572 90954 87416
75208 80269 54575 88493 82083 55190 97430 71685 80786 53353
66069 76928 82017 58309 03503 20635 49542 72458 14587 66309
72064 70150 00240 39420 56282 56733 21451 91178 64581 50747
79011 40945 45789 31458 19904 51928 32431 18900 06291 40309
00000

13370/11538/10614 kHz, 16-04, 0200/0210/0220 UTC

11563/10216/9417 kHz, 16-04, 0300/0310/0320 UTC

11166 60146 00000 16041 03479
14968 00600 34057 75891 23157 01728 89729 50037 00825 64900
80443 81259 62307 84625 67863 98569 31054 45113 82886 80640
96406 47936 82662 34686 76731 71419 66314 68792 49829 66461
72780 74890 36575 18464 09227 64574 48713 30070 83465 24922
36750 04380 38810 86536 98888 33351 14809 20973 36925 21060
82303 09754 70062 96509 26232 52146 42573 95682 74623 03909
86241 17514 97230 64166 23532 83483 22221 52632 22417 55498

44370 44341 38803 91779 23205 54089 07492 45407 94520 87774
 67610 35244 43710 02811 33461 43896 14356 44822 46703 22425
 50508 52783 70840 06477 96091 49810 13911 73525 99882 61782
 90350 95921 99481 30987 57947 69422 82739 16962 90838 21905
 50052 01743 74467 31940 25978 41686 33465 11910 93604 33064
 28369 35376 50109 83617 82130 13366 06949 07249 22349 49272
 83117 84053 50157 27058 64900 52865 71710 12441 30583 28511
 53213 71767 63521 60962 85411 38236 02047 78563 68500 80176
 99610 82533 53376 51075 93628 84924 00178 26011 06450 07223
 40045 54217 26894 81786 51043 82440 45792 23293 84180 28784
 43969 62406 00464 11731 56106 58829 04924 64031 58914 35940
 88554 86136 57068 04203 14097 18876 65332 65529 06610 40054
 10305 15785 34759 14667 00243 87635 93778 53415 36381 00902
 26011 59209 64196 12630 39999 66343 88048 84051 14047 02039
 97642 06628 95178 25041 79735 54361 29465 20944 13547 54570
 84617 58950 73286 94298 50816 39739 86256 04567 30694 89140
 19956 89633 54414 77289 96621 93476 80792 67964 58654 20651
 70384 27784 33357 53747 41484 49953 70432 34606 44974 72257
 50663 01498 18955 93965 89230 99441 09103 21366 82092 05859
 65683 96584 68869 38745 53169 89408 10668 39552 33378 56769
 06288 47960 08106 99602 95243 10734 32148 71750 21040 91849
 32683 20606 53134 76076 95937 64181 91035 83203 07066 34290
 98968 35103 54205 40532 44533 42802 32613 34763 39817 05777
 09853 80743 08379 40626 37939 58646 26553 81336 23406 59121
 12504 18316 91213 46594 61474 68380 03444 96487 50662 92887
 18718 36068 62164 06203 03276 43577 97424 41687 29650 85362
 81617 67382 23876 95684 81420 68606 47178 28876 84596 39614
 23060 38567 14832 51542 45748 41345 00000

Monday, April 19th, 2021

13370 kHz, 19-02 0200 UTC

F06 containing only metadata block #0 (and a separator block) in its repeating sequence. Block #0 indicates an accurate block count of 1 (corresponding to block #0 only), but also indicates a message count of 1, with the first message starting at block #1. TX obviously broken as there was no block #1 and no block containing any actual message.

13370 kHz, 19-02 0201 UTC Broken F06 TX, idle carrier at +500Hz shift

13370 kHz, 19-02 0206 UTC

F06 88 blocks, 2 msg starting at blocks #1 and #44. TX starting with blocks #0 and #1, then skipping directly to block #86 and #87, separator block, then resuming a normal progression of blocks #0 to #31, before ending there at 0207z, presumably due to reaching the end of the time slot. 1st msg 11166 60146 00000 19042 03059, 2nd msg ending with serial-gc postamble 42303.

11538 kHz, 19-02 0210 UTC

F06 88 blocks, 2 msg starting at blocks #1 and #44. TX starting with blocks #0 and #1, then skipping directly to block #86 and #87, separator block, then resuming a normal looping progression of all blocks from #0. Short signal interruptions during the TX. Both messages are 11166 60146 00000 19042 03059, identical copies of each other and complete repeats of the 0206z 13370cf TX ones.

10614 kHz, 19-02 0218 UTC idle carrier up

10614 kHz, 19-02 0219 UTC F06 pre-TX tests "64646" (pre-TX tests normally take place around 10 minutes before the first TX, but not between 10-minute repeats)

10614 kHz, 19-02 0220 UTC 1 msg, 11100 09501 00000 19042 03039, see below

11563 kHz, 19-02 0252 UTC pre-TX test "64646"

11563 kHz, 19-02 0300 UTC 1 msg, 11166 60146 00000 19042 03059 repeat

10216 kHz, 19-02 0310 UTC 1 msg, 11166 60146 00000 19042 03059 repeat, no retuning after EOM

10216 kHz, 19-02 0320 UTC moved to 9417cf within a minute: F06 1 msg, 11166 60146 00000 19042 03059 repeat

11166 60146 00000 19042 03059
 97302 30704 56285 18403 31707 95121 38303 17885 24815 82814
 05790 91744 32770 98594 78290 90116 43330 41677 29006 39628
 67732 33752 68895 82650 30702 37774 84391 84619 00792 78417
 83410 82852 28242 00126 29361 75316 82551 23700 67815 72769

06933 87351 75559 62716 31861 83176 86675 58625 14886 24969
75384 32830 98898 08323 00290 56562 06053 48953 39760 95552
09506 10186 73088 34633 50188 55536 87160 29781 90776 87324
13284 11043 24060 57268 23885 84775 77893 59980 43765 08640
83910 45317 55577 37785 02209 10511 04250 65663 19165 58024
30003 07910 60588 30068 84682 02728 87395 55711 11071 26216
65989 71531 89879 46071 30531 01733 84106 62109 79300 08681
35433 07043 72317 49779 92377 05947 22428 01634 74854 17852
97029 37438 04864 07908 72631 68520 57973 23550 09433 85990
15286 73107 38108 63415 20591 30284 75990 06473 72371 12967
14830 60515 05371 09779 47329 11976 41386 52829 24630 44570
13996 60087 61948 36204 96899 95827 34538 07562 90557 22576
31179 58276 46816 43000 57366 51638 36214 55173 05397 33783
87644 69659 33543 98283 55079 61854 21484 32091 91018 58010
94204 03760 31378 78393 31536 79896 21478 86012 05526 80774
37843 14345 12828 11032 85484 72503 94306 26421 75360 51292
59022 22517 11699 78563 54811 56350 43871 97340 52629 36869
62504 65129 36851 45206 44519 97855 18720 70652 76780 06869
15122 73301 13049 02456 59885 09285 43923 62289 39788 79547
84453 88258 72449 88093 09123 00114 68320 20639 88874 39369
43928 79619 09884 81890 78583 36476 78748 82621 31740 87169
43800 00864 63168 21849 87208 79574 23169 44624 67580 77092
04978 04368 17729 74751 76574 22492 27315 08812 34068 28638
65027 00134 43853 40211 20008 80058 65728 46697 67208 35901
74147 84708 86344 24530 19819 14687 89167 27426 98808 35202
34714 45706 21360 95788 37236 58512 97606 94253 96489 93218
82363 69398 05081 42303 00000

11100 09501 00000 19042 03039
27157 81205 98865 26206 93018 77057 69317 26921 01258 53589
88734 08093 29015 09188 87407 87947 76280 63111 33178 38488
42007 79820 71865 81360 72197 53180 67004 80306 90908 05205
12338 97383 50097 79049 15508 05138 59250 30918 76360 71929
80743 50593 08335 62580 01856 65262 76343 21553 19380 06331
49600 30825 97774 43915 92823 59667 86782 18697 44256 48497
09462 25827 53946 94003 56565 30569 80707 27736 48205 20369
71216 05322 48736 23036 69677 48535 45806 45730 31485 07370
29498 14427 39331 34327 32511 18570 45193 88096 17310 90579
86634 08818 21189 74913 50864 32113 95183 66368 84979 34075
97761 22301 75846 24402 29245 78473 48044 29862 17884 23186
53306 35279 93535 09408 49914 74225 09874 09582 95464 86605
01070 42789 01450 85329 83888 28966 23098 99246 41132 49862
82901 84543 47361 21421 51274 21783 22845 07274 32777 40777
26672 28038 31346 40474 24959 46096 92960 96064 95085 30563
49194 70466 51917 32101 10078 72404 06926 22298 79719 28255
96159 77278 93113 59842 38007 10244 97583 85393 06671 82618
27283 85808 32314 48506 44205 03461 63792 12127 44140 65701
54931 02936 50996 50262 60272 98101 47954 34728 51224 47035
18859 97297 88572 77658 98319 60985 12265 89100 53924 98472
34423 60501 49029 39798 46516 30623 59549 50055 76626 27945
43187 69306 57758 55937 84552 31888 93111 63192 64578 07298
29272 53118 27712 29852 73241 12856 45283 09297 14263 66132
98505 39573 36362 79728 29548 47900 32547 78234 34102 51389
56613 46811 93898 13360 73476 26614 72602 16554 93980 32585
23513 95423 05119 48298 82536 94701 31599 77534 44832 46416
89692 57295 48601 82559 19311 61918 14431 25580 05239 52998
13653 23905 23467 54797 64133 24657 73556 59828 76951 00779
82982 94304 02384 74727 94379 98137 48652 05947 71642 99172
71857 34294 85807 86354 60545 96607 66657 11502 63334 58617
30986 42301 00000

13370/11538/10614 kHz, 20-04, 0200/0210/0220 UTC Header: 11166 60146 00000 20043 02779
11563/10216/9417 kHz, 20-04, 0300/0310/0320 UTC Header: 11166 60146 00000 20043 02779

Starting on Wednesday, April 21st, it's changed. There is a new frequency set. They must have also changed something on their setup, because most of the F06 transmissions are undecodable apparently due to a damaged waveform: it seems that many of the FSK bits get dropped and unset, and while it is still definitely F06, the decoder can't sync as sync sequences are corrupted, and even fixing that, block indices and contents are corrupted as well; mostly in repeating ways.

It also seems like instead of F06 11166 60146, it is now sending F06 11100 70103, which would correspond to the Russian embassy in Havana. Can this signal really make it to Havana, even with the higher frequencies?... It also sends two different messages each day, one at 0200/0210/0220z and one at 0300/0310/0320z, and stopped using serial-gc postambles.

14981/13983/13364 kHz, 21-04, 0200/0210/0220 UTC. 1 message, 38 blocks, damaged waveform
13364.5 kHz, 21-04, 0231 UTC. Using unidentified modulation, presumably short test. Carrier off at 0232 UTZ

[illegible]

14981/13983/13364 kHz, 21-04, 0300/0310/0320 UTC
Different from 0200/0210/0220z. Probable repeat of 0300z
 Apparently 1 message, 38 blocks, header + probably 256 groups

14981/13983/13364 kHz, 22-04, 0200/0210/0220 UTC
Header: 11100 70103 78965 22015 02559.
0220 UTC: Starting on 13983 kHz, then 0221z off. Switched to 13364 kHz at 0222z. Damaged waveform

11100 70103 78965 22015 02559
03409 61932 770 _____
_____ 2 65253 98464
77294 20284 29374 20152 98866 32417 04253 29975 46883 75889
83005 52849 17672 _____

_____ 22839 49104 64874 59233 99986 30712 54890 323 _____

14981 kHz, 23-04, 0200 UTC Header: 11100 70103 97564 23025 02559

13983 kHz, 23-04, 0210 UTC Header: 11100 70103 97564 23025 02559, damaged waveform

13364 kHz, 23-04, 0220 UTC Header: 11100 70103 97564 23025 02559

11100 70103 97564 23025 02559

49819 66001 33076 87455 20441 45994 77891 88050 67223 05096
30121 86607 16111 75258 35628 17994 44147 30248 80996 78871
28369 98873 03411 95854 80344 06436 41648 99238 08548 55333
82877 75721 75746 80772 84942 98578 43603 42508 78821 58709
21669 38560 80948 45002 62956 51833 70089 47452 73281 65595
08455 81477 26573 08732 11733 56848 03311 16725 97746 39703
94306 19298 68401 81048 37003 90648 04627 10219 76477 23227
78994 16700 68339 10975 15692 68777 65714 52990 52559 42438
57491 13524 84852 58959 50035 99272 95440 54630 09534 39886
01110 31040 07188 82644 69675 59366 34408 37222 87576 37109
80233 31496 82646 20700 88129 64321 31752 82434 34382 66217
07976 65144 95249 03905 47044 33082 95079 89623 37675 42411
52567 81178 65544 79781 67344 83639 65546 42401 14092 88642
62050 58046 36352 12227 01827 68453 57247 17141 09340 24534
49270 30564 19090 66830 30343 93169 64693 89672 78346 00477
29391 12463 81275 22427 87667 06521 65244 12117 92670 50942
67495 39626 89120 15889 46628 11891 56396 96763 47215 64540
11482 47702 61000 36644 26466 87814 51871 64314 40279 78622
36785 54085 69356 96121 39836 22018 46912 45914 61665 09469
45518 94840 31376 11448 62670 17559 33170 78522 74026 81496
24866 78184 84014 18625 90508 26632 28481 57480 94246 26898
09093 13884 27658 74264 64149 63786 67738 14900 05520 46679
87697 68652 76372 73009 87800 51948 09398 34040 38395 61719
90205 37582 52345 06306 55587 18052 29042 94266 81323 94270
37191 17041 39236 73471 28543 86393 28164 24916 99783 12583
08549 71595 44747 34186 00000

13364 kHz, 23-04, 0410 UTC

Message serial numbers skipped from #25 at 0200z, to #27 at 0410z, so it's unclear to me what happened with #26.

11100 70103 12567 23027 02579

55082 42903 66958 61047 70800 92296 69415 58115 16664 07328
88659 52398 66572 90273 75008 65191 50522 83679 78959 12820
44354 12810 32185 55387 32241 91870 47385 39756 40378 86181
97912 41468 65292 47499 63137 35267 45228 64672 50453 48925
48026 96810 29898 80059 73955 81164 42294 80622 96913 32903
66878 38756 92450 78967 59326 12697 26041 93196 96132 96420
00054 24911 86275 21708 82847 38137 36104 26331 68429 03674
78382 43034 40124 11162 01435 89003 36678 93375 39328 60519
44248 79905 09020 62463 62703 22413 05422 27378 19681 58667
90310 03772 30834 07538 36021 18337 29708 12119 09869 41797
15687 73202 10220 13037 93432 40261 90173 01240 02285 52140
29771 10681 59016 44644 42676 57903 62424 67204 28272 75931
33169 75819 05102 25223 87294 94450 86591 16059 66897 62057
85004 72031 76341 07475 54548 89342 97492 19303 09579 71588
82384 03002 78844 44717 46772 42390 81702 81852 12989 07716
37240 92669 75574 77502 42251 57004 88077 66349 78988 07391
94499 75881 38650 90216 53800 11021 71512 60171 30903 28791
99675 87686 52650 11818 53332 84051 52133 83727 16515 73897
49834 08632 93251 69720 45030 41876 30068 28154 15885 24249
55779 92662 51664 36830 24501 52346 65530 58681 72817 71555
61327 94544 27054 69978 52815 64756 21583 57921 58778 74551
14095 56438 22458 04950 08793 57023 28731 92416 23422 00528
17481 89473 61092 80015 16601 23457 72820 97226 43064 95610
21733 27339 45493 87694 84867 71723 86674 68301 53505 03372
89449 16071 17985 34688 94424 01981 47915 62328 02934 97910
03747 68789 03694 03662 40617 85405 00000

13370/11538/10614/11563 kHz, 26-04, 0200/0210/0220/0300 UTC. Wrong shift: FSK 200/500

10216/9417 kHz, 26-04, 0310/0320 UTC

11166 60146 00000 26044 03053
77177 41175 70507 55699 58418 01339 15230 69456 30943 47803
92447 08421 32238 97080 05093 64184 79897 10364 00230 52511
29972 29001 65141 87530 16650 16702 57110 24378 34246 13163
90324 87489 47389 28817 28356 26720 40388 35381 55630 68484
41687 31884 26358 54110 84357 90879 14322 82576 88559 14523
12001 99837 76922 55186 52432 01924 58763 80328 52278 43986
44094 86279 99507 72496 73354 90640 34160 22774 73801 57989
95596 49034 78495 38567 34710 79141 68825 24646 14496 11259
26504 54258 47455 94580 05975 16976 43239 61334 63163 41430
64997 02231 01519 69253 17842 02578 21274 45138 17888 81205
82865 77695 15293 99422 20457 50800 69738 32182 66489 90113
01794 18627 73212 14470 68590 34238 42117 26811 37256 51734
97222 24360 54534 82937 63149 32728 36039 18786 33906 93617
23572 09666 43348 60846 83944 53281 73222 84343 47739 82214
59759 86832 11457 68390 84726 62870 51470 86619 61898 54940
23240 04412 54874 86283 44214 90245 87176 55156 83870 57484
30577 20196 09304 86123 82581 31597 59840 89552 69007 87767
49072 18534 32607 22163 17791 19569 93650 49984 86219 89846
93431 29430 79010 95964 56612 17180 21430 48604 33353 22806
30172 50352 07172 91804 47240 58855 79459 71919 90330 32491
66588 42457 18158 50747 70566 11277 34161 26497 09153 09150
77023 52356 16394 36156 71449 48305 49496 39837 37632 02777
62995 29757 82842 24378 36140 58188 23600 46453 64438 21596
11831 51665 51305 62608 63480 08773 60735 77162 12996 38821
16964 56515 42132 52895 62020 18808 56503 28658 07146 09860
08336 17839 38981 77900 88841 01864 66491 51902 38662 37822
19539 78222 49815 61955 35059 95231 57586 42844 91774 50616
45789 01498 79375 91044 13859 40523 13114 78885 79178 49559
29745 15664 13120 79179 25753 76942 34192 00425 23801 88314
06771 92177 78340 97205 18824 23555 56314 20148 37084 23505
53904 70249 63094 44303 00000

Tuesday, April 27th, 2021

When I tuned to 13370cf for F06 a couple minutes before 0200z, the carrier wasn't up yet as should have been by usual procedures. The carrier came up right around 0200z, on the idle lower frequency for a couple seconds, then primed on the higher frequency for a second, then right into F06. However, and all night long, the signal was significantly weaker than usual. It could be that they had transmitter problems, and had to fall back to a lower power secondary transmitter.

13370/11538/10614/11563/10216/9417 kHz, 27-04, 0200/0210/0220/0300/0310/0320 UTC

11166 60146 00000 27045 04043
82758 77006 58551 11674 98633 36983 55477 51740 27223 76575
13538 26794 47644 11375 85652 51319 56707 22371 36524 22521
83967 49996 06562 08747 77586 42161 45848 88006 40677 54740
10289 97528 22827 27930 37175 80283 96482 86930 42317 39423
72887 40370 05955 36564 37254 74937 39617 94861 07868 69623
51135 92798 48794 78045 49979 59637 90902 52270 60122 08476
40861 06572 32603 67828 82817 44579 74990 97684 02443 98230
39929 00980 88020 51992 39946 66411 88280 50754 80729 03536
31654 14870 30035 56098 36643 10754 64440 04514 67992 50483
61105 93448 18348 18845 26750 45439 20091 51257 81018 46480
17038 11010 36433 14524 50684 39260 42110 86828 40700 76214
83438 87092 64333 76946 54900 58306 64444 70275 48223 72268
40825 34151 23054 51702 04523 85980 52338 65897 99821 11332
59593 85838 23606 79453 90266 09730 96756 19056 84359 94876
67303 52771 42509 56850 49986 13750 02720 21872 31941 92828
69918 43360 99184 89687 65534 18575 63581 66462 89285 66299
94994 27231 10360 51489 88296 71812 30176 67835 19926 97325
83916 14175 73694 45939 73016 25687 40504 22243 45797 45806
21691 28695 68431 49805 90664 92567 53427 55969 92532 82836

37825 85304 86407 40447 28277 55724 60072 70396 55221 21641
71694 69076 03320 94906 98287 85296 10350 08042 95590 38446
51747 05682 99061 42217 52977 75187 20674 07331 96926 52350
21200 21713 18501 63136 62673 31534 03615 87400 70707 71582
34775 55510 61374 18378 50416 13818 12312 64483 10208 19921
82764 37446 83495 53636 12235 11800 03086 54649 52432 87578
51537 22743 12217 33761 72169 41578 20213 20109 21959 11934
34791 85805 08523 05367 56093 18362 78369 74216 19807 41202
48604 78887 77354 33391 99283 18368 92202 29914 68597 74898
06972 75973 18077 08739 61029 33717 60000 63977 63263 64850
64203 71304 49721 37567 86462 58700 80790 31224 85653 05972
57627 37218 21866 04072 62503 79490 52662 05139 52773 03088
69666 74203 63139 04242 42676 78488 95896 00375 63476 75243
03874 63501 06558 84054 95711 65427 48903 54559 18217 08221
16053 65519 95436 38359 46630 16164 29164 68017 92496 95770
90564 51916 96758 42395 57591 93171 16777 26706 77892 76595
84391 21850 61903 52864 20543 45290 35787 22012 46467 83558
08937 89672 58669 35853 35714 94514 59847 37417 76105 30308
62965 48651 85008 11054 10654 20869 84797 52615 77135 74669
00900 69299 44853 51830 65026 08808 72991 26678 15784 74007
00091 87871 51327 04962 47913 26531 13750 19638 18782 91648
09907 36761 45402 00000

Wednesday, April 28th, 2021

Back to usual good signal strengths

13370/11538/10614/11563/10216/9417 kHz, 28-04, 0200/0210/0220/0300/0310/0320 UTC

11166 60146 00000 28046 03059
28846 61124 32491 72930 86730 06649 50302 61260 66456 04139
74536 78746 97476 87257 80511 12015 38102 48415 09562 39095
10288 31445 26133 83658 14591 25145 79276 91233 54997 06150
10727 38329 28288 04543 76739 10410 57659 90671 75900 09652
75256 06583 00067 78423 83325 90533 50647 49425 48664 67995
87397 58428 10064 07606 01929 80546 03426 65504 33102 75985
34237 66468 66513 56192 52104 95324 85242 06369 07020 97030
64060 25249 92058 08901 24285 68120 02181 73394 91459 03990
63844 04902 23061 22856 15098 08979 98409 54010 40856 77459
87976 81316 93034 07880 44264 66400 50234 20664 81473 15677
96666 72491 36109 52180 25005 89303 25743 78097 92849 67371
48102 38977 87486 15862 87681 25529 78647 39360 22060 73957
63932 83752 45108 50770 36603 93944 49291 33001 30429 56817
34220 19769 21263 27882 33684 36136 90050 65064 78305 15179
76949 18056 36042 69219 81250 46664 97703 86163 86785 66607
99671 11861 17514 46189 01020 04451 52968 02289 57214 71607
58254 69105 57581 26640 08289 38091 18735 24372 10962 92517
51149 62750 58912 85105 41058 61110 64605 32159 14882 51035
58396 22643 78353 40756 54275 65634 47544 39026 12965 24599
13970 49396 57084 11911 10968 70847 18034 42073 73526 65701
19319 67062 08765 80761 25982 42238 19241 32606 14834 96260
46284 92983 45176 03450 25524 35240 34701 82018 71826 27726
70245 66623 35806 85104 08110 28678 99104 13512 43601 42843
00634 10504 54513 23158 10954 05724 48214 77233 96995 53227
67031 51945 44290 11411 31635 69076 28914 71472 27090 74331
56326 20343 61271 48175 09283 49032 50330 51914 72028 42317
10906 07478 22944 10721 63750 34329 12831 50709 78476 91935
71036 44053 14105 01251 06594 32281 35094 43629 96570 27174
07554 60630 78813 43232 05317 03130 91270 63042 80561 03189
25088 71508 78677 67117 83659 19855 02047 13159 64824 05356
52452 02251 08394 46303 00000

13370/11538/10614/11563/10216/9417 kHz, 29-04, 0200/0210/0220/0300/0310/0320 UTC

11166 60146 00000 29047 02699
01156 34571 70617 50040 39695 58712 72684 87771 68373 17344
17717 50724 64168 61924 70892 79206 75766 46604 31557 87897
41282 60571 13691 61909 37329 17131 10062 71307 20363 04210
63510 21277 46262 25981 93792 80117 79060 90279 53442 52260
24776 21514 11058 88491 51283 03749 85481 50571 80147 83657
79285 72431 61376 88015 85016 85146 67018 35441 62635 97861
64547 47056 11574 51859 55960 85762 85871 89965 93550 78820
25807 08475 08268 03413 04476 83772 11617 39886 12744 90867
57024 22352 31018 55992 71627 41349 61273 10481 94397 78229
17769 38100 81552 75980 99891 33032 65199 76157 95571 10677
76123 76618 88692 38483 66688 89739 68955 78988 94764 05821
67608 62243 54627 91337 67505 29829 65775 76759 60906 17635
55585 13597 53479 69600 96757 05375 37926 99599 85489 42224
85673 43653 71296 93767 30075 69666 74439 40003 39542 36870
51887 44851 04068 22157 97749 02076 83559 55500 89119 08250
91422 31645 13265 42461 11844 90249 37104 57444 74198 81676
04907 11829 33022 60613 75151 98176 26992 74717 32484 46524
15345 40462 35707 08089 15175 23378 87745 48842 88053 64880
38522 07632 49391 22863 56681 98547 99002 18249 31093 62206
96295 04689 88085 95653 28522 03584 35334 15565 45545 71641
68350 34438 59535 93121 00508 54457 33048 13991 02532 08724
03926 60152 62410 04534 20446 06948 01645 48399 85158 92110
08793 57490 30864 89376 76224 87191 77141 84907 51048 29465
40899 23756 36128 61690 99346 18518 02138 50692 28865 37392
96589 41621 68175 13816 60769 86394 79279 44874 90524 91368
04577 70662 01831 88937 43614 51792 87085 62750 97911 87237
73065 81223 57278 39692 16468 19042 26077 47268 00000

13370 kHz, 30-04, 0200 UTC No retuning after EOM

13370 kHz, 30-04, 0210 UTC until abruptly cut off at 0212z

11538 kHz, 30-04, 0217 UTC Retuning to proper frequency took them 5 minutes

10614/11563/10216/9417 kHz, 30-04, 0220/0300/0310/0320 UTC

11166 60146 00000 30048 02969
47935 10281 87158 92357 22600 21170 06292 95724 99334 11264
23534 89140 69161 07622 08930 71544 45303 44012 44568 94657
67792 02695 27282 45255 58564 08660 33559 38469 31733 99738
63848 08067 88725 21025 08450 04637 52966 17063 02167 37623
23805 20218 59922 22148 54363 58676 10519 16553 83002 32516
70727 61600 73085 31279 26898 57276 40727 91479 16275 38125
75228 17504 25214 33060 81863 14313 46469 20575 01726 05411
62759 15321 88302 34492 48790 46946 45492 74228 08916 17181
56711 90620 92636 46063 59826 36345 55117 43273 47556 71555
54907 65504 98057 35552 06062 45795 65375 17771 26838 05786
84441 01534 52169 86811 70308 78975 02088 60789 16315 60614
23297 06815 20862 27979 46075 64439 97487 02746 23696 99523
47935 30811 46562 43639 02894 04750 48224 92940 60099 73085
45493 77443 74492 09815 79808 36656 80111 42623 52079 62491
48411 63232 68153 95404 12696 68311 37133 84687 13350 04393
89701 48866 43562 15229 08658 97128 00224 15027 88848 97725
69683 36006 68680 04286 03066 23698 00401 75973 60815 78447
51338 52433 31174 66541 53286 69459 52270 49397 42215 26325
92509 04264 55515 40704 68946 34855 78928 52132 08345 95374
60393 59944 80591 76344 32962 06614 59163 25690 13983 42446
88334 03529 72755 32554 61806 94066 83810 92054 42455 23081
08039 60434 77873 54395 68828 50999 91408 63799 15417 36371
53368 13848 90629 55950 62097 77974 45208 56290 89598 87362
65904 00322 71397 99004 09530 06358 45326 08392 60153 02826
68929 55267 51630 09659 70162 95890 22648 82280 11083 40233

96480 79131 69217 77562 02640 38661 66289 38834 82606 76740
98999 69346 46826 40406 51545 10080 75175 78910 94563 11166
78055 17972 00189 25926 60333 48205 27909 58912 55290 63637
60917 66390 20789 11259 97627 32698 14821 37558 28066 70922
92651 42951 49803 21338 48294 00000

Link 70059

9473/7556/5471 kHz, 05-04, 0400/0410/0420 UTC

11166 70059 35719 05001 00049 00000 00000 00000 00000

9473/7556/5471 kHz, 19-04, 0400/0410/0420 UTC

11166 70059 10478 19001 00049 00000 00000 00000 00000

Link 70202

13427/11054/8189 kHz, 01-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 01-04, 1200/1210/1220 UTC

11166 70202 36258 31045 01759
77506 72453 73272 67494 12672 51238 43993 15131 71321 98266
05368 39801 16760 01429 28668 31918 46344 48948 37205 94049
77973 30591 56154 08788 83166 71792 26928 29359 33902 36630
65787 91444 55427 60581 71382 69611 02195 99001 10900 26821
99149 02269 39517 30441 15522 53516 32842 33192 63329 29909
37029 42480 37783 73390 66256 26543 41763 81834 02261 30850
61573 56554 75600 03190 86144 67087 33354 50900 86889 19207
22923 78642 00391 37098 46644 80205 81095 95619 66882 82724
16235 63616 66308 66804 20126 44191 93026 10939 50060 22892
45267 33694 10957 59750 75308 32084 40984 86098 17329 39570
95308 92114 68868 52127 70195 16022 80592 95819 34611 70891
34049 34312 61542 69980 12092 39763 76211 36536 91676 75534
63365 09015 13698 64150 00841 77651 09577 38955 11584 13308
89262 02895 51316 74548 20354 42866 74032 03872 53021 73072
42512 49046 70413 05813 76047 70473 69241 73162 52561 20530
00231 47956 07303 05816 23117 37538 95322 68253 55882 48691
09895 45967 22921 47209 74090 99893 31812 60517 47679 17043
33401 96814 16553 45173 00000

11166 70202 51247 31046 01439
29056 04295 59867 96934 14942 76574 08843 46412 18832 46013
43395 42965 55619 75340 93444 92617 12522 61167 19668 61812
12065 42654 25552 81434 50939 89561 66420 35700 63181 11890
66373 90587 81102 58286 79069 41514 92416 95408 53296 84939
16983 85431 89266 43573 51633 03891 96564 99893 56489 65042
89705 17650 81226 46927 82211 56039 54717 33335 65176 06249
86489 14849 81234 05050 53437 16156 29871 05128 70230 41819
65029 06835 66839 57692 70933 81068 21641 50164 27069 37934
23521 30432 98269 20907 61415 75963 10831 31168 64735 26377
00601 11800 43111 75881 43980 46537 98879 29504 07767 52751
10774 15258 78794 73366 12236 69472 59281 97384 12799 37440
38850 63710 35969 56590 79137 27970 72051 14370 71946 96996
69361 98018 56861 60691 12234 78422 09286 75923 59311 95240
34817 82175 40500 35487 30909 53613 36072 22763 01761 17264
86324 46141 00000

13427/11054/8189 kHz, 02-04, 0700/0710/0720 UTC

11166 70202 79645 02057 00049 00000 00000 00000 00000

13427/11054/8189 kHz, 05-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 05-04, 1200/1210/1220 UTC

11166 70202 45796 01047 02599
55447 98816 50424 15101 60861 72468 24156 73913 19653 59913
77916 71017 74711 23024 33263 50111 99086 74888 69756 54682
13617 11654 02986 11869 74952 96441 22841 17578 69941 74984

90479 15076 77287 27696 17424 84211 82441 87855 75220 83476
56645 80590 09107 12083 36074 62345 54120 84252 62020 65533
77081 32892 68044 78043 92897 84860 25033 12301 28621 74997
80116 43571 33692 91116 50355 22182 59823 67134 57165 89362
58933 66536 12391 51381 72603 23367 91982 91677 11457 32915
58206 25662 47934 09307 16331 27884 70872 52168 16713 86250
75342 89568 38248 62978 86180 89412 14090 66980 38644 56483
85603 67357 64638 57310 95470 02693 57943 40061 55899 65841
16881 41644 52867 68884 87869 99197 72330 17953 58284 08164
59354 52604 72075 94137 46083 29433 66583 90664 09497 54607
53972 40187 44893 95020 95740 60325 66029 22746 43727 42671
67853 72472 46064 76296 12786 16623 41503 13148 26461 87835
90569 17533 13882 03490 16953 66867 31928 71976 57604 95883
79140 85392 44956 01484 88734 28348 69709 50423 35773 57573
97620 57015 94432 32016 38739 23040 06311 98115 92515 57054
45702 59933 17228 15274 92784 88845 97167 31233 50654 52461
06008 26398 67149 67478 89806 18927 47387 06145 18074 72758
67971 11020 76348 54223 28790 97733 98703 88358 03352 50409
63646 32125 73597 39458 01823 06696 60111 16423 88979 56019
83695 65553 22623 23844 19215 16820 05795 66380 27675 50028
86428 42797 77455 44743 25699 50737 90638 55694 93815 99045
75380 18365 16702 34881 30250 14435 21977 67420 31476 51785
57707 55326 39046 38730 82338 50173 82590 47257 00000

13427/11054/8189 kHz, 06-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 06-04, 1200/1210/1220 UTC

11166 70202 12548 05048 01779
45785 70153 18473 27847 15490 91937 62367 65431 10267 81656
97828 15659 18882 76462 52301 99125 36179 84937 15448 72915
66403 97413 59508 76127 69574 11624 36310 58701 24374 40879
86887 73235 05974 96941 24622 34474 02235 64804 77871 76166
16734 11544 02994 59966 32038 96449 03731 16079 31668 74603
17870 20328 04195 11107 57129 37343 77904 48144 11208 84533
59462 92055 51927 96568 75015 12629 98411 95020 37187 71776
29238 92875 86373 23797 52504 88596 79801 54410 69732 29420
26775 50745 94565 48582 93557 19472 12190 06162 26306 95269
90406 88212 65527 06810 78309 43896 50458 92447 53499 65283
36840 82813 03761 39522 76497 92474 54160 28052 32178 87880
75486 52565 26080 23751 34976 92382 45513 65123 75262 22954
54121 37218 32486 50148 82107 70332 29498 20041 93909 31941
05109 08875 56746 63185 65293 22880 58479 61950 67324 62646
48237 79708 72740 31743 98221 24322 30105 94246 10149 85987
73484 10899 14755 28517 47591 08559 37805 13131 95519 62637
31043 46967 70023 97217 91523 73477 54253 32536 17758 46909
02923 34507 76113 58057 39802 48175 00000

11166 70202 63258 05049 01479
33034 23670 53062 14023 78478 72403 92081 24848 06095 52051
68744 53312 39289 98068 27489 32409 72108 01083 98379 72117
27662 17729 45036 67742 43588 16735 88811 89608 64257 58704
01444 15036 44407 33021 83345 88537 93885 00326 69723 21180
18196 13991 31719 65039 34532 19045 64761 23695 67989 51968
81304 84691 57633 89808 50157 84914 27127 22051 49573 44813
99593 43674 26308 32409 61402 92845 77807 43025 04567 81672
99744 05674 02456 93464 66059 52049 98472 44932 33719 09049
12430 36767 89363 00768 94274 41040 80038 70906 79865 98849
95195 61524 28500 26663 92151 09079 46848 54789 82186 43684
29017 46413 19485 02536 67407 70637 60082 93429 14057 27965
83030 69316 97167 51659 90951 99824 22485 33423 32177 50706
14243 46827 11652 07114 75327 66938 82800 01673 71387 09565
37536 33276 68542 38578 36599 87536 79396 14735 47418 94834
97044 84438 81677 86908 21748 49145 00000

13427/11054/8189 kHz, 07-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 07-04, 1200/1210/1220 UTC

11166 70202 24863 06050 02539
88583 64222 98547 98626 05154 12936 74851 60904 05809 89771
63065 03317 30326 03457 31026 61005 09282 56161 11043 77824
48442 84215 97235 61752 49584 80950 53512 93525 97428 50117
74372 99439 67369 63295 65745 24240 33699 19755 38017 65054
83004 32191 28466 52293 62428 86776 95273 88459 17477 50966
50307 80815 99074 27500 22858 28819 44537 78024 71526 52299
62157 64786 86433 71278 74099 83833 48961 73403 97273 88150
41193 29898 66890 24174 22247 46007 32376 30131 13701 56829
80344 69623 61272 04517 64297 98908 64973 57745 45758 91304
94892 59417 76519 67170 34820 13519 76683 02877 20889 47079
88200 17231 67423 08158 08577 58774 97180 85813 34447 42395
18179 62977 69699 08702 14288 38174 77837 04579 41783 77033
83265 08378 49039 79515 51195 48174 61561 73804 00841 86524
99532 72795 31613 70167 20064 54117 66987 68107 01350 49629
45726 46506 10895 55327 15167 53834 25015 97596 06235 14715
91798 16751 94888 55892 54704 53794 79678 12767 78999 51342
30103 89940 48211 04642 85458 74194 22786 23624 08858 23354
78150 91935 26115 79462 64344 33869 04187 79715 54427 25154
48843 63582 73846 08525 26269 99556 27942 00014 38275 79978
69788 96900 05818 57351 75553 23269 40497 20609 19570 74088
08736 34756 66291 43773 18325 92327 21338 50151 82010 50103
08812 89779 37828 49508 67065 85547 30861 44146 80116 12497
86104 82902 86893 12811 27141 22046 35505 35892 20299 64768
74711 64482 48984 51616 99792 12749 47881 50225 94998 07288
51701 17817 39768 86969 38168 34882 70905 82570 69932 33495
17904 50251 00000

13427/11054/8189 kHz, 08-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 08-04, 1200/1210/1220 UTC

11166 70202 23587 07051 01799
53489 65093 63169 40771 24564 45924 07002 20323 34325 05037
05565 85462 08290 49290 64521 96328 81206 97721 80494 18226
65607 18034 92271 21445 69665 09677 64939 45642 37823 00683
42847 08445 12594 50478 32371 62995 41007 75822 00390 34098
74110 42088 99429 87671 32981 87059 55397 13192 39677 69437
78856 23805 36565 59234 85773 03807 42469 12262 38672 58176
19068 95876 44137 43838 45988 58191 67605 87363 28026 57923
51375 18771 82932 97081 46776 76139 83202 23672 96444 60703
50312 96603 27621 47121 24824 29999 42432 78617 60818 59077
16076 01664 18073 94815 38855 19907 50438 59558 63003 72015
13834 20779 40218 63147 42323 65172 60874 04712 65681 80258
30817 42121 66908 35705 46699 75223 03124 81537 55791 01090
38274 05434 11201 33858 61096 16285 58435 81317 86769 46216
14254 82907 65702 88255 23745 38846 47876 11825 06556 85044
76204 23260 28228 93517 07324 63533 57561 02972 83269 60371
95955 09248 02463 76952 89660 70322 63457 24384 60871 05547
79874 30117 18612 93806 89966 79529 35339 00299 09246 72819
00214 86608 99623 64434 84953 83778 53481 51177 00000

11166 70202 48935 07052 01499
54333 26522 96863 19494 32011 40184 77754 18012 50682 42753
30711 53561 33341 35997 73528 34923 97900 54474 78978 00826
87385 35256 17155 00451 16240 68211 00664 88109 87432 00301
99823 68008 60061 92304 20077 50054 72114 51436 58799 02633
48114 88270 83680 13297 46301 71423 99885 93296 25058 78426
98168 86904 33258 66225 01131 71455 54233 09752 49810 59051
58035 81993 97792 35859 41688 74007 05029 99949 62119 78315
48547 83602 91449 84105 92245 71027 49335 57704 82952 47429
92048 06722 64955 40360 62987 51340 30156 39291 34291 51163
46074 04350 94265 61066 28858 00148 60286 14492 53514 15654

21889 57626 18520 56025 43713 82883 07028 17366 83004 35158
11830 80317 01351 89250 16290 83445 75339 21938 48409 62343
35845 27104 50233 65397 90594 47372 29774 82150 09740 20679
87637 45200 79094 65235 35550 91569 50743 51292 48963 94487
45689 33168 20928 01520 88254 39965 09434 52147 00000

13427/11054/8189 kHz, 09-04, 0700/0710/0720 UTC

11166 70202 87451 09077 00049 00000 00000 00000 00000

13427/11054/8189 kHz, 12-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 12-04, 1200/1210/1220 UTC

11166 70202 69874 09053 02599

47875 96626 05630 60867 33201 25832 19886 50152 53929 22375
74060 12994 01324 91975 18701 86870 61481 33647 66528 98645
60002 06807 46729 29770 56756 48869 11686 43696 51690 48020
19589 92678 87604 00852 41363 46167 60839 09551 65353 07961
75809 98317 98189 14319 04328 53723 85296 30228 35641 18669
99456 85981 28142 94650 70884 21300 98661 32016 57238 29142
10308 12885 77016 16417 44776 56449 54758 23781 70065 01311
51517 71698 39543 44562 79005 24960 83301 42296 20882 92852
77726 01223 09601 07154 04233 16093 32263 45145 33098 32603
63915 89839 93327 40483 51718 44599 14496 26444 98440 44331
51493 41676 18699 30464 28126 63586 66398 81866 60500 56461
56793 18924 46122 60741 31617 22941 29667 65602 40718 38060
81341 44513 38639 47896 48784 58486 19563 44057 68429 56672
39096 28753 47297 29024 96280 18670 51116 90682 74322 42302
59738 02799 63428 47931 75777 59468 14223 64434 97401 95461
95162 82112 91232 94444 52391 45730 26274 02381 95479 76937
54808 75786 57474 68294 51217 19544 02707 16040 44634 93951
80790 83842 06396 95700 50248 14676 78202 42459 20201 33037
51955 15766 83572 04685 37173 41906 40220 46073 76957 15466
33458 00700 98424 95246 48387 24514 08552 27236 45485 47611
71363 74310 27882 04376 27411 57371 65774 49272 41473 37583
26394 00467 89410 94423 82985 78466 20127 79219 01235 31971
53556 48851 26554 68113 00634 09329 20710 29285 16164 23915
21184 83731 20548 65487 21737 22103 51290 17828 97593 77149
30225 55520 23706 08752 57411 57155 59504 21466 67620 31519
98604 06781 10356 61461 06884 27263 39352 53257 00000

13427/11054/8189 kHz, 13-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 13-04, 1200/1210/1220 UTC

11166 70202 36985 12054 01639

83422 32678 04908 14704 26270 18823 89222 74428 66720 85593
22527 22480 36016 84199 10843 13846 08482 58204 06736 60062
60327 56315 67001 86385 99260 99175 80365 39065 44582 98589
57399 03642 62455 52641 99821 20231 86044 65117 91388 06706
75202 62690 77547 25734 95389 08293 26055 56597 20530 34115
85732 57734 89472 42675 85557 30944 70755 49393 41275 23184
15359 65103 61712 26910 02133 41942 71993 64880 05590 31065
95828 70377 40749 25602 64083 98771 64712 87315 41794 31374
39677 80382 90833 57511 87049 60743 10412 45756 87370 94453
22586 40263 05724 03483 94988 43134 47316 62386 17944 68756
72930 94291 78166 81054 28925 39648 96232 49587 71464 96158
20009 85429 89689 53344 91216 42778 57489 70175 27342 97217
68577 69206 86053 36580 34561 45651 04335 25350 50678 14839
29507 28527 58905 46484 84336 05914 63107 59211 33409 12740
75936 73773 42964 67579 02149 48396 51371 73485 88034 44690
92439 03284 91657 97565 38744 84974 53567 87591 57168 48154
72705 54161 00000

11166 70202 35871 12055 01979

69966 58838 06636 96508 93906 13943 68826 89160 07347 40549
41377 61901 82999 88629 81148 09073 17752 43467 93830 30483

42444 93326 66036 60641 11834 98004 01799 19980 04417 06691
05643 98971 86799 98592 79432 11110 22316 44739 25171 75658
28559 14426 70945 16141 13536 74715 62206 85469 45120 56452
85566 53694 33490 85207 17305 19270 31244 00616 13763 29802
80882 12515 85828 23205 64336 67349 24688 25205 34235 23263
71031 64128 31600 57317 44904 88915 19657 53277 78394 01286
88434 43405 18334 38016 09870 02691 91212 64238 48078 18964
47479 63719 54484 87320 27432 37046 02515 02305 15875 43666
41517 46280 77732 48698 74614 97433 91805 60486 90168 05844
24866 69791 01540 11052 13262 26600 74845 99572 44241 15457
49386 25792 54157 15274 80435 44672 85763 54547 59086 29715
71780 97925 88827 74616 36912 25059 23556 02049 35515 87676
96689 28010 67087 55816 96093 55180 36794 89159 64487 93711
53186 94397 30028 32903 80316 54572 96759 12193 86444 41320
49615 64900 56503 45979 53646 33163 60523 90464 52191 77496
95208 03874 93651 29432 40838 75755 41567 60643 00686 21973
47679 67029 15153 24096 92676 91163 67792 28280 24296 31570
25412 14541 47478 12244 79454 55195 00000

13427/11054/8189 kHz, 14-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 14-04, 1200/1210/1220 UTC

11166 70202 63254 13056 02559
05511 19427 52725 86745 64245 62494 01249 26456 04014 46234
38477 75457 14388 80299 96636 89677 23999 27839 66440 72563
74478 93965 33193 24350 10520 94792 15727 05473 40733 80478
75350 50095 48994 10705 87015 90659 60963 06042 89867 79413
95475 23620 59384 17849 55472 30566 68286 29987 38179 73625
28397 40444 69202 68412 30651 43232 90248 56726 25438 72205
55133 05380 10459 09111 13787 44956 18299 90178 88932 71955
20881 97177 75126 62750 93015 43881 14853 72800 02214 93887
31352 19557 16954 70721 22881 72493 50600 46153 48076 98708
83144 17689 57134 37525 27980 11146 48461 02539 35868 69276
55512 34539 53309 12352 93490 53748 77493 81664 20593 84820
75017 01876 93497 53021 56562 23148 21781 75045 24717 28998
50935 92894 37127 20817 28707 24266 52168 14977 34400 27875
49331 13486 75876 07159 41488 34104 83905 00803 21253 10876
58568 33510 08608 01010 47405 25474 91985 59040 59981 83965
79992 64216 48569 25504 05975 12046 09634 02016 52593 05944
85801 29447 88607 09906 73011 42244 35061 48165 62521 22162
03042 62753 72469 74814 70211 64909 48678 52428 88297 41276
39375 46214 38729 00818 73532 96815 78593 73396 97509 96250
44133 95947 49675 79802 03928 47194 77715 31287 78988 16827
28300 50137 71919 20096 63797 53739 72362 93758 85732 13462
30889 34298 69666 47815 18540 64377 41196 21175 14199 38448
47742 21509 86982 23453 05842 15551 65838 15574 28599 04843
13540 78943 63017 31105 47259 17268 91865 04356 72910 14302
79794 52216 25458 04108 68373 13854 32353 57031 49739 26986
42319 92345 73552 56253 00000

13427/11054/8189 kHz, 15-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 15-04, 1200/1210/1220 UTC

11166 70202 80257 13057 01679
40628 91091 83501 38221 61231 78645 79004 79680 64719 59353
10520 35248 23045 06054 82553 03996 89257 47436 30812 00753
94022 94423 72875 03244 50062 06111 56632 87997 00439 74937
04903 47207 71627 35788 79685 03742 17307 28709 14482 66488
63809 69917 88115 93205 93178 10810 38493 53098 24748 89635
39752 06275 81204 05541 91213 42292 50052 69662 91599 44968
76434 12956 96935 75653 48227 55454 85582 92144 59372 66636
78836 45432 62354 71598 90533 21465 45784 82712 04093 20128
98019 61461 00441 88602 42750 40137 85248 51327 57499 58089
88932 03706 10970 92212 37832 61792 80179 86358 20029 85106
33315 09361 94223 14792 89245 96365 15126 94283 89639 53145

73773 64691 44607 28087 76243 52071 37827 81550 09167 88784
02076 07269 65512 36122 01104 85497 29043 00386 78800 72578
40921 59617 61584 56624 96861 43159 24943 34003 48305 31228
60082 86306 06020 66708 01607 62499 69590 96324 02166 95929
31219 83412 65022 10889 27284 59440 70456 98412 36085 06510
56969 66007 45220 87979 43190 57165 00000

11166 70202 14963 13058 02039
07167 84568 95423 23627 32872 38008 72254 81248 14773 48822
94488 41339 00351 04976 29755 56083 95717 37978 15359 85806
46516 71141 18331 92987 76736 57396 43237 75040 21373 86337
86175 28052 13870 65202 58402 58670 14290 03458 28024 86313
89139 55687 53198 02912 78798 02475 05267 82342 13479 73950
05279 56773 63655 45716 22318 02076 35914 61804 07097 99518
50140 64389 59231 65907 58994 34918 51651 69378 95613 76351
60572 73018 60469 91217 74474 73508 83321 35137 80526 26969
21218 50537 51877 79204 78449 10226 84276 42529 59432 25512
55440 86359 90426 98570 05613 33768 71044 23731 62755 81178
41482 67372 60802 83390 76406 81134 24419 71134 41448 28098
18705 93318 73219 26660 87273 01184 68816 41756 27145 16531
95715 78145 73900 51224 58040 55423 95522 70149 80085 69472
18363 14810 93091 70013 33683 29772 36158 08969 58194 59106
07266 39304 47036 05061 25332 69055 82644 66106 89234 00209
87921 96579 44753 07143 37172 55087 95350 34299 63224 33874
17746 17784 84183 86326 68205 60581 98245 94815 90493 16068
20026 46057 61428 59516 56817 06179 34964 52271 48233 12682
70748 28295 17669 25485 58094 57757 09013 04236 71292 67364
07048 04083 17217 22120 64990 07092 61145 98192 87583 31488
41743 58201 00000

13427/11054/8189 kHz, 16-04, 0700/0710/0720 UTC

11166 70202 56412 16032 00049 00000 00000 00000 00000

13427/11054/8189 kHz, 19-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 19-04, 1200/1210/1220 UTC

11166 70202 39824 16059 02639
04422 77649 83355 43441 95219 03758 84163 47142 53751 05044
76201 47790 21286 74250 30200 09064 41389 30061 18839 65730
19706 34763 98850 02886 63924 12801 97508 57172 33593 18639
45706 50900 54501 27383 24800 95022 77284 46585 19408 21892
84966 72688 93360 33738 79110 40530 30978 77813 99268 39353
10862 84126 55423 93751 04410 26718 78103 33008 16205 94405
15864 97234 08503 81938 34815 53775 76982 37506 99890 22295
69949 27519 42544 32004 68192 04627 44551 59442 67667 89887
92625 20269 32198 05039 83506 13500 08390 15797 84238 41610
19935 72139 77301 54970 83498 56492 45301 94021 13378 75760
74891 27654 07113 58151 84624 11202 29248 40717 06415 12516
35422 58557 75304 79535 03975 71618 07216 47801 67271 90031
69377 11347 59907 83918 73119 05406 26004 88611 43712 74380
52773 41220 46952 23489 22537 09482 77162 77553 00393 98834
36319 95344 99707 48654 58964 12941 92637 53581 62622 14518
57850 70895 28382 54022 82642 99845 41342 76167 61640 43908
45612 10170 59267 91880 93551 34691 28173 78762 93926 37395
00804 12365 88694 17586 96303 76570 13074 05336 09941 47204
18612 95567 77233 81421 63925 20505 29976 66589 02808 08942
86343 39559 24378 05774 42271 12300 24979 50211 56282 64809
16496 36125 44969 91254 00787 02956 31301 10265 64916 30635
12952 75324 76878 36938 42839 46209 86493 00722 39051 07380
61165 59477 66361 44301 11197 54636 56510 13598 84338 23067
59442 68001 34262 58202 42694 22018 92650 89235 81104 69254
99587 51812 04053 87346 71934 48672 92400 91416 14384 23666
42328 22009 02877 97587 38253 78434 95071 39264 02020 33458
47545 59261 00000

13427/11054/8189 kHz, 20-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 20-04, 1200/1210/1220 UTC

11166 70202 32567 19060 01559

05129 44866 14163 02681 25393 14298 34211 28991 95414 97286
16185 87210 94160 58854 11152 37422 20849 64103 64712 83106
45207 98278 61073 10204 96511 80676 36338 72353 83568 33338
65735 45778 62853 90472 54460 02224 96975 59530 86809 73404
70660 69878 13312 05396 56444 70015 80529 26399 47260 59250
33228 76325 98107 64797 43589 71631 43989 00219 47172 03855
86304 66149 90291 95262 64895 79247 18512 60086 57911 40300
60945 44740 76706 77432 90036 45497 47934 25354 61517 27037
00039 26562 64235 90308 96337 65479 34525 63149 81855 71417
14821 12099 36136 51336 61192 98832 49181 38327 29498 29674
62730 66751 94838 71597 44060 09977 83993 33185 84486 41654
25538 33951 39768 06459 47324 10494 54580 11252 76008 32889
38274 72579 18323 29789 84077 81462 28766 45636 48952 71410
93412 78456 36273 00592 84521 71642 48537 84099 65629 58194
02273 37263 51826 80821 22343 15920 54892 36380 57835 64601
67977 18046 86718 60153 00000

11166 70202 84769 19061 01759

65091 45504 47784 79414 59545 99238 63512 92086 86710 22337
56688 52921 98382 81767 77067 60284 09317 40931 64765 05356
03423 34382 42635 27767 80677 46172 26710 61560 55711 46486
28149 38680 43974 66274 45125 42159 96455 14550 68095 26211
68860 68059 46883 45395 36206 88000 93016 60054 88763 43476
15753 10215 70284 46375 15245 75119 44445 27373 81256 60605
00463 07718 70899 81492 33797 46525 63794 31182 62894 68229
18127 55648 67903 99908 76008 74018 62296 73161 91594 12911
33343 70216 80398 46739 12372 18971 13229 61162 60743 66641
03194 81853 82497 86714 59212 35807 99584 98891 04466 37338
50647 06699 83224 15981 99257 82469 04499 28476 62577 54376
95932 22013 96362 75194 66403 40944 97251 77498 00735 94134
08273 44971 34988 25145 38522 54508 85751 52441 32929 68819
31872 71797 53060 84194 72067 38106 54901 63144 06855 68765
74537 06586 18228 35836 57693 45262 45534 39154 94050 55099
80974 77588 42293 26168 33171 60635 56805 39945 32241 27525
51979 34568 74808 66041 65044 62765 32397 48230 03379 72144
71638 25197 87227 61173 00000

13427/11054/8189 kHz, 21-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 21-04, 1200/1210/1220 UTC

11166 70202 25847 20062 02319

76367 09044 86164 24174 19816 68913 08316 97290 38905 40370
88126 21368 46438 23826 84654 51734 94230 29220 76879 04651
45401 56196 58301 99052 26825 75145 35930 20262 91460 57573
75863 16616 45222 29219 62632 64935 18093 44365 64497 65785
84160 04776 21901 54454 60270 71705 01242 38594 37976 44404
81172 98457 28483 03572 63605 10673 25259 43188 26612 81489
14016 39155 61403 00433 84741 28202 60580 50309 25466 95473
49843 34494 02457 94250 80340 07443 56523 46239 23858 19366
70128 95859 38019 10991 84986 16980 93697 19376 74827 95522
81820 80679 03043 36400 41759 40851 19864 68188 78484 10166
78788 44004 60677 22544 76935 62005 16996 85594 49003 53959
72656 32318 69533 15315 93550 10404 43170 75215 30059 70071
87581 29891 77764 36374 38755 87868 97241 76920 33340 00434
60129 00938 47726 75784 13640 50627 98552 00313 80732 70734
34328 15459 38104 67282 72847 23557 39210 91409 64105 21138
74485 09231 83379 83096 85962 43679 84176 46187 78473 99253
65734 65260 94615 05622 34756 40705 45681 40997 66075 40509
15727 21246 91930 65392 80978 65654 74541 30437 11751 75286
41678 61668 49082 84889 89895 31008 73250 74260 85145 78040
06389 50026 15424 92047 16354 33776 75170 52717 14063 17470

86082 52991 61469 72080 84053 52478 32371 20388 26899 34869
93242 09873 02584 67792 96268 46645 42616 88551 01774 76350
70311 64180 72235 22977 38597 99242 05070 21520 37070 62229
00000

13427/11054/8189 kHz, 22-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 22-04, 1200/1210/1220 UTC

11166 70202 87512 21063 01739
09532 40367 10749 39333 68779 89367 87853 26661 20977 60884
61644 94518 44155 42987 37096 65910 18924 41728 34485 67276
77856 96806 11469 57691 45207 48903 43482 49559 34145 94595
42115 19254 93693 89828 16160 31131 22575 87841 05036 23371
92118 22515 39250 29056 45457 73059 07609 30957 65170 70994
35845 73438 26570 35345 06365 79934 78828 47001 73792 49423
21116 98177 56007 30352 65949 77900 05349 95429 06937 79476
89690 65748 33101 40867 38070 57646 56973 53908 30540 50774
48648 03319 36968 00777 92976 21433 34426 45055 12093 69590
57903 75025 20467 82119 63988 73313 04655 33868 12238 39344
44948 17193 93907 51730 21109 39369 62729 40925 69365 76341
47431 70564 82872 43767 50682 50938 72816 71271 64147 33023
32343 90875 54346 56528 70517 75512 99002 50374 08480 88578
78563 09055 55005 30469 52584 93315 03640 93006 75667 28584
18606 57730 32635 99593 01669 98966 97630 64633 57143 77620
46833 37868 97232 36628 79467 13159 54896 34006 26811 27829
96405 74441 53874 89802 50816 25348 83433 16567 98504 28330
97135 63171 00000

11166 70202 32697 21064 01839
32950 98365 49549 23678 98773 88533 93826 53177 91423 00507
12056 09870 71284 25049 77267 29985 49839 46309 18877 78921
20767 41059 37612 19681 70827 76857 15085 54437 56462 38823
66418 81435 57064 39713 09383 34420 40839 92990 48467 96760
04203 53561 97342 07478 70651 55880 88124 01350 60046 04109
40902 50286 64239 94001 91956 98163 89985 71234 04104 06300
55085 55828 07606 51766 48675 87387 45087 45714 91622 70819
18896 63910 57960 27233 64333 06672 43284 79698 97211 30372
91063 28556 09156 17729 12809 95969 09105 79039 63008 44402
34440 01565 54800 98698 80171 89246 27300 26483 19641 59940
00526 56530 15159 92359 78857 39822 42020 39910 88973 82964
74341 53613 63191 08652 06144 81286 04160 22879 06134 35197
91834 93564 29616 45346 18679 70303 35959 40592 64021 99908
85080 24792 43511 17445 11364 40151 94615 17439 98457 34966
84076 34954 03389 77944 48292 91211 03436 86308 02538 83456
64183 59838 79969 23740 52217 38071 86359 56324 40875 22831
81483 08385 82508 33274 23108 53696 45683 85643 34519 94005
40761 14921 81509 87753 82290 80552 69792 80861 61665 23456
98750 64181 00000

13427/11054/8189 kHz, 23-04, 0700/0710/0720 UTC

11166 70202 18352 23013 00049 00000 00000 00000 00000

13427/11054/8189 kHz, 26-04, 0700/0710/0720 UTC

12146/10388/8084 kHz, 26-04, 1200/1210/1220 UTC

11166 70202 32564 23065 02379
16226 69688 51065 81734 46209 10281 94422 35547 75701 36350
00153 52722 62300 63505 59357 29074 61621 27508 14300 68179
27850 55801 59789 07054 35878 46948 84121 39580 92214 93912
29246 36138 26846 12135 74872 82847 83248 58320 76183 88893
48724 50892 09847 35344 92263 28045 08019 63917 02115 04329
85023 29119 40241 11706 86394 62205 55868 36023 14967 20395
25294 84821 13710 19770 10161 47447 09978 75313 51372 33366
50888 96506 40836 99652 84485 11930 38233 03573 66404 21310
24988 41196 96701 98446 12642 57990 16557 93443 47798 42318

19517 07714 80842 37787 56989 40155 90620 35378 42648 27970
82258 31305 85467 30543 00318 61527 06040 29829 24464 48865
15900 45675 39849 23644 64509 89529 99385 03822 83613 04958
20104 45511 83646 68421 80772 99866 81874 48746 12987 37243
66963 48712 02897 24586 29664 77220 45759 66972 14292 25456
20524 49261 70701 45496 76616 38771 11431 54797 50119 34929
03715 14995 51532 76837 51045 58462 92307 44680 43969 61058
42338 15921 84815 84502 35589 62218 16036 36820 66064 98005
06838 24287 41294 16664 77817 93318 85522 75235 68264 85740
09799 13606 75823 55867 91143 19099 23214 22843 27986 72412
31688 56668 64061 35853 05910 21364 97949 69778 59950 23685
20450 88209 39083 40859 46967 89536 17071 25752 37112 23260
73622 12915 18698 78707 81713 73950 58310 06657 59467 95633
45654 09808 66259 79218 83856 63042 47762 84380 02908 49401
59588 66220 38445 22729 24250 65235 00000

13427/11054/8189 kHz, 27-04, 0700/0710/0720 UTC
12146/10388/8084 kHz, 27-04, 1200/1210/1220 UTC

Headers: 11166 70202 94631 26066 01539
11166 70202 59428 26067 01779

13427/11054/8189 kHz, 2804, 0700/0710/0720 UTC
12146/10388/8084 kHz, 28-04, 1200/1210/1220 UTC

11166 70202 64587 27068 02559
06289 17482 17173 46692 36750 60026 69660 50833 80333 64097
79686 43753 31033 08923 64652 93770 12054 93607 10493 57596
17090 12281 91136 96348 84120 91823 00941 56496 93915 53153
04810 39198 10435 81960 35673 06440 05309 19873 94016 97440
33590 11951 29149 53741 52961 71483 06897 76426 03585 47993
93413 63910 90790 09414 09786 03730 37780 74356 37130 16772
00532 55415 76862 77389 62114 99441 95841 57827 48566 35735
11046 70402 33560 68077 93504 05878 24011 71549 96145 91463
43839 80079 35258 16887 58057 75642 80258 01961 04382 15058
31445 04101 24551 55334 90420 89215 12536 63466 52890 14416
21833 21663 78500 95975 99029 63907 17421 60990 35822 04814
98351 06155 56683 46693 07642 12118 84354 75797 14211 86830
50368 83642 19957 36344 42767 74381 40343 86481 08221 44139
44843 03830 50731 43268 11943 89480 94097 57439 78375 43969
00345 68527 87283 26837 61293 81218 64998 59261 05463 26272
81113 43191 87495 76385 71551 95422 52286 35591 29304 20054
91002 88129 92538 67755 31196 17728 84751 55298 28176 33229
86658 43767 49841 61508 44521 98906 72158 93605 44571 82033
27472 95024 08249 44954 72831 16128 87923 27319 70528 63562
67789 79860 98027 18666 99626 61944 29476 13778 28113 86875
55989 02399 85373 13400 36888 84133 59455 06824 99081 70364
66415 18216 26787 01574 80713 55097 08756 52270 03585 42081
35226 84452 74098 94894 61753 35541 52569 56207 82129 51720
31031 66718 77572 02631 50435 69943 34373 38345 29290 74113
47178 74570 33400 19652 50123 17000 41413 25658 42962 60777
85855 13818 04424 68253 00000

13427/11054/8189 kHz, 29-04, 0700/0710/0720 UTC
12146/10388/8084 kHz, 29-04, 1200/1210/1220 UTC

11166 70202 24873 28069 02499
93522 93650 17056 36529 14118 68143 18513 45693 54009 61288
69352 08982 33380 60192 11154 39443 18239 73696 57034 22260
07508 36512 56113 55844 32300 74403 63166 18836 84606 16341
43134 11395 17556 64559 65180 44265 84443 58473 65996 74016
08728 93366 87022 07926 02158 79815 15289 26919 73238 54762
82552 00017 93220 80191 02428 88720 11789 90343 50190 64789
39650 73394 14939 89811 40201 98551 78818 30052 97466 24494
02973 04974 52498 50098 24927 92902 25409 93389 97082 42246

65247 09647 21013 61726 94891 84615 57247 88044 43141 63742
15229 54434 81216 03397 53143 08526 05831 54990 42282 52960
36036 17952 75668 07206 16021 22486 25582 13996 41061 28049
79718 38830 48796 48495 10637 35990 43024 39809 58204 79486
42212 11385 29707 82387 69889 46763 47333 52972 29132 44799
97699 61121 28312 17155 63124 13416 50308 03094 39317 60354
82353 87493 69188 84139 48723 33012 47457 40472 13438 62363
75747 52780 45173 51616 72860 82328 61565 20476 69910 22652
95100 30467 45009 91730 47771 26973 77193 20368 26687 86052
24275 60187 77839 51984 54300 59705 60185 76468 85318 81898
27263 95429 13135 61722 08505 04349 31736 26998 07452 18076
76085 31126 59047 26044 41961 71045 13198 78840 62542 88889
36795 67051 46409 80768 51382 78344 06671 61119 48647 43695
35878 56057 50941 08722 06439 24171 09002 91053 01197 28200
54070 09669 03885 06020 46594 97143 04122 14385 88691 30752
96646 43872 92583 43345 79488 28434 22161 99961 80732 98038
49888 51085 68607 47799 96228 98516 24543 69247 00000

11166 70202 24685 28070 01219
23573 69418 75319 59114 29160 57821 33630 01968 49029 30782
94531 27104 78565 01137 76775 76125 39908 25266 65653 67446
59973 86945 01021 80201 08731 82475 71676 69891 96164 99262
77028 20443 51376 05045 41980 62404 32239 89955 95976 11915
39070 28599 52146 10188 30734 54333 47485 68150 66630 62960
30006 45957 22994 87976 03800 22050 56954 14615 67947 31459
16782 24827 10216 78027 21766 90421 41471 50251 60153 56524
81763 95413 78603 82570 33994 31719 61569 32989 06135 03096
24068 34797 67904 06357 66263 44261 52864 45425 63307 89841
41863 92284 88862 83584 88757 59361 95764 18162 74365 13023
02248 91826 48179 46945 72177 75560 47932 02054 22111 74399
57282 87057 16827 89053 53946 52182 67958 50172 57578 70119
00000

13427/11054/8189 kHz, 30-04, 0700/0710/0720 UTC
11166 70202 35687 30015 00049 00000 00000 00000 00000

Link 80214

16351/14367/11483 kHz, 01-04, 1310/1330/1350 UTC
11166 80214 65218 01041 00049 00000 00000 00000 00000

16351/14367/11483 kHz, 08-04, 1310/1330/1350 UTC
11166 80214 21358 08056 00049 00000 00000 00000 00000

16351/14367/11483 kHz, 15-04, 1310/1330/1350 UTC
11166 80214 16937 15052 00049 00000 00000 00000 00000

16351/14367/11483 kHz, 22-04, 1310/1330/1350 UTC
11166 80214 23651 22035 00049 00000 00000 00000 00000

16351/14367/11483 kHz, 29-04, 1310/1330/1350 UTC
11166 80214 34568 29024 00049 00000 00000 00000 00000

F06a – FSK 200/1000

7425/6823/5350 kHz, 01-04/02-04, 0400/0415/0430 UTC	File 04468 (1216 bytes)
7425/6823/5350 kHz, 08-04/09-04, 0400/0415/0430 UTC	File 04469 (1360 bytes)
7425/6823/5350 kHz, 15-04/16-04, 0400/0415/0430 UTC	File 04470 (1488 bytes)
7425/6823/5350 kHz, 22-04/23-04, 0400/0415/0430 UTC	File 04471 (1344 bytes)
7425/6823/5350 kHz, 29-04/30-04, 0400/0415/0430 UTC	File 04472 (1120 bytes)
19417/16286/14984 kHz, 03-04/04-04, 2100/2115/2130 UTC	File 04462 (816 bytes)
19417/16286/14984 kHz, 10-04/11-04, 2100/2115/2130 UTC	File 04463 (1024 bytes)

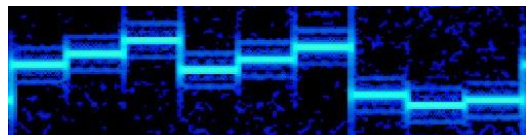
19417/16286/14984 kHz, 17-04/18-04, 2100/2115/2130 UTC File 04464 (1088 bytes)
19417/16286/14984 kHz, 24-04/25-04, 2100/2115/2130 UTC File 04465 (912 bytes)

12211 kHz, 22-04, 0930 UTC File 44403 (832 bytes) Header: 44400 00608 21547 22003 00009

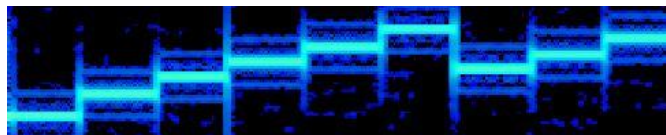
X06 - Mazielka

13448 kHz, 01-04, 0731 UTC MFA Moscow clg 162543: Russian embassy Nicosia
7988 kHz, 08-04, 0752 UTC MFA Moscow clg 561243: Russian embassy Helsinki
13506 kHz, 08-04, 0940 UTC MFA Moscow clg 164532: Russian embassy Dublin

7543 kHz, 08-04, 0738 UTC Test: 456456**312** changed at 0741 UTC in 123456**456**.
Note that the last three tones were lower than the usual tones for the same digits.



456456456312



123456456

XPA1

10428/11431/13441 kHz, 01-04/06-04/08-04, 0700/0720/0740 UTC

486 486 486 1 486 486 486 1 486 486 486 1
08416 00188 70296 04344 54279 32755 79248 92330 26466 04224
35018 74755 88582 91618 71115 99046 51478 50591 98970 81491
54427 94114 67126 48730 70694 35700 64175 01683 35859 25809
44778 80533 75890 73819 01212 37123 66059 40527 38316 39876
88183 05017 71128 38943 10437 72238 77650 40027 35980 88288
06007 68475 27451 59394 88091 40239 33983 50692 10669 26710
69991 77331 21741 27202 87407 23179 02491 19334 52463 14795
78766 69885 86223 33589 68077 19768 48899 79480 22191 90859
86397 54291 99708 56600 55592 86251 79464 23259 26510 33147
32118 68408 65957 04794 10681 50197 65074 91540 42740 62792
42333 21256 86071 02448 45995 47187 12334 35865 89911 47052
18395 12176 41937 09913 27118 41147 65587 27499 27190 52191
53955 43829 48502 22944 70299 44649 02147 14764 60664 87517
49923 73800 79640 76901 78661 67849 46679 28946 57130 48588
75435 72745 46420 55240 56451 63792 06931 38219 61604 50376
60693 30058 04178 10846 38291 19258 23794 20441 44699 69017
90795 99909 73176 11305 55724 42382 63041 52224 57933 95687
12595 81035 26927 53300 72088 28113 68241 44979 41497 60620
63573 07585 71342 16436 13645 03809 65148 50863 54429 98088
23443

10428/11431/13441 kHz, 13-04/15-04/20-04/22-04, 0700/0720/0740 UTC

486 486 486 1 486 486 486 1 486 486 486 1
00111 00146 54522 81559 29030 34947 98260 50169 30054 06357
97110 74388 01956 79771 14508 82759 96130 13911 33666 41003
73790 45216 58219 52767 62156 06041 57979 25470 49075 72816
74663 46358 02786 01979 87652 68083 53893 09132 74948 03957
63706 01423 12439 62597 05473 58913 35754 20218 82474 40746
05784 28840 12327 29076 26460 80993 48914 87577 81784 90088
16500 50724 96893 19903 89820 73344 06779 93282 78667 29200
83205 57894 38639 04286 22698 12258 87165 22899 33224 75766
87965 90315 72226 19586 25060 71384 30961 14283 88759 66121
40173 29123 04319 98087 07022 51399 65159 05874 81496 80910
95626 27769 09861 97858 79820 90733 15770 12984 32285 66112
36537 86305 63432 13068 77238 60904 74662 86292 93814 90100
52973 12035 84306 63296 89154 44691 48716 03335 89460 55348
74551 75451 65581 78738 12441 88404 96824 10956 82822 39554
74760 17764 19386 51502 85672 33281 84580 62947 32135

10428/11431/13441 kHz, 27-04/29-04, 0700/0720/0740 UTC

486 486 486 1 486 486 486 1 486 486 486 1
09732 00172 82496 94460 67494 58110 17285 30143 54715 47348
27924 23309 66969 49357 97258 03334 41486 55552 65244 70000
69460 53827 69059 94831 18372 60348 98277 16894 95558 29828
54042 17897 77570 04427 46848 57654 69282 86595 68259 27612
46815 43556 24450 75240 21198 15139 65525 68238 71684 05422
96900 44759 46836 90902 20778 11736 65872 79110 64548 17414
45344 27047 03242 38593 49642 63886 63653 04543 36725 61429
99607 95751 89626 41918 42778 93485 06757 69183 45976 11005
22933 03723 79564 65733 48800 68455 20704 63821 88990 87532
73991 12047 39683 52983 59090 86332 44589 13878 09304 18824
33989 09503 67324 96519 13411 61641 81530 16208 75280 07422
29457 64008 23349 42863 55422 73279 34249 18011 87620 53805
25898 91196 95567 58320 14147 24637 97841 68537 03546 13405
23393 79946 13635 59324 20930 73808 78904 83422 69283 76509
42820 30865 74776 68546 15277 50151 92064 44131 31803 14957
78034 03764 36606 44419 88727 00937 00153 67601 98442 33885
82466 39893 72246 53435 65744 81103 01317 90489 41063 17570
89547 96956 26959 04043 01731

13368/12168/11168 kHz, 02-04/07-04/09-04, 1210/1230/1250 UTC

311 311 311 1 311 311 311 1 311 311 311 1
09118 00240 96241 79720 57125 90886 89844 05450 72582 32144
71726 55767 52392 95165 40327 64674 70033 20892 18220 63233
31237 81848 70467 40015 16041 35659 97757 02091 33728 98284
66657 73613 54434 22280 14975 32256 95027 51252 36574 41812
61894 00976 58818 88514 77986 82814 62352 84405 66087 91282
02890 85195 65201 72207 82703 43109 23110 96364 91375 34765
84988 97313 01737 40415 35049 28556 24944 82471 37725 61840
87899 54122 71064 45476 32698 29407 67414 38040 92448 31849
44678 81112 83710 32393 49896 90065 60726 44781 53258 25911
95751 71663 66282 83137 55472 65196 38333 40000 34940 87197
05168 31934 95837 68034 71348 87148 51600 28927 07985 79503
57958 77073 26377 99407 90653 10678 00623 39148 69238 83253
86188 85630 46185 66231 06960 91851 03501 89573 30563 09381
18490 31442 00397 74541 38297 23251 57593 51026 61104 67168
02925 82031 97308 82317 63325 76484 52106 99220 92137 76479
38835 15378 29309 48723 74257 69584 58769 54322 91851 22254
58402 53076 42490 79955 91961 54067 14562 11084 84639 31467
11510 92686 03266 28269 73954 82656 45657 37155 60062 92931
25679 14638 04148 34968 39322 45301 59357 12455 00504 17680
88715 21664 40474 40109 31325 02136 02504 17526 29216 34334
30551 52294 10561 53127 33897 51776 25532 15975 62795 73038
07962 44514 79162 61563 48439 07876 25572 01036 66380 14339
40284 20086 78873 56845 66551 08059 54813 58166 93736 54309
16064 97469 37463 00324 77995 35728 04575 09304 06476 95387
79630 28188 71132

13368/12168/11168 kHz, 14-04/16-04/21-04/23-04, 1210/1230/1250 UTC

311 311 311 1 311 311 311 1 311 311 311 1
03911 00086 92937 97254 77823 58666 04683 63682 43733 00483
43170 12039 87093 32160 53565 51995 39228 43949 53173 68891
49915 97597 80564 28818 74238 73387 60782 59165 17534 95737
09343 48951 43791 75333 38558 30333 83689 20196 57330 04418
02342 02383 73233 05233 38977 77273 95899 50718 61356 46471
28128 58080 96971 38856 18025 53641 39519 99085 84410 45103
61589 47177 93433 98322 73046 83693 25726 71540 87193 40976
73353 17376 18439 91319 90279 94743 40284 15121 80954 21800
90248 87600 18621 40309 68285 63094 89745 10126 67511

13368/12168/11168 kHz, 28-04/30-04, 1210/1230/1250 UTC

311 311 311 1 311 311 311 1

00198 00114 85469 25476 11298 86258 36444 83561 54662 68391
98383 54548 35639 89652 10467 06376 76307 93741 17189 91253
91265 15489 12702 94416 65695 16284 54789 60788 41160 31940
97011 17426 96769 35834 92099 96497 56761 88468 59395 23039
83473 07892 37936 75484 43959 70886 30703 60237 41055 52647
25605 03719 81579 94183 90034 14484 33821 39411 74577 25629
14789 05584 71056 71255 10634 56585 81985 86883 12126 61238
71353 71708 18774 24374 35003 12580 04112 13815 07012 52857
01590 57035 19438 02481 17890 24972 67555 07542 09323 33700
59938 66613 57527 00939 24792 29119 39357 23311 84574 99039
65223 77102 97953 43785 29159 59511 50524 84669 64451 91996
09439 74372 15988 36921 82701 58251 46722

XPA2**15859/14659/13459 kHz, 01-04/03-04, 0910/0930/0950 UTC**

00399 00193 32617 46719 94045 76660 78981 43566 37477 75738
38866 57382 38230 15705 13032 94404 77385 68234 65808 59428
01377 22211 77512 92187 80195 73038 07904 80776 80583 39158
24683 36078 34051 61928 79737 24188 65815 38538 12921 54300
44025 53102 11285 22533 65473 00752 53184 20208 73699 74144
61434 43259 86714 62934 59938 93351 73553 86116 71149 80520
77742 20308 44751 26571 32480 46110 36580 47814 91229 29718
51959 72814 55762 72617 61819 50516 74280 75253 09447 17030
59930 61190 00286 16756 00820 91675 48414 75281 03652 98276
13991 05544 24414 80554 37854 32167 47304 60415 89581 87807
48671 31239 22554 17666 60975 07136 42942 59845 53576 67374
55489 61631 61255 84939 67363 05697 97907 05564 95922 90958
15999 84833 77186 32266 98802 22753 96974 47631 94243 24709
56437 10978 60029 44911 02960 74766 02614 12021 13470 55358
81108 38771 20801 90933 70699 59022 72973 57176 39437 13265
96925 68983 23682 21358 71089 19421 38346 38950 19202 61028
90209 89117 07517 44649 69839 42862 66085 40958 35630 55499
34300 88978 45134 69953 68004 58008 75751 23226 79888 13755
75148 98634 20099 26300 00494 68985 92468 89650 47279 59661
45438 74531 61602 52740 47054 64152

17426/16326/14926 kHz, 01-04, 1100/1120/1140 UTC

01792 00001 00000 35662

15819/14919/13919 kHz, 01-04, 1600/1620/1640 UTC

00134 00228 88709 76741 60612 38922 98267 21201 09771 54620
51057 87107 83438 57961 16141 12699 65812 59482 29276 76033
29690 67113 53621 76506 26172 47172 36030 37518 79657 49706
38925 02427 47997 98200 32581 73952 07314 06350 83441 78918
88568 73649 54606 56304 87307 28617 09151 60483 89951 62160
70021 86638 71250 61001 73427 40842 22020 73050 86807 32211
85658 67598 14378 61351 52005 25586 44739 16064 29592 13202
11486 34334 51329 19394 12501 22389 19818 65860 02965 42581
48353 49579 62377 59098 20576 43844 36178 76450 19065 35810
35078 64871 31238 34477 74119 34341 92899 92135 05307 04328
88139 18680 40091 82102 34535 92989 33181 16119 66192 85654
42721 08713 74868 60242 34838 00758 88199 37067 47571 83275
28302 29727 18073 83803 83024 26354 65456 64598 53266 57070
08068 92361 99235 23683 61625 35442 88005 59592 63920 93402
50500 37717 85176 45300 28838 89053 91038 49145 81480 76593
55033 88216 22250 55993 53263 52428 85313 69992 07581 49598
30687 83334 17397 93419 95569 29888 63227 35078 86348 35808
91209 61686 76785 44033 58275 04712 81366 43336 39293 52919
88192 84879 87206 33158 58970 30662 02198 15235 81228 55352

30881 31276 22695 58267 47042 47593 33140 68294 34616 42885
97551 85215 51282 11674 84165 70125 95050 24366 37332 01797
11423 75148 58799 91311 72887 30329 36372 31741 76487 51984
84890 30797 68329 26967 55250 80773 95520 17340 38205 60548
27167

16341/14841/13941 kHz, 02-04, 1100/1120/1140 UTC

06209 00191 45578 28299 56649 73583 73415 67883 72215 70960
29821 34896 99368 84350 46929 23261 18337 99378 39925 63932
87773 47495 68157 78203 13382 83753 86121 74383 94992 20828
46448 23700 49743 80465 64081 65019 70805 47454 23645 12890
83709 28878 24073 62495 25022 12375 63008 08724 79516 70541
81742 91793 94782 46169 78252 59019 99901 40880 03817 68275
10715 89576 87974 92001 96319 50039 36886 57573 91939 47092
95982 76093 02351 47390 98994 32308 76657 68617 07893 61713
45129 85984 10033 14705 28271 30194 47644 33282 41988 34116
95213 61578 22190 53497 71312 05014 95184 37078 98499 65682
29721 52466 70319 79687 81902 47022 58197 26889 42269 90227
43341 69206 85065 91282 90936 25729 42663 04462 18543 10842
84729 21212 93727 85316 62189 17899 67446 05552 77106 42298
71100 31943 48041 87539 64053 20410 68709 61843 10538 94492
90407 25196 05318 86403 08853 22742 36438 74414 10626 91434
50438 64670 03303 29401 05587 34559 78794 18640 79121 27903
84500 13240 17771 23407 74654 38350 50989 49904 87486 74604
79616 71781 25500 97683 13049 74672 06103 56525 52395 99349
11479 30532 91330 87383 57508 00411 47214 26131 35824 03475
64079 29407 87358 53771

14377/14977/15977 kHz, 02-04, 1200/1220/1240 UTC

01179 00001 00000 36260

15881/14481/13381 kHz, 03-04, 1500/1520/1540 kHz

00486 00255 39789 20419 02760 58061 49550 75513 31513 67742
90984 89333 33259 37127 74647 25652 01817 06931 09182 03618
86562 85330 62214 88067 27494 09090 48114 90414 07507 76528
98586 24286 52756 06701 70359 64101 50360 00751 61391 08482
35772 28928 28461 96223 87748 15601 46656 90213 04760 39314
63390 82769 69801 85417 37450 08992 34949 90405 40384 58004
01680 80177 07422 98835 96848 39229 60629 61584 25683 67954
09477 58787 95726 96203 03921 66571 94860 02028 19244 45121
52868 93101 20702 86816 10248 95537 12146 93437 06712 39950
87470 14975 89344 93677 82035 85328 26199 74360 48274 73214
31126 73145 14282 57047 10729 67932 63257 90916 63281 69695
34274 81517 66664 26766 89069 43624 52515 87016 98511 68349
60068 70922 11035 89167 51671 72141 11769 92774 87453 26807
38207 47401 54091 78955 93623 08737 51266 44747 26763 53587
74311 94362 83065 59700 45382 97510 70285 79446 81962 81600
11248 43491 28128 48602 28358 26591 36937 30149 88748 80670
26665 16105 69447 03683 12008 60027 70344 41620 58188 71764
90918 25436 91187 85196 67353 06222 77612 71742 42292 67168
98621 07393 32207 06072 87673 62820 01085 92484 77272 21201
23319 25680 30249 42694 33833 89370 39302 89531 23690 92423
33677 48481 23895 91618 07517 86165 37337 81002 21521 06472
13259 20425 27145 67333 39396 52309 50956 29458 50239 36747
77367 01858 36682 97015 42140 96709 90797 17342 19311 30654
39146 31381 65455 23445 15990 23430 87561 32784 37639 82287
87534 09712 46147 34288 20002 55045 33269 21254 62439 66291
59897 55954 35600 85626 10927 34921 42523 74042

14442/15842/16342 kHz, 04-04, 1200/1220/1240 UTC

00634 00028 99143 51853 26857 63632 88838 07883 72646 07860
56884 65580 07780 06501 40303 08806 88806 68830 86672 88625
87036 58265 78833 02608 31388 38335 60086 05347 00726 76280
25155

11409/12209/13409 kHz, 05-04/07-04, 0700/0720/0740 UTC

06093 00144 46190 13845 35504 53748 10991 74562 78200 23235
32410 88567 44097 16414 60576 94676 08314 60264 95160 11905
65767 91771 81038 05896 37469 10830 31603 30863 66013 89900
73487 29398 21696 77205 82478 41985 71445 99867 11550 03834
15224 46172 59756 05319 14386 33619 48621 25638 71179 22789
06599 96608 94156 38738 43179 75655 40321 05466 32157 61178
15109 86024 75457 92802 03021 80057 11597 59443 54157 71118
02815 95866 36346 80595 90713 87348 65607 54942 82286 35726
06064 20726 47067 30311 44857 73779 91314 28344 35108 41103
32383 73921 06532 74552 12730 01740 23633 63541 68281 61001
10529 04943 09453 61422 15644 92950 21106 81315 80618 93536
91559 02672 65940 77035 68127 96588 65853 81308 46423 42408
51470 93406 69946 77624 61397 05963 05050 14088 67355 21747
17289 28476 72664 70613 48476 37447 25250 49078 52164 10998
69140 05414 56015 56416 40389 88416 73531

18038/17474/16286 kHz, 05-04/07-04, 0910/0930/0950 UTC

09979 00192 09044 16182 07954 76511 44568 39184 30680 33136
97716 87852 95939 07976 73246 39695 56975 96575 28714 48367
10862 41550 92296 96756 59209 69022 55064 72413 24688 69819
48034 30707 71140 30523 14977 95175 87933 65699 17359 54322
20672 00810 56251 97791 95704 32495 04664 38633 48219 43008
55622 99589 98074 36552 67227 81140 92942 41775 10084 08188
46953 10721 72102 31385 93742 82766 95125 85890 25685 93893
76911 20912 81246 84666 58379 98285 93802 53188 53798 39060
48663 80427 71743 39001 83252 53516 20687 15388 95153 94599
32377 76506 12054 00646 58019 69908 17383 30184 83687 68048
22152 03623 41897 05673 87560 57336 67943 47190 70370 32663
89319 98160 39878 01871 36746 79687 86700 50118 88318 59728
39500 42319 99102 66709 85684 30484 57726 74614 17098 71316
78869 35111 34990 16857 77774 67065 88748 27822 67285 42368
49495 07706 93017 73450 18917 28888 36673 14668 86931 52007
54182 03735 61014 63054 50208 75842 85845 08626 12345 98626
74519 90029 53531 09377 33230 37235 25858 03570 37301 21267
98175 78551 82855 14401 01165 86081 79019 53672 97733 89473
46361 47169 38240 85266 68431 62888 62667 66747 82554 63678
29140 18968 86659 82837 43364

15881/14481/13381 kHz, 05-04, 1500/1520/1540 kHz

01796 00001 00000 37662

16341/14841/13941 kHz, 06-04/09-04, 1100/1120/1140 UTC

00482 00063 90553 56306 40102 55116 01868 85729 07075 05126
28879 32646 61699 78093 84099 16277 25602 03942 64768 40564
48884 72597 05110 57848 71773 60252 56776 95854 25572 95862
34456 34908 78958 16936 61343 97312 14692 53829 76979 11633
30911 69294 76627 01007 97835 30886 37152 34449 69368 53725
52530 69145 53192 21954 87304 03487 79983 68552 63839 36549
40736 69719 33201 33617 20601 11175

14442/15842/16342 kHz, 06-04/11-04, 1200/1220/1240 UTC

09942 00098 27494 22765 96130 00960 98441 26470 94313 34103
02491 08786 43286 01636 42930 61692 95736 96297 42205 71246
98697 63670 23369 87100 38504 20508 49828 81166 07212 97496
39713 03128 47286 93529 96949 75754 40764 60970 80990 37065
66888 22370 01258 54726 52202 10761 16910 38643 00027 26484
61575 33402 47703 67690 88735 29327 08102 45369 23546 31147
65399 22981 84341 30362 00833 48213 59127 11825 87487 34783
24837 94871 00683 69608 40110 11535 67920 78994 00404 87263
73373 10969 19728 26724 09049 54326 58169 11022 49682 56633
18398 78690 52232 99397 38014 83393 20728 03723 84115 75212
55514

15819/14919/13919 kHz, 06-04, 1600/1620/1640 UTC

01973 00001 00000 37260

17426/16326/14926 kHz, 07-04/08-04/14-04/15-04, 1100/1120/1140 UTC

01182 00116 57946 62902 68296 60264 30875 42698 53912 24512
28801 84484 57008 52871 80390 51721 84758 44043 31089 27544
36669 84045 92849 60653 37391 79697 23218 90958 94386 54435
89905 63010 07320 80430 33423 92364 34631 10102 54734 71205
39336 03325 69403 66280 37511 41317 36291 43725 36448 02612
58523 74825 33112 50458 29494 97504 11376 35312 67362 31531
93367 42785 87750 23862 15501 66970 04526 45602 95391 89887
25125 13959 26100 20177 90324 79156 54303 60261 31754 71062
00439 02355 18285 16383 75185 60921 97161 10560 25733 06435
11875 83141 22567 72525 60618 91161 31296 38719 74974 21280
40419 70008 72923 65737 57805 42813 98927 30298 98954 09682
55490 65127 26801 55100 23063 03586 10833 90738 40606

14377/14977/15977 kHz, 07-04, 1200/1220/1240 UTC

03428 00001 00000 37255

15859/14659/13459 kHz, 08-04, 0910/0930/0950 UTC

02357 00001 00000 36257

15819/14919/13919 kHz, 08-04, 1600/1620/1640 UTC

08926 00001 00000 40662

14377/14977/15977 kHz, 09-04, 1200/1220/1240 UTC

05737 00001 00000 40260

15859/14659/13459 kHz, 10-04, 0910/0930/0950 UTC

02742 00001 00000 35656

15881/14481/13381 kHz, 10-04, 1500/1520/1540 kHz

05408 00001 00000 37255

11409/12209/13409 kHz, 12-04/14-04/19-04/21-04, 0700/0720/0740 UTC

06645 00138 62674 21971 87536 00960 16259 24333 72495 65424
65105 26188 18597 49447 82738 95687 09282 02928 46131 68527
73443 70998 69081 48210 24216 20565 85305 79490 22576 54241
97090 45910 67059 05356 42864 43866 77258 12325 59215 49506
08417 49946 81751 99038 42326 13825 28495 82588 44295 01424
13647 42848 05623 85546 82793 68223 03546 35873 29232 83683
96273 88274 57853 09626 90469 29029 63371 34791 63939 24153
39361 34878 01923 40608 89435 26654 09470 78563 20718 88124
86717 75865 95697 52913 96728 20134 30003 14423 70568 66869
27234 40590 80325 68118 89412 88814 67312 39350 49740 62986
64817 68137 88230 84776 08135 07036 59000 65438 08070 69197
62043 10716 68806 35671 54152 50573 27734 42176 13524 74210
35432 63651 22149 34652 60193 42319 49565 81660 09697 90192
44224 22995 19374 39413 49269 46370 33291 36804 81066 35015
54467

18038/17474/16286 kHz, 12-04, 0910/0930/0950 UTC

09939 00001 00000 42264

15881/14481/13381 kHz, 12-04, 1500/1520/1540 kHz

01970 00001 00000 35660

16341/14841/13941 kHz, 13-04, 1100/1120/1140 UTC

03655 00001 00000 36660

14442/15842/16342 kHz, 13-04/18-04, 1200/1220/1240 UTC

05964 00200 34742 66150 53778 71152 52044 90441 37542 69448
61315 73671 22514 05425 89325 32296 88687 31729 67322 02485
70169 59331 00039 97145 21600 40345 82733 08766 95489 30667
49969 05679 06064 17439 07865 50970 59633 14379 04663 55285
62271 38761 18051 53244 02034 27916 96720 40546 99467 41135
28665 33337 98188 23616 15044 32792 21363 94812 69663 73097
73282 40564 53748 23679 92276 60956 93507 64261 88782 51499
65098 69997 37188 85705 74429 68620 12286 48104 63056 29069
40926 92209 92571 06110 59506 76438 48952 70238 95419 88934
41749 75062 57354 43856 86569 12149 51193 88816 36058 40607
64185 87756 57760 71631 90593 85182 51691 57684 64399 33674
94876 32574 47808 43420 02865 02169 75710 55692 44306 07355
49735 98739 22867 18213 76258 35234 91940 78468 31904 22318
90977 61393 63083 09525 94436 10849 20685 47737 68374 52317
56041 88564 68038 80352 72484 44477 13772 04018 52386 07560
68166 92414 59718 54437 25788 91319 66061 41464 10972 65988
23288 09826 83071 94750 86583 02714 07805 04231 55186 36494
20979 05189 89689 80153 36401 34255 79303 99915 86621 73349
74635 17706 10056 51626 03590 97302 20023 74927 13746 40275
90016 44182 86193 63555 84982 03058 26025 65229 17308 78678
10455 70914 64504

15819/14919/13919 kHz, 13-04/15-04, 1600/1620/1640 UTC

06416 00221 16950 08052 94427 06410 15852 88599 83072 77771
90407 51708 36766 22083 01385 08728 02905 13715 38102 45962
16982 07148 94277 50372 29904 56642 27493 05399 14928 83006
30090 10530 47359 53714 00232 96297 81583 47458 20074 99606
28722 49970 74865 50229 67862 38820 69660 84913 17682 83053
68682 64575 26707 96666 65689 57824 54276 00626 15120 06938
95682 01417 01224 17467 64662 36857 05224 78817 17698 76889
39990 39449 78558 26085 93138 66574 27877 16305 96152 21902
49267 05983 38413 96930 67708 34825 56321 01835 55649 04399
21869 69903 03526 79060 45568 50239 62741 25733 62014 79398
90674 48379 01684 39879 45911 69233 37143 41959 10640 58832
21376 44552 08705 34378 63673 84936 10713 47783 11625 13613
58830 97190 78054 51740 39253 35749 19774 88673 82768 14289
02281 88677 60996 01455 44353 08061 39734 83949 81051 46705
59361 85368 58053 86586 85505 13058 19831 33113 36558 80394
43266 55761 78874 84851 13613 38196 33171 03723 23930 06359
45115 52348 65272 21903 40523 40258 00359 82168 77597 76455
99757 81756 42555 99460 87820 12454 88835 31221 32786 11111
61647 02813 08278 68250 26981 55793 61161 51025 21979 13326
78250 52541 68528 80195 36326 15665 79770 28162 43377 99347
49516 64562 89955 77486 71495 84433 36915 83584 15017 88474
20461 47964 86467 17359 07805 31257 36259 82640 15242 84396
62213 62788 38672 56416

18038/17474/16286 kHz, 14-04, 0910/0930/0950 UTC

05623 00001 00000 35657

14377/14977/15977 kHz, 14-04/16-04, 1200/1220/1240 UTC

09875 00178 67818 75703 23400 98534 92681 82584 78332 93807
20876 95488 15484 60411 12090 04906 67200 63970 97600 09020
31676 54296 77709 14072 36951 25374 23149 11777 36330 97515
35308 51770 82872 05624 74998 88425 13982 08100 74431 74914
80861 01507 30317 40627 10080 56421 30760 01766 68640 00688
11191 73647 77144 78928 91804 15194 59385 05198 76897 31733
99537 78847 28197 56063 40634 34980 61472 80270 60393 74437
18877 80258 72303 05169 54341 89633 95850 51721 53508 57572
68830 44275 88246 94480 66235 22495 52760 98201 65779 48668
58599 15148 99125 69404 10105 83226 13830 14619 53377 07665
92567 47145 52811 10264 11179 21488 84376 81413 02071 17109

98144 58691 15403 30505 70722 04090 28576 36667 18794 84905
29535 90558 93629 03338 13042 78085 45899 44716 23061 34720
61449 59295 16730 48462 03132 60449 00254 70709 13704 78585
32409 72115 92708 55248 50419 18770 38719 67725 71914 36929
44372 53064 03283 40100 28199 83772 77190 38216 11873 01629
78527 62864 30272 89664 68645 51135 14202 86014 72201 58952
20308 15691 56902 27342 64171 46629 95558 55539 44881 90274
60572

15859/14659/13459 kHz, 15-04/17-04/22-04/24-04, 0910/0930/0950 UTC

03266 00068 97764 23032 34432 31507 92587 68766 96801 38100
18262 41040 04831 45722 04368 64655 67166 55977 51070 31609
09208 81477 99329 36856 15016 45716 20712 41381 17767 79190
74182 56089 10258 74139 86601 97595 19998 44753 75637 32726
18620 86286 47539 83919 68472 40951 61360 69351 08412 40794
09957 04812 69633 94191 09318 09273 32900 90961 59718 48441
40920 68250 03956 72542 97638 46318 68785 81830 71747 34583
02417

16341/14841/13941 kHz, 16-04, 1100/1120/1140 UTC

09698 00001 00000 40272

15881/14481/13381 kHz, 17-04, 1500/1520/1540 kHz

06602 00001 00000 35256

18038/17474/16286 kHz, 19-04/21-04/26-04/28-04, 0910/0930/0950 UTC

00596 00090 01530 75006 47997 80995 58230 23927 04274 17129
77477 04380 22931 24176 07692 29956 66783 83686 01158 39765
79733 57619 67980 00950 92648 11390 87169 01924 85495 29284
22747 07240 73022 94025 10726 33442 48832 44140 68859 67969
50469 51183 39293 30291 41475 36783 56978 83796 61548 33023
02358 16801 44200 13481 77393 34953 84773 34985 59915 24894
24626 45504 46596 44454 16322 08663 04778 47308 70749 14187
78320 48494 17926 65883 71855 11721 23721 82803 80056 57681
81839 10890 93914 01599 90809 02077 14934 56684 67737 89276
70101 93362 35025

15881/14481/13381 kHz, 19-04, 1500/1520/1540 kHz

04672 00001 00000 35263

14442/15842/16342 kHz, 20-04/25-04, 1200/1220/1240 UTC

00333 00218 75028 67522 46452 17737 66029 54974 93480 86990
85746 20466 43973 92585 48447 26989 12217 53744 70461 51449
82423 10822 92175 55821 06145 78627 93414 63715 97347 90266
89426 26547 34486 10018 67139 53079 19808 32137 73614 76793
18137 62286 24237 99795 53541 08718 98981 84976 65899 30754
78571 57389 38387 26151 80994 76902 37158 80425 96051 33876
77780 00768 83165 25831 40282 45169 10210 17230 16483 76332
11854 77023 09581 40284 87689 80416 10136 68451 16567 18545
64964 33670 30061 62265 58051 39303 16957 91723 14327 39729
00545 84017 43125 77666 94989 96051 13227 58693 85346 57518
51564 28125 94983 02859 24161 28629 20599 18437 92928 78056
06743 78505 77204 12239 92902 48170 16521 29930 88750 63154
62202 53611 29782 75618 66510 81280 91638 93548 41929 01151
66470 05016 87848 74729 84786 92407 14224 91071 10731 52850
37054 06255 96688 52527 66311 80332 84496 08209 96451 68709
33609 04299 58440 96849 39841 23583 80735 76063 78621 70469
95942 91181 10052 63913 82138 22338 97812 63367 23746 64706
84830 61393 72684 83731 30171 21972 85590 88987 96362 53864
73079 10215 72214 54869 92670 19033 00906 59507 59812 23213
34785 66008 77392 40257 10832 72621 66766 83208 82130 16356
69912 89654 33942 66637 60909 71332 70592 20541 27897 02664
32036 52700 84097 56036 51993 37521 57942 58106 37528 07657
33537

15819/14919/13919 kHz, 20-04, 1600/1620/1640 UTC

02020 00001 00000 31254

17426/16326/14926 kHz, 21-04/22-04, 1100/1120/1140 UTC

00220 00134 59338 41739 39819 66720 01547 76530 29067 89499
66487 54019 95083 57192 97058 61673 71470 57069 99932 05730
59977 01950 54767 31892 01256 15199 89444 30304 14514 15430
67996 61239 13618 13389 48918 06729 10270 01717 56472 09985
60121 03119 47323 62577 19004 82394 36552 05427 72669 62878
84852 02009 89080 13976 68449 98660 24589 13582 55715 83651
48770 84111 69996 61667 29627 87732 16703 50352 14941 56541
47410 15691 69165 74657 32277 45660 80809 88242 62383 20754
41389 05735 18565 06707 86757 24844 30676 90266 08919 67258
94739 99859 00031 27517 67542 33829 26733 24871 95401 08832
48635 12707 62452 22267 55367 94694 59072 78311 30462 67694
76245 48899 13698 77758 59486 56630 80544 98938 58205 09737
57641 57242 53298 17754 30865 32339 57960 84198 68148 83697
73080 69281 75845 81246 71473 83491 32432

14377/14977/15977 kHz, 21-04/23-04, 1200/1220/1240 UTC

00303 00202 21361 25586 39367 65641 33639 52340 64915 45525
05265 41896 97635 33889 47699 45622 01473 54054 67708 76735
48823 38129 87229 84873 30692 86071 06930 66633 90324 44439
22878 22375 55539 12164 01977 12698 26421 41030 24924 20628
83430 64203 39088 41259 90367 78671 68744 27234 59681 76826
44681 79634 88357 69512 83511 45261 72589 43551 53902 60261
33740 32396 71289 03489 79820 03243 88916 15971 05256 73820
31936 00864 41936 49196 37915 36094 94146 90874 28753 00155
68483 21501 23730 57693 23460 38712 33475 94399 15944 74983
02181 92019 92097 96391 23092 25730 52733 88833 41675 84164
28697 95543 02386 01419 84395 77711 06093 00786 13322 17034
57136 52734 31023 97934 90012 09250 09450 93447 51384 99484
74298 52415 62738 02473 35600 47051 42735 69986 91663 95563
67062 99726 77749 09997 72283 81068 06710 54236 30693 05434
93817 51836 59955 83184 42071 56148 49180 02930 97864 57911
00641 10767 74397 09353 53088 34483 84367 33917 23581 29244
21209 79973 17709 03406 13791 49163 69031 29925 74427 01803
52800 36656 59731 62778 35338 61944 39328 52694 64916 65978
56703 97889 24663 00238 82537 22110 34673 78698 71304 75329
70483 53667 03615 43495 51854 13168 85305 54005 98428 06165
67898 43595 05856 91255 24756

15819/14919/13919 kHz, 22-04, 1600/1620/1640 UTC

09204 00001 00000 34261

16341/14841/13941 kHz, 23-04/30-04, 1100/1120/1140 UTC

07274 00021 46339 77110 20480 71001 98746 78351 06677 13364
11939 76051 93658 81607 76920 57172 12655 01382 27732 01798
74970 91614 98243 70237

15881/14481/13381 kHz, 24-04, 1500/1520/1540 kHz

04688 00001 00000 40255

11409/12209/13409 kHz, 26-04/28-04, 0700/0720/0740 UTC

08220 00184 53007 24934 92281 91465 84584 14937 65015 73722
38657 87377 69955 10265 73102 19703 74752 12298 28907 41794
30924 06524 82644 09966 93001 96220 78656 91475 70084 55879
45904 87395 37930 73965 91505 85517 41146 24497 91979 43286
52568 80307 80693 02314 97547 75211 05615 58085 38625 09118
35368 71859 18515 58555 82354 66579 44440 20653 07438 14686
47717 21546 33464 15420 75017 22247 25352 35726 96320 85766
10453 20320 03216 61269 17599 55905 18584 62938 45118 66503
52816 54996 70947 07571 66198 88016 82475 13642 87489 46892

41869 49581 44189 50212 78051 38542 58555 53738 52341 67516
58229 99924 45113 72341 84833 74691 32924 94252 59704 32120
93687 57373 36251 87753 36407 86286 97957 13871 66604 19108
42574 20898 93039 30297 25512 47016 66816 30074 98404 78930
68429 21809 53758 01180 86224 79404 72558 00651 74693 39865
01609 30734 18410 27373 20485 09646 32275 29857 06928 02773
69465 74943 55781 59482 64751 74254 17527 85385 39223 76116
14469 26576 21913 50920 45706 43811 44111 42443 57455 97120
43956 33933 94245 14090 24009 40598 30681 29160 21013 82630
72691 98415 68886 07318 42039 09632 07550

15881/14481/13381 kHz, 26-04, 1500/1520/1540 kHz

08592 00001 00000 34671

14442/15842/16342 kHz, 27-04, 1200/1220/1240 UTC

00203 00222 03585 99158 05483 43629 78913 00937 24097 56033
54723 28753 51671 37924 21333 68228 71528 30335 14021 87965
32719 10919 55122 28471 22195 57593 80611 22812 04202 58087
94386 69726 36314 61542 65062 83415 27943 53775 61110 11940
45856 35390 27955 89098 58869 57260 71458 33254 69526 78851
00004 77914 40660 20901 11558 02251 90812 54119 51376 09098
20940 33761 70346 30223 87122 50799 56057 64108 67879 97127
91751 16806 50541 00748 02516 44368 76411 41112 62558 96809
64480 07738 13906 87679 03522 31419 75569 81611 59638 93034
66849 33126 81940 64179 57583 39180 70945 77950 70979 27288
43981 61820 35660 05795 09903 10226 52280 15625 03388 91230
05125 02494 42085 87855 37335 43689 89875 97547 25215 24769
57411 08072 82615 68914 86665 68014 45696 01014 41408 76308
55325 35124 92490 12774 75175 40215 86155 35816 20669 57822
47125 61474 03826 34729 64237 09933 41929 95836 73691 69682
94643 51859 09421 71995 75407 74917 38442 30379 66188 36633
42732 59300 38261 87595 43730 54040 66396 98448 07866 13141
02173 11550 75781 36359 88678 00272 28106 75147 61154 19686
57911 61925 13385 75183 21238 72718 27054 47952 03881 52820
71937 55045 71230 37035 66567 16341 03764 86626 47893 58472
83584 91210 96029 28933 81664 72475 25658 72228 28491 10346
96996 23013 30748 16201 30511 79924 96679 99240 07707 04493
35503 21772 34768 52780 26412

15819/14919/13919 kHz, 27-04/29-04, 1600/1620/1640 UTC

00142 00252 16482 62012 55953 11403 58528 75339 08878 61465
33418 37595 59819 10788 43813 00676 94895 64122 66582 55279
42937 43733 96300 65790 11953 31563 27612 82742 56458 28425
65330 03756 26618 28573 06358 04888 39794 33905 25806 54382
78600 85802 61700 89136 53329 70378 73902 14826 44879 37035
03184 65138 22625 96578 86325 94418 59562 63083 87970 61104
93825 77242 35533 32451 71457 18671 58440 83288 91634 11535
64258 84102 15311 65774 25623 70077 40929 86210 66091 02580
92575 49227 10728 25082 00486 93021 38618 07581 26707 62097
97555 03140 04831 17897 85595 74113 66377 11889 77891 57806
11811 73998 56025 39053 96049 01129 77149 19883 48294 43025
24063 69168 79323 81519 77693 65335 23013 81674 09109 16357
83409 11251 05772 49174 45313 22148 50428 89895 19408 17281
37582 98359 41820 57883 33531 42970 86795 09543 00923 88427
26178 75029 73483 35495 03290 35424 14396 14244 43926 88391
38765 60024 84079 12195 08540 49270 93120 97923 76450 11533
85342 98650 00256 53588 20858 32406 94937 31595 74768 46178
70876 69626 05241 73359 97441 82601 22022 99804 24064 11918
17134 63495 55982 79477 45738 12563 20793 85464 18082 52916
09718 53123 55362 26177 05942 04284 45736 41392 85767 23933
10104 67262 32884 99432 79713 54741 76095 73570 77864 32978
50146 80063 31921 26723 99394 02417 21190 21580 01607 29854
48583 40986 84764 89957 46457 23910 88827 01390 08390 42509
60635 13729 26874 15375 37438 51593 82786 57374 13164 55886
26613 23238 35015 19807 57119 85050 75721 33545 10522 17778
08887 66637 35370 19765 54634

17426/16326/14926 kHz, 28-04, 1100/1120/1140 UTC

06502 00001 00000 34656

14377/14977/15977 kHz, 28-04/30-04, 1200/1220/1240 UTC

02072 00204 08639 12401 64054 97634 14326 49037 10727 14228
58507 08740 03733 43498 26123 14646 06993 61988 00221 78038
95636 30039 23194 18980 83027 04473 13106 03777 65312 86428
35736 47801 68244 73758 09388 17112 14908 98049 71785 66354
63116 82504 54717 71875 04865 78275 06291 10716 53380 81824
17117 90511 60952 20656 20583 34173 92057 22707 13081 63114
98734 70275 35132 66179 92080 66119 65754 70156 05433 69952
32803 86590 40551 02529 80332 51805 22667 13031 32895 43139
17593 60004 07713 19866 32292 09162 55005 97314 94555 90950
77000 90918 93761 17850 10107 05839 44492 31912 83849 51035
75928 90719 47207 99014 66318 54032 40780 05627 24611 66788
41579 64600 46827 34612 90607 56913 60800 91649 38390 15664
15637 37161 22175 35336 51969 81393 64986 22489 70585 86164
89336 38885 87512 37534 33933 60859 95059 74643 66241 13519
64865 50760 27124 34642 55681 08315 74631 02723 81373 24760
14048 76943 61971 35031 11656 83981 19769 63458 74157 57074
78794 40370 74767 94687 08099 03909 11855 39473 09161 66727
06533 53844 90161 96520 71257 88117 00859 12523 12759 05122
94607 57384 37645 46628 64451 06167 93443 53236 12662 22987
36790 37179 75706 42913 98177 69883 92617 96393 94488 32701
33974 72053 28240 01949 63431 82092 22743

15859/14659/13459 kHz, 29-04, 0910/0930/0950 UTC

07744 00001 00000 36663

17426/16326/14926 kHz, 29-04, 1100/1120/1140 UTC

09309 00001 00000 37261

XPB1

17474 kHz, 03-04/05-04/10-04/12-04/17-04/19-04/24-04/26-04, 1200 UTC
16274 kHz, 03-04/05-04/10-04/12-04/17-04/19-04/24-04/26-04, 1210 UTC
15974 kHz, 03-04/05-04/10-04/12-04/17-04/19-04/24-04/26-04, 1220 UTC
14974 kHz, 03-04/05-04/10-04/12-04/17-04/19-04/24-04/26-04, 1230 UTC
14374 kHz, 03-04/05-04/10-04/12-04/17-04/19-04/24-04/26-04, 1240 UTC
13874 kHz, 03-04/05-04/10-04/12-04/17-04/19-04/24-04/26-04, 1250 UTC

13547 kHz, 04-04/06-04/11-04/13-04/20-04/25-04/27-04, 1900 UTC
12147 kHz, 04-04/06-04/11-04/13-04/20-04/25-04/27-04, 1910 UTC
11547 kHz, 04-04/06-04/11-04/13-04/20-04/25-04/27-04, 1920 UTC
10447 kHz, 04-04/06-04/11-04/13-04/20-04/25-04/27-04, 1930 UTC
9347 kHz, 04-04/06-04/11-04/13-04/20-04/25-04/27-04, 1940 UTC
8147 kHz, 04-04/06-04/11-04/13-04/20-04/25-04/27-04, 1950 UTC

13527 kHz, 05-04/06-04/12-04/13-04/19-04/20-04/26-04/27-04, 0500 UTC
13927 kHz, 05-04/06-04/12-04/13-04/19-04/20-04/26-04/27-04, 0510 UTC
14727 kHz, 05-04/06-04/12-04/13-04/19-04/20-04/26-04/27-04, 0520 UTC
14927 kHz, 05-04/06-04/12-04/13-04/19-04/20-04/26-04/27-04, 0530 UTC
15827 kHz, 05-04/06-04/12-04/13-04/19-04/20-04/26-04/27-04, 0540 UTC
16327 kHz, 05-04/06-04/12-04/13-04/19-04/20-04/26-04/27-04, 0550 UTC

P03

P03I 7984 kHz, 14-04, 1120 UTC, QPSK 100Bd/464pb

I noticed three spurs on my own radio and also on the Warsaw and Twente SDRs

Copied on cf 7955, 7970, 7985, 8000 kHz

DIPLOMATIC STATIONS

Egyptian diplomatic stations

16010 kHz, 08-04, 1336 kHz, CODAN	99904: MFA Cairo messages to unid embassy
16066 kHz, 08-04, 1400 kHz, CODAN	99910: MFA Cairo messages to 66601: Egyptian embassy Washington
16088 kHz, 08-04, 1409 kHz, CODAN	99910: MFA Cairo messages to 66601: Egyptian embassy Washington
16240 kHz, 08-04, 1415 kHz, SITOR-A 100/170	MFA Cairo clg RCVB: Egyptian embassy Washington, then messages in CODAN.
	Id 99910: MFA Cairo to 66601: Egyptian embassy Washington
16015 kHz, 08-04, 1447 kHz, CODAN	99910: MFA Cairo messages to 66601: Egyptian embassy Washington

CLANDESTINE / TARGETED RADIO & JAMMERS

Russian-Ukrainian radio war

7055 kHz, 08-04, 1605 UTC, LSB	Anti Russia propaganda. Excerpt of radio programs
7055 kHz, 30-04, 1735 UTC, LSB	Political ranting
11530 kHz, 10-04, 1720 UTC, AM	Radjo Denge Welat. Program in Kurdish targeted to Turkey
11530 kHz, 10-04, 1720 UTC, AM	Radjo Recip Erdogan jamming Radjo Denge Welat
11530 kHz, 29-04, 0830 UTC, AM	Radjo Denge Welat. Program in Kurdish targeted to Turkey
11530 kHz, 29-04, 0830 UTC, AM	Radjo Recip Erdogan jamming Radjo Denge Welat

UTILITY ROUND-UP

PROMRÖ

Unid Bulgarian station with a daily schedule on 4735 kHz at 0700 UTC (summertime) or 0800 UTC (wintertime).

The messages are hand-keyed. Depending on the operator it sends the date as = 0111 = or = 01 11 = and midnight as 2400 or 0000. Sometimes = ABV = but most of the time = ABV. ABV means "I repeat".

4735 kHz, 05-04, 0701 UTC

VVVVV PROMRÖ = 0 5 0 4 =
1000 0570 0610 0750 1130
1200 0630 0670 0810 1200
1400 0640 0690 0830 1230
1600 0580 0630 0770 1150
1800 0580 0620 0760 1120
2000 0490 0510 0600 0850
2200 0370 0390 0450 0630
0000 0340 0360 0410 0560
0200 0330 0340 0390 0540
0400 0330 0340 0390 0530
0600 0320 0340 0400 0560
0800 0510 0560 0690 1040
= ABV =
VVVVV PROMRÖ = 0 5 0 4 =
1000 0570 0610 0750 1130
1200 0630 0670 0810 1200
1400 0640 0690 0830 1230
1600 0580 0630 0770 1150
1800 0580 0620 0760 1120
2000 0490 0510 0600 0850
2200 0370 0390 0450 0630
0000 0340 0360 0410 0560
0200 0330 0340 0390 0540
0400 0330 0340 0390 0530
0600 0320 0340 0400 0560
0800 0510 0560 0690 1040
= AR

4735 kHz, 07-04, 0700 UTC

VVV VVV PROMRÖ = 07 04 =
1000 0570 0610 0750 1120
1200 0620 0670 0800 1190
1400 0640 0680 0820 1220
1600 0580 0630 0770 1140
1800 0580 0620 0760 1120
2000 0500 0530 0620 0880
2200 0380 0400 0460 0650
0000 0350 0360 0410 0570
0200 0330 034E 0400 0540
0400 0340 0340 0390 0540
0600 0330 0340 0400 0580
0800 0510 0550 0680 1030
= ABV
VVV VVV PROMRÖ = 07 04 =
1000 0570 0610 0750 1120
1200 0620 0670 0800 1190
1400 0640 0680 0820 1220
1600 0580 0630 0770 1140
1800 0580 0620 0760 1120
2000 0500 0530 0620 0880
2200 0380 0400 0460 0650
0000 0350 0360 0410 0570
0200 0330 034E 0400 0540
0400 0340 0340 0390 0540
0600 0330 0340 0400 0580
0800 0510 0550 0680 1030
= AR

4735 kHz, 11-04, 0700 UTC

VVVVV PROMRÖ = 11 04 =
1000 0560 0610 0740 1110
1200 0600 0650 0780 1160
1400 0610 0660 0800 1170
1600 0580 0620 0760 1130
1800 0570 0610 0740 1090
2000 0520 0540 0630 0890
2200 0390 0410 0480 0670
2400 0360 0370 0420 0580
0200 0340 0350 0400 0550
0400 0330 0340 0390 0540
0600 0340 0360 0000 0640
0800 0500 0540 0670 1010
= ABV
VVVVV PROMRÖ = 11 04 =
1000 0560 0610 0740 1110
1200 0600 0650 0780 1160
1400 0610 0660 0800 1170
1600 0580 0620 0760 1130
1800 0570 0610 0740 1090
2000 0520 0540 0630 0890
2200 0390 0410 0480 0670
2400 0360 0370 0420 0580
0200 0340 0350 0400 0550
0400 0330 0340 0390 0540
0600 0340 0360 0000 0640
0800 0500 0540 0670 1010
= AR

4735 kHz, 12-04, 0701 UTC

VVVVV PROMRÖ = 1204 =
1000 0560 0610 0740 1100
1200 0600 0650 0780 1150
1400 0610 0650 0790 1170
1600 0580 0620 0760 1130
1800 0570 0600 0730 1080
2000 0520 0550 0640 0900
2200 0400 0420 0490 0680
0000 0360 0370 0430 0580
0200 0340 0350 0400 0550
0400 0330 0340 0390 0540
0600 0340 0370 0440 0650
0800 0500 0540 0670 1010
= ABV
VVVVV PROMRÖ = 1204 =
1000 0560 0610 0740 1100
1200 0600 0650 0780 1150
1400 0610 0650 0790 1170
1600 0580 0620 0760 1130
1800 0570 0600 0730 1080
2000 0520 0550 0640 0900
2200 0400 0420 0490 0680
0000 0360 0370 0430 0580
0200 0340 0350 0400 0550
0400 0330 0340 0390 0540
0600 0340 0370 0440 0650
0800 0500 0540 0670 1010
= AR

North Korean military

3888 kHz, 02-04, 1220 UTC. North Korean military i.p. in CW
QRU 05000 05000 SK SK T T

EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES

Frequencies: 4724, 8992, 11175, 15016 kHz.

Date	UTC	Callsign	Details
01-04	2059	Deer Guard	30 chr EAM 7Y7VLS 2ZUWXKTFKORVJCL4QWHCBWEF
01-04	2112	Deer Guard	30 chr EAM 7YP4LG 7TVSREDWJRM3ZKAA5HWIOVAM
02-04	0521	Prescott	30 chr EAM 7YZD5H GRFLLZCQKX2X6VH26TJUE0TN
02-04	0530	Prescott	30 chr EAM 7YZD5H GRFLLZCQKX2X6VH26TJUE0TN
02-04	0533	Prescott	30 chr EAM 7YSKZL E3IW7AVDJRC42PD3CRDCQUAB
02-04	2103	Prescott	30 chr EAM 7YYZ2J CEFIIF27UUT5Q45QKGLONJCK
02-04	2136	Prescott	30 chr EAM 7VMYCA TZGSCNJLEUVUVOYJRF4IREMF6
02-04	2146	Prescott	30 chr EAM 7YYVJE GW4VAVFX44EYY4VEOYKVJGIN
02-04	2150	Prescott	30 chr EAM 7YYVJE GW4VAVFX44EYY4VEOYKVJGIN
02-04	2200	Prescott	30 chr EAM 7YYVJE GW4VAVFX44EYY4VEOYKVJGIN (voices in the background)
02-04	2203	Prescott	30 chr EAM 7MYCA TZGSCNJLEUVUVOYJRF4IREMF6 (voices in the background)
02-04	2205	Prescott	30 chr EAM 7YEXVN Y2JAF0ZJILFC45HII5RFGVAJ (voices in the background)
02-04	2207	Prescott	30 chr EAM 7YEEGL 45ZXYFNVJWIBQWUIJARYI3ED (voices in the background)
02-04	2210	Prescott	30 chr EAM 7YZWYL Y25RBZD7YQDNJKT6KFFFERGA3 (voices in the background)
02-04	2223	Prescott	30 chr EAM 7YVDFP EOEP4CRN2Z4TPQIP02WYAST4
02-04	2226	Prescott	30 chr EAM 7YEKJW YEIPBQL6UZUVKETPPE3NOJTD
02-04	2230	Prescott	30 chr EAM 7YEKJW YEIPBQL6UZUVKETPPE3NOJTD
02-04	2232	Prescott	30 chr EAM 7YVDFP EOEP4CRN2Z4TPQIP02WYAST4
02-04	2234	Prescott	30 chr EAM 7YZWYL Y25RBZD7YQDNJKT6KFFFERGA3
03-04	0213	Relation	30 chr EAM 7YN2EZ ORXJQBNB32XCS5ARH52IT5BK
03-04	0231	Relation	30 chr EAM 7YN2EZ ORXJQBNB32XCS5ARH52IT5BK
03-04	0300	Relation	30 chr EAM 7YN2EZ ORXJQBNB32XCS5ARH52IT5BK
03-04	0400	Relation	30 chr EAM 7YN2EZ ORXJQBNB32XCS5ARH52IT5BK
03-04	0515	Relation	30 chr EAM 7YI2N2 QQIYXUVBMU3VONHJLGJOI7RZ
03-04	0530	Relation	30 chr EAM 7YI2N2 QQIYXUVBMU3VONHJLGJOI7RZ
03-04	0549	Relation	30 chr EAM 7YEC3W WCR03VYPWMH30WOC6EHDTPKB
03-04	0552	Relation	30 chr EAM 7YKKFK PB6CBBL43HAQASBUY65AF4K6
03-04	0555	Relation	30 chr EAM 7YMZAJ 3YKEFVYBNLNDMMM3WYQGDNFZ
03-04	1746	Relation	30 chr EAM 7YDVN3 4XAVTQDVTHZBJ45N5CONF5DZ
03-04	1800	Relation	30 chr EAM 7YDVN3 4XAVTQDVTHZBJ45N5CONF5DZ
03-04	1829	Relation	30 chr EAM 7YDVN3 4XAVTQDVTHZBJ45N5CONF5DZ
03-04	1849	Relation	30 chr EAM 7YDVN3 4XAVTQDVTHZBJ45N5CONF5DZ
03-04	1929	Relation	30 chr EAM 7YDVN3 4XAVTQDVTHZBJ45N5CONF5DZ
03-04	2203	Relation	30 chr EAM 7Y56DN Q6V2UILXNJLY3IEPED6RYKHF
03-04	2206	Relation	30 chr EAM 7Y56DN Q6V2UILXNJLY3IEPED6RYKHF
03-04	2236	Relation	30 chr EAM 7Y56DN Q6V2UILXNJLY3IEPED6RYKHF
03-04	2300	Relation	30 chr EAM 7Y56DN Q6V2UILXNJLY3IEPED6RYKHF
03-04	2330	Relation	30 chr EAM 7Y56DN Q6V2UILXNJLY3IEPED6RYKHF
04-04	0000	Rail Man	30 chr EAM 7Y56DN Q6V2UILXNJLY3IEPED6RYKHF
04-04	2000	Rail Man	30 chr EAM 7YD7VV QKGFF6Q73UPNUL5UCKI4YSNF
04-04	2011	Rail Man	30 chr EAM 7YD7VV QKGFF6Q73UPNUL5UCKI4YSNF
04-04	2030	Rail Man	30 chr EAM 7YD7VV QKGFF6Q73UPNUL5UCKI4YSNF
04-04	2040	Rail Man	30 chr EAM 7YD7VV QKGFF6Q73UPNUL5UCKI4YSNF
04-04	2058	Rail Man	30 chr EAM 7YD7VV QKGFF6Q73UPNUL5UCKI4YSNF
04-04	2129	Rail Man	30 chr EAM 7YD7VV QKGFF6Q73UPNUL5UCKI4YSNF
05-04	0216	Left Foot	30 chr EAM 7YRKPY GOY3IX44GDCKQAAU3Z4GZA37
05-04	0420	Left Foot	30 chr EAM 7Y4WPA XB5U0A7RIBGLTFQHITAIVEFJ
05-04	0429	Left Foot	30 chr EAM 7YXXO GWDPT3I7TL7EWTR2TMBYQIDW
05-04	0432	Left Foot	30 chr EAM 7YXXO GWDPT3I7TL7EWTR2TMBYQIDW
05-04	0434	Left Foot	30 chr EAM 7Y4WPA XB5U0A7RIBGLTFQHITAIVEFJ
05-04	0453	Left Foot	30 chr EAM 7Y7KS2 D4TZFCHCXJM4I22MBHD5AUK
05-04	0456	Left Foot	30 chr EAM 7YWUGN IP43PJ2MGYNDDVAFI7PEYGB4
05-04	0500	Left Foot	30 chr EAM 7YWUGN IP43PJ2MGYNDDVAFI7PEYGB4
05-04	0503	Left Foot	30 chr EAM 7Y7KS2 D4TZFCHCXJM4I22MBHD5AUK
05-04	0505	Left Foot	30 chr EAM 7YXXO GWDPT3I7TL7EWTR2TMBYQIDW
05-04	0512	Left Foot	30 chr EAM 7Y6FC4 OETDLKT2AVVY3NFRHPGJC7BR
05-04	0515	Left Foot	30 chr EAM 7YW5A6 GWE6Y6AA4MLFH5MB53FIUZH
05-04	0522	Left Foot	30 chr EAM 7TWDKN IHJ3QLKS57S54QV727HNG7P6

05-04	0528	Left Foot	30	chr	EAM	7YQUDN	MBBYLJBZ2WP6NTJ43WT5RBGO
05-04	1903	Left Foot	30	chr	EAM	7YFAFW	UKLC2H4SCKYKH34RXNXHEGZ5
05-04	1904	Left Foot	30	chr	EAM	7YJ4LN	S24UZK26CVQTASFCJGDPZXVE
05-04	1929	Left Foot	30	chr	EAM	7YFAFW	UKLC2H4SCKYKH34RXNXHEGZ5
05-04	1931	Left Foot	30	chr	EAM	7YJ4LN	S24UZK26CVQTASFCJGDPZXVE
06-04	1202	Mince Pie	30	chr	EAM	7Y2J7Z	G6ZNRNVPW6QY2GDL6SP3BYD
06-04	1230	Mince Pie	30	chr	EAM	7Y2J7Z	G6ZNRNVPW6QY2GDL6SP3BYD
06-04	1300	Mince Pie	30	chr	EAM	7Y2J7Z	G6ZNRNVPW6QY2GDL6SP3BYD
06-04	1359	Mince Pie	30	chr	EAM	7Y2J7Z	G6ZNRNVPW6QY2GDL6SP3BYD
06-04	1449	Mince Pie	36	chr	EAM	RUJGK7	IUKKHPJUXMILMSSVZWIPV7VR07SODZ
06-04	1504	Mince Pie	30	chr	EAM	RUVPJM	Z4KPABFRZIDD5732MCCDUYFR
06-04	1524	Mince Pie	30	chr	EAM	7YOC02	OYBHXDQH2DNPH2RPICDKM2BL
06-04	1530	Mince Pie	30	chr	EAM	7YVUB6	UCDDFEUU7LPF53LCJ36Z4UHJ
06-04	1532	Mince Pie	30	chr	EAM	7YVUB6	UCDDFEUU7LPF53LCJ36Z4UHJ
06-04	1535	Mince Pie	30	chr	EAM	7YOC02	OYBHXDQH2DNPH2RPICDKM2BL
06-04	1538	Mince Pie	30	chr	EAM	RUYUYG	S6TQTP5A56MKAJ3UKVUC40UA
06-04	1540	Mince Pie	30	chr	EAM	RUYUYG	S6TQTP5A56MKAJ3UKVUC40UA
06-04	1545	Mince Pie	30	chr	EAM	7YU723	IBBCGIMGYCE53SWDSL6EFYLN
06-04	1600	Mince Pie	30	chr	EAM	7YU723	IBBCGIMGYCE53SWDSL6EFYLN
06-04	1602	Mince Pie	30	chr	EAM	7YVUB6	UCDDFEUU7LPF53LCJ36Z4UHJ
06-04	1604	Mince Pie	30	chr	EAM	7YOC02	OYBHXDQH2DNPH2RPICDKM2BL
06-04	1730	Mince Pie	30	chr	EAM	7YU723	IBBCGIMGYCE53SWDSL6EFYLN
06-04	1732	Mince Pie	30	chr	EAM	7YVUB6	UCDDFEUU7LPF53LCJ36Z4UHJ
06-04	1734	Mince Pie	30	chr	EAM	7YOC02	OYBHXDQH2DNPH2RPICDKM2BL
06-04	1800	Mince Pie	30	chr	EAM	7YU723	IBBCGIMGYCE53SWDSL6EFYLN
06-04	1802	Mince Pie	30	chr	EAM	7YVUB6	UCDDFEUU7LPF53LCJ36Z4UHJ
06-04	1804	Mince Pie	30	chr	EAM	7YOC02	OYBHXDQH2DNPH2RPICDKM2BL
06-04	1830	Mince Pie	30	chr	EAM	7YU723	IBBCGIMGYCE53SWDSL6EFYLN
06-04	1832	Mince Pie	30	chr	EAM	7YVUB6	UCDDFEUU7LPF53LCJ36Z4UHJ
06-04	1834	Mince Pie	30	chr	EAM	7YOC02	OYBHXDQH2DNPH2RPICDKM2BL
06-04	2027	Mince Pie	30	chr	EAM	7YRPKP	XYUE4EQQFLU7GVGS5BTQNAXC
06-04	2122	Mince Pie	37	chr	EAM	RUPUKO	KEIJUWQKLNELCTMUILBZWOERBBQ23QG
07-04	0501	Antitrust	30	chr	EAM	7YM4XX	2E4IWDIJJ7YKYGEDLZX5E3LK
07-04	0504	Antitrust	30	chr	EAM	7YKMT0	IEV6ZRDUEZAWT7EN5BUWFPBV
07-04	0530	Antitrust	30	chr	EAM	7YKMT0	IEV6ZRDUEZAWT7EN5BUWFPBV
07-04	0532	Antitrust	30	chr	EAM	7YM4XX	2E4IWDIJJ7YKYGEDLZX5E3LK
07-04	0557	Antitrust	30	chr	EAM	7YF5NM	YHN3WDUWFHKXMPNJ4U6FW32Q
07-04	0605	Antitrust	30	chr	EAM	7YF5NM	YHN3WDUWFHKXMPNJ4U6FW32Q
07-04	0615	Antitrust	30	chr	EAM	7YM4XX	2E4IWDIJJ7YKYGEDLZX5E3LK
07-04	0619	Antitrust	30	chr	EAM	7YF5NM	YHN3WDUWFHKXMPNJ4U6FW32Q
07-04	0632	Antitrust	30	chr	EAM	7YF5NM	YHN3WDUWFHKXMPNJ4U6FW32Q
07-04	0634	Antitrust	30	chr	EAM	7YKMT0	IEV6ZRDUEZAWT7EN5BUWFPBV
07-04	0638	Antitrust	30	chr	EAM	7YM4XX	2E4IWDIJJ7YKYGEDLZX5E3LK
07-04	1517	Antitrust	30	chr	EAM	for Pizza	RUZAWJ N337MMJFHWZZMNA3BWMELH4
07-04	1526	Antitrust	30	chr	EAM	for Pizza	RUHQBE PJIY2ZLGCLTDBEOIL7A4QW64
07-04	1626	Antitrust	30	chr	EAM	7YUAAQV	6H24C3P7CWLBB5D04XYWDGMR
07-04	1630	Antitrust	30	chr	EAM	7YUAAQV	6H24C3P7CWLBB5D04XYWDGMR
07-04	1637	Antitrust	30	chr	EAM	for Pizza for Boil	RUFH7S LZPSLF6K56GB4UHME3BOSGP6
07-04	1647	Antitrust	30	chr	EAM	for Pizza	RUD63C 6WIQWQCMY5PLX2ORS2EGRTSE
07-04	1700	Antitrust	30	chr	EAM	7YUAAQV	6H24C3P7CWLBB5D04XYWDGMR
07-04	1723	Antitrust	37	chr	EAM	RUCJ4E	TN2TTZN76IDDE7KFL63PZJ2774GFI6Z
07-04	1805	Antitrust	30	chr	EAM	for Boil	RUK7EG 2BMXSFDU6GLFTTRXAXF33BWV
07-04	1934	Antitrust	30	chr	EAM	for Pizza	RU2GLN 47MIKS6XZ7N3H7A5VX632RUC
07-04	2117	Antitrust	30	chr	EAM	7Y7PGB	Q6V6FROBVVLMGTU2WAZ7JVEG
07-04	2130	Antitrust	30	chr	EAM	7Y7PGB	Q6V6FROBVVLMGTU2WAZ7JVEG
07-04	2200	Antitrust	30	chr	EAM	7Y7PGB	Q6V6FROBVVLMGTU2WAZ7JVEG
07-04	2230	Antitrust	30	chr	EAM	7Y7PGB	Q6V6FROBVVLMGTU2WAZ7JVEG
07-04	2232	Antitrust	30	chr	EAM	7Y6WGY	2LG6SI2AXHETEKTOOILHSDY
07-04	2300	Antitrust	30	chr	EAM	7Y6WGY	2LG6SI2AXHETEKTOOILHSDY
07-04	2302	Antitrust	30	chr	EAM	7Y7PGB	Q6V6FROBVVLMGTU2WAZ7JVEG
07-04	2330	Antitrust	30	chr	EAM	7Y6WGY	2LG6SI2AXHETEKTOOILHSDY
08-04	0000	Madeline	30	chr	EAM	7Y6WGY	2LG6SI2AXHETEKTOOILHSDY
08-04	0029	Madeline	30	chr	EAM	7Y6WGY	2LG6SI2AXHETEKTOOILHSDY
08-04	0417	Madeline	30	chr	EAM	7YXKJ4	OQUEILWHSJZTLTXYD7YEL4T6
08-04	0432	Madeline	30	chr	EAM	7YXKJ4	OQUEILWHSJZTLTXYD7YEL4T6
08-04	0439	Madeline	30	chr	EAM	7YNXHE	YIQSPYDY2HSVKKNOA6CXR46B
08-04	0443	Madeline	30	chr	EAM	7YGGAG	NXEBOYR7VIGTF22SKZGJLMWX
08-04	0447	Madeline	30	chr	EAM	7Y7X7G	HIGPKJL6YD4HPGBOSXVBHOWU
08-04	0500	Madeline	30	chr	EAM	7Y7X7G	HIGPKJL6YD4HPGBOSXVBHOWU
08-04	0503	Madeline	30	chr	EAM	7YGGAG	NXEBOYR7VIGTF22SKZGJLMWX
08-04	0505	Madeline	30	chr	EAM	7YNXHE	YIQSPYDY2HSVKKNOA6CXR46B

08-04	0508	Madeline	30	chr	EAM	7Y4FZW	CHJKHEPJXBMLAHNUJRWTS64Z
08-04	0514	Madeline	30	chr	EAM	7YHTB2	0S3AZCDKNJSKFF5JWBP3HDSN
08-04	0529	Madeline	30	chr	EAM	7YT4AG	UVVTS2TFUHLKJWNUDAKAZ4T2
08-04	0531	Madeline	30	chr	EAM	7YT4AG	UVVTS2TFUHLKJWNUDAKAZ4T2
08-04	0534	Madeline	30	chr	EAM	7YHTB2	0S3AZCDKNJSKFF5JWBP3HDSN
08-04	0538	Madeline	30	chr	EAM	7Y4FZW	CHJKHEPJXBMLAHNUJRWTS64Z
08-04	1305	Madeline	30	chr	EAM	RUZJMW	EZ65GUVJ626YZZKSQZEMUHE6
08-04	1404	Madeline	30	chr	EAM	7Y35P3	FTLIOBBYSDF4GE3ZXNTWCGY
08-04	1441	Madeline	30	chr	EAM	7YHD6D	7EHPNPZHLETNPLRLYNKRCJS2
08-04	1502	Madeline	30	chr	EAM	7Y7IAW	7FDA4BLFVBZAZQPVYNTZA2XU
08-04	1504	Madeline	30	chr	EAM	7YHD6D	7EHPNPZHLETNPLRLYNKRCJS2
08-04	1506	Madeline	30	chr	EAM	7Y35P3	FTLIOBBYSDF4GE3ZXNTWCGY
09-04	0032	Base Run	30	chr	EAM	7Y4I3K	ZZDROSSM32XHO2RBNC5UR6PA
09-04	1003	Base Run	30	chr	EAM	for Young Gilly?	RU2LD2 WY6Y2A00CVTEIKRHFTII7VMB
09-04	1002	Base Run	30	chr	EAM	7YK3CK	JY2KIE7KPQN74EX4TP2DWPBU
09-04	1004	Base Run	30	chr	EAM	7Y3LHR	4PA2ZYSDYXFWRBM7E6ELUKWX
09-04	1006	Base Run	30	chr	EAM	7YWM2Q	ZCSR2R2RFL LJVD3MNOGJVZA
09-04	1008	Base Run	30	chr	EAM	7YLEXY	WIJC4DSGDPE4VH2VXN2LTHVU
09-04	1730	Base Run	30	chr	EAM	7Y3LHR	4PA2ZYSDYXFWRBM7E6ELUKWX
09-04	1732	Base Run	30	chr	EAM	7YWM2Q	ZCSR2R2RFL LJVD3MNOGJVZA
09-04	1734	Base Run	30	chr	EAM	7YLEXY	WIJC4DSGDPE4VH2VXN2LTHVU
09-04	1831	Base Run	30	chr	EAM	7Y3LHR	4PA2ZYSDYXFWRBM7E6ELUKWX
09-04	1833	Base Run	30	chr	EAM	7YWM2Q	ZCSR2R2RFL LJVD3MNOGJVZA
09-04	1835	Base Run	30	chr	EAM	7YLEXY	WIJC4DSGDPE4VH2VXN2LTHVU
09-04	1900	Base Run	30	chr	EAM	7Y3LHR	4PA2ZYSDYXFWRBM7E6ELUKWX
09-04	1902	Base Run	30	chr	EAM	7YWM2Q	ZCSR2R2RFL LJVD3MNOGJVZA
09-04	1905	Base Run	30	chr	EAM	7YLEXY	WIJC4DSGDPE4VH2VXN2LTHVU
09-04	1931	Base Run	30	chr	EAM	7Y3LHR	4PA2ZYSDYXFWRBM7E6ELUKWX
09-04	1933	Base Run	30	chr	EAM	7YWM2Q	ZCSR2R2RFL LJVD3MNOGJVZA
09-04	1935	Base Run	30	chr	EAM	7YLEXY	WIJC4DSGDPE4VH2VXN2LTHVU
09-04	2000	Base Run	30	chr	EAM	7Y3LHR	4PA2ZYSDYXFWRBM7E6ELUKWX
09-04	2002	Base Run	30	chr	EAM	7YWM2Q	ZCSR2R2RFL LJVD3MNOGJVZA
09-04	2005	Base Run	30	chr	EAM	7YLEXY	WIJC4DSGDPE4VH2VXN2LTHVU
09-04	2029	Base Run	30	chr	EAM	7Y3LHR	4PA2ZYSDYXFWRBM7E6ELUKWX
09-04	2033	Base Run	30	chr	EAM	7YWM2Q	ZCSR2R2RFL LJVD3MNOGJVZA
09-04	2035	Base Run	30	chr	EAM	7YLEXY	WIJC4DSGDPE4VH2VXN2LTHVU
09-04	2059	Base Run	30	chr	EAM	7Y3LHR	4PA2ZYSDYXFWRBM7E6ELUKWX
09-04	2102	Base Run	30	chr	EAM	7YWM2Q	ZCSR2R2RFL LJVD3MNOGJVZA
09-04	2105	Base Run	30	chr	EAM	7YLEXY	WIJC4DSGDPE4VH2VXN2LTHVU
09-04	2108	Base Run	30	chr	EAM	7YC5GU	HNOCIFNWHRIYUR4EXWZKUP73
09-04	2111	Base Run	30	chr	EAM	7YRFHN	MWGWII BNDL2023DPSML2FAB
09-04	2116	Base Run	30	chr	EAM	7YKH77	V2WORZE6ULYTJ6QXWYBHKCLZ
09-04	2130	Base Run	30	chr	EAM	7YJDSR	JL3SC7L7AV4A4D4YEZLZABUE
09-04	2133	Base Run	30	chr	EAM	7Y4VOW	TRMC6A24VS6CFN6A2SPIJYCW
09-04	2137	Base Run	30	chr	EAM	7Y3LHR	4PA2ZYSDYXFWRBM7E6ELUKWX
09-04	2140	Base Run	30	chr	EAM	7YWM2Q	ZCSR2R2RFL LJVD3MNOGJVZA
09-04	2142	Base Run	30	chr	EAM	7YLEXY	WIJC4DSGDPE4VH2VXN2LTHVU
09-04	2200	Base Run	30	chr	EAM	7Y3LHR	4PA2ZYSDYXFWRBM7E6ELUKWX
09-04	2203	Base Run	30	chr	EAM	7YWM2Q	ZCSR2R2RFL LJVD3MNOGJVZA
09-04	2205	Base Run	30	chr	EAM	7YLEXY	WIJC4DSGDPE4VH2VXN2LTHVU
09-04	2218	Base Run	30	chr	EAM	7YQCCD	OZ7QYWNBNKNCK2KYTIF7UPTK
10-04	1035	Activate	35	chr	EAM	RU5GXY	HYPX3QCKJBGJK3BZS6M26T4HPCXE5
10-04	1447	Activate	30	chr	EAM	for Drillmaster	RUGWP WHKXT2XPBRMQR72CJPKSYZRM
10-04	1456	Activate	30	chr	EAM	for Drillmaster	RUNT2T XLT7J6W5WMYNOMAID5TPH5F2
10-04	1536	Activate	30	chr	EAM	for Drillmaster	RULNAS BLJTEBNQN05UY3V764IETKOL
10-04	1546	Activate	30	chr	EAM	for Drillmaster	RU6MGX EBKIYXLV7V7SLU6IZ7H24VDH
10-04	1607	Activate	30	chr	EAM	for Drillmaster	RUJRTV SSDYL6ZZ5VXABCJCCMBTNZ3
10-04	1836	Activate	30	chr	EAM	for Pity	RUKYML BRMI4M6PC4L5MUFTIZWMHTSO
10-04	1844	Activate	30	chr	EAM	for Pity	RUEHES 4JDWEVPYV5CPKRXWNULOXDYB
10-04	1933	Activate	30	chr	EAM	7YBNTP	UBDLTG5JTHYN0XTXPNCGLU3
10-04	1943	Activate	30	chr	EAM	for Pity	RUTNLT E5BFPZETF3EFCKRNSQHFVMJW
10-04	1958	Activate	30	chr	EAM	for Pity	RUW3QL BDON6EDWUHVCDFAF7HUILLU
10-04	2116	Activate	30	chr	EAM	7YHK3A	FEXCAZKTVD5SANCBE75BVOU
10-04	2221	Activate	30	chr	EAM	for Pity	RURSYC 54XLIMLWQBAEJWLFJL3Z7V5N
10-04	2225	Activate	30	chr	EAM	for Pity	RURSYC 54XLIMLWQBAEJWLFJL3Z7V5N
10-04	2231	Activate	30	chr	EAM	for Pity	RUGVQY SQMK3ZWD732YLJHANOTUEPMV
10-04	2243	Activate	30	chr	EAM	for Pity	RU2MZA QK3SM73LKYEEP5E2Y5D732OI
11-04	1420	Camper Tim	30	chr	EAM	for Ramone	RUHFWL MIYAK26UNSBJNMVHXRDTE4X
11-04	1423	Camper Tim	30	chr	EAM	7YD545	QPZEC05LBR7T24G6DPYRXKIP
11-04	1547	Camper Tim	30	chr	EAM	for Adieu-64	RU67UC6EX0KAQ7WBGKJEBVCQ3ZS0AY
11-04	1556	Camper Tim	30	chr	EAM	VXP6UM	WN5SYJP4NK775WQJDHBZT70Y

11-04	1616	Camper Tim	30 chr	EAM	VXQQIR	006XVE5Q7FRV65Y4PN5A03I6
11-04	1631	Camper Tim	30 chr	EAM	VXQQIR	006XVE5Q7FRV65Y4PN5A03I6
11-04	1656	Camper Tim	37 chr	EAM	RUMZAE	KG5Q4DIXPEUJ22P3CGSDAKWFNKYRW7D
11-04	1700	Camper Tim	30 chr	EAM	VXQQIR	006XVE5Q7FRV65Y4PN5A03I6
11-04	1707	Camper Tim	30 chr	EAM	for Evoke-61	RUJEDQ VC6KFNJOCQG3Q65UREFZYK6M
11-04	1728	Camper Tim	30 chr	EAM	for Hiker	RURI3B 3KE3UGMQFQZRK4ZQEGF6NPB5
11-04	1731	Camper Tim	30 chr	EAM	VXQQIR	006XVE5Q7FRV65Y4PN5A03I6
11-04	1736	Camper Tim	30 chr	EAM	VXZNCG	DLKNKGEOW4IHYPMPYVTG6RHU
11-04	1757	Camper Tim	30 chr	EAM	for Rayman	RUMTAV WZVXODIRZMIIQ3JE3KWEJLRY
11-04	1800	Camper Tim	30 chr	EAM	VXZNCG	DLKNKGEOW4IHYPMPYVTG6RHU
11-04	1802	Camper Tim	30 chr	EAM	VXQQIR	006XVE5Q7FRV65Y4PN5A03I6
11-04	1814	Camper Tim	30 chr	EAM	for Rayman	RUHUE PYN4U2OZ3CUVTQ2JFKE7SQ7DH
11-04	1837	Camper Tim	30 chr	EAM	for Mither	RUXND V3AR5SJSSW7FRFDN6QZ6552ZZ
11-04	1900	Camper Tim	30 chr	EAM	VXQQIR	006XVE5Q7FRV65Y4PN5A03I6
11-04	1935	Camper Tim	30 chr	EAM	VXZNCG	DLKNKGEOW4IHYPMPYVTG6RHU
11-04	2000	Camper Tim	30 chr	EAM	VXZNCG	DLKNKGEOW4IHYPMPYVTG6RHU
12-04	0454	Lordship	30 chr	EAM	VXH7IQ	J22BXLQ4IGKBAS4DCD6DRFNO
12-04	0459	Lordship	30 chr	EAM	VXH7IQ	J22BXLQ4IGKBAS4DCD6DRFNO
12-04	1317	Lordship	30 chr	EAM	for Prequel	RUSDE2 3N34QIBGCKOV7TGSJBNSC64N
12-04	1442	Lordship	30 chr	EAM	for Dill-56	RUJC7U YEEQH7IQOV3M2SZHIYYXAY74
12-04	1606	Lordship	30 chr	EAM	for Pagan-67	RUUE3Y F7CKLLWRT63XVORZCK7QCUCV
12-04	1636	Lordship	30 chr	EAM	VXBFWA	C7ILLAWHBDAILMWOMMROG6ZF
12-04	1700	Lordship	30 chr	EAM	VXBFWA	C7ILLAWHBDAILMWOMMROG6ZF
12-04	1730	Lordship	30 chr	EAM	VXBFWA	C7ILLAWHBDAILMWOMMROG6ZF
12-04	1937	Lordship	30 chr	EAM	VX7UKA	N2ERU7QP7QSQUYDV2LCT5QAD
12-04	2000	Lordship	30 chr	EAM	VX7UKA	N2ERU7QP7QSQUYDV2LCT5QAD
12-04	2014	Lordship	30 chr	EAM	VX2MPA	H456RE7XDGNJQGMVUT2POY5B
12-04	2017	Lordship	30 chr	EAM	VX2MPA	H456RE7XDGNJQGMVUT2POY5B
12-04	2057	Lordship	30 chr	EAM	VX7TWT	UID47IUKNKFLSS3RPUKDT4EJ
12-04	2059	Lordship	30 chr	EAM	VXKARX	WHCQDQIJTOW7WBNSSS3Z2I4U
12-04	2104	Lordship	30 chr	EAM	VX2MPA	H456RE7XDGNJQGMVUT2POY5B
12-04	2129	Lordship	30 chr	EAM	VX2MPA	H456RE7XDGNJQGMVUT2POY5B
13-04	0441	Firebrick	30 chr	EAM	VXNYD2	YIHKBRNIQ4XUMBGHGAHF5AZT
13-04	0454	Firebrick	30 chr	EAM	VX7E4G	GLL5Y3RXTDYFRTAXFG7VLN4E
13-04	1450	Firebrick	30 chr	EAM	RUXCAA	HOPPMRPKOG42602J5LTSKVA2
13-04	1522	Firebrick	30 chr	EAM	VXN7DC	ECHF3U07YPIECMPQDGF6MZGQ
13-04	1525	Firebrick	30 chr	EAM	VX07UP	D24JXYF36AE6ZYCWC5U0AQR3
13-04	1527	Firebrick	30 chr	EAM	VXAUHB	2EDEG2JPAKMDHLLGHVF4YJAH
13-04	1553	Firebrick	30 chr	EAM	VXSN7A	43Q2570H74SUHSYJ52VTKIAC (not repeated)
13-04	1601	Firebrick	30 chr	EAM	VXAUHB	2EDEG2JPAKMDHLLGHVF4YJAH
13-04	1603	Firebrick	30 chr	EAM	VX07UP	D24JXYF36AE6ZYCWC5U0AQR3
13-04	1606	Firebrick	30 chr	EAM	VXN7DC	ECHF3U07YPIECMPQDGF6MZGQ
13-04	1631	Firebrick	30 chr	EAM	VXAUHB	2EDEG2JPAKMDHLLGHVF4YJAH
13-04	1633	Firebrick	30 chr	EAM	VX07UP	D24JXYF36AE6ZYCWC5U0AQR3
13-04	1636	Firebrick	30 chr	EAM	VXN7DC	ECHF3U07YPIECMPQDGF6MZGQ
13-04	1717	Firebrick	30 chr	EAM	for Ashen	RUP7VB CB7PTUGXMYMAK3PXHSJQIYV2
13-04	1722	Firebrick	30 chr	EAM	for Ashen	RUP7VB CB7PTUGXMYMAK3PXHSJQIYV2
14-04	0531	Annually	30 chr	EAM	VXCDCF	G3KWYNQYRQW6VQII4SH6KFTS
14-04	1427	Annually	30 chr	EAM	VX3QZ4	QEW6PTP7K3PR20UIM2LX7JFG
14-04	1455	Annually	30 chr	EAM	VX2ROF	TP2LS46U4PIEAT6F64SYAB4F
14-04	1459	Annually	30 chr	EAM	VX2ROF	TP2LS46U4PIEAT6F64SYAB4F
14-04	1502	Annually	30 chr	EAM	VX3QZ4	QEW6PTP7K3PR20UIM2LX7JFG
14-04	1505	Annually	30 chr	EAM	VX7WQ7	L3FZ7PAOH7V4052EONU0ZVN3
14-04	1517	Annually	30 chr	EAM	VXWUOL	6ZXVEOW7DCAV4KCAVPHCZ43
14-04	1716	Annually	30 chr	EAM	for Osprey	RUFZRK LF5PP27AXD4RTRKNP233NPGJ
14-04	1720	Annually	30 chr	EAM	for Osprey	RUFZRK LF5PP27AXD4RTRKNP233NPGJ
14-04	2104	Annually	30 chr	EAM	VXGTBG	WLNWNUU74SW3YHJJG5AD6TPO
14-04	2116	Annually	30 chr	EAM	for Osprey	RUCCSM NMTTL4YB2HZHH6SUB7CPWTBA
14-04	2303	Annually	30 chr	EAM	VXVABR	YZJKLWJQAJKFF5LYL77PQG50
14-04	2306	Annually	30 chr	EAM	VXJGQ6	UZT7S3F7JHTB5YSXQOV7PF2W
14-04	2321	Annually	41 chr	EAM	RU6ZCT	N75JNKJL2D3CNWCUL72MS733T44TMYTZWPK
14-04	2328	Annually	30 chr	EAM	VX6JBS	6D4M6X22BFTFEXSFGZHE5AKD
14-04	2331	Annually	30 chr	EAM	RUDONI	WS6N4SGDWDUMUA4UMX65GXHDC
14-04	2335	Annually	30 chr	EAM	VX6JBS	6D4M6X22BFTFEXSFGZHE5AKD
14-04	2337	Annually	30 chr	EAM	VXJGQ6	UZT7S3F7JHTB5YSXQOV7PF2W
14-04	2340	Annually	30 chr	EAM	VXVABR	YZJKLWJQAJKFF5LYL77PQG50
15-04	0216	Contender	30 chr	EAM	VX26CU	CNRGW3Y3Q32RSU76Z6YRFOPJ
15-04	1003	Contender	30 chr	EAM	for Bouncer	RUHYFH JOS7Z3FWSJZIRQFJMPY4M2QG
15-04	1018	Contender	30 chr	EAM	for Bouncer	RUXPHP QMHFWIWEJQPKYSNPWHJQAYVU
15-04	1032	Contender	30 chr	EAM	for Bouncer	RUSZY7 07SMSOUIYBYXRVS545NFTY7
15-04	1144	Contender	30 chr	EAM	for Bouncer	RUKFIJ F5TCE3VYNRIAUPSIOSPED7WX

15-04	1208	Contender	30 chr	EAM for Bouncer RUOW6B HSBETFTRWXOA05LR0EDQLTVN
15-04	1217	Contender	30 chr	EAM for Bouncer RUFYVZ GAYQOYMNJWNVBUSYISF6AHCJ
15-04	1456	Contender	30 chr	EAM VXETVM AWVCZEX2LGI45WWSBEYRC243
15-04	1458	Contender	36 chr	EAM 4BJE06 C2FOWJHNSI2X7MDCXQBAU06SA52N3V
15-04	1501	Contender	30 chr	EAM VXETVM AWVCZEX2LGI45WWSBEYRC243
15-04	1536	Contender	30 chr	EAM VXSPIH V4LK7HJG30EIHYG7TCSZTVPJ
15-04	1540	Contender	30 chr	EAM VXETVM AWVCZEX2LGI45WWSBEYRC243
15-04	1548	Contender	30 chr	EAM for Inlay-85 4BKMxG UNOEKVKC6TBRCKF5BI37BGVZ
15-04	1611	Contender	30 chr	EAM VXPSOD I63DG7DJ3V6GXT5SF6SG7PAU
15-04	1614	Contender	30 chr	EAM VXFSWF 2EATARNI6JMRHAFG52V6HCB
15-04	1617	Contender	30 chr	EAM VXBV2L WMKSC6YGLE6Y3Z4KRP20EVCT
15-04	1700	Contender	30 chr	EAM VXBV2L WMKSC6YGLE6Y3Z4KRP20EVCT
15-04	1702	Contender	30 chr	EAM VXFSWF 2EATARNI6JMRHAFG52V6HCB
15-04	1704	Contender	30 chr	EAM VXPSOD I63DG7DJ3V6GXT5SF6SG7PAU
15-04	1708	Contender	30 chr	EAM for Maze, for Melch? 4BTRY5 HINP7MYCPLVNR563R77W5ESL
15-04	1717	Contender	30 chr	EAM for Maze 4BXEXT Z445VAMH4VUPUMZMDKZDJMFD
15-04	1730	Contender	30 chr	EAM VXBV2L WMKSC6YGLE6Y3Z4KRP20EVCT
15-04	1732	Contender	30 chr	EAM VXFSWF 2EATARNI6JMRHAFG52V6HCB
15-04	1734	Contender	30 chr	EAM VXPSOD I63DG7DJ3V6GXT5SF6SG7PAU
15-04	1747	Contender	30 chr	EAM VXDPIH V4LK7HJG30EIHYG7TCSZTVPJ
15-04	1845	Contender	30 chr	EAM for Maze 4BLEB0 BARASBGC2QEZZTFZWD6NAW7C
15-04	2117	Contender	30 chr	EAM for Melch? 4BDR2H F2LOY2XH0XZBZQ460UCFPILF
15-04	2120	Contender	30 chr	EAM VXYJAY QF0GOQXPXCW4FT5ZASFQAPNK
15-04	2130	Contender	30 chr	EAM VXYJAY QF0GOQXPXCW4FT5ZASFQAPNK
15-04	2159	Contender	30 chr	EAM VXYJAY QF0GOQXPXCW4FT5ZASFQAPNK
15-04	2229	Contender	30 chr	EAM VXYJAY QF0GOQXPXCW4FT5ZASFQAPNK
16-04	0009	Rent-a-car	30 chr	EAM VXAzbF MYNGWIM4KKPYZVLBGNE2PA6J
16-04	1746	Rent-a-Car	30 chr	EAM VXXZQU ZB3KTV7RRGOEQIEC3ACFYGXs
16-04	1859	Rent-a-Car	30 chr	EAM VXXZQU ZB3KTV7RRGOEQIEC3ACFYGXs
16-04	1929	Rent-a-Car	30 chr	EAM VXXZQU ZB3KTV7RRGOEQIEC3ACFYGXs
16-04	2118	Rent-a-Car	30 chr	EAM for Doll 4BYCIE ZZ50WxEFS5FOX6N7KZP45QGT
17-04	0012	Abundant	30 chr	EAM VXTp4R SAUZ4KUQKEYwPUFOZKDR4SIU
17-04	2003	Abundant	30 chr	EAM VXAzbF D326KWMZ2X2ZNDTOCU36US2F
17-04	2010	Abundant	30 chr	EAM VXAzbF D326KWMZ2X2ZNDTOCU36US2F
17-04	2046	Abundant	164 chr	EAM AKXMEL JU7UVK5ESE4DRKDLEDm47I5I5IL70Z00LZJYyyy7VBwMSMAYLxwXNYJmFFFFSOL3RHRHB2B6D6ZZXC ZZZZREHDXFFYZXNJCJ222Z3333UA40J66WGX2T5TTSUJWwWWSBZWVXXVXXBEYEEESISAAAA3JVWET4Z7
17-04	2101	Abundant	164 chr	EAM AKXMEL JU7UVK5ESE4DRKDLEDm47I5I5IL70Z00LZJYyyy7VBwMSMAYLxwXNYJmFFFFSOL3RHRHB2B6D6ZZXC ZZZZREHDXFFYZXNJCJ222Z3333UA40J66WGX2T5TTSUJWwWWSBZWVXXVXXBEYEEESISAAAA3JVWET4Z7
17-04	2205	Abundant	30 chr	EAM VX3UOG VLZS277S7VYKOMKDh4YDGPJ7
18-04	0216	Priestess	30 chr	EAM VXCLMP 3R7QNFL4Z7VfKSJ2TAA6WBNH
19-04	1733	Pinkerton	30 chr	EAM for Kippy 4BTZi2 LJSXDMGJLJUQ4PXDPOUHU2QJ
19-04	1838	Pinkerton	30 chr	EAM for Kippy 4BF2DP V7YG7SZQLGLCNVCp3AYTEYB
19-04	2103	Pinkerton	30 chr	EAM VXEABs D7LSSBKv4L54G3VHOKO4PMSL
20-04	0032	Carpet Bag	30 chr	EAM VXLZHT 2SSHb3T7VPV40GM3QFLDMO7B
20-04	0232	Carpet Bag	30 chr	EAM VXQHw4 JMAQHfASOCVLWM6W65NVZKXE
20-04	1506	Carpet Bag	30 chr	EAM 4B5RRi Z4BEILNCH7GNQLGX5BADWZfQ
20-04	1520	Carpet Bag	54 chr	EAM 4BWyJI QUNHWE5K5FJIM2UICX2UICJYUIBTYRHZACQ6UIBLyCCWPIMy
20-04	1538	Carpet Bag	30 chr	EAM 4BLS4T VN75EWwUTKQKp5TD4I372MJP
20-04	1605	Carpet Bag	54 chr	EAM 4BGERM WSQYBU7QAEPKASyD7YJQSNQBZJZHFRG3DUQBGNZHKHQW07
20-04	1834	Carpet Bag	30 chr	EAM for Aduity 4BG0VY G5JYKQ4XYBHG47KID02JVDUB
20-04	1854	Carpet Bag	30 chr	EAM for Aduity 4BBGKL 06AQDFWU5JL5CTXHMCMLADR2
20-04	2116	Carpet Bag	30 chr	EAM VX2ZQ4 NUCEZKV5NJHR3XJHJU5FK67U
20-04	2134	Carpet Bag	42 chr	EAM 4BAN5Q TNJSJfNECS4340LGEZPM6EA47GYVDE6PD6BA
21-04	0236	Reinvest	30 chr	EAM 4XZ4GL LIOFZDENLEGC4KUWCHWGHZB4
21-04	1613	Reinvest	30 chr	EAM for Boxy 4BSTS6 TE7BUMY6Z3GA2XMO4LQINWZA
21-04	1804	Reinvest	30 chr	EAM for Boxy 4BJFLU PQWEEIYK4ZNYZGI7XP22QCD
22-04	0034	Parsonage	30 chr	EAM VXEFNV AONQZYNMEPV2YUUSXFCZ3UNA
22-04	0206	Parsonage	30 chr	EAM VXXxAE OAI7T5L4GBTB72KLGH7POUQA
22-04	1449	Parsonage	36 chr	EAM 4BZMUZ QB3NSS45MBFPXVUAICEYGB2H65XZX
22-04	1512	Parsonage	30 chr	EAM 4BK3SW UNQR7NZ7MG4KMBEARDLYOOEA
22-04	1533	Parsonage	30 chr	EAM 4XNDR5 ZIQSCAW4ARYZQD0EDC6B0ZWF
22-04	1540	Parsonage	30 chr	EAM 4XUDZC HJ4XUZUJGWYE74QYRWwEDRBU
22-04	1552	Parsonage	30 chr	EAM 4BNRK7 6GVEYOGSXQZ4IHQL62RNMFQS
22-04	1601	Parsonage	30 chr	EAM 4XVUOT FJI4AESHGEZZKABZN2RT40XP
22-04	1603	Parsonage	30 chr	EAM 4XVUOT FJI4AESHGEZZKABZN2RT40XP
22-04	1605	Parsonage	30 chr	EAM 4XUDZC HJ4XUZUJGWYE74QYRWwEDRBU
22-04	1608	Parsonage	30 chr	EAM 4XNDR5 ZIQSCAW4ARYZQD0EDC6B0ZWF
22-04	2116	Parsonage	30 chr	EAM VXQJUJ 3AFU6KUGfXKAUHV6235YGAV
22-04	2241	Parsonage	54 chr	EAM 4BCHYS SBECXC5LFQRJVLfCKKUFcNK5E5RUMXXUXU60E5YUMSFZLXS7

23-04	0032	Patchwork	30 chr EAM VX5C04 37ZIC0YKCCSTWRTDLHUPEDMJ
23-04	0640	Patchwork	164 chr EAM F7GG23 RKH72J7KFQROT5UTX2QCQC6PJGJGKTF6K6DPPPPITWU64G3GLUHGFQG4W6666GSXLDSDDDDD2YC3B3CZ TTTTCFXACRCCSXIGCJ3WG4CCCCFRW3UDUVV2Q4EJS4XXRRRRXZW2QIYOL5AU5ZK72WEEEEEHUS3ZUKOL
23-04	0958	Patchwork	54 chr EAM 4BQWMH UFQ02BP5ZBLAIHHWHIBHW6I7U023JKDY36QFUOP3JJJPJGXEI
23-04	1831	Patchwork	30 chr EAM VXWF4N ZMSIFCXGBN2SDDXD37U3CGSY
23-04	2003	Patchwork	30 chr EAM VX3HI4 AEUSZUAUQG35Q0GPRS26IUR
24-04	0539	Concourse	30 chr EAM VXQDAO AEUBPRDIJWAZAZJEC5KRZ5JV
24-04	0542	Concourse	30 chr EAM VXNPTE 7RBE6HTCJ2HZDYUPUMZOD1R7
24-04	0548	Concourse	30 chr EAM VXHEET DS3DZEBWNT25QHT2V6V0I2NL
24-04	0600	Concourse	30 chr EAM VXHEET DS3DZEBWNT25QHT2V6V0I2NL
24-04	0606	Concourse	30 chr EAM VXXUTV DVU5I24QHCDYQ3FZBP6CIGXD
24-04	0609	Concourse	30 chr EAM VX4MNZ XI46AF06LFGA3VXYBNW5EPBV
24-04	0612	Concourse	30 chr EAM VXX7F0 E3SD3USCICVP5A62RNPQG67K
24-04	0617	Concourse	30 chr EAM VXNPTE 7RBE6HTCJ2HZDYUPUMZOD1R7
24-04	0620	Concourse	30 chr EAM VXQDAO AEUBPRDIJWAZAZJEC5KRZ5JV
24-04	1946	Concourse	30 chr EAM VX3COI KJEWCF66ESZ2M53KHOB4CL5
24-04	2000	Concourse	30 chr EAM VX3COI KJEWCF66ESZ2M53KHOB4CL5
24-04	2029	Concourse	30 chr EAM VX3COI KJEWCF66ESZ2M53KHOB4CL5
24-04	2100	Concourse	30 chr EAM VX3COI KJEWCF66ESZ2M53KHOB4CL5
24-04	2116	Concourse	30 chr EAM VXYMNX JEX33EMRY3G3LLPT6EHQZBJ7
24-04	2129	Concourse	30 chr EAM VXYMNX JEX33EMRY3G3LLPT6EHQZBJ7
24-04	2131	Concourse	30 chr EAM VX3COI KJEWCF66ESZ2M53KHOB4CL5
24-04	2159	Concourse	30 chr EAM VXYMNX JEX33EMRY3G3LLPT6EHQZBJ7
24-04	2204	Concourse	37 chr EAM 4B2RGO LA0YWNLZ7XEWKXXJZH076CBDKF04TU
24-04	2229	Concourse	30 chr EAM VXYMNX JEX33EMRY3G3LLPT6EHQZBJ7
24-04	2259	Concourse	30 chr EAM VXYMNX JEX33EMRY3G3LLPT6EHQZBJ7
24-04	2329	Concourse	30 chr EAM VXYMNX JEX33EMRY3G3LLPT6EHQZBJ7
25-04	0139	Recourse	164 chr EAM F7E76M LCJWZ44JFODAG4CNECQXZDWGDXDHEVDDEEQASSSSCY6VUCZ6QWFZ17ZZMG5755UXVYHVJ2JZC6IU6FUF DDDDOUMTPZ220YNIOLITIPDDDDQACRACQYHD6Y2NDLJSISEUUUUXQEBV44HEEGYJJ2VYUVVVVZ7XDELDEL4
24-04	0237	Recourse	164 chr EAM F7NHW7 DPCBV6A2RR6IK3A2NAK43ZQTZYBYUJYYWFCCLBHZKW7YQPLRUCRRHOPPPWXBHTSMSY4SWBSRBR VVVHY27WMPQ3U70GUGN4444U6RQC3PJCYGTD6KUKRPPPI3WUW66BKKUGYYQFGV6666GHCU5VUV3
25-04	1432	Recourse	30 chr EAM for Betel-22 4BFXS2 B3AWVZAGCVGQ57HAEBWOW
25-04	1634	Recourse	30 chr EAM VXRWLE KGICGSY2HRAIXUOKQDLWQ3NJ
25-04	1716	Recourse	30 chr EAM VXPYZ5 AEGCFTIMHNIETDCQ725J2GZ
25-04	1746	Recourse	30 chr EAM for Moor-46 4BDVPG 3HI2YI2RK50LV0VVPALHQY22
25-04	1751	Recourse	30 chr EAM VX0ZHX IU46JVDUUQWM6W432S5PTDRQ
25-04	1809	Recourse	30 chr EAM VXJWH4 WGKEAROSENR756YYHZPTWVLX
25-04	1816	Recourse	30 chr EAM VXEY2W JXMZDY5QFJQ7P3SX4YQC07ZN
25-04	2050	Recourse	30 chr EAM VXIOL5 HLOCOEFG25ZJTOYGGZZWEBWT
25-04	2112	Recourse	30 chr EAM VXS6PR LDJAWVAGEGETWXBEJUBIEOHQ
25-04	2115	Recourse	30 chr EAM VXUKKP SY62W7AOH430EXLOXUCFOADS
25-04	2119	Recourse	30 chr EAM VXHYIR HL6DJXAVH54JWKYDH3RBCF4A
25-04	2125	Recourse	EAM popped up while in progress 6IXWQ7BH4EEKXSE2WKRUCI6
25-04	2130	Recourse	30 chr EAM VXHYIR HL6DJXAVH54JWKYDH3RBCF4A
25-04	2133	Recourse	30 chr EAM VXS6PR LDJAWVAGEGETWXBEJUBIEOHQ
25-04	2135	Recourse	30 chr EAM VXIOL5 HLOCOEFG25ZJTOYGGZZWEBWT
25-04	2204	Recourse	30 chr EAM VXIOL5 HLOCOEFG25ZJTOYGGZZWEBWT
25-04	2207	Recourse	30 chr EAM VXS6PR LDJAWVAGEGETWXBEJUBIEOHQ
25-04	2209	Recourse	30 chr EAM VXHYIR HL6DJXAVH54JWKYDH3RBCF4A
25-04	2306	Recourse	30 chr EAM VXHYIR HL6DJXAVH54JWKYDH3RBCF4A
25-04	2310	Recourse	30 chr EAM VXS6PR LDJAWVAGEGETWXBEJUBIEOHQ
25-04	2313	Recourse	30 chr EAM VXIOL5 HLOCOEFG25ZJTOYGGZZWEBWT
25-04	2329	Recourse	30 chr EAM VXHYIR HL6DJXAVH54JWKYDH3RBCF4A
25-04	2332	Recourse	30 chr EAM VXS6PR LDJAWVAGEGETWXBEJUBIEOHQ
25-04	2334	Recourse	30 chr EAM VXIOL5 HLOCOEFG25ZJTOYGGZZWEBWT
25-04	2342	Recourse	30 chr EAM VXSI4L SGHRTBM3VZVYOSRBUVIDKTG
26-04	1503	Abduction	37 chr EAM 4BX7G3 Q054PHDQW2Y3MMZYHA4KS3NA32CJEJ6
26-04	1506	Abduction	30 chr EAM VXUE6G VTVWNJN2JB4PFP33ZKBCAJTG
26-04	2352	Abduction	41 chr EAM 4B46G7 AZVK5QBGU7Y252STCPGUJCP6BE2TQBPGWV6
27-04	0004	Penwiper	30 chr EAM 4B67ZW NQFIYHGC7WL5ZH6KUN60MYBO incorrect callsign
27-04	0012	Emblazon	30 chr EAM 4B67ZW NQFIYHGC7WL5ZH6KUN60MYBO
27-04	0032	Emblazon	30 chr EAM 4X57BM 6VK3YWH4TDY7J7GUXOS4ECWR
27-04	0040	Emblazon	30 chr EAM 4XFHCR FNXXHA7WJPBCZBRFPNZALGFWD
27-04	0045	Emblazon	30 chr EAM 4XI42U V4HYR2JB7P5TPZLB3KGR3TXO
27-04	0526	Emblazon	30 chr EAM 4XVNMU MU7TCHQ35WNNWCQCR3VGNPQUJ
27-04	0530	Emblazon	30 chr EAM 4XVNMU MU7TCHQ35WNNWCQCR3VGNPQUJ
27-04	0550	Emblazon	30 chr EAM VXYE5G XOA3QWR6IP7AD5CRIFDTJVI3
27-04	0553	Emblazon	30 chr EAM VXZ6BI UESYKY5G7GXGILZGQMQR75T

27-04	0556	Emblazon	30	chr	EAM	VX5LKH	HDLNY3THR6QVFJH06UPWVRKE
27-04	0601	Emblazon	30	chr	EAM	VX5LKH	HDLNY3THR6QVFJH06UPWVRKE
27-04	0603	Emblazon	30	chr	EAM	VXZ6BI	UESYKY5G7GXGILZGQMQR75T
27-04	0606	Emblazon	30	chr	EAM	VXE5G	X0A3QWR6IP7AD5CRIFDTJVI3
27-04	0609	Emblazon	30	chr	EAM	4XVNMJ	MU7TCHQ35WNWCQCR3VGNPQUJ
27-04	1004	Emblazon	51	chr	EAM	4BZAX	EWLAUNNE5HGOPUS4SP75HNCPU05HLNW2JY7MULMLSQFWK
27-04	1626	Emblazon	30	chr	EAM	VXWTR	3YEKZLAP4SLKCLRFXLZS2LIB
27-04	1730	Emblazon	30	chr	EAM	VXWTR	3YEKZLAP4SLKCLRFXLZS2LIB
27-04	2325	Emblazon	37	chr	EAM	4BJTLA	ZUWQJ6KWFHZQLARSJPSTTWD2FCOSPON
27-04	2359	Emblazon	37	chr	EAM	4BIHHK	QWQA6CJJ4T6SD2VLWAIH6ZK4PQH ZPKH
28-04	0406	Smuggler	30	chr	EAM	VXPUU6	RL7Z4F3KVCCTY5CH3QGCBFZX
28-04	0428	Smuggler	30	chr	EAM	VXVVOV	7P53VJMKIC4FUYW3WYADBOLJ
28-04	0432	Smuggler	30	chr	EAM	VXU3XZ	L4VPH2IHKKFF7B3JLKJOQLHK
28-04	0434	Smuggler	30	chr	EAM	VXU3XZ	L4VPH2IHKKFF7B3JLKJOQLHK
28-04	0507	Smuggler	30	chr	EAM	VXNQFF	BAUYFMDKEGCFVSNFNJMBYU6
28-04	0510	Smuggler	30	chr	EAM	VXU3XZ	L4VPH2IHKKFF7B3JLKJOQLHK
28-04	1003	Smuggler	51	chr	EAM	4BJNCS	VJA2REQKFEIN5RNEM5GFE0B5RNFEMS5DZ2T62ZICNNY2S
28-04	1548	Smuggler	30	chr	EAM	for Town-64	4BDQ36 QR2H75A7EKKAJ4IVQ65QW2AU
28-04	1616	Smuggler	30	chr	EAM	VXL3ZL	5XCGIRAKR2I4YYBRNIOXN4W7
28-04	1740	Smuggler	37	chr	EAM	4B5NES	2L3G5ZGWXZTV7TWTJD7SXA072TYFF2
28-04	1747	Smuggler	30	chr	EAM	for Town-64	4B26X7 2ESA0JEQB0HZFQOU4PBTJJRV
28-04	1818	Smuggler	30	chr	EAM	VXK22J	I4AEGUXNSPYHKEDGCVUYG7I5
28-04	1821	Smuggler	30	chr	EAM	VXK22J	I4AEGUXNSPYHKEDGCVUYG7I5
28-04	1831	Smuggler	30	chr	EAM	VXK22J	I4AEGUXNSPYHKEDGCVUYG7I5
28-04	1900	Smuggler	30	chr	EAM	VXK22J	I4AEGUXNSPYHKEDGCVUYG7I5
28-04	2000	Smuggler	30	chr	EAM	VXK22J	I4AEGUXNSPYHKEDGCVUYG7I5
28-04	2356	Smuggler	42	chr	EAM	4B03BY	ZEIE6RGI3YBDDXNQWSINQW5W45SGEKHUJQNE
29-04	0004	Nicholson	42	chr	EAM	4B03BY	ZEIE6RGI3YBDDXNQWSINQW5W45SGEKHUJQNE
29-04	0008	Nicholson	30	chr	EAM	4BDALN	PVY3FMJDD3F02NJNIIIDW73J
29-04	0031	Nicholson	64	chr	EAM	4BWS3R	VIGDXMWLRHGKXLA4QAD2SKSQSC2K5I44BKFRSCB055BYGYWW
29-04	0036	Nicholson	30	chr	EAM	4BB4NK	J5UB22UR7BILBJA3PNKR4ENZ
29-04	0050	Nicholson	30	chr	EAM	VXWDUN	KNOLF0S JAGFGUXVBWJYCZGPQ
29-04	0559	Nicholson	30	chr	EAM	VXTTHR	YWLLTFSSQ5S6U34CNYLP6YJ0
29-04	0602	Nicholson	30	chr	EAM	VXTTHR	YWLLTFSSQ5S6U34CNYLP6YJ0
29-04	0644	Nicholson	30	chr	EAM	VXJM62	ZD3YTQ5VEPEXLL34ZGSUVIRO
29-04	0700	Nicholson	30	chr	EAM	VX53JV	YZTUCLCLS QABNN5LMZU5LHTX
29-04	0612	Nicholson	30	chr	EAM	VXZJJS	U2LZJ6BAAAPNIKXSWOHMSZFB
29-04	0615	Nicholson	30	chr	EAM	VX53JV	YZTUCLCLS QABNN5LMZU5LHTX
29-04	0602	Nicholson	30	chr	EAM	VXJM62	ZD3YTQ5VEPEXLL34ZGSUVIRO
29-04	2233	Nicholson	30	chr	EAM	VXS7Y2	DN6YX4DCOE445MLVR54ZBGL
30-04	0016	Oil King	52	chr	EAM	4BEWDQ	S56Q5N6CKZQPCQSKOR7GZJ2IX7HJ2HSKOB7ZJJ2YOF43AQ
30-04	0021	Oil King	41	chr	EAM	4BSWD3	FQNE36MJ46G34VSLUPFSDVTG5XC3YBHVBD
30-04	0033	Oil King	30	chr	EAM	VXT6UQ	SU6BEXN5CRPZ6VCIKYT5S3B6
30-04	0042	Oil King	30	chr	EAM	4BBLHA	7V23KK6PG33NYF6QBC7KFIHY
30-04	0055	Oil King	30	chr	EAM	VXT4GS	4QPTI2RQU4IMRG7FB5IOUD7X
30-04	0058	Oil King	30	chr	EAM	VXD XAC	K7E4770MFAFNX7X4SC2D5BKL
30-04	0116	Oil King	30	chr	EAM	VXQLB4	XDSIP4TXRIPYSBYZRZPEORJF
30-04	0336	Oil King	30	chr	EAM	VXD2EF	U7FSYE2CP2P6NHIGN4FSB065
30-04	0410	Oil King	30	chr	EAM	VXD2EF	U7FSYE2CP2P6NHIGN4FSB065
30-04	0456	Oil King	30	chr	EAM	VXWBTH	AWVBLAJYKEKGMCOU634ZWQG
30-04	0500	Oil King	30	chr	EAM	VXWBTH	AWVBLAJYKEKGMCOU634ZWQG
30-04	0503	Oil King	30	chr	EAM	VXD2EF	U7FSYE2CP2P6NHIGN4FSB065
30-04	1543	Oil King	30	chr	EAM	for Show-47	4B4EQP PSSZUK3M5U6WXZAOLSZL7WMC
30-04	1747	Oil King	30	chr	EAM	4BWDZY	EQJLCNTSFM75L0XZE5VQUM4R
30-04	1801	Oil King	54	chr	EAM	4BTDYH	WHZGNJ4KM6IPXWTVVWFTVVMQJ3JIGM5V5EF4Q3JAGKQ2YVA6
30-04	1810	Oil King	30	chr	EAM	4B23D5	T72Z43X0IGQPOVHAJ6SHI65U
30-04	1837	Oil King	54	chr	EAM	4BADDA	QSNH2056QLOEK7RE4SSIIUHOIT3ZNM02UKLIITZPNPZ2UCNT
30-04	2103	Oil King	30	chr	EAM	for Headstart	4BII06 EMFCNANVMEZVN6HNPRLNVYV
30-04	2117	Oil King	30	chr	EAM	VXIEPC	OCIM2ZB4V7W2JK4WPVOMVLZU
30-04	2128	Oil King	30	chr	EAM	for Headstart	4BMXT0 YFOXWGYD45PSXCMZER6ZAI ZB
30-04	2131	Oil King	30	chr	EAM	VXIEPC	OCIM2ZB4V7W2JK4WPVOMVLZU
30-04	2134	Oil King	30	chr	EAM	VXIEPC	OCIM2ZB4V7W2JK4WPVOMVLZU
30-04	2148	Oil King	30	chr	EAM	for Headstart	4BXSKS Q7DJB AEQOA7RB635GIDNYHQI
30-04	2151	Oil King	30	chr	EAM	VXWMMW	WA3BYVNF BK3OR7DOMMEBTFL0
30-04	2153	Oil King	30	chr	EAM	VXJDYI	R2QHEEZ3GGPG3WQ75TDW76BF
30-04	2156	Oil King	30	chr	EAM	VX4KGS	G26KSBZDXIDN67WUMKQR7ZYE
30-04	2200	Oil King	30	chr	EAM	VX4KGS	G26KSBZDXIDN67WUMKQR7ZYE
30-04	2202	Oil King	30	chr	EAM	VXJDYI	R2QHEEZ3GGPG3WQ75TDW76BF
30-04	2205	Oil King	30	chr	EAM	VXWMMW	WA3BYVNF BK3OR7DOMMEBTFL0
30-04	2207	Oil King	30	chr	EAM	VXIEPC	OCIM2ZB4V7W2JK4WPVOMVLZU

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from messages submitted by AB, Gwr, F5JBR

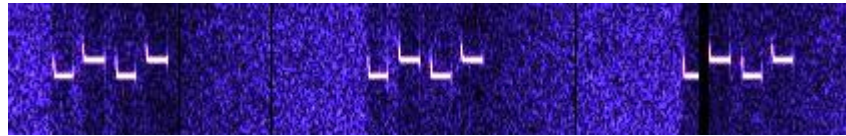
Strategic messages

6962 kHz, 04-04, 1724 UTC	XXX XXX XHOP XHOP 52113 71612 NEONOSHAL 881 3484 K
6962 kHz, 04-04, 1726 UTC	XXX XXX RDL RDL 16388 55919 PIONTSchWAB 9135 7501 K
6184 kHz, 08-04, 0835 UTC	XXX XXX JVB1 JVB1 ChYeSTNOST' 151 K
5737 kHz, 12-04, 1534 UTC	XXX XXX ODWR ODWR EF AGERUG 44839 82572 NIZOKLEN 62908 777 K
5793 kHz, 15-04, 1103 UTC	XXX XXX XHOP XHOP 28594 UDARNYJ 6695 1403 K
4983 kHz, 15-04, 1104 UTC	XXX XXX XHOP XHOP 28594 UDARNYJ 6695 1403 K
9939 kHz, 16-04, 0719 UTC	XXX XXX HAM7 HAM7 WWAA2 WWAA2 K. 70 WAA2 WWAA2 = = = HAM7 HAM7 WWAA2
4983 kHz, 19-04, 1121 UTC	XXX XXX QN8E QN8E 98560 DZhUTOGAJ 7884 3459 K
5761 kHz, 19-04, 1140 UTC	XXX XXX NZhTI NZhTI 66731 KEROSINKA 4047 8748 K
6351 kHz, 22-04, 0932 UTC	XXX XXX XHOP XHOP 82859 POWINNYJ 8079 4520 K
5293 kHz, 22-04, 0935 UTC	XXX XXX A2CA A2CA 82859 POWINNYJ 8079 4520 K
6351 kHz, 22-04, 1046 UTC	XXX XXX XHOP XHOP 36028 ZAYaCOROG 0589 7192 K
5759 kHz, 22-04, 1055 UTC	XXX XXX NZhTI 57372 WYPOLZOK 0508 4156 K
6521 kHz, 22-04, 1102 UTC	XXX XXX LA8K LA8K 36036 WEYaLKA 3263 6632 K
5017 kHz, 27-04, 1107 UTC	XXX XXX QN8E QN8E 66784 HRIP 2448 3401 K

Monolith stations

Unid channel marker. Possibly Russian military. Center freq op the marker dots is 4915.5 kHz

4915 kHz, 02-04, 0736 UTC
4915 kHz, 04-04, 0657 UTC
4915 kHz, 05-04, 1726 UTC
4915 kHz, 09-04, 0719 UTC
Not reported after April 9th



Recording: <http://www.numbersoddities.nl/4915khz-marker.mp3>

Southern District

5473 kHz, 08-04, 0841 UTC	Al'fa-45 ChYeSTNOST' 151
4940 kHz, 12-04, 0817 UTC	Tros-28 ya Baron-78, upravlenie sleduyushevo signala, 29765 BORNOK 6244 9317 (usually "vozduh, baklan" before the message)
5448 kHz, 19-04, 1139 UTC	JVB1 85591 VAL'CYeVANIYe 9517 4191
5473 kHz, 19-04, 1243 UTC	Al'fa-45 01200 VOINOKAN 7910 1715
6610.5 kHz, 19-04, 1308 UTC	Zebra-37 kontrol signal for Kadmij-94, Fugac-47 : 330 12 10 33 33 947 za 02 nd . Zebra-37's network is a southern district network and has in it a Storozh unit and a Penza unit, Squeaky Wheel has one of each also Zebra-37 net //6610.5 kHz Zebra-37 net //5313 kHz
5313 kHz, 21-04, 1343 UTC	JVB1 YaLOHOR 109
6610.5 kHz, 21-04, 1343 UTC	Al'fa-45 YaLOHOR 109
5448 kHz, 22-04, 0845 UTC	JVB1 54233 VLASTYeLIN 2186 4084
5473 kHz, 22-04, 0847 UTC	Al'fa-45 61590 KARMINNYJ 1927 9625
5448 kHz, 22-04, 0939 UTC	JVB1 48115 ZVONODONG 8962 8922
5473 kHz, 22-04, 0847 UTC	Al'fa-45 66677 KORTOKORD 9265 4569
5448 kHz, 22-04, 1502 UTC	JVB1 ChYeSTNOST' 151 SBYTOSYeV 112
5473 kHz, 22-04, 1057 UTC	Al'fa-45 ChYeSTNOST' 151 SBYTOSYeV 112
5448 kHz, 26-04, 0840 UTC	Al'fa-45 54579 UDYeLOZAIR 7880 9554
5473 kHz, 26-04, 0842 UTC	N'ZhJ 74076 GOLIAF 4772 2392
5473 kHz, 26-04, 1237 UTC	Dubler-68 Stazher-29 Leggina-38 Stupa-32 Utes-94 Dzhigit-46 Storozh-62 Kurgan-40
5372 kHz, 26-04, 1255 UTC	
5473 kHz, 27-04, 0900 UTC	

Russian military voice transmissions

Russian Military voice traffic

Several 10-counts before every message. No transmissions during the weekend.

5045 kHz, 01-04, 1411 UTC Four 10-counts, dayu eshchyo dlya nastrojki (still transmitting a signal for you to tune to) followed by another 10-count. Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 8693. 16 chasov 15 minut konec svyazi

5045 kHz, 02-04, 1410 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 4832. 16 chasov 14 minut konec svyazi

5045 kHz, 05-04, 1402 UTC 1402-1405 UTC and 1408-1411 UTC: 10-counts. At 1412 UTC: Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 1523. 16 chasov 15 minut konec svyazi

5045 kHz, 07-04, 1411 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 6693. 16 chasov 14 minut konec svyazi

5045 kHz, 08-04, 1412 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 4418. 16 chasov 15 minut konec svyazi

April 2nd: no transmission

5045 kHz, 12-04, 1412 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 2879. 16 chasov 15 minut konec svyazi

5045 kHz, 13-04, 1412 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 7287. 16 chasov 15 minut konec svyazi

5045 kHz, 14-04, 1411 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 5543. 16 chasov 14 minut konec svyazi

5045 kHz, 15-04, 1412 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 8573. 16 chasov 15 minut konec svyazi

April 16th: no transmission

5045 kHz, 19-04, 1411 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 8752. 16 chasov 15 minut konec svyazi

5045 kHz, 20-04, 1415 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 1645. 16 chasov 15 minut konec svyazi

5045 kHz, 21-04, 1411 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 9847. 16 chasov 15 minut konec svyazi

5045 kHz, 22-04, 1412 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 3465. 16 chasov 15 minut konec svyazi

April 23rd: no transmission

5045 kHz, 26-04, 1412 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 7582. 16 chasov 15 minut konec svyazi

5045 kHz, 27-04, 1415 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 5347. 16 chasov 15 minut konec svyazi

5045 kHz, 28-04, 1411 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 5146. 16 chasov 15 minut konec svyazi

5045 kHz, 29-04, 1412 UTC Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 1549. 16 chasov 15 minut konec svyazi

6830 kHz, 13-04, 1325 UTC 1-10 count in Russian, then A-Z in NATO phonetics, then Russian 1-10 count, priyom

6480 kHz, 19-04, 1018 UTC

Brik-57 for Druzhba-19 and Kubok-21

960 22 551 573 548 460 573 810 747 305

747 251 44 548 152 152 109 810 251 573

251 748 189 460 242 43 533 551 189 748

189 44 977 573 152 109

tochko *clears throat* ya Brik-67 kak shyshite prinimaete?

5460 kHz, 20-04, 1530 UTC

Brik-57 to Druzhba-19

460 960 548 728 342 44 977 748 189 748

948 920 189 728 92 920 342 728 847 747

834 679 22 43 442 533 834 851 22 251

412 573 368 460 747 647 152 573 92 573

251 573 251 748 149 460 189 412 573 847

189 460 847 189 728 251 847 189 872 251

847 647 368 342 412 189 44 189 460 748

573 880 573 551 747 44 977 152 109 810

847 920 189 152 412 573 460 920 548 647

368 548 152 189 251 748 920 548 44 189

847 920 189 152 189 747 847 189 551 747

152 189

Russian Navy voice traffic

6163 kHz, 22-12, 1145 UTC. Black Sea Fleet

operational call signs consisting of numbers - 11th & 91st

informacij 120 925

4990 kHz, 22-12, 1202 UTC. Caspian Fleet

Zazor (Astrahan naval base) network checks and positional information

Litsej and Prikolod amongst other callsigns

1 0127 319 10 15th na 16th

1 0127 317 10 25th na 15th

5461 kHz, 26-04. Large Black Sea Fleet exercise using operational callsigns.

CENTRAL: 101st = Topol' (Novorossiysk naval base)

Aux/relay: 11th, 12th, 13th, 14th, 15th, 16th, 18th, 19th, 51st, 52nd

Vessels: 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th

Group 1 (2698/2699 in this case) is the original command issued by CENTRAL at the start of the voyage, group 2 is the MSK (Moscow Standard Time) timestamp. The following groups are individual vessel workings of the original command

Sample recording <https://priyom.org/media/257216/topol-net-5461usb-20210426-daytime-bygwraspe.ogg>

0912 UTC: 18th to 101st: signal 2699 - 4430 & 8 / 3310 & 9 / 211 / 9 & ya 18th
0913 UTC: 15th to 101st: 2699 / 4416 & 2 / 3300 & 8 / 205 / 9 ya 15th
0917 UTC: 20th to 15th for 101st: 2699 / 1200 / 4403 & 0 / 3300 & 3 / 1050 / 10 3
0918 UTC: 25th to 15th for 101st: 2699 na 1200 / 4439 & 4 / 3454 & 2 / 240 / 8
0938 UTC: 23rd to 101st: signal 2699 / 1235 / 4414 & 2 / 032590 / 201 / 770th /
0942 UTC: 24th to 101st: sledite signal 2699 / 1240 / 4413 / 3259 / 204 / 09 / BTR nomer 1 sleduyu, ya 24th
0945 UTC: 20th to 15th for 101st: 1245 / 4065 / 1 ya 20th
0948 UTC: 27th to 15th for 101st: 2699 / 1245 / 4437 / 3446 / 240 / 10 ya 27th
0952 UTC: 21st to 101st: 4428 & 3 / 3239 & 6 / 103 / 9 ya 21st
0953 UTC: 19th to 101st: na 1240 - 44103 / 32588 / 212 / 8 vpit polovinoj / sledu BTR nomer 2, sleduyu vopros
1047 UTC: 26th to 101st: signal 2698 accepted
1053 UTC: 26th to 101st: signal 2699 / 1350 / 4337 / 3314 / 206 / 6 ya 26th
1106 UTC: 25th to 12th: 2699 na 1400 / 4433 & 5 / 34360 / 240 / 8 ya 25th
1107 UTC: 27th to 12th: 2699 / 1400 / 4431 & 3 / 3430 & 7 / 238 / 10
1245 UTC: 22nd to 16th: 2699 / 4358 & 9 / 3244 & 0 / 1035 / 10 kak prinyali?
1300 UTC: 26th to 12th: signal 2699 / 1600 / 4424 / 3308 / 203 / 6
1306 UTC: 13th to 12th: signal 2699 za 25th & 27th: 25th 1600 / 44259 / 34185 / 235 / 8, 27th 4421 / 3408 / 239 / 10
1309 UTC: 13th to 16th: 44393 / 33238
1315 UTC: 13th to 25th: BTR1 2200 segonya voprositelnyj
1317 UTC: 27th to 13th: 2200 priyom
1332 UTC: 22nd to 12th: 2699 / 4352 & 7 / 3232 & 5 / 234 / 10 kak prinyali ya 22nd
1334 UTC: 15th to 12th: 44260 / 32456
1355 UTC: 13th to 16th: 44389 / 33246 / 3
1356 UTC: 13th to 16th: signal 2699 from 25th, 26th & 27th = 25th: 1700 / 44220 / 34090 / 250 / 8; 26th 1700 / 4420 / 30304 / 208 / 5; 27th 1700 / 4417 & 8 / 3357 & 2 / 250
1423 UTC: 15th to 11th: 4529
1527 UTC: 25th to 17th: 4065 / 2 / 1725
1442 UTC: 27th to 16th: 2699 / 1800 / 4413 / 3341 / 250 / 410
1442 UTC: 26th to 16th: 2699 / 1800 / 4414 / 3259 / 212 / 5 ya 26th
1445 UTC: 11th to 15th: 2699 / 30 minut, ya 11th, kak prinyal?
1446 UTC: 16th to 27th: relay to me signal 2699 at 1800 from 25th
1447 UTC: 27th receives from 25th to then relay to 16th
1448 UTC: 27th to 16th from 25th: 2699 / 1800 / 44194 33597 / 250 / 8
1530 UTC: 22nd to 12th: 43415 / 32108 / 234 / 10
1530 UTC: 15th to 11th: signal 6299 44347 / 33174 / 306 / 14
1531 UTC: 17th to 16th: signal 2699 / 1900 / 44345 / 33103 / 206 / 9
1534 UTC: 16th to 17th: sledite signal 2699 na 1900 kak prinyali?
1537 UTC: 26th to 17th: 2699 / 4416 / 2259 / 205 / 5
1537 UTC: 27th to 16th: 2699 / 1900 / 44088 / 33274 / 250 / 10
1537 UTC: 16th to 27th: relay to me signal 2699 at 1900 from 25th
1537 UTC: 25th to 16th: 2699 na 1900 44172 33512 / 250 / 8
1541 UTC: 25th to 12th: 2699 / 1900 / 4332 / 3153 / 235 / 8
1551 UTC: 22nd to 23rd: davaj poprobujte eshche raz signal 2699
1553 UTC: 16th to 17th: proshu podajte 2698 na 1900
1554 UTC: 17th to 16th: 2699 / 44281 / 33090 / 201 / 9
1558 UTC: unintelligible callsign (not associated number callsign) told "uhodite kanal", get out of the channel, lol
1600 UTC: 15th to 11th: signal 2699 / 44283 / 33089 / 206 / 139

1611 UTC: 21st to 19th: 44038 / 32153 / 217 / 135 / perehod na DSG
1615 UTC: 21st to 12th: relay my information to 101st
1630 UTC: 15th to 11th: signal 2699 / 4422 / 33045 / 206 / 143

5461 kHz, 27-04. Large Black Sea Fleet exercise using operational callsigns.

0833 UTC: 16th to 19th: 1133 / 44022 / 133067
0837 UTC: 14th to 19th: signal 2699 / 2400
0844 UTC: 15th to several: signal 2400 govorit kazhdyj 15 minut
0845 UTC: 11th to 15th: signal 26991900 / 43300 / 30492 / 245 / 7 / 5420
0846 UTC: 19th to 14th: 2699 / 2400 / 44155 / 33456 / 90 / 9
0850 UTC: 16th to 25th: 2699 / 1200 / 2400 kak prinyal
0851 UTC: 27th to 16th: 2699 / 1200 / 4418 / 3325 / 330 / 6 / 5420
0852 UTC: 24th to 12th: 1200 / 5420 / 42485 / 30020 / 330 / 12
0854 UTC: 26th to 16th: 2699 / na 1200 / 4416 / 3302 / 63 / 5 / 5420 / ya 26th
0854 UTC: 24th to 12th: na 1200 2699 44485 / 30020 / 330 / 12 / 5420 ya 24th
0857 UTC: 12th to 22nd: 2699 / 1200 / 42407 / 30487 / 140 / 5
0901 UTC: 12th to 20th: signal 3774 / 43284 / 30184 / 96 / 6 / 5th rajon / 1530
0948 UTC: 26th to 16th: 2699 1300 4418 3305 239 7 / 5420 ya 26th
0948 UTC: 27th to 16th: 2699 / 1300 / 44213 / 33229 / 150 / 6 / 5420
0954 UTC: 23rd to 14th: signal 1930 / 43364 / 031091 / 245 / 9 perevoj
1035 UTC: 12th to several: 20th, 21st, 22nd, 24th 2400 na 45 malenkij, ya 12th
1052 UTC: 21st to 12th: voprositlenyj signal 2699 na 1200 ot 24th
1055 UTC: 13th to 16th: signal 2699 na 1400 / 44103 / 32453 / 245 / 10 / 5420
1121 UTC: 16th to 25th: shatka 4423, dobro 4318, kosh 140, Ural rajon idet na [unintelligible]
1130 UTC: 16th to 13th: signal 2699 na 1400 4351 / 32592 / 56 / 7
1134 UTC: 16th to 25th: ispolya 3537
1135 UTC: 14th to several: signal 3577 kak prinyal
1137 UTC: 27th to 14th: prinyal 7920 na 1500
1138 UTC: 12th to several: signal 7921 na 1500 kak prinyal
1140 UTC: 12th to 24th: 7921 / 1500 - 24th and 22nd both give receipt
1159 UTC: 12th to 20th: 5666 / 1530 prinyal signal 5420
1200 UTC: 12th to 24th: signal 5666 / 1530 kak ponyal
1315 UTC: 12th to several: signal 3577 [see note *** below Black Sea Fleet logs]
1224 UTC: 12th to several: ot 101st signal 5666 / 1545 rabotuyu
1259 UTC: 15th to 11th: 2699 / 103351 / 32382 / 30284 / 47 / 5420
1320 UTC: 51st to 53rd: signal 12 na zavtra gotovno izpolnenie 0700 nachala, i k polnenie nachala dvizheniya - signal 12 for tomorrow is ready to execute at start time 0700, to complete the start of traffic
1325 UTC: 16th to several: signal ispolnyaet ezhechasnaya - signal executed hourly
1329 UTC: 16th to several: every 45 minutes report on signal 24 2699
1338 UTC: 25th to 16th: 2699 na 1700 44236 33184 trejs 5420
1339 UTC: 27th to 16th: 2699 / 1700 / 4416 / 3326 / 325 / 6 polovinoj / 5420
1350 UTC: 11th to 13th: / 2699 / 1700 / 4406 / 3229 / 90 / 14 kak ponyal
1355 UTC: 12th to 20th, 21st, 22nd & 24th: signal 2698 / 2400 ya 12th
1355 UTC: 20th to 12th: 2699 / 1700 / 43318 / 30569 / 245 / 7 / 5420 ya 20th
1356 UTC: 22nd to 12th: 2699 / 1700 / 42348 / 30548 / 320 / 6 / 5420 ya 22nd
1357 UTC: 20th to 12th: voprosovyj 1700, 101st rajon otkryvaetsov 2000
1400 UTC: 21st to 12th: 2699 / 1700 / 42438 / 31236 / 230 / 8 / 5420
1401 UTC: 24th to 12th: 2698 na 1700 / 4252 / 3041 / 145 / 7 / 5420
1402 UTC: 12th to 20th, 21st, 22nd & 24th: sleduyushchaya signal 2698 / 2400 podot 40 malenko
1434 UTC: 16th to 20, 21st, 22nd, 24th, 25th & 27th: ispoya signal 2400 2699 na 1800 ya 16th – use signal 2400 2699 at time 1800
1439 UTC: 27th to 16th: signal 2699 / 4422 / 3322 / 330 / 6 polovinoj - 5420
1444 UTC: 22nd to 12th: 2400 / 5420 2699 / 1700 / [AT3004 QRM too heavy]
1500 UTC: 15th to 11th: 2699 1800 4327 zapitnaya 8 / 3227 zapitnaya 5 / 218 / 5 & 7
12th checks how 23rd hears 101st and reports back to 101st who cannot hear 23rd that 23rd cannot hear 101st either
1547 UTC: 14th to 23rd: 44053 / 31050 / 156 / 6

*** as i heard this i was looking in previous recordings of mine and read "signal3577" in a recording's title exactly as 12th gave this signal. weird. <https://priyom.org/media/252503/blackseafleet-5461usb-20201023-0908z-signal3577-bygwraste.ogg>

4990 kHz, 26-04, 1312 UTC. Caspian Flotilla (Zazor net)

SynteZ, Frak, Drap, net checking

Russian Air Force voice traffic

6685 kHz, 21-04, 1332 UTC 76538 to Magnetron: 4 chasov poletov bort poryadok tridvojki 27 - 4 hours into flight, 27 tons of fuel

6685 kHz, 21-04, 1338 UTC 75917 to Davlenie: not answered

6685 kHz, 12-03, 1355 UTC 75756 to Davlenie: not answered

6685 kHz, 22-04, 0820 UTC 86908 for Klarnetist, no answer, talks to Magnetron instead, gives information to relay to Korsar, 1045 landing

6685 kHz, 22-04, 0822 UTC inaudible for Korsar

6685 kHz, 22-04, 0913 UTC 76767 to Davlenie: zapisite informacij 383776 00600

6685 kHz, 22-04, 1036 UTC 76767 to Davlenie: zapisite informacij 136975 00442 274713

6685 kHz, 22-04, 0900 UTC 76767 to Davlenie: zapisite informacij 136975 00442 274713
28150 to Lad'ya: 3400KG fuel

6685 kHz, 22-04, 1510 UTC 76767 to Davlenie: zapisite informacij 136975 00442 274713
93952 to Davlenie: vlot Vulkan 17 chasov 50 minut, tri dvoyki 46, sleduyu Kannadnyy - bort poryadok. (Approaching Vulkan at time 1750, 46 tonnes of fuel, next port Kannadny - order on board.)

6685 kHz, 22-04, 1511 UTC 76713 to Davlenie: 1755 vlot Karakal, sleduyu Kannadnyy, bort poryadok. (Approaching Karakal, next port Kannadny - order on board.)

6685 kHz, 26-04, 1009 UTC 78831 to Davlenie - sleduyu (next port) Pulkovo

6685 kHz, 26-04, 1334 UTC 82013 for Korsar, no answer

6685 kHz, 27-04, 1315 UTC 76773 to Davlenie: 1 chas poleta bort poryadok – not sure why 76773 bothered sending this information, simply telling “in the air one hour” with no further information

6685 kHz, 27-04, 1330 UTC 76733 to Davlenie: posadka rnyj

Russian Air Defense voice traffic

5152 kHz, 03-04, 0650 UTC, LSB 10-counts in Russian. Female operator

5152 kHz, 03-04, 0650 UTC, USB 10-counts in Russian. Male and female operators followed by tracking data

9066 kHz, 08-04, 0815 UTC, USB Reading bearing/track data

5052 kHz, 09-04, 1400 UTC, LSB Bearings/tracking data. Male and female operators

Russian military morse transmissions

Russian military CW traffic

6962 kHz, 04-04, 1743 UTC RDL RDL RDL 62274 30473 62274 30473 62274 30473 K

6962 kHz, 04-04, 1854 UTC RDL RDL RDL 84710 14477 84710 14477 84710 14477 K

8130 kHz, 08-04, 0925 UTC RDL RDL RDL 11772 55439 11772 55439 11772 55439 K

8130 kHz, 08-04, 0927 UTC RDL RDL RDL 90108 40311 90108 40311 90108 40311 K

12162 kHz, 28-04, 1720 UTC

Y78U DE 3EC9 K

Y78U DE 3EC9 K

RK

YRXC DE 3EC9 K

RK

YZZK DE 3EC9 K

GNNJ DE 3EC9 K

RK

7RI9 DE 3EC9 K
7RI9 DE 3EC9 K
7RI9 DE 3EC9 K
ZHIY DE 3EC9 K
RK
VYFM DE 3EC9 K
STF3 DE 3EC9 K
RK
YZZK DE 3EC9 K
YZZK DE 3EC9 K
7RI9 DE 3EC9 K
7RI9 DE 3EC9 K
RK

Russian navy CW traffic

11000 kHz, 08-04, 0958 UTC

RIW 575 45 8 2145 575 = RAA RAA =
84658 49061 38692 25480 91501 33774 42234 24031 16387 06076
76994 86915 72174 79984 16017 50097 89262 79715 61237 52264
47566 31992 53730 99044 15097 80133 93742 32340 93088 69031
93763 05468 50155 76853 87342 80889 98398 13278 16254 30662
86604 01640 94297 08043 =
RPT AL AR RIW K

Russian navy T-600 traffic

6841 kHz, 15-04, 1626 UTC, T-600

Sync 1EB41EB2952
Session key: 31 23 43 46 2A 51 2C 23 31 16 52 58 15 4C 0B 13 38 26 0E 61 38 64 62 4A 34 1C
0B 4C 62 38 4C 1A 0B 13 38 4A 19 15 64 1A 07 2C
2A 31 51 68 16 13 43 31 32 1A 25 62 4A 67 16 07
25 26 52 62 25 23 70 25 62 54 31 2A 16 31 51 07
07 4C 52 52 26 19 19 62 16 0B 07 61 25 61 2A 31
58 2C 1C 04 54 46 13 68 07 61 34 70 1C 70 0E 2A
16 68 2C 0D 26 34 2C 11 14 2A 2A 16 70 15 54 23
32 0E 07 78 0E 68 25 1C 4A 0D 19 32 13 4A 52 54
34 15 4A 34 0E 0E 1A 70 34 27 79 <EOM><EOM><EOM>

6841 kHz, 15-04, 1627 UTC, T-600

Sync 1EB41EB2952
Session key: 13 52 07 52 16 51 1C 38 25 25 34 07 31 58 2C 4A 43 0D 25 13 08 2C 70 1C 54
32 0E 2A 68 38 0B 0D 1A 32 15 0D 34 52 15 07 38
34 62 16 54 1C 64 07 07 13 0D 1C 1C 38 0E 54 52
32 46 51 25 4C 46 38 32 64 64 0E 68 23 4A 68 64
0E 19 64 25 68 38 2A 34 70 46 4A 16 51 62 34 38
64 26 58 70 52 58 32 0E 1A 32 4C 61 0B 52 2C 32
46 34 19 38 68 0B 52 07 54 1A 23 70 31 1C 4C 26
26 38 16 3F 58 4A 1C 23 51 0E 16 4A 32 1C 43 61
64 32 2C 4C 07 0E 51 32 38 1C 0D 1A <EOM><EOM><EOM>

6841 kHz, 15-04, 1635 UTC, T-600

Sync 1EB41EB2952
Session key: 31 25 0B 0B 51 4A 51 16 1C 61 4C 1A 31 25 16 16 62 2A 4A 64 70 70 51 38 52
07 4A 70 23 1A 25 0B 16 13 0B 1C 0E 25 58 0E 52
07 2C 46 0E 23 0D 34 4C 07 25 34 54 51 26 38 32
07 54 70 2C 0E 23 4A 52 43 68 07 2C 15 1C 19 62
61 07 19 62 07 15 51 62 23 46 15 16 61 46 0D 70
23 15 0E 1B 23 46 26 2A 15 4A 23 43 1C 26 64 64
13 43 46 70 31 38 13 0B 2A 32 68 23 16 46 4A 58
68 34 43 0E 54 0D 2C 4A 15 58 51 68 26 1A 07 16
68 15 0B 4A 19 62 52 0B 51 19 4C 1C 46 32 46 <EOM>
<EOM><EOM>

6841 kHz, 15-04, 1635 UTC, T-600

Sync 9EB41EA2952

Session key: 1A 4C 54 0B 32 1A 4C 43 26 4C 23 0B 64 70 16 0D 52 15 31 23 0D 46 46 70 68
23 0D 58 62 68 46 51 52 70 38 62 70 2C 61 26 13
23 0D 64 4A 52 13 1A 0D 38 70 46 58 2A 25 64 0E
51 51 0D 19 39 0D 2A 1C 46 0D 54 26 52 0D 13 23
54 52 70 62 1A 34 19 32 2C 23 62 1C 52 15 0D 58
16 07 51 23 1C 0B 23 2A 25 16 2A 68 64 31 52 0E
61 13 25 26 1C 34 0B 1A 26 12 46 13 4A 46 15 16
70 38 58 07 31 38 61 43 68 32 52 32 61 58 1A 70
2A 44 0B 58 0D 34 16 38 26 34 26 51 <EOM><EOM><EOM>

6841 kHz, 15-04, 1635 UTC, T-600

Sync 1EB41EB2952

Session key: 61 25 64 31 38 38 2C 68 23 62 54 23 51 13 4A 25 43 4D 58 13 4A 3A 64 64 0E
0E 64 0E 70 0B 16 61 07 62 2C 54 15 38 0E 15 13
07 0D 34 25 1A 2C 32 2C 13 38 61 0E 58 2A 02 51
15 68 51 26 0D 62 19 46 23 54 4C 64 64 4A 25 43
32 61 1C 1C 68 68 2C 64 15 16 38 2C 61 4C 07 16
32 0D 0D 46 4C 13 43 64 4A 1C 2A 15 58 23 25 23
32 19 38 4A 07 25 70 0E 64 26 0D 6A 23 23 34 15
0B 07 0D 26 15 15 1A 25 51 32 2A 51 07 70 13 0B
31 0B 43 38 23 4C 51 4C 16 13 26 46 <EOM><EOM><EOM>

6841 kHz, 15-04, 1636 UTC, T-600

Sync 1EB41EB2952

Session key: 62 68 26 46 4A 26 31 61 64 1A 61 2A 0E 25 0B 19 51 52 4A 4A 1C 58 46 1C 0D
68 43 19 68 62 2C 62 1A 38 34 62 31 2A 46 25 0E
34 19 0B 16 2C 34 70 13 26 51 1A 43 38 68 23 0B
58 61 1C 64 51 13 4C 70 4C 26 16 2C 0D 26 16 32
38 0E 13 46 26 62 62 32 34 0E 0B 70 1A 26 19 0D
25 07 68 07 68 13 16 15 1A 25 54 0B 0B 46 19 70
38 43 38 16 4C 15 26 16 23 13 07 16 58 61 58 54
0B 4C 0D 16 1A 13 23 34 25 16 25 51 31 16 0B 1A
61 70 64 1A 4A 51 4A 16 15 0D 46 13 <EOM><EOM><EOM>

6841 kHz, 15-04, 1640 UTC, T-600

Sync 1EB41EB2952

Session key: 38 4A 0B 23 26 1C 61 25 4A 38 4A 2C 15 15 35 38 2E 51 1C 25 4A 61 52 68 4C
34 54 15 70 2A 15 51 38 61 2A 2C 54 62 23 70 13
1A 43 43 26 0E 32 4C 70 51 2A 61 62 16 64 58 54
26 46 51 26 70 32 4E 13 34 16 32 64 1C 70 2A 62
26 4A 26 51 0D 52 4A 2A 68 4C 2A 38 61 58 0D 13
19 68 4C 15 32 58 43 64 13 2A 07 25 31 0E 46 32
52 4A 26 23 1C 70 07 0D 0D 68 62 2C 16 25 2C 34
58 23 64 61 0B 43 70 25 2A 46 31 0B 15 64 4C 52
54 0B 70 2C 54 19 0D 4C 16 32 26 70 31 0E 61 2A
58 4A 34 07 15 23 0B 64 1A 25 70 07 4A 0D 61 0E
4A 32 16 58 38 13 61 68 07 1B 79 73 58 52 54 31
43 0E 68 52 31 1A 38 58 0E 2C 19 43 5D 58 70 62
1A 26 70 23 25 38 16 15 26 64 64 07 31 46 70 38
38 38 31 07 31 1C 4A 13 2C 70 13 70 25 61 22 62
46 1A 38 34 34 <EOM><EOM><EOM>

LOGS SECTION

The logs are sorted on Designator (station), date and time (UTC)

Code	Freq	Date	UTC	Day	Details	Mode	Contributor
---	4915	2-4	0736	Fri	Unid channel marker	USB	(AB-FIN)
---	4915	4-4	0657	Sun	Unid channel marker	USB	(AB-FIN)
---	4735	5-4	0701	Mon	VVVVV PROMRÖ = 0 5 0 4 = 1000 0570 0610 0750 1130 ... 0800 0510 0560 0690 1040 = AR	CW	(AB-HNG)
---	4915	5-4	1627	Mon	Unid channel marker	USB	(AB-FIN)
---	4735	7-4	0700	Wed	VVV VVV PROMRÖ = 07 04 = 1000 0570 0610 0750 1120 ... 0800 0510 0550 0680 1030 = AR	CW	(AB-HNG)
---	7055	8-4	1605	Thu	Russian-Ukrainian radio war. Anti Russia propaganda. Excerpt of radio programs	LSB	(AB)
---	4915	9-4	0719	Fri	Unid channel marker	USB	(AB-RUS)
---	4735	11-4	0700	Sun	VVVVV PROMRÖ = 11 04 = 1000 0560 0610 0740 1110 ... 0800 0500 0540 0670 1010 = AR	CW	(AB-ROU)
---	4735	12-4	0701	Mon	VVVVV PROMRÖ = 1204 = 1000 0560 0610 0740 1100 ... 0800 0500 0540 0670 1010 = AR	CW	(AB-ROU)
---	4940	12-4	0817	Mon	Tros-28 ya Baron-78, upravljenje sleduyushevo signala, 29765 BORNOK 6244 9317 (usually "vozduh, baklanö before the message)	USB	(Gwr)
---	4735	14-4	0700	Wed	VVVVV PROMRÖ = 14 04 = 1000 0560 0600 0730 1100 ... 0800 0500 0540 0660 1000 = AR	CW	(AB-ROU)
---	4735	16-4	0700	Fri	VVVVV PROMRÖ = 16 04 = 1000 0550 0600 0730 1080 ... 0800 0500 0540 0660 1000 = AR	CW	(AB-ROU)
---	4735	18-4	0700	Sun	VVVVV PROMRÖ = 1804 = 1000 0560 0600 0730 1080 ... 0800 0500 0530 0650 0980 = AR	CW	(AB-HNG)
---	6480	19-4	1018	Mon	Brik-57 for Druzhba-19 and Kubok-21 960 22 551 573 548 460 573 810 747 305 ... tochko *clears throat* ya Brik-67 kak shyshite prinimaete?	USB	(Gwr)
---	6610.5	19-4	1308	Mon	Zebra-37 kontrol signal for Kadmij-94, Fugac-47 330 12 10 33 33 947 za 02nd	USB	(Gwr)
---	5460	20-4	1530	Tue	Brik-57 to Druzhba-19 460 960 548 728 342 44 977 748 189 748 ...	USB	(Gwr)
---	4735	21-4	0700	Wed	VVVVV PROMRÖ = 21 04 = 1000 0540 0580 0710 1070 ... 0800 0480 0520 0640 0950 = AR	CW	(AB-ROU)
---	5313	21-4	1343	Wed	Zebra-37 net //6610.5 kHz	USB	(Gwr)
---	6610.5	21-4	1343	Wed	Zebra-37 net //5313 kHz	USB	(Gwr)
---	4735	22-4	0700	Thu	VVVVV PROMRÖ = 22 04 = 1000 0540 0580 0710 1070 ... 0800 0480 0520 0640 0960 = AR	CW	(AB-ROU)
---	4735	23-4	0700	Fri	VVVVV PROMRÖ = 23 04 = 1000 0540 0580 0710 1070 ... 0800 0480 0520 0640 0960 = AR	CW	(AB-ROU)
---	5372	26-4	1255	Mon	N'ZhJ 74076 GOLIAF 4772 2392	USB	(Gwr)
---	4735	28-4	0700	Wed	VVVVV PROMRÖ = 2804 = 1000 0550 0590 0720 1080 ... 0800 0490 0530 0650 0970 = AR	CW	(AB-ROU)
---	4735	29-4	0700	Thu	VVVVV PROMRÖ = 2904 = 1000 0560 0590 0720 1080 ... 0800 0500 0530 0650 0970 = AR	CW	(AB-GRC)
---	7055	30-4	1735	Fri	Ukrainian-Russian radio war. Political ranting	LSB	(AB)
CW	12211	26-4	0500	Mon	952 738 738 52 52 = = 98693 14282 80291 ... 67591 57520 75503 = = 738 738 52 52 0000	M14	(PY)
CW	10243	26-4	0520	Mon	952 738 738 52 52 = = 98693 14282 80291 ... 67591 57520 75503 = = 738 738 52 52 0000	M14	(PY)
DPRK	13415	1-4	0708	Thu	North Korean diplo i.p.	DPRK-600 LSB	(AB)
DPRK	11045	2-4	0706	Fri	North Korean diplo i.p.	DPRK-600 LSB	(AB)
DPRK	11050	2-4	0706	Fri	North Korean diplo i.p.	DPRK-600 LSB	(AB)
DPRK	12205	2-4	1311	Fri	North Korean diplo i.p.	DPRK-600 LSB	(AB)
DPRK	11045	2-4	1312	Fri	North Korean diplo i.p.	DPRK-600 LSB	(AB)
DPRK	14980	3-4	1340	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	15860	6-4	0600	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11045	6-4	0711	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	11050	6-4	0711	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	17320	8-4	1426	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	14444	25-4	0831	Sun	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12203	29-4	0839	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)

DPRK	15888	29-4	0908	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	15645	1-4	0500	Thu	951 248 60 94072 89986 34523 ... 75801 37922 44123 248 60 00000	USB	(AB-RUS)
E06	17470	1-4	0600	Thu	951 248 60 94072 89986 34523 ... 75801 37922 44123 248 60 00000	USB	(AB-RUS)
E06	15645	2-4	0500	Fri	951 248 60 94072 89986 34523 ... 75801 37922 44123 248 60 00000	USB	(AB-RUS)
E06	17470	2-4	0600	Fri	951 248 60 94072 89986 34523 ... 75801 37922 44123 248 60 00000	USB	(AB-RUS)
E06	13392	8-4	0400	Thu	361 702 31 12355 63533 61579 ... 53913 15903 36659 702 31 00000	USB	(AB-J)
E06	13392	9-4	0400	Fri	361 702 31 12355 63533 61579 ... 53913 15903 36659 702 31 00000	USB	(AB-J)
E06	17470	15-4	0600	Thu	951 407 62 73704 05956 11831 ... 10089 00556 54836 407 62 00000	USB	(AB-RUS/HFD-RUS)
E06	15645	16-4	0500	Fri	951 407 62 73704 05956 11831 ... 10089 00556 54836 407 62 00000	USB	(AB-RUS/HFD-RUS)
E06	17470	16-4	0600	Fri	951 407 62 73704 05956 11831 ... 10089 00556 54836 407 62 00000	USB	(AB-RUS)
E06	14456	26-4	0310	Mon	537 192 40 54458 ...	USB	(HFD-RUS)
E06	13393	29-4	0400	Thu	361 590 34 13006 32722 94632 ... 00647 42466 24656 590 34 00000	USB	(AB-RUS)
E06	13392	30-4	0400	Fri	361 590 34 13006 32722 94632 ... 00647 42466 24656 590 34 00000	USB	(AB-RUS/HFD-RUS)
E07	16331	1-4	1410	Thu	893 893 893 1 346 35 346 35 04002 82300 93998 ... 75311 73798 66781 000 000	USB	(AB-KWT/MPJ/HFD)
E07	15831	1-4	1430	Thu	893 893 893 1 346 35 346 35 04002 82300 93998 ... 75311 73798 66781 000 000	USB	(AB-KWT/MPJ/HFD)
E07	14831	1-4	1450	Thu	893 893 893 1 346 35 346 35 04002 82300 93998 ... 75311 73798 66781 000 000	USB	(AB-KWT/MPJ/HFD)
E07	17453	2-4	0700	Fri	446 446 446 000	USB	(AB-KWT/HFD-RUS)
E07	18453	2-4	0720	Fri	446 446 446 000	USB	(AB-KWT/HFD-RUS)
E07	12176	3-4	1300	Sat	152 152 152 000	USB	(AB/GHn/MPJ/HFD)
E07	11576	3-4	1320	Sat	152 152 152 000	USB	(AB/MPJ/HFD)
E07	16331	3-4	1410	Sat	893 893 893 1 346 35 346 35 04002 82300 93998 ... 75311 73798 66781 000 000	USB	(AB-KWT/MPJ-POL)
E07	15831	3-4	1430	Sat	893 893 893 1 346 35 346 35 04002 82300 93998 ... 75311 73798 66781 000 000	USB	(AB-KWT/MPJ-POL)
E07	14831	3-4	1450	Sat	893 893 893 1 346 35 346 35 04002 82300 93998 ... 75311 73798 66781 000 000	USB	(AB-KWT/F4LKC/MPJ-POL)
E07	9261	4-4	0600	Sun	224 224 224 000	USB	(AB)
E07	10261	4-4	0620	Sun	224 224 224 000	USB	(AB)
E07	13417	4-4	1700	Sun	417 417 417 000	USB	(AB/HFD)
E07	12117	4-4	1720	Sun	417 417 417 000	USB	(AB/HFD)
E07	17453	6-4	0700	Tue	446 446 446 1 7146 58 7146 58 58739 48612 24300 ... 66665 62864 22367 000 000	USB	(AB-GRC)
E07	18453	6-4	0720	Tue	446 446 446 1 7146 58 7146 58 58739 48612 24300 ... 66665 62864 22367 000 000	USB	(AB-GRC)
E07	19653	6-4	0740	Tue	446 446 446 1 7146 58 7146 58 58739 48612 24300 ... 66665 62864 22367 000 000	USB	(AB-GRC)
E07	13417	7-4	1700	Wed	417 417 417 1 9514 73 9514 73 12201 18427 73163 ... 65719 49724 99729 000 000	USB	(AB/MPJ)
E07	12117	7-4	1720	Wed	417 417 417 1 9514 73 9514 73 12201 18427 73163 ... 65719 49724 99729 000 000	USB	(AB/MPJ)
E07	10717	7-4	1740	Wed	417 417 417 1 9514 73 9514 73 12201 18427 73163 ... 65719 49724 99729 000 000	USB	(AB/MPJ)
E07	16331	8-4	1410	Thu	893 893 893 000	USB	(AB-GRC/GHn/MPJ)
E07	15831	8-4	1430	Thu	893 893 893 000	USB	(AB-GRC/MPJ)
E07	17453	9-4	0700	Fri	446 446 446 1 7146 58 7146 58 58739 48612 24300 ... 66665 62864 22367 000 000	USB	(AB-GRC)
E07	18453	9-4	0720	Fri	446 446 446 1 7146 58 7146 58 58739 48612 24300 ... 66665 62864 22367 000 000	USB	(AB-GRC)
E07	19653	9-4	0740	Fri	446 446 446 1 7146 58 7146 58 58739 48612 24300 ... 66665 62864 22367 000 000	USB	(AB-GRC)
E07	12176	10-4	1300	Sat	152 152 152 000	USB	(AB)
E07	11576	10-4	1320	Sat	152 152 152 000	USB	(AB/GHn)
E07	16331	10-4	1410	Sat	893 893 893 000	USB	(AB-KWT)
E07	15831	10-4	1430	Sat	893 893 893 000	USB	(AB-KWT)
E07	9261	11-4	0600	Sun	224 224 224 000	USB	(AB)
E07	10261	11-4	0620	Sun	224 224 224 000	USB	(AB)
E07	13417	11-4	1700	Sun	417 417 417 1 9514 73 9514 73 12201 18427 73163 ... 65719 49724 99729 000 000	USB	(AB)
E07	12117	11-4	1720	Sun	417 417 417 1 9514 73 9514 73 12201 18427 73163 ... 65719 49724 99729 000 000	USB	(AB)

E07	10717	11-4	1740	Sun	417 417 417 1 9514 73 9514 73 12201 18427 73163 ... 65719 49724 99729 000 000	USB	(AB)
E07	13417	14-4	1700	Wed	417 417 417 000	USB	(AB)
E07	12117	14-4	1720	Wed	417 417 417 000	USB	(AB)
E07	16331	15-4	1410	Thu	893 893 893 1 1996 35 1996 35 82381 26087 66652 ... 05333 06231 13061 000 000	USB	(AB-KWT/MPJ)
E07	15831	15-4	1430	Thu	893 893 893 1 1996 35 1996 35 82381 26087 66652 ... 05333 06231 13061 000 000	USB	(AB-KWT/MPJ)
E07	14831	15-4	1450	Thu	893 893 893 1 1996 35 1996 35 82381 26087 66652 ... 05333 06231 13061 000 000	USB	(AB-KWT/MPJ)
E07	17453	16-4	0700	Fri	446 446 446 000	USB	(AB-KWT)
E07	18453	16-4	0720	Fri	446 446 446 000	USB	(AB-KWT)
E07	12176	17-4	1300	Sat	152 152 152 000	USB	(AB)
E07	11576	17-4	1320	Sat	152 152 152 000	USB	(AB/GHn)
E07	16331	17-4	1410	Sat	893 893 893 1 1996 35 1996 35 82381 26087 66652 ... 05333 06231 13061 000 000	USB	(AB-KWT/MPJ)
E07	15831	17-4	1430	Sat	893 893 893 1 1996 35 1996 35 82381 26087 66652 ... 05333 06231 13061 000 000	USB	(AB-KWT/MPJ)
E07	14831	17-4	1450	Sat	893 893 893 1 1996 35 1996 35 82381 26087 66652 ... 05333 06231 13061 000 000	USB	(AB-KWT/MPJ)
E07	9261	18-4	0600	Sun	224 224 224 000	USB	(AB)
E07	10261	18-4	0620	Sun	224 224 224 000	USB	(AB)
E07	13417	18-4	1700	Sun	417 417 417 000	USB	(AB)
E07	12117	18-4	1720	Sun	417 417 417 000	USB	(AB)
E07	13417	21-4	1700	Wed	417 417 417 1 290 81 290 81 80442 24828 88089 ... 50303 48478 49922 000 000	USB	(AB/MPJ)
E07	12117	21-4	1720	Wed	417 417 417 1 290 81 290 81 80442 24828 88089 ... 50303 48478 49922 000 000	USB	(AB/MPJ)
E07	10717	21-4	1740	Wed	417 417 417 1 290 81 290 81 80442 24828 88089 ... 50303 48478 49922 000 000	USB	(AB/MPJ)
E07	16331	22-4	1410	Thu	893 893 893 000	USB	(AB-KWT/MPJ-HNG)
E07	15831	22-4	1430	Thu	893 893 893 000	USB	(AB-KWT/MPJ)
E07	17453	23-4	0700	Fri	446 446 446 1 5557 58 5557 58 64690 19766 05706 ... 10525 71187 06252 000 000	USB	(AB-KWT)
E07	18453	23-4	0720	Fri	446 446 446 1 5557 58 5557 58 64690 19766 05706 ... 10525 71187 06252 000 000	USB	(AB-KWT)
E07	19653	23-4	0740	Fri	446 446 446 1 5557 58 5557 58 64690 19766 05706 ... 10525 71187 06252 000 000	USB	(AB-KWT)
E07	12176	24-4	1300	Sat	152 152 152 000	USB	(AB)
E07	11576	24-4	1320	Sat	152 152 152 000	USB	(AB/GHn)
E07	16331	24-4	1410	Sat	893 893 893 000	USB	(AB-KWT)
E07	15831	24-4	1430	Sat	893 893 893 000	USB	(AB-KWT)
E07	9261	25-4	0600	Sun	224 224 224 000	USB	(AB/HFD)
E07	10261	25-4	0620	Sun	224 224 224 000	USB	(AB/HFD)
E07	13417	25-4	1700	Sun	417 417 417 1 290 81 290 81 80442 24828 88089 ... 50303 48478 49922 000 000	USB	(AB)
E07	12117	25-4	1720	Sun	417 417 417 1 290 81 290 81 80442 24828 88089 ... 50303 48478 49922 000 000	USB	(AB)
E07	10717	25-4	1740	Sun	417 417 417 1 290 81 290 81 80442 24828 88089 ... 50303 48478 49922 000 000	USB	(AB)
E07	17453	27-4	0700	Tue	446 446 446 000	USB	(AB-KWT)
E07	18453	27-4	0720	Tue	446 446 446 000	USB	(AB-KWT)
E07	13417	28-4	1700	Wed	417 417 417 000	USB	(AB/MPJ)
E07	12117	28-4	1720	Wed	417 417 417 000	USB	(AB/MPJ)
E07	16331	29-4	1410	Thu	893 893 893 1 8629 117 8629 117 80108 33075 53392 ... 82318 25001 21207 000 000	USB	(AB-KWT/ES/MPJ)
E07	15831	29-4	1430	Thu	893 893 893 1 8629 117 8629 117 80108 33075 53392 ... 82318 25001 21207 000 000	USB	(AB-KWT/ES/MPJ)
E07	14831	29-4	1450	Thu	893 893 893 1 8629 117 8629 117 80108 33075 53392 ... 82318 25001 21207 000 000	USB	(AB-KWT/ES/MPJ)
E07	17453	30-4	0700	Fri	446 446 446 000	USB	(AB-KWT)
E07	18453	30-4	0720	Fri	446 446 446 000	USB	(AB-KWT)
E07a	6788	1-4	0430	Thu	741 741 741 000	USB	(AB)
E07a	7488	1-4	0450	Thu	741 741 741 000	USB	(AB)
E07a	12174	2-4	1510	Fri	102 102 102 000	USB	(AB/MPJ/HFD)
E07a	11074	2-4	1530	Fri	102 102 102 000	USB	(AB/MPJ/HFD)

E07a	12218	3-4	0800	Sat	244 244 244 000	USB	(AB/HFD)
E07a	13418	3-4	0820	Sat	244 244 244 000	USB	(AB/HFD)
E07a	8144	7-4	2000	Wed	197 197 197 000	USB	(AB/HFD)
E07a	6944	7-4	2020	Wed	197 197 197 000	USB	(AB/HFD)
E07a	6788	8-4	0430	Thu	741 741 741 000	USB	(AB)
E07a	7488	8-4	0450	Thu	741 741 741 000	USB	(AB)
E07a	12174	9-4	1510	Fri	102 102 102 000	USB	(AB/MPJ)
E07a	11074	9-4	1530	Fri	102 102 102 000	USB	(AB/MPJ)
E07a	12218	10-4	0800	Sat	244 244 244 000	USB	(AB)
E07a	13418	10-4	0820	Sat	244 244 244 000	USB	(AB)
E07a	8144	14-4	2000	Wed	197 197 197 000	USB	(AB/RL)
E07a	6944	14-4	2020	Wed	197 197 197 000	USB	(AB/RL)
E07a	6788	15-4	0430	Thu	741 741 741 000	USB	(AB/HFD)
E07a	7488	15-4	0450	Thu	741 741 741 000	USB	(AB/HFD)
E07a	12174	16-4	1510	Fri	102 102 102 000	USB	(AB)
E07a	11074	16-4	1530	Fri	102 102 102 000	USB	(AB)
E07a	12218	17-4	0800	Sat	244 244 244 000	USB	(AB)
E07a	13418	17-4	0820	Sat	244 244 244 000	USB	(AB)
E07a	8144	21-4	2000	Wed	197 197 197 000	USB	(AB/RL)
E07a	6944	21-4	2020	Wed	197 197 197 000	USB	(AB)
E07a	6788	22-4	0430	Thu	741 741 741 000	USB	(AB)
E07a	7488	22-4	0450	Thu	741 741 741 000	USB	(AB)
E07a	12174	23-4	1510	Fri	102 102 102 000	USB	(AB/GHn/MPJ)
E07a	11074	23-4	1530	Fri	102 102 102 000	USB	(AB/MPJ)
E07a	12218	24-4	0800	Sat	244 244 244 000	USB	(AB)
E07a	13418	24-4	0820	Sat	244 244 244 000	USB	(AB)
E07a	8144	28-4	2000	Wed	197 197 197 000	USB	(AB)
E07a	6944	28-4	2020	Wed	197 197 197 000	USB	(AB/RL)
E07a	6788	29-4	0430	Thu	741 741 741 000	USB	(AB)
E07a	7488	29-4	0450	Thu	741 741 741 000	USB	(AB)
E07a	12174	30-4	1510	Fri	102 102 102 000	USB	(AB/GHn)
E07a	11074	30-4	1530	Fri	102 102 102 000	USB	(AB/MPJ)
E11	14865	1-4	0745	Thu	220/00	USB	(AB)
E11	5941	1-4	0820	Thu	435/00	USB	(AB)
E11	12202	1-4	0845	Thu	151/00	USB	(AB)
E11	6940	1-4	0930	Thu	276/00	USB	(AB)
E11	12530	1-4	1230	Thu	335/00	USB	(AB/MPJ)
E11	10330	1-4	1530	Thu	268/00	USB	(AB/GHn/MPJ)
E11	7864	1-4	1730	Thu	412/00	USB	(AB/MPJ)
E11	7317	1-4	1900	Thu	648/00	USB	(AB)
E11	8180	2-4	0700	Fri	574/00	USB	(AB)
E11	9963	2-4	0715	Fri	634/00	USB	(AB)
E11	17410	2-4	0745	Fri	346/00	USB	(AB-POL)
E11	5941	2-4	0820	Fri	432/00	USB	(AB)
E11	12153	2-4	0830	Fri	183/00	USB	(AB)
E11	7317	2-4	1000	Fri	302/00	USB	(AB)
E11	5737	2-4	1530	Fri	524/00	USB	(AB/MPJ)

E11	11116	2-4	1650	Fri	922/00	USB	(AB/MPJ)
E11	8102	3-4	0710	Sat	497/00	USB	(AB)
E11	14972	3-4	1345	Sat	912/00	USB	(AB-POL/MPJ)
E11	4181	3-4	1910	Sat	390/00	USB	(AB)
E11	8102	4-4	0710	Sun	492/00	USB	(AB)
E11	5082	4-4	1605	Sun	235/00	USB	(AnEur)
E11	6923	4-4	1625	Sun	970/00	USB	(AnEur)
E11	13470	4-4	1745	Sun	242/00	USB	(AB-POL)
E11	5371	5-4	0450	Mon	412/00	USB	(AB)
E11	12153	5-4	0640	Mon	944/00	USB	(AB)
E11	10213	5-4	0745	Mon	262/00	USB	(AB)
E11	12153	5-4	0830	Mon	182/00	USB	(AB)
E11	12202	5-4	0845	Mon	713/00	USB	(AB)
E11	8180	5-4	0900	Mon	533/00	USB	(AB)
E11	7317	5-4	1045	Mon	698/00	USB	(AB/MPJ)
E11	5737	5-4	1530	Mon	524/00	USB	(AB)
E11	13470	5-4	1745	Mon	242/00	USB	(AB/MPJ)
E11	8423	6-4	0645	Tue	511/00	USB	(AB)
E11	8180	6-4	0700	Tue	576/00	USB	(AB)
E11	9963	6-4	0715	Tue	633/00	USB	(AB)
E11	19184	6-4	0820	Tue	138/00	USB	(AB-POL)
E11	7317	6-4	1000	Tue	302/00	USB	(AB)
E11	12530	6-4	1230	Tue	338/00	USB	(AB)
E11	5082	6-4	1605	Tue	231/00	USB	(AB)
E11	12153	7-4	0640	Wed	946/00	USB	(AB)
E11	17410	7-4	0745	Wed	342/00	USB	(AB-POL)
E11	19184	7-4	0820	Wed	136/00	USB	(AB)
E11	12202	7-4	0845	Wed	713/00	USB	(AB)
E11	8180	7-4	0900	Wed	536/00	USB	(AB)
E11	6940	7-4	0930	Wed	271/00	USB	(AB)
E11	7317	7-4	1045	Wed	696/00	USB	(AB)
E11	4181	7-4	1910	Wed	399/00	USB	(AB)
E11	8423	8-4	0645	Thu	510/00	USB	(AB/HFD)
E11	6940	8-4	0930	Thu	276/00	USB	(AB)
E11	12530	8-4	1230	Thu	335/00	USB	(AB/HFD)
E11	5371	8-4	1300	Thu	316/00	USB	(AB/HFD)
E11	10330	8-4	1530	Thu	264/00	USB	(AB/GHn/MPJ)
E11	7864	8-4	1730	Thu	411/00	USB	(AB)
E11	5779	9-4	0435	Fri	359/00	USB	(AB)
E11	8180	9-4	0700	Fri	577/00	USB	(AB)
E11	9963	9-4	0715	Fri	630/00	USB	(AB)
E11	17410	9-4	0745	Fri	347/00	USB	(AB-POL)
E11	12153	9-4	0830	Fri	188/00	USB	(AB)
E11	7317	9-4	1000	Fri	304/00	USB	(AB/MPJ)
E11	5737	9-4	1530	Fri	520/00	USB	(AB/MPJ)
E11	8530	9-4	1910	Fri	617/00	USB	(AB)
E11	4505	10-4	1530	Sat	365/00	USB	(AB)

E11	4181	10-4	1910	Sat	390/00	USB	(AB)
E11	4505	11-4	1530	Sun	364/00	USB	(AB-POL/MPJ)
E11	5082	11-4	1605	Sun	231/00	USB	(AB)
E11	13470	11-4	1745	Sun	247/00	USB	(AB)
E11	8530	11-4	1910	Sun	611/00	USB	(AB)
E11	5371	12-4	0450	Mon	410/00	USB	(AB)
E11	12153	12-4	0640	Mon	949/00	USB	(AB)
E11	12153	12-4	0830	Mon	181/00	USB	(AB)
E11	12202	12-4	0845	Mon	718/00	USB	(AB)
E11	7317	12-4	1045	Mon	696/00	USB	(AB)
E11	13470	12-4	1745	Mon	248/00	USB	(AB-POL/MPJ-POL)
E11	7317	12-4	1900	Mon	641/00	USB	(AB)
E11	8423	13-4	0645	Tue	515/00	USB	(AB)
E11	8180	13-4	0700	Tue	571/00	USB	(AB)
E11	14865	13-4	0745	Tue	227/00	USB	(AB-POL)
E11	19184	13-4	0820	Tue	130/00	USB	(AB-POL)
E11	12202	13-4	0845	Tue	159/00	USB	(AB)
E11	7317	13-4	1000	Tue	304/00	USB	(AB)
E11	6923	13-4	1205	Tue	466/00	USB	(AB)
E11	14972	13-4	1345	Tue	915/00	USB	(AB-POL)
E11	12153	14-4	0640	Wed	949/00	USB	(AB/HFD)
E11	19184	14-4	0820	Wed	133/00	USB	(AB-POL)
E11	12202	14-4	0845	Wed	711/00	USB	(AB)
E11	6940	14-4	0930	Wed	278/00	USB	(AB)
E11	7317	14-4	1045	Wed	694/00	USB	(AB)
E11	6923	14-4	1205	Wed	460/00	USB	(AB/MPJ)
E11	6923	14-4	1625	Wed	977/00	USB	(AB/GHn/MPJ)
E11	8423	15-4	0645	Thu	517/00	USB	(AB)
E11	14865	15-4	0745	Thu	224/00	USB	(AB)
E11	5941	15-4	0820	Thu	439/00	USB	(AB)
E11	12202	15-4	0845	Thu	157/00	USB	(AB)
E11	6940	15-4	0930	Thu	273/00	USB	(AB)
E11	7864	15-4	1730	Thu	411/00	USB	(AB/GHn)
E11	7317	15-4	1900	Thu	646/00	USB	(AB)
E11	5779	16-4	0435	Fri	352/00	USB	(AB)
E11	8180	16-4	0700	Fri	576/00	USB	(AB)
E11	5941	16-4	0820	Fri	432/00	USB	(AB)
E11	12153	16-4	0830	Fri	183/00	USB	(AB)
E11	7317	16-4	1000	Fri	306/00	USB	(AB)
E11	11116	16-4	1650	Fri	921/00	USB	(AB)
E11	8530	16-4	1910	Fri	612/00	USB	(AB)
E11	8102	17-4	0710	Sat	492/00	USB	(AB)
E11	14972	17-4	1345	Sat	918/00	USB	(AB-POL/MPJ-POL)
E11	4505	17-4	1530	Sat	363/00	USB	(MPJ)
E11	5779	18-4	0435	Sun	354/00	USB	(AB)
E11	8102	18-4	0710	Sun	497/00	USB	(AB)
E11	4505	18-4	1530	Sun	368/00	USB	(AB)

E11	6923	18-4	1625	Sun	972/00	USB	(AB)
E11	11116	18-4	1650	Sun	925/00	USB	(AB-POL)
E11	13470	18-4	1745	Sun	248/00	USB	(MPJ)
E11	8530	18-4	1910	Sun	617/00	USB	(AB)
E11	12153	19-4	0640	Mon	946/00	USB	(AB)
E11	10213	19-4	0745	Mon	260/00	USB	(AB)
E11	8180	19-4	0900	Mon	536/00	USB	(AB)
E11	5371	19-4	1300	Mon	313/00	USB	(AB)
E11	5737	19-4	1530	Mon	521/00	USB	(AB)
E11	7317	19-4	1900	Mon	647/00	USB	(AB)
E11	9963	20-4	0715	Tue	636/00	USB	(AB)
E11	14865	20-4	0745	Tue	224/00	USB	(AB-POL)
E11	12202	20-4	0845	Tue	155/00	USB	(AB)
E11	7317	20-4	1000	Tue	302/00	USB	(AB)
E11	6923	20-4	1205	Tue	463/00	USB	(AB)
E11	12530	20-4	1230	Tue	335/00	USB	(AB)
E11	14972	20-4	1345	Tue	917/00	USB	(MPJ)
E11	5082	20-4	1605	Tue	233/00	USB	(MPJ)
E11	12153	21-4	0640	Wed	945/00	USB	(AB)
E11	8180	21-4	0900	Wed	532/00	USB	(AB)
E11	6940	21-4	0930	Wed	278/00	USB	(AB)
E11	6923	21-4	1205	Wed	464/00	USB	(AB/Gwr)
E11	6923	21-4	1625	Wed	970/00	USB	(AB/MPJ)
E11	4181	21-4	1910	Wed	392/00	USB	(AB)
E11	14865	22-4	0745	Thu	227/00	USB	(AB)
E11	5941	22-4	0820	Thu	438/00	USB	(AB/Gwr)
E11	12202	22-4	0845	Thu	156/00	USB	(AB)
E11	6940	22-4	0930	Thu	270/00	USB	(AB)
E11	12530	22-4	1230	Thu	337/00	USB	(AB/MPJ)
E11	5371	22-4	1300	Thu	312/00	USB	(AB)
E11	10330	22-4	1530	Thu	264/00	USB	(AB/GHn/MPJ)
E11	7317	22-4	1900	Thu	648/00	USB	(AB)
E11	5779	23-4	0435	Fri	355/00	USB	(AB)
E11	9963	23-4	0715	Fri	636/00	USB	(AB)
E11	5941	23-4	0820	Fri	431/00	USB	(AB)
E11	7317	23-4	1000	Fri	304/00	USB	(AB)
E11	5737	23-4	1530	Fri	524/00	USB	(AB/MPJ)
E11	11116	23-4	1650	Fri	927/00	USB	(MPJ)
E11	8530	23-4	1910	Fri	618/00	USB	(AB)
E11	8102	24-4	0710	Sat	495/00	USB	(AB)
E11	4505	24-4	1530	Sat	360/00	USB	(AB)
E11	4181	24-4	1910	Sat	390/00	USB	(AB)
E11	5779	25-4	0435	Sun	352/00	USB	(AB)
E11	8102	25-4	0710	Sun	497/00	USB	(AB)
E11	4505	25-4	1530	Sun	363/00	USB	(AB-POL/MPJ)
E11	5082	25-4	1605	Sun	235/00	USB	(AB/MPJ)
E11	6923	25-4	1625	Sun	976/00	USB	(AB/MPJ)

E11	11116	25-4	1650	Sun	927/00	USB	(AB-POL)
E11	8530	25-4	1910	Sun	614/00	USB	(AB)
E11	5371	26-4	0450	Mon	414/00	USB	(AB/HFD)
E11	10213	26-4	0745	Mon	264/00	USB	(AB)
E11	12153	26-4	0830	Mon	181/00	USB	(AB)
E11	12202	26-4	0845	Mon	715/00	USB	(AB)
E11	8180	26-4	0900	Mon	530/00	USB	(AB)
E11	7317	26-4	1045	Mon	690/00	USB	(AB)
E11	5371	26-4	1300	Mon	312/00	USB	(AB)
E11	5737	26-4	1530	Mon	520/00	USB	(AB/MPJ-AUT)
E11	13470	26-4	1745	Mon	248/00	USB	(AB-POL)
E11	7317	26-4	1900	Mon	640/00	USB	(AB/GHn)
E11	8423	27-4	0645	Tue	519/00	USB	(AB)
E11	8180	27-4	0700	Tue	573/00	USB	(AB)
E11	9963	27-4	0715	Tue	634/00	USB	(AB)
E11	14865	27-4	0745	Tue	223/00	USB	(AB-POL)
E11	19184	27-4	0820	Tue	132/00	USB	(AB)
E11	12202	27-4	0845	Tue	159/00	USB	(AB)
E11	6923	27-4	1205	Tue	464/00	USB	(AB/MPJ)
E11	12530	27-4	1230	Tue	334/00	USB	(MPJ)
E11	14972	27-4	1345	Tue	919/00	USB	(MPJ)
E11	5082	27-4	1605	Tue	233/00	USB	(AB)
E11	7850	28-4	0315	Wed	256/00	USB	(HFD)
E11	17410	28-4	0745	Wed	342/00	USB	(AB)
E11	19184	28-4	0820	Wed	135/00	USB	(AB-POL)
E11	12202	28-4	0845	Wed	719/00	USB	(AB)
E11	8180	28-4	0900	Wed	536/00	USB	(AB)
E11	7317	28-4	1045	Wed	698/00	USB	(AB)
E11	6923	28-4	1205	Wed	466/00	USB	(AB)
E11	6923	28-4	1625	Wed	970/00	USB	(AB/MPJ)
E11	4181	28-4	1910	Wed	399/00	USB	(AB)
E11	7850	29-4	0315	Thu	259/00	USB	(HFD)
E11	8423	29-4	0645	Thu	512/00	USB	(AB)
E11	14865	29-4	0745	Thu	228/00	USB	(AB)
E11	5941	29-4	0820	Thu	434/00	USB	(AB)
E11	12202	29-4	0845	Thu	154/00	USB	(AB)
E11	12530	29-4	1230	Thu	335/00	USB	(AB/MPJ)
E11	5371	29-4	1300	Thu	312/00	USB	(AB)
E11	10330	29-4	1530	Thu	268/00	USB	(AB)
E11	7864	29-4	1730	Thu	418/00	USB	(AB)
E11	7317	29-4	1900	Thu	643/00	USB	(AB)
E11	5779	30-4	0435	Fri	359/00	USB	(AB/HFD)
E11	8180	30-4	0700	Fri	575/00	USB	(AB)
E11	9963	30-4	0715	Fri	635/00	USB	(AB)
E11	17410	30-4	0745	Fri	348/00	USB	(AB-POL)
E11	5941	30-4	0820	Fri	432/00	USB	(AB)
E11	12153	30-4	0830	Fri	180/00	USB	(AB)

E11	5737	30-4	1530	Fri	520/00	USB	(AB/MPJ)
E11	11116	30-4	1650	Fri	920/00	USB	(MPJ)
E11	8530	30-4	1910	Fri	614/00	USB	(AB)
E11a	5779	2-4	0435	Fri	358/38 Attention 15873 70611 80265 ... 04960 39345 27864 Attention (message repeated) Out	USB	(AB)
E11a	8530	2-4	1910	Fri	613/34 Attention 32877 42387 53943 ... 61041 87987 57630 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4505	3-4	1530	Sat	364/31 Attention 36447 01817 76057 ... 44375 39246 24357 Attention (message repeated) Out	USB	(AB/F4LKC/MPJ-POL)
E11a	4505	4-4	1530	Sun	364/31 Attention 36447 01817 76057 ... 44375 39246 24357 Attention (message repeated) Out	USB	(AB)
E11a	8530	4-4	1910	Sun	613/34 Attention 32877 42387 53943 ... 61041 87987 57630 Attention (message repeated) Out	USB	(AB)
E11a	7317	5-4	1900	Mon	648/31 Attention 52917 70886 04769 ... 12734 80263 94087 Attention (message repeated) Out	USB	(AB)
E11a	14865	6-4	0745	Tue	227/38 Attention 14461 02222 31186 ... 86538 56532 42898 Attention (message repeated) Out	USB	(AB)
E11a	12202	6-4	0845	Tue	151/32 Attention 41714 89456 36057 ... 27456 51143 23231 Attention (message repeated) Out	USB	(AB)
E11a	6923	6-4	1205	Tue	465/35 Attention 68588 10708 48351 ... 90635 42770 27064 Attention (message repeated) Out	USB	(AB)
E11a	14972	6-4	1345	Tue	917/32 Attention 64535 48123 29355 ... 47657 24601 77923 Attention (message repeated) Out	USB	(AB-POL)
E11a	6923	7-4	1205	Wed	465/35 Attention 68588 10708 48351 ... 90635 42770 27064 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	6923	7-4	1625	Wed	978/35 Attention 20853 36907 12861 ... 03073 10784 75014 Attention (message repeated) Out	USB	(MPJ)
E11a	14865	8-4	0745	Thu	227/38 Attention 14461 02222 31186 ... 86538 56532 42898 Attention (message repeated) Out	USB	(AB)
E11a	5941	8-4	0820	Thu	436/33 Attention 40064 09263 18622 ... 15647 17277 21976 Attention (message repeated) Out	USB	(AB/Gwr)
E11a	12202	8-4	0845	Thu	151/32 Attention 41714 89456 36057 ... 27456 51143 23231 Attention (message repeated) Out	USB	(AB)
E11a	7317	8-4	1900	Thu	648/31 Attention 52917 70886 04769 ... 12734 80263 94087 Attention (message repeated) Out	USB	(AB)
E11a	5941	9-4	0820	Fri	436/33 Attention 40064 09263 18622 ... 15647 17277 21976 Attention (message repeated) Out	USB	(AB)
E11a	11116	9-4	1650	Fri	927/38 Attention 68040 56551 68073 ... 64035 67744 57631 Attention (message repeated) Out	USB	(MPJ)
E11a	8102	10-4	0710	Sat	491/40 Attention 54258 87313 66739 ... 39030 69197 01285 Attention (message repeated) Out	USB	(AB)
E11a	14972	10-4	1345	Sat	917/32 Attention 64535 48123 29355 ... 47657 24601 77923 Attention (message repeated) Out	USB	(AB-POL)
E11a	8102	11-4	0710	Sun	491/40 Attention 54258 87313 66739 ... 39030 69197 01285 Attention (message repeated) Out	USB	(AB)
E11a	6923	11-4	1625	Sun	978/35 Attention 20853 36907 12861 ... 03073 10784 75014 Attention (message repeated) Out	USB	(MPJ)
E11a	11116	11-4	1650	Sun	927/38 Attention 68040 56551 68073 ... 64035 67744 57631 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	10213	12-4	0745	Mon	260/32 Attention 58785 08874 21316 ... 15014 11320 60549 Attention (message repeated) Out	USB	(AB)
E11a	8180	12-4	0900	Mon	534/39 Attention 48631 39297 80180 ... 78153 81130 95981 Attention (message repeated) Out	USB	(AB)
E11a	5371	12-4	1300	Mon	316/34 Attention 93921 42117 31273 ... 34159 85368 24385 Attention (message repeated) Out	USB	(AB)
E11a	5737	12-4	1530	Mon	520/37 Attention 86188 08961 49217 ... 93592 53873 50397 Attention (message repeated) Out	USB	(AB/MPJ-POL)
E11a	9963	13-4	0715	Tue	636/33 Attention 50964 18524 96537 ... 59733 89462 69237 Attention (message repeated) Out	USB	(AB)
E11a	12530	13-4	1230	Tue	334/39 Attention 10383 41360 69825 ... 64701 00565 26628 Attention (message repeated) Out	USB	(AB)
E11a	5082	13-4	1605	Tue	231/32 Attention 92117 23278 62135 ... 96148 78865 68964 Attention (message repeated) Out	USB	(AB)
E11a	17410	14-4	0745	Wed	346/37 Attention 90033 60511 51682 ... 15745 06900 26540 Attention (message repeated) Out	USB	(AB-POL)
E11a	8180	14-4	0900	Wed	534/39 Attention 48631 39297 80180 ... 78153 81130 95981 Attention (message repeated) Out	USB	(AB)
E11a	4181	14-4	1910	Wed	399/31 Attention 15057 25977 15206 ... 64235 61979 75701 Attention (message repeated) Out	USB	(AB)
E11a	12530	15-4	1230	Thu	334/39 Attention 10383 41360 69825 ... 64701 00565 26628 Attention (message repeated) Out	USB	(AB)
E11a	5371	15-4	1300	Thu	316/34 Attention 93921 42117 31273 ... 34159 85368 24385 Attention (message repeated) Out	USB	(AB)
E11a	10330	15-4	1530	Thu	260/32 Attention 58785 08874 21316 ... 15014 11320 60549 Attention (message repeated) Out	USB	(AB/GHn/MPJ)
E11a	9963	16-4	0715	Fri	636/33 Attention 50964 18524 96537 ... 59733 89462 69237 Attention (message repeated) Out	USB	(AB)
E11a	17410	16-4	0745	Fri	346/37 Attention 90033 60511 51682 ... 15745 06900 26540 Attention (message repeated) Out	USB	(AB-POL)
E11a	5737	16-4	1530	Fri	520/37 Attention 86188 08961 49217 ... 93592 53873 50397 Attention (message repeated) Out	USB	(AB)
E11a	4181	17-4	1910	Sat	399/31 Attention 15057 25977 15206 ... 64235 61979 75701 Attention (message repeated) Out	USB	(AB)
E11a	5082	18-4	1605	Sun	231/32 Attention 92117 23278 62135 ... 96148 78865 68964 Attention (message repeated) Out	USB	(AB/MPJ-POL)
E11a	5371	19-4	0450	Mon	410/34 Attention 53849 72287 54703 ... 24361 43430 60874 Attention (message repeated) Out	USB	(AB)
E11a	12153	19-4	0830	Mon	183/30 Attention 15786 35931 47473 ... 65430 62431 26104 Attention (message repeated) Out	USB	(AB)
E11a	12202	19-4	0845	Mon	715/34 Attention 53454 45403 11653 ... 72095 94989 69216 Attention (message repeated) Out	USB	(AB)

E11a	7317	19-4	1045	Mon	691/23 Attention 55941 87745 90712 ... 88008 59458 84702 Attention (message repeated) Out	USB	(AB)
E11a	13470	19-4	1745	Mon	247/36 Attention 58247 04605 19549 ... 53627 04864 55431 Attention (message repeated) Out	USB	(AB-POL)
E11a	8423	20-4	0645	Tue	510/40 Attention 40636 37152 77933 ... 00056 38891 63211 Attention (message repeated) Out	USB	(AB)
E11a	19184	21-4	0820	Wed	133/38 Attention 80493 93388 76891 ... 25780 93329 44941 Attention (message repeated) Out	USB	(AB-POL)
E11a	12202	21-4	0845	Wed	715/34 Attention 53454 45403 11653 ... 72095 94989 69216 Attention (message repeated) Out	USB	(AB)
E11a	7317	21-4	1045	Wed	691/23 Attention 55941 87745 90712 ... 88008 59458 84702 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	8423	22-4	0645	Thu	510/40 Attention 40636 37152 77933 ... 00056 38891 63211 Attention (message repeated) Out	USB	(AB)
E11a	7864	22-4	1730	Thu	410/34 Attention 53849 72287 54703 ... 24361 43430 60874 Attention (message repeated) Out	USB	(AB)
E11a	8180	23-4	0700	Fri	573/33 Attention 66424 47625 20703 ... 33934 94843 95206 Attention (message repeated) Out	USB	(AB)
E11a	12153	23-4	0830	Fri	183/30 Attention 15786 35931 47473 ... 65430 62431 26104 Attention (message repeated) Out	USB	(AB)
E11a	13470	25-4	1745	Sun	247/36 Attention 58247 04605 19549 ... 53627 04864 55431 Attention (message repeated) Out	USB	(AB-POL/MPJ)
E11a	12153	26-4	0640	Mon	946/39 Attention 99931 29324 24593 ... 43161 37817 27159 Attention (message repeated) Out	USB	(AB)
E11a	7317	27-4	1000	Tue	302/34 Attention 54843 36424 13257 ... 16084 38929 32785 Attention (message repeated) Out	USB	(AB/F5JBR)
E11a	12153	28-4	0640	Wed	946/39 Attention 99931 29324 24593 ... 43161 37817 27159 Attention (message repeated) Out	USB	(AB)
E11a	6940	28-4	0930	Wed	276/36 Attention 59109 80005 38200 ... 58449 58623 77141 Attention (message repeated) Out	USB	(AB)
E11a	6940	29-4	0930	Thu	276/36 Attention 59109 80005 38200 ... 58449 58623 77141 Attention (message repeated) Out	USB	(AB)
E11a	7317	30-4	1000	Fri	302/34 Attention 54843 36424 13257 ... 16084 38929 32785 Attention (message repeated) Out	USB	(AB)
E11Aa	19184	20-4	0820	Tue	133/38 Attention 80493 93388 76891 ... 25780 93329 44941 Attention (message repeated) Out	USB	(HFD-POL)
E17z	14260	1-4	0800	Thu	217 954 6 13621 26252 82057 44817 89106 34937 954 6 00000	USB	(AB-RUS)
E17z	12930	1-4	0810	Thu	217 954 6 13621 26252 82057 44817 89106 34937 954 6 00000	USB	(AB)
E17z	14260	8-4	0800	Thu	217 954 6 13621 26252 82057 44817 89106 34937 954 6 00000	USB	(AB-FIN)
E17z	12930	8-4	0810	Thu	217 954 6 13621 26252 82057 44817 89106 34937 954 6 00000	USB	(AB-FIN)
E17z	14260	15-4	0800	Thu	217 804 5 20205 64336 95534 08446 87636 804 5 00000	USB	(AB-KWT)
E17z	12930	15-4	0810	Thu	217 804 5 20205 64336 95534 08446 87636 804 5 00000	USB	(AB)
E17z	14260	22-4	0800	Thu	217 804 5 20205 64336 95534 08446 87636 804 5 00000	USB	(AB)
E17z	12930	22-4	0810	Thu	217 804 5 20205 64336 95534 08446 87636 804 5 00000	USB	(AB)
E17z	14260	29-4	0800	Thu	217 217 217 00000	USB	(AB)
E17z	12930	29-4	0810	Thu	217 217 217 00000	USB	(AB)
EGY	16010	8-4	1336	Thu	99904: MFA Cairo messages to unid embassy	CODAN	(AB)
EGY	16066	8-4	1400	Thu	99910: MFA Cairo messages to 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	16088	8-4	1409	Thu	99910: MFA Cairo messages to 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	16240	8-4	1415	Thu	MFA Cairo clg RCVB: Egyptian embassy Washington, then messages in CODAN. Id 99910: MFA Cairo to 66601: Egyptian embassy Washington	SITOR-A 100/170 + CODAN	(AB)
EGY	16015	8-4	1447	Thu	99910: MFA Cairo messages to 66601: Egyptian embassy Washington	CODAN	(AB)
F01	10177	1-4	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8076	1-4	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	6974	1-4	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	10177	2-4	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB/HFD)
F01	8076	2-4	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB/HFD)
F01	6974	2-4	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB/HFD)
F01	10177	5-4	1015	Mon	Russian diplo/intel. 56877 27596 52063 ... 53403 85652 18423 00000	FSK 200/500	(AB)
F01	8076	5-4	1025	Mon	Russian diplo/intel. 56877 27596 52063 ... 53403 85652 18423 00000	FSK 200/500	(AB-RUS)
F01	6974	5-4	1035	Mon	Russian diplo/intel. 56877 27596 52063 ... 53403 85652 18423 00000	FSK 200/500	(AB-RUS)
F01	10177	6-4	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-POL)
F01	8076	6-4	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	6974	6-4	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	10177	7-4	1015	Wed	Russian diplo/intel. 78479 61407 57629 ... 73766 72938 21431 00000	FSK 200/500	(AB)

F01	8076	7-4	1025	Wed	Russian diplo/intel. 78479 61407 57629 ... 73766 72938 21431 00000	FSK 200/500	(AB)
F01	6974	7-4	1035	Wed	Russian diplo/intel. 78479 61407 57629 ... 73766 72938 21431 00000	FSK 200/500	(AB)
F01	12194	7-4	1840	Wed	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10581	7-4	1850	Wed	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8112	7-4	1900	Wed	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10177	8-4	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8076	8-4	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	6974	8-4	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/MPJ-RUS)
F01	10177	9-4	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8076	9-4	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	6974	9-4	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10177	12-4	1015	Mon	Russian diplo/intel. 52092 40449 22561 ... 27903 49012 24433 00000	FSK 200/500	(AB)
F01	8076	12-4	1025	Mon	Russian diplo/intel. 52092 40449 22561 ... 27903 49012 24433 00000	FSK 200/500	(AB-RUS)
F01	6974	12-4	1035	Mon	Russian diplo/intel. 52092 40449 22561 ... 27903 49012 24433 00000	FSK 200/500	(AB-RUS/MPJ)
F01	10177	13-4	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8076	13-4	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	6974	13-4	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	10177	14-4	1015	Wed	Russian diplo/intel. 69646 19587 95615 ... 23774 51814 27443 00000	FSK 200/500	(AB-RUS)
F01	8076	14-4	1025	Wed	Russian diplo/intel. 69646 19587 95615 ... 23774 51814 27443 00000	FSK 200/500	(AB-RUS)
F01	6974	14-4	1035	Wed	Russian diplo/intel. 69646 19587 95615 ... 23774 51814 27443 00000	FSK 200/500	(AB-RUS)
F01	10177	15-4	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-POL)
F01	8076	15-4	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-POL)
F01	6974	15-4	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-POL)
F01	10177	16-4	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8076	16-4	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	6974	16-4	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10177	19-4	1015	Mon	Russian diplo/intel. 46206 74238 49901 ... 98144 91050 30425 00000	FSK 200/500	(AB-RUS)
F01	8076	19-4	1025	Mon	Russian diplo/intel. 46206 74238 49901 ... 98144 91050 30425 00000	FSK 200/500	(AB-RUS)
F01	6974	19-4	1035	Mon	Russian diplo/intel. 46206 74238 49901 ... 98144 91050 30425 00000	FSK 200/500	(AB-RUS)
F01	10177	20-4	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB/MPJ)
F01	8076	20-4	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/MPJ)
F01	6974	20-4	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/MPJ)
F01	10177	21-4	1015	Wed	Russian diplo/intel. 17016 36008 72614 ... 07569 45741 33441 00000	FSK 200/500	(AB-RUS)
F01	8076	21-4	1025	Wed	Russian diplo/intel. 17016 36008 72614 ... 07569 45741 33441 00000	FSK 200/500	(AB-RUS)
F01	6974	21-4	1035	Wed	Russian diplo/intel. 17016 36008 72614 ... 07569 45741 33441 00000	FSK 200/500	(AB-RUS)
F01	10177	22-4	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	8076	22-4	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	6974	22-4	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	10177	23-4	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8076	23-4	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	6974	23-4	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10177	26-4	1015	Mon	Russian diplo/intel. 34792 09006 47681 ... 22659 62164 36435 00000	FSK 200/500	(AB-RUS)
F01	8076	26-4	1025	Mon	Russian diplo/intel. 34792 09006 47681 ... 22659 62164 36435 00000	FSK 200/500	(AB-RUS)
F01	6974	26-4	1035	Mon	Russian diplo/intel. 34792 09006 47681 ... 22659 62164 36435 00000	FSK 200/500	(AB-RUS)
F01	10177	27-4	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB/MPJ)
F01	8076	27-4	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/MPJ)
F01	6974	27-4	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS/MPJ)

F01	10177	28-4	1015	Wed	Russian diplo/intel. 47188 31201 07034 ... 90591 82805 39433 00000	FSK 200/500	(AB-RUS)
F01	8076	28-4	1025	Wed	Russian diplo/intel. 47188 31201 07034 ... 90591 82805 39433 00000	FSK 200/500	(AB-RUS)
F01	6974	28-4	1035	Wed	Russian diplo/intel. 47188 31201 07034 ... 90591 82805 39433 00000	FSK 200/500	(AB-RUS)
F01	10177	29-4	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	8076	29-4	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	6974	29-4	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	10177	30-4	1015	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8076	30-4	1025	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	6974	30-4	1035	Fri	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F03j	8305	1-4	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	1-4	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	1-4	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	1-4	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19515	5-4	0630	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19515	5-4	0635	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	7984	5-4	0950	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7984	5-4	0955	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	6-4	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	6-4	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	6-4	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	6-4	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7984	7-4	0950	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7984	7-4	0955	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	8-4	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	8-4	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	8-4	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	8-4	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19515	12-4	0630	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19515	12-4	0635	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	7984	12-4	0950	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	7984	12-4	0955	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	8305	13-4	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	13-4	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	13-4	0835	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	13-4	0840	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19515	14-4	0630	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19515	14-4	0635	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	7984	14-4	0950	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7984	14-4	0955	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	15-4	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	15-4	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	15-4	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	15-4	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19515	19-4	0630	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19515	19-4	0635	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	7984	19-4	0950	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	7984	19-4	0955	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)

F03j	8305	20-4	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	20-4	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19515	21-4	0630	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19515	21-4	0635	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	7984	21-4	0950	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7984	21-4	0955	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	22-4	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	22-4	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	22-4	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	22-4	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19515	26-4	0630	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19515	26-4	0635	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	7984	26-4	0950	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7984	26-4	0955	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	27-4	0615	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	27-4	0620	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19515	28-4	0630	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19515	28-4	0635	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	7984	28-4	0950	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7984	28-4	0955	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	29-4	0615	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8305	29-4	0620	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	29-4	0835	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13046	29-4	0840	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03l	14975	1-4	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14975	1-4	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13873	1-4	0725	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13873	1-4	0730	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6849	1-4	0915	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6849	1-4	0920	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7798	1-4	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	7798	1-4	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	15915	2-4	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03l	15915	2-4	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03l	7377	5-4	1030	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03l	7377	5-4	1035	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03l	7798	5-4	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03l	7798	5-4	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03l	14975	6-4	0635	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	14975	6-4	0640	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13873	6-4	0725	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	13873	6-4	0730	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	18030	6-4	0800	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	18030	6-4	0810	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	18030	7-4	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	18030	7-4	0810	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	6849	7-4	0915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	6849	7-4	0920	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7377	7-4	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7377	7-4	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15915	7-4	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15915	7-4	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14975	8-4	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14975	8-4	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13873	8-4	0725	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13873	8-4	0730	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6849	8-4	0915	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6849	8-4	0920	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7798	8-4	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	7798	8-4	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	15915	9-4	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	15915	9-4	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	7377	12-4	1030	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7377	12-4	1035	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7798	12-4	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	7798	12-4	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	14975	13-4	0635	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14975	13-4	0640	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13873	13-4	0725	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13873	13-4	0730	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18030	13-4	0800	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18030	13-4	0810	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18030	14-4	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18030	14-4	0810	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6849	14-4	0915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6849	14-4	0920	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7377	14-4	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7377	14-4	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15915	14-4	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15915	14-4	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14975	15-4	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14975	15-4	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6849	15-4	0915	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6849	15-4	0920	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7798	15-4	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7798	15-4	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15915	16-4	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15915	16-4	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7377	19-4	1030	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7377	19-4	1035	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7798	19-4	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7798	19-4	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14975	20-4	0635	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14975	20-4	0640	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	18030	21-4	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	18030	21-4	0810	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	6849	21-4	0915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6849	21-4	0920	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7377	21-4	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7377	21-4	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15915	21-4	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	15915	21-4	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	14975	22-4	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14975	22-4	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13873	22-4	0725	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13873	22-4	0730	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13873	22-4	0730	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6849	22-4	0915	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6849	22-4	0920	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7798	22-4	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	7798	22-4	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	15915	23-4	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	15915	23-4	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	7377	26-4	1030	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7377	26-4	1035	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7798	26-4	1830	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	7798	26-4	1835	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	14975	27-4	0635	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14975	27-4	0640	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18030	27-4	0800	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18030	27-4	0810	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18030	28-4	0800	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	18030	28-4	0810	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	6849	28-4	0915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6849	28-4	0920	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7377	28-4	1030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7377	28-4	1035	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15915	28-4	1330	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	15915	28-4	1335	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	14975	29-4	0635	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14975	29-4	0640	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13873	29-4	0725	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6849	29-4	0915	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6849	29-4	0920	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7798	29-4	1830	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7798	29-4	1835	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15915	30-4	1330	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	15915	30-4	1335	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F06	13370	1-4	0200	Thu	Russian diplo/intel. Header: 11166 60146 00000 01030 04529	FSK 200/1000	(PY)
F06	11538	1-4	0210	Thu	Russian diplo/intel. Header: 11166 60146 00000 01030 04529	FSK 200/1000	(PY)
F06	10614	1-4	0220	Thu	Russian diplo/intel. Header: 11166 60146 00000 01030 04529	FSK 200/1000	(PY)

F06	11563	1-4	0300	Thu	Russian diplo/intel. Header: 11166 60146 00000 01030 04529	FSK 200/1000	(PY)
F06	10216	1-4	0310	Thu	Russian diplo/intel. Header: 11166 60146 00000 01030 04529	FSK 200/1000	(PY)
F06	9417	1-4	0320	Thu	Russian diplo/intel. Header: 11166 60146 00000 01030 04529	FSK 200/1000	(PY)
F06	16325	1-4	0600	Thu	Russian diplo/intel. Headers: 11166 40122 56789 27040 01709 and 11166 40122 78901 27041 02369	FSK 200/1000	(AB-J)
F06	14724	1-4	0610	Thu	Russian diplo/intel. Headers: 11166 40122 56789 27040 01709 and 11166 40122 78901 27041 02369	FSK 200/1000	(AB-J)
F06	12172	1-4	0620	Thu	Russian diplo/intel. Headers: 11166 40122 56789 27040 01709 and 11166 40122 78901 27041 02369	FSK 200/1000	(AB-J)
F06	13427	1-4	0700	Thu	Russian diplo/intel. Headers: 11166 70202 36258 31045 01759 and 11166 70202 51247 31046 01439	FSK 200/1000	(AB)
F06	11054	1-4	0710	Thu	Russian diplo/intel. Headers: 11166 70202 36258 31045 01759 and 11166 70202 51247 31046 01439	FSK 200/1000	(AB)
F06	8189	1-4	0720	Thu	Russian diplo/intel. Headers: 11166 70202 36258 31045 01759 and 11166 70202 51247 31046 01439	FSK 200/1000	(AB)
F06	12146	1-4	1200	Thu	Russian diplo/intel. Headers: 11166 70202 36258 31045 01759 and 11166 70202 51247 31046 01439	FSK 200/1000	(AB/MPJ)
F06	10388	1-4	1210	Thu	Russian diplo/intel. Headers: 11166 70202 36258 31045 01759 and 11166 70202 51247 31046 01439	FSK 200/1000	(AB/MPJ)
F06	8084	1-4	1220	Thu	Russian diplo/intel. Headers: 11166 70202 36258 31045 01759 and 11166 70202 51247 31046 01439	FSK 200/1000	(AB/MPJ)
F06	16351	1-4	1330	Thu	Russian diplo/intel. 11166 80214 65218 01041 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	14367	1-4	1340	Thu	Russian diplo/intel. 11166 80214 65218 01041 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	11483	1-4	1350	Thu	Russian diplo/intel. 11166 80214 65218 01041 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	13370	2-4	0200	Fri	Russian diplo/intel. Header: 11166 60146 00000 01030 04529	FSK 200/1000	(PY)
F06	11538	2-4	0210	Fri	Russian diplo/intel. Header: 11166 60146 00000 01030 04529	FSK 200/1000	(PY)
F06	10614	2-4	0220	Fri	Russian diplo/intel. Wrong shift, undecodable	FSK 200/200	(PY)
F06	11563	2-4	0300	Fri	Russian diplo/intel. Header: 11166 60146 00000 01030 04529	FSK 200/1000	(PY)
F06	10216	2-4	0310	Fri	Russian diplo/intel. Header: 11166 60146 00000 01030 04529	FSK 200/1000	(PY)
F06	9417	2-4	0320	Fri	Russian diplo/intel. Header: 11166 60146 00000 01030 04529	FSK 200/1000	(PY)
F06	13427	2-4	0700	Fri	Russian diplo/intel. 11166 70202 79645 02057 00049 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	11054	2-4	0710	Fri	Russian diplo/intel. 11166 70202 79645 02057 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	8189	2-4	0720	Fri	Russian diplo/intel. 11166 70202 79645 02057 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	18626	4-4	1530	Sun	Russian diplo/intel. 11166 10053 15973 04001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	16325	4-4	1540	Sun	Russian diplo/intel. 11166 10053 15973 04001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	13458	4-4	1550	Sun	Russian diplo/intel. 11166 10053 15973 04001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	13370	5-4	0200	Mon	Russian diplo/intel. Header: 11166 60146 00000 01030 04529 repeat of April 1st, 500Hz shift	FSK 200/500	(PY)
F06	11538	5-4	0210	Mon	Russian diplo/intel. Header: 11166 60146 00000 01030 04529 repeat of April 1st, 500Hz shift	FSK 200/500	(PY)
F06	10614	5-4	0219	Mon	Russian diplo/intel. Header: carrier up shifted at +250Hz, then switching to +500Hz and 1000Hz. Header: 11166 60146 00000 01030 04529	FSK 200/500	(PY)
F06	11563	5-4	0300	Mon	Russian diplo/intel. Header: 11166 60146 00000 05032 02679	FSK 200/1000	(PY)
F06	10216	5-4	0310	Mon	Russian diplo/intel. Header: 11166 60146 00000 05032 02679	FSK 200/1000	(PY)
F06	9417	5-4	0320	Mon	Russian diplo/intel. Header: 11166 60146 00000 05032 02679	FSK 200/1000	(PY)
F06	9473	5-4	0400	Mon	Russian diplo/intel. 11166 70059 35719 05001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	7556	5-4	0410	Mon	Russian diplo/intel. 11166 70059 35719 05001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	5471	5-4	0420	Mon	Russian diplo/intel. 11166 70059 35719 05001 00049 00000 00000 00000	FSK 200/1000	(AB)
F06	13427	5-4	0700	Mon	Russian diplo/intel. Header: 11166 70202 45796 01047 02599	FSK 200/1000	(AB)
F06	11054	5-4	0710	Mon	Russian diplo/intel. Header: 11166 70202 45796 01047 02599	FSK 200/1000	(AB)
F06	8189	5-4	0720	Mon	Russian diplo/intel. Header: 11166 70202 45796 01047 02599	FSK 200/1000	(AB)
F06	12146	5-4	1200	Mon	Russian diplo/intel. Header: 11166 70202 45796 01047 02599	FSK 200/1000	(AB)
F06	10388	5-4	1210	Mon	Russian diplo/intel. Header: 11166 70202 45796 01047 02599	FSK 200/1000	(AB)
F06	8084	5-4	1220	Mon	Russian diplo/intel. Header: 11166 70202 45796 01047 02599	FSK 200/1000	(AB)
F06	13370	6-4	0200	Tue	Russian diplo/intel. Header: 11166 60146 00000 06033 02709 Txm failure, signal went off mid-message, and came back a minute later still mid-message.	FSK 200/1000	(PY)
F06	11538	6-4	0210	Tue	Russian diplo/intel. Header: 11166 60146 00000 06033 02709	FSK 200/1000	(PY)
F06	10614	6-4	0220	Tue	Russian diplo/intel. Header: 11166 60146 00000 06033 02709	FSK 200/1000	(PY)

F06	11563	6-4	0300	Tue	Russian diplo/intel. Header: 11166 60146 00000 06033 02709	FSK 200/1000	(PY)
F06	10216	6-4	0310	Tue	Russian diplo/intel. Header: 11166 60146 00000 06033 02709	FSK 200/1000	(PY)
F06	9417	6-4	0320	Tue	Russian diplo/intel. Header: 11166 60146 00000 06033 02709	FSK 200/1000	(PY)
F06	13427	6-4	0700	Tue	Russian diplo/intel. Headers: 11166 70202 12548 05048 01779 and 11166 70202 63258 05049 01479	FSK 200/1000	(AB)
F06	11054	6-4	0710	Tue	Russian diplo/intel. Headers: 11166 70202 12548 05048 01779 and 11166 70202 63258 05049 01479	FSK 200/1000	(AB)
F06	8189	6-4	0720	Tue	Russian diplo/intel. Headers: 11166 70202 12548 05048 01779 and 11166 70202 63258 05049 01479	FSK 200/1000	(AB)
F06	12146	6-4	1200	Tue	Russian diplo/intel. Headers: 11166 70202 12548 05048 01779 and 11166 70202 63258 05049 01479	FSK 200/1000	(AB)
F06	10388	6-4	1210	Tue	Russian diplo/intel. Headers: 11166 70202 12548 05048 01779 and 11166 70202 63258 05049 01479	FSK 200/1000	(AB)
F06	8084	6-4	1220	Tue	Russian diplo/intel. Headers: 11166 70202 12548 05048 01779 and 11166 70202 63258 05049 01479	FSK 200/1000	(AB)
F06	18726	6-4	1650	Tue	Russian diplo/intel. 11166 10053 78541 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16238	6-4	1700	Tue	Russian diplo/intel. 11166 10053 78541 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	13378	6-4	1710	Tue	Russian diplo/intel. 11166 10053 78541 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13370	7-4	0200	Wed	Russian diplo/intel. Header: 11166 60146 00000 07034 02739	FSK 200/1000	(PY)
F06	11538	7-4	0210	Wed	Russian diplo/intel. Header: 11166 60146 00000 07034 02739	FSK 200/1000	(PY)
F06	10614	7-4	0221	Wed	Russian diplo/intel. Late start. Wrong shift. Undecodable	FSK 200/200	(PY)
F06	11563	7-4	0300	Wed	Russian diplo/intel. Header: 11166 60146 00000 07034 02739	FSK 200/1000	(PY)
F06	10216	7-4	0310	Wed	Russian diplo/intel. Header: 11166 60146 00000 07034 02739	FSK 200/1000	(PY)
F06	9417	7-4	0320	Wed	Russian diplo/intel. Header: 11166 60146 00000 07034 02739	FSK 200/1000	(PY)
F06	16325	7-4	0600	Wed	Russian diplo/intel. Header: 11166 40122 85361 03042 04769	FSK 200/1000	(AB-J)
F06	14724	7-4	0610	Wed	Russian diplo/intel. Header: 11166 40122 85361 03042 04769	FSK 200/1000	(AB-J)
F06	12172	7-4	0620	Wed	Russian diplo/intel. Header: 11166 40122 85361 03042 04769	FSK 200/1000	(AB-J)
F06	13427	7-4	0700	Wed	Russian diplo/intel. Header: 11166 70202 24863 06050 02539	FSK 200/1000	(AB-BLR)
F06	11054	7-4	0710	Wed	Russian diplo/intel. Header: 11166 70202 24863 06050 02539	FSK 200/1000	(AB)
F06	8189	7-4	0720	Wed	Russian diplo/intel. Header: 11166 70202 24863 06050 02539	FSK 200/1000	(AB)
F06	12146	7-4	1200	Wed	Russian diplo/intel. Header: 11166 70202 24863 06050 02539	FSK 200/1000	(AB/MPJ)
F06	10388	7-4	1210	Wed	Russian diplo/intel. Header: 11166 70202 24863 06050 02539	FSK 200/1000	(AB/MPJ)
F06	8084	7-4	1220	Wed	Russian diplo/intel. Header: 11166 70202 24863 06050 02539	FSK 200/1000	(AB/MPJ)
F06	13370	8-4	0200	Thu	Russian diplo/intel. Header: 11166 60146 00000 08035 02779	FSK 200/1000	(PY)
F06	11538	8-4	0210	Thu	Russian diplo/intel. Header: 11166 60146 00000 08035 02779	FSK 200/1000	(PY)
F06	10614	8-4	0221	Thu	Russian diplo/intel. Header: 11166 60146 00000 08035 02779	FSK 200/1000	(PY)
F06	11563	8-4	0300	Thu	Russian diplo/intel. Header: 11166 60146 00000 08035 02779	FSK 200/1000	(PY)
F06	10216	8-4	0310	Thu	Russian diplo/intel. Header: 11166 60146 00000 08035 02779	FSK 200/1000	(PY)
F06	9417	8-4	0320	Thu	Russian diplo/intel. Header: 11166 60146 00000 08035 02779	FSK 200/1000	(PY)
F06	16325	8-4	0600	Thu	Russian diplo/intel. Header: 11166 40122 85361 03042 04769	FSK 200/1000	(AB-J)
F06	14724	8-4	0610	Thu	Russian diplo/intel. Header: 11166 40122 85361 03042 04769	FSK 200/1000	(AB-J)
F06	12172	8-4	0620	Thu	Russian diplo/intel. Header: 11166 40122 85361 03042 04769	FSK 200/1000	(AB-J)
F06	13427	8-4	0700	Thu	Russian diplo/intel. Headers: 11166 70202 23587 07051 01799 and 11166 70202 48935 07052 01499	FSK 200/1000	(AB)
F06	11054	8-4	0710	Thu	Russian diplo/intel. Headers: 11166 70202 23587 07051 01799 and 11166 70202 48935 07052 01499	FSK 200/1000	(AB)
F06	8189	8-4	0720	Thu	Russian diplo/intel. Headers: 11166 70202 23587 07051 01799 and 11166 70202 48935 07052 01499	FSK 200/1000	(AB)
F06	12146	8-4	1200	Thu	Russian diplo/intel. Headers: 11166 70202 23587 07051 01799 and 11166 70202 48935 07052 01499	FSK 200/1000	(AB/MPJ)
F06	10388	8-4	1210	Thu	Russian diplo/intel. Headers: 11166 70202 23587 07051 01799 and 11166 70202 48935 07052 01499	FSK 200/1000	(AB/MPJ)
F06	8084	8-4	1220	Thu	Russian diplo/intel. Headers: 11166 70202 23587 07051 01799 and 11166 70202 48935 07052 01499	FSK 200/1000	(AB/MPJ)
F06	16351	8-4	1330	Thu	Russian diplo/intel. 11166 80214 21358 08056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14367	8-4	1340	Thu	Russian diplo/intel. 11166 80214 21358 08056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11483	8-4	1350	Thu	Russian diplo/intel. 11166 80214 21358 08056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13370	9-4	0200	Fri	Russian diplo/intel. Header: 11166 60146 00000 09036 02759	FSK 200/1000	(PY)
F06	11538	9-4	0210	Fri	Russian diplo/intel. Header: 11166 60146 00000 09036 02759	FSK 200/1000	(PY)

F06	10614	9-4	0221	Fri	Russian diplo/intel. Header: 11166 60146 00000 09036 02759 Txm came up abruptly already started into the message.	FSK 200/1000	(PY)
F06	11563	9-4	0300	Fri	Russian diplo/intel. Header: 11166 60146 00000 09036 02759	FSK 200/1000	(PY)
F06	10216	9-4	0310	Fri	Russian diplo/intel. Header: 11166 60146 00000 09036 02759	FSK 200/1000	(PY)
F06	9417	9-4	0320	Fri	Russian diplo/intel. Header: 11166 60146 00000 09036 02759	FSK 200/1000	(PY)
F06	13427	9-4	0700	Fri	Russian diplo/intel. 11166 70202 87451 09077 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11054	9-4	0710	Fri	Russian diplo/intel. 11166 70202 87451 09077 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8189	9-4	0720	Fri	Russian diplo/intel. 11166 70202 87451 09077 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18626	11-4	1530	Sun	Russian diplo/intel. 11166 10053 14789 11070 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16325	11-4	1540	Sun	Russian diplo/intel. 11166 10053 14789 11070 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13458	11-4	1550	Sun	Russian diplo/intel. 11166 10053 14789 11070 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13370	12-4	0200	Mon	Russian diplo/intel. Header: 11166 60146 00000 12037 03749	FSK 200/1000	(PY)
F06	11538	12-4	0210	Mon	Russian diplo/intel. Header: 11166 60146 00000 12037 03749	FSK 200/1000	(PY)
F06	10614	12-4	0221	Mon	Russian diplo/intel. Header: 11166 60146 00000 12037 03749	FSK 200/1000	(PY)
F06	11563	12-4	0300	Mon	Russian diplo/intel. Header: 11166 60146 00000 12037 03749	FSK 200/1000	(PY)
F06	10216	12-4	0310	Mon	Russian diplo/intel. Header: 11166 60146 00000 12037 03749	FSK 200/1000	(PY)
F06	9417	12-4	0320	Mon	Russian diplo/intel. Header: 11166 60146 00000 12037 03749	FSK 200/1000	(PY)
F06	13427	12-4	0700	Mon	Russian diplo/intel. Header: 11166 70202 69874 09053 02599	FSK 200/1000	(AB)
F06	11054	12-4	0710	Mon	Russian diplo/intel. Header: 11166 70202 69874 09053 02599	FSK 200/1000	(AB)
F06	8189	12-4	0720	Mon	Russian diplo/intel. Header: 11166 70202 69874 09053 02599	FSK 200/1000	(AB)
F06	12146	12-4	1200	Mon	Russian diplo/intel. Header: 11166 70202 69874 09053 02599	FSK 200/1000	(AB)
F06	10388	12-4	1210	Mon	Russian diplo/intel. Header: 11166 70202 69874 09053 02599	FSK 200/1000	(AB)
F06	8084	12-4	1220	Mon	Russian diplo/intel. Header: 11166 70202 69874 09053 02599	FSK 200/1000	(AB)
F06	9455	13-4	0030	Tue	Russian diplo/intel. 11166 60070 15973 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8131	13-4	0040	Tue	Russian diplo/intel. 11166 60070 15973 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7445	13-4	0050	Tue	Russian diplo/intel. 11166 60070 15973 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	13370	13-4	0200	Tue	Russian diplo/intel. Header: 11166 60146 00000 13038 03549	FSK 200/1000	(PY)
F06	11538	13-4	0210	Tue	Russian diplo/intel. Header: 11166 60146 00000 13038 03549	FSK 200/1000	(PY)
F06	10614	13-4	0221	Tue	Russian diplo/intel. Header: 11166 60146 00000 13038 03549	FSK 200/1000	(PY)
F06	11563	13-4	0300	Tue	Russian diplo/intel. Header: 11166 60146 00000 13038 03549	FSK 200/1000	(PY)
F06	10216	13-4	0310	Tue	Russian diplo/intel. Header: 11166 60146 00000 13038 03549	FSK 200/1000	(PY)
F06	9417	13-4	0320	Tue	Russian diplo/intel. Header: 11166 60146 00000 13038 03549	FSK 200/1000	(PY)
F06	13427	13-4	0700	Tue	Russian diplo/intel. Headers: 11166 70202 36985 12054 01639 and 11166 70202 35871 12055 01979	FSK 200/1000	(AB)
F06	11054	13-4	0710	Tue	Russian diplo/intel. Headers: 11166 70202 36985 12054 01639 and 11166 70202 35871 12055 01979	FSK 200/1000	(AB)
F06	8189	13-4	0720	Tue	Russian diplo/intel. Headers: 11166 70202 36985 12054 01639 and 11166 70202 35871 12055 01979	FSK 200/1000	(AB)
F06	12146	13-4	1200	Tue	Russian diplo/intel. Headers: 11166 70202 36985 12054 01639 and 11166 70202 35871 12055 01979	FSK 200/1000	(AB)
F06	10388	13-4	1210	Tue	Russian diplo/intel. Headers: 11166 70202 36985 12054 01639 and 11166 70202 35871 12055 01979	FSK 200/1000	(AB)
F06	8084	13-4	1220	Tue	Russian diplo/intel. Headers: 11166 70202 36985 12054 01639 and 11166 70202 35871 12055 01979	FSK 200/1000	(AB)
F06	18726	13-4	1650	Tue	Russian diplo/intel. 11166 10053 10873 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16238	13-4	1700	Tue	Russian diplo/intel. 11166 10053 10873 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	13378	13-4	1710	Tue	Russian diplo/intel. 11166 10053 10873 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13370	14-4	0200	Wed	Russian diplo/intel. Header: 11166 60146 00000 14039 02909	FSK 200/1000	(PY)
F06	11538	14-4	0210	Wed	Russian diplo/intel. Header: 11166 60146 00000 14039 02909	FSK 200/1000	(PY)
F06	10614	14-4	0221	Wed	Russian diplo/intel. No transmission	FSK 200/1000	(PY)
F06	11563	14-4	0300	Wed	Russian diplo/intel. Header: 11166 60146 00000 14039 02909	FSK 200/1000	(PY)
F06	10216	14-4	0310	Wed	Russian diplo/intel. Header: 11166 60146 00000 14039 02909	FSK 200/1000	(PY)
F06	9417	14-4	0320	Wed	Russian diplo/intel. Header: 11166 60146 00000 14039 02909	FSK 200/1000	(PY)

F06	16325	14-4	0600	Wed	Russian diplo/intel. Headers: 11166 40122 27859 10043 03109 and 11166 40122 71263 10044 02629	FSK 200/1000	(AB-KOR)
F06	14724	14-4	0610	Wed	Russian diplo/intel. Headers: 11166 40122 27859 10043 03109 and 11166 40122 71263 10044 02629	FSK 200/1000	(AB-KOR)
F06	12172	14-4	0620	Wed	Russian diplo/intel. Headers: 11166 40122 27859 10043 03109 and 11166 40122 71263 10044 02629	FSK 200/1000	(AB-J)
F06	13427	14-4	0700	Wed	Russian diplo/intel. Header: 11166 70202 63254 13056 02559	FSK 200/1000	(AB)
F06	11054	14-4	0710	Wed	Russian diplo/intel. Header: 11166 70202 63254 13056 02559	FSK 200/1000	(AB)
F06	8189	14-4	0720	Wed	Russian diplo/intel. Header: 11166 70202 63254 13056 02559	FSK 200/1000	(AB)
F06	16209	14-4	0800	Wed	Russian diplo/intel. Header: 11166 00052 78541 14082 01519	FSK 200/1000	(AB)
F06	14363	14-4	0810	Wed	Russian diplo/intel. Header: 11166 00052 78541 14082 01519	FSK 200/1000	(AB)
F06	12226	14-4	0820	Wed	Russian diplo/intel. Header: 11166 00052 78541 14082 01519	FSK 200/1000	(AB)
F06	12146	14-4	1200	Wed	Russian diplo/intel. Header: 11166 70202 63254 13056 02559	FSK 200/1000	(AB/MPJ)
F06	10388	14-4	1210	Wed	Russian diplo/intel. Header: 11166 70202 63254 13056 02559	FSK 200/1000	(AB/MPJ)
F06	8084	14-4	1220	Wed	Russian diplo/intel. Header: 11166 70202 63254 13056 02559	FSK 200/1000	(AB/MPJ)
F06	13370	15-4	0200	Thu	Russian diplo/intel. Header: 11166 60146 00000 15040 03119	FSK 200/1000	(PY)
F06	11538	15-4	0210	Thu	Russian diplo/intel. Header: 11166 60146 00000 15040 03119	FSK 200/1000	(PY)
F06	10614	15-4	0221	Thu	Russian diplo/intel. Header: 11166 60146 00000 15040 03119 Txm problems. Several short interruptions. Off 1t 0223z	FSK 200/1000	(PY)
F06	11563	15-4	0300	Thu	Russian diplo/intel. Header: 11166 60146 00000 15040 03119	FSK 200/1000	(PY)
F06	10216	15-4	0310	Thu	Russian diplo/intel. Header: 11166 60146 00000 15040 03119 Txm problems. Many short interruptions	FSK 200/1000	(PY)
F06	9417	15-4	0320	Thu	Russian diplo/intel. Header: 11166 60146 00000 15040 03119	FSK 200/1000	(PY)
F06	16325	15-4	0600	Thu	Russian diplo/intel. Headers: 11166 40122 27859 10043 03109 and 11166 40122 71263 10044 02629	FSK 200/1000	(AB-J)
F06	14724	15-4	0610	Thu	Russian diplo/intel. Headers: 11166 40122 27859 10043 03109 and 11166 40122 71263 10044 02629	FSK 200/1000	(AB-KOR)
F06	12172	15-4	0620	Thu	Russian diplo/intel. Headers: 11166 40122 27859 10043 03109 and 11166 40122 71263 10044 02629	FSK 200/1000	(AB-J)
F06	13427	15-4	0700	Thu	Russian diplo/intel. Headers: 11166 70202 80257 13057 01679 and 11166 70202 14963 13058 02039	FSK 200/1000	(AB)
F06	11054	15-4	0710	Thu	Russian diplo/intel. Headers: 11166 70202 80257 13057 01679 and 11166 70202 14963 13058 02039	FSK 200/1000	(AB)
F06	8189	15-4	0720	Thu	Russian diplo/intel. Headers: 11166 70202 80257 13057 01679 and 11166 70202 14963 13058 02039	FSK 200/1000	(AB)
F06	16209	15-4	0800	Thu	Russian diplo/intel. Header: 11166 00052 78541 14082 01519	FSK 200/1000	(AB)
F06	14363	15-4	0810	Thu	Russian diplo/intel. Header: 11166 00052 78541 14082 01519	FSK 200/1000	(AB)
F06	12226	15-4	0820	Thu	Russian diplo/intel. Header: 11166 00052 78541 14082 01519	FSK 200/1000	(AB)
F06	12146	15-4	1200	Thu	Russian diplo/intel. Headers: 11166 70202 80257 13057 01679 and 11166 70202 14963 13058 02039	FSK 200/1000	(AB)
F06	10388	15-4	1210	Thu	Russian diplo/intel. Headers: 11166 70202 80257 13057 01679 and 11166 70202 14963 13058 02039	FSK 200/1000	(AB)
F06	8084	15-4	1220	Thu	Russian diplo/intel. Headers: 11166 70202 80257 13057 01679 and 11166 70202 14963 13058 02039	FSK 200/1000	(AB)
F06	16351	15-4	1330	Thu	Russian diplo/intel. 11166 80214 16937 15052 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	14367	15-4	1340	Thu	Russian diplo/intel. 11166 80214 16937 15052 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	11483	15-4	1350	Thu	Russian diplo/intel. 11166 80214 16937 15052 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13370	16-4	0200	Fri	Russian diplo/intel. Header: 11166 60146 00000 16041 03479	FSK 200/1000	(PY)
F06	11538	16-4	0210	Fri	Russian diplo/intel. Header: 11166 60146 00000 16041 03479	FSK 200/1000	(PY)
F06	10614	16-4	0221	Fri	Russian diplo/intel. Header: 11166 60146 00000 16041 03479	FSK 200/1000	(PY)
F06	11563	16-4	0300	Fri	Russian diplo/intel. Header: 11166 60146 00000 16041 03479	FSK 200/1000	(PY)
F06	10216	16-4	0310	Fri	Russian diplo/intel. Header: 11166 60146 00000 16041 03479	FSK 200/1000	(PY)
F06	9417	16-4	0320	Fri	Russian diplo/intel. Header: 11166 60146 00000 16041 03479	FSK 200/1000	(PY)
F06	13427	16-4	0700	Fri	Russian diplo/intel. 11166 70202 56412 16032 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11054	16-4	0710	Fri	Russian diplo/intel. 11166 70202 56412 16032 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8189	16-4	0720	Fri	Russian diplo/intel. 11166 70202 56412 16032 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18626	18-4	1530	Sun	Russian diplo/intel. 11166 10053 78956 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	16325	18-4	1540	Sun	Russian diplo/intel. 11166 10053 78956 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13458	18-4	1550	Sun	Russian diplo/intel. 11166 10053 78956 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)

F06	13370	19-4	0200	Mon	Russian diplo/intel. Header: meta block #0 for a minuted followed by unfinished 11166 60146 00000 19042 03059 at 0207 UTC	FSK 200/1000	(PY)
F06	11538	19-4	0210	Mon	Russian diplo/intel. Header: 11166 60146 00000 19042 03059 sent twice	FSK 200/1000	(PY)
F06	10614	19-4	0220	Mon	Russian diplo/intel. Header: 11100 09501 00000 19042 03039 different from the messages at 0200 and 0210 UTC	FSK 200/1000	(PY)
F06	11563	19-4	0300	Mon	Russian diplo/intel. Header: 11166 60146 00000 19042 03059	FSK 200/1000	(PY)
F06	10216	19-4	0310	Mon	Russian diplo/intel. Header: 11166 60146 00000 19042 03059	FSK 200/1000	(PY)
F06	9417	19-4	0320	Mon	Russian diplo/intel. Header: 11166 60146 00000 19042 03059	FSK 200/1000	(PY)
F06	9473	19-4	0400	Mon	Russian diplo/intel. 11166 70059 10478 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7556	19-4	0410	Mon	Russian diplo/intel. 11166 70059 10478 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5471	19-4	0420	Mon	Russian diplo/intel. 11166 70059 10478 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13427	19-4	0700	Mon	Russian diplo/intel. Header: 11166 70202 39824 16059 02639	FSK 200/1000	(AB)
F06	11054	19-4	0710	Mon	Russian diplo/intel. Header: 11166 70202 39824 16059 02639	FSK 200/1000	(AB)
F06	8189	19-4	0720	Mon	Russian diplo/intel. Header: 11166 70202 39824 16059 02639	FSK 200/1000	(AB)
F06	12146	19-4	1200	Mon	Russian diplo/intel. Header: 11166 70202 39824 16059 02639	FSK 200/1000	(AB)
F06	10388	19-4	1210	Mon	Russian diplo/intel. Header: 11166 70202 39824 16059 02639	FSK 200/1000	(AB)
F06	8084	19-4	1220	Mon	Russian diplo/intel. Header: 11166 70202 39824 16059 02639	FSK 200/1000	(AB)
F06	9455	20-4	0030	Tue	Russian diplo/intel. Link 60070 null message	FSK 200/1000	(AB)
F06	8131	20-4	0040	Tue	Russian diplo/intel. Link 60070 null message	FSK 200/1000	(AB)
F06	7445	20-4	0050	Tue	Russian diplo/intel. Link 60070 null message	FSK 200/1000	(AB/RL)
F06	13370	20-4	0200	Tue	Russian diplo/intel. Header: 11166 60146 00000 20043 02779	FSK 200/1000	(PY)
F06	11538	20-4	0210	Tue	Russian diplo/intel. Header: 11166 60146 00000 20043 02779	FSK 200/1000	(PY)
F06	10614	20-4	0220	Tue	Russian diplo/intel. Header: 11166 60146 00000 20043 02779	FSK 200/1000	(PY)
F06	11563	20-4	0300	Tue	Russian diplo/intel. Header: 11166 60146 00000 20043 02779	FSK 200/1000	(PY)
F06	10216	20-4	0310	Tue	Russian diplo/intel. Header: 11166 60146 00000 20043 02779	FSK 200/1000	(PY)
F06	9417	20-4	0320	Tue	Russian diplo/intel. Header: 11166 60146 00000 20043 02779	FSK 200/1000	(PY)
F06	13427	20-4	0700	Tue	Russian diplo/intel. Headers: 11166 70202 32567 19060 01559 and 11166 70202 84769 19061 01759	FSK 200/1000	(AB)
F06	11054	20-4	0710	Tue	Russian diplo/intel. Headers: 11166 70202 32567 19060 01559 and 11166 70202 84769 19061 01759	FSK 200/1000	(AB)
F06	8189	20-4	0720	Tue	Russian diplo/intel. Headers: 11166 70202 32567 19060 01559 and 11166 70202 84769 19061 01759	FSK 200/1000	(AB)
F06	12146	20-4	1200	Tue	Russian diplo/intel. Headers: 11166 70202 32567 19060 01559 and 11166 70202 84769 19061 01759	FSK 200/1000	(AB)
F06	10388	20-4	1210	Tue	Russian diplo/intel. Headers: 11166 70202 32567 19060 01559 and 11166 70202 84769 19061 01759	FSK 200/1000	(AB)
F06	8084	20-4	1220	Tue	Russian diplo/intel. Headers: 11166 70202 32567 19060 01559 and 11166 70202 84769 19061 01759	FSK 200/1000	(AB)
F06	18726	20-4	1650	Tue	Russian diplo/intel. 11166 10053 15973 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	16238	20-4	1700	Tue	Russian diplo/intel. 11166 10053 15973 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	13378	20-4	1710	Tue	Russian diplo/intel. 11166 10053 15973 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14981	21-4	0200	Wed	Russian diplo/intel. 1 message, 38 blocks, damaged waveform	FSK 200/1000	(PY)
F06	13983	21-4	0210	Wed	Russian diplo/intel. 1 message, 38 blocks, damaged waveform	FSK 200/1000	(PY)
F06	13364	21-4	0220	Wed	Russian diplo/intel. 1 message, 38 blocks, damaged waveform	FSK 200/1000	(PY)
F06	13993	21-4	0300	Wed	Russian diplo/intel. Message, different from 0200/0210/0220z	FSK 200/1000	(PY)
F06	11648	21-4	0310	Wed	Russian diplo/intel. Message, different from 0200/0210/0220z	FSK 200/1000	(PY)
F06	10202	21-4	0320	Wed	Russian diplo/intel. Message, different from 0200/0210/0220z. Probable repeat of 0300z	FSK 200/1000	(PY)
F06	16325	21-4	0600	Wed	Russian diplo/intel. 11166 40122 12547 21071 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	14724	21-4	0610	Wed	Russian diplo/intel. 11166 40122 12547 21071 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	12172	21-4	0620	Wed	Russian diplo/intel. 11166 40122 12547 21071 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	13427	21-4	0700	Wed	Russian diplo/intel. Header: 11166 70202 25847 20062 02319	FSK 200/1000	(AB)
F06	11054	21-4	0710	Wed	Russian diplo/intel. Header: 11166 70202 25847 20062 02319	FSK 200/1000	(AB)
F06	8189	21-4	0720	Wed	Russian diplo/intel. Header: 11166 70202 25847 20062 02319	FSK 200/1000	(AB)
F06	12146	21-4	1200	Wed	Russian diplo/intel. Header: 11166 70202 25847 20062 02319	FSK 200/1000	(AB)

F06	10388	21-4	1210	Wed	Russian diplo/intel. Header: 11166 70202 25847 20062 02319	FSK 200/1000	(AB)
F06	8084	21-4	1220	Wed	Russian diplo/intel. Header: 11166 70202 25847 20062 02319	FSK 200/1000	(AB)
F06	14981	22-4	0200	Thu	Russian diplo/intel. Header: 11100 70103 78965 22015 02559 damaged waveform	FSK 200/1000	(PY)
F06	13983	22-4	0210	Thu	Russian diplo/intel. Header: 11100 70103 78965 22015 02559 damaged waveform	FSK 200/1000	(PY)
F06	13364	22-4	0220	Thu	Russian diplo/intel. Header: 11100 70103 78965 22015 02559. Starting on 13983 kHz, then 0221z off. Switched to 13364 kHz at 0222z. Damaged waveform	FSK 200/1000	(PY)
F06	13993	22-4	0300	Thu	Russian diplo/intel. Header: 11100 70103 24687 22016 02569 damaged waveform	FSK 200/1000	(PY)
F06	11648	22-4	0310	Thu	Russian diplo/intel. No transmission		(PY)
F06	10202	22-4	0320	Thu	Russian diplo/intel. Header: 11100 70103 24687 22016 02569 damaged waveform	FSK 200/1000	(PY)
F06	13364	22-4	0400	Thu	Russian diplo/intel. 1 message, 38 blocks, different from 0200/0210/0220z and 0300/0310/0320z, damaged waveform. No 10-minute repeat spotted	FSK 200/1000	(PY)
F06	13364	22-4	0500	Thu	Russian diplo/intel. 1 message, 38 blocks, different from 0200/0210/0220z, 0300/0310/0320z and 0400z, damaged waveform. No 10-minute repeat spotted	FSK 200/1000	(PY)
F06	13427	22-4	0700	Thu	Russian diplo/intel. Headers: 11166 70202 24873 28069 02499 and 11166 70202 24685 28070 01219	FSK 200/1000	(AB)
F06	13427	22-4	0700	Thu	Russian diplo/intel. Headers: 11166 70202 87512 21063 01739 and 11166 70202 32697 21064 01839	FSK 200/1000	(AB)
F06	11054	22-4	0710	Thu	Russian diplo/intel. Headers: 11166 70202 87512 21063 01739 and 11166 70202 32697 21064 01839	FSK 200/1000	(AB)
F06	11054	22-4	0710	Thu	Russian diplo/intel. Headers: 11166 70202 24873 28069 02499 and 11166 70202 24685 28070 01219	FSK 200/1000	(AB)
F06	8189	22-4	0720	Thu	Russian diplo/intel. Headers: 11166 70202 24873 28069 02499 and 11166 70202 24685 28070 01219	FSK 200/1000	(AB)
F06	8189	22-4	0720	Thu	Russian diplo/intel. Headers: 11166 70202 87512 21063 01739 and 11166 70202 32697 21064 01839	FSK 200/1000	(AB)
F06	12146	22-4	1200	Thu	Russian diplo/intel. Headers: 11166 70202 87512 21063 01739 and 11166 70202 32697 21064 01839	FSK 200/1000	(AB)
F06	10388	22-4	1210	Thu	Russian diplo/intel. Headers: 11166 70202 87512 21063 01739 and 11166 70202 32697 21064 01839	FSK 200/1000	(AB)
F06	8084	22-4	1220	Thu	Russian diplo/intel. Headers: 11166 70202 87512 21063 01739 and 11166 70202 32697 21064 01839	FSK 200/1000	(AB)
F06	16351	22-4	1330	Thu	Russian diplo/intel. 11166 80214 23651 22035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14367	22-4	1340	Thu	Russian diplo/intel. 11166 80214 23651 22035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11483	22-4	1350	Thu	Russian diplo/intel. 11166 80214 23651 22035 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14981	23-4	0200	Fri	Russian diplo/intel. Header: 11100 70103 97564 23025 02559	FSK 200/1000	(PY)
F06	13983	23-4	0210	Fri	Russian diplo/intel. Header: 11100 70103 97564 23025 02559, damaged waveform	FSK 200/1000	(PY)
F06	13364	23-4	0220	Fri	Russian diplo/intel. Header: 11100 70103 97564 23025 02559	FSK 200/1000	(PY)
F06	13364	23-4	0410	Fri	Russian diplo/intel. Header: 11100 70103 12567 23027 02579	FSK 200/1000	(PY)
F06	13427	23-4	0700	Fri	Russian diplo/intel. 11166 70202 18352 23013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11054	23-4	0710	Fri	Russian diplo/intel. 11166 70202 18352 23013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8189	23-4	0720	Fri	Russian diplo/intel. 11166 70202 18352 23013 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18626	25-4	1530	Sun	Russian diplo/intel. 11166 10053 15963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL/MPJ)
F06	16325	25-4	1540	Sun	Russian diplo/intel. 11166 10053 15963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13458	25-4	1550	Sun	Russian diplo/intel. 11166 10053 15963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13370	26-4	0200	Mon	Russian diplo/intel. Header: 11166 60146 00000 26044 03053 wrong shift	FSK 200/500	(PY)
F06	11538	26-4	0210	Mon	Russian diplo/intel. Header: 11166 60146 00000 26044 03053 wrong shift	FSK 200/500	(PY)
F06	10614	26-4	0220	Mon	Russian diplo/intel. Header: 11166 60146 00000 26044 03053 wrong shift	FSK 200/500	(PY)
F06	11563	26-4	0300	Mon	Russian diplo/intel. Header: 11166 60146 00000 26044 03053 wrong shift	FSK 200/500	(PY)
F06	10216	26-4	0310	Mon	Russian diplo/intel. Header: 11166 60146 00000 26044 03053	FSK 200/1000	(PY)
F06	9417	26-4	0320	Mon	Russian diplo/intel. Header: 11166 60146 00000 26044 03053	FSK 200/1000	(PY)
F06	13427	26-4	0700	Mon	Russian diplo/intel. Header: 11166 70202 32564 23065 02379	FSK 200/1000	(AB)
F06	11054	26-4	0710	Mon	Russian diplo/intel. Header: 11166 70202 32564 23065 02379	FSK 200/1000	(AB)
F06	8189	26-4	0720	Mon	Russian diplo/intel. Header: 11166 70202 32564 23065 02379	FSK 200/1000	(AB)
F06	12146	26-4	1200	Mon	Russian diplo/intel. Header: 11166 70202 32564 23065 02379	FSK 200/1000	(AB/MPJ-HOL)
F06	10388	26-4	1210	Mon	Russian diplo/intel. Header: 11166 70202 32564 23065 02379	FSK 200/1000	(AB/MPJ-HOL)
F06	8084	26-4	1220	Mon	Russian diplo/intel. Header: 11166 70202 32564 23065 02379	FSK 200/1000	(AB/MPJ-HOL)

F06	13370	27-4	0200	Tue	Russian diplo/intel. Header: 11166 60146 00000 27045 04043	FSK 200/1000	(PY)
F06	11538	27-4	0210	Tue	Russian diplo/intel. Header: 11166 60146 00000 27045 04043	FSK 200/1000	(PY)
F06	10614	27-4	0220	Tue	Russian diplo/intel. Header: 11166 60146 00000 27045 04043	FSK 200/1000	(PY)
F06	11563	27-4	0300	Tue	Russian diplo/intel. Header: 11166 60146 00000 27045 04043	FSK 200/1000	(PY)
F06	10216	27-4	0310	Tue	Russian diplo/intel. Header: 11166 60146 00000 27045 04043	FSK 200/1000	(PY)
F06	9417	27-4	0320	Tue	Russian diplo/intel. Header: 11166 60146 00000 27045 04043	FSK 200/1000	(PY)
F06	13427	27-4	0700	Tue	Russian diplo/intel. Headers: 11166 70202 94631 26066 01539 and 11166 70202 59428 26067 01779	FSK 200/1000	(AB)
F06	11054	27-4	0710	Tue	Russian diplo/intel. Headers: 11166 70202 94631 26066 01539 and 11166 70202 59428 26067 01779	FSK 200/1000	(AB)
F06	8189	27-4	0720	Tue	Russian diplo/intel. Headers: 11166 70202 94631 26066 01539 and 11166 70202 59428 26067 01779	FSK 200/1000	(AB)
F06	12146	27-4	1200	Tue	Russian diplo/intel. Headers: 11166 70202 94631 26066 01539 and 11166 70202 59428 26067 01779	FSK 200/1000	(AB)
F06	10388	27-4	1210	Tue	Russian diplo/intel. Headers: 11166 70202 94631 26066 01539 and 11166 70202 59428 26067 01779	FSK 200/1000	(AB)
F06	8084	27-4	1220	Tue	Russian diplo/intel. Headers: 11166 70202 94631 26066 01539 and 11166 70202 59428 26067 01779	FSK 200/1000	(AB)
F06	18726	27-4	1650	Tue	Russian diplo/intel. 11166 10053 78451 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ)
F06	16238	27-4	1700	Tue	Russian diplo/intel. 11166 10053 78451 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13378	27-4	1710	Tue	Russian diplo/intel. 11166 10053 78451 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13370	28-4	0200	Wed	Russian diplo/intel. Header: 11166 60146 00000 28046 03059	FSK 200/1000	(PY)
F06	11538	28-4	0210	Wed	Russian diplo/intel. Header: 11166 60146 00000 28046 03059	FSK 200/1000	(PY)
F06	10614	28-4	0220	Wed	Russian diplo/intel. Header: 11166 60146 00000 28046 03059	FSK 200/1000	(PY)
F06	11563	28-4	0300	Wed	Russian diplo/intel. Header: 11166 60146 00000 28046 03059	FSK 200/1000	(PY)
F06	10216	28-4	0310	Wed	Russian diplo/intel. Header: 11166 60146 00000 28046 03059	FSK 200/1000	(PY)
F06	9417	28-4	0320	Wed	Russian diplo/intel. Header: 11166 60146 00000 28046 03059	FSK 200/1000	(PY)
F06	16325	28-4	0600	Wed	Russian diplo/intel. 11166 40122 98654 24045 03349	FSK 200/1000	(AB-RUS)
F06	14724	28-4	0610	Wed	Russian diplo/intel. 11166 40122 98654 24045 03349	FSK 200/1000	(AB-RUS)
F06	12172	28-4	0620	Wed	Russian diplo/intel. 11166 40122 98654 24045 03349	FSK 200/1000	(AB-J)
F06	13427	28-4	0700	Wed	Russian diplo/intel. Header: 11166 70202 64587 27068 02559	FSK 200/1000	(AB)
F06	11054	28-4	0710	Wed	Russian diplo/intel. Header: 11166 70202 64587 27068 02559	FSK 200/1000	(AB)
F06	8189	28-4	0720	Wed	Russian diplo/intel. Header: 11166 70202 64587 27068 02559	FSK 200/1000	(AB)
F06	16209	28-4	0800	Wed	Russian diplo/intel. Header: 11166 00052 15973 28083 01599	FSK 200/1000	(AB)
F06	14363	28-4	0810	Wed	Russian diplo/intel. Header: 11166 00052 15973 28083 01599	FSK 200/1000	(AB)
F06	12226	28-4	0820	Wed	Russian diplo/intel. Header: 11166 00052 15973 28083 01599	FSK 200/1000	(AB)
F06	12146	28-4	1200	Wed	Russian diplo/intel. Header: 11166 70202 64587 27068 02559	FSK 200/1000	(AB)
F06	10388	28-4	1210	Wed	Russian diplo/intel. Header: 11166 70202 64587 27068 02559	FSK 200/1000	(AB)
F06	8084	28-4	1220	Wed	Russian diplo/intel. Header: 11166 70202 64587 27068 02559	FSK 200/1000	(AB)
F06	13370	29-4	0200	Thu	Russian diplo/intel. Header: 11166 60146 00000 29047 02699	FSK 200/1000	(PY)
F06	11538	29-4	0210	Thu	Russian diplo/intel. Header: 11166 60146 00000 29047 02699	FSK 200/1000	(PY)
F06	10614	29-4	0220	Thu	Russian diplo/intel. Header: 11166 60146 00000 29047 02699	FSK 200/1000	(PY)
F06	11563	29-4	0300	Thu	Russian diplo/intel. Header: 11166 60146 00000 29047 02699	FSK 200/1000	(PY)
F06	10216	29-4	0310	Thu	Russian diplo/intel. Header: 11166 60146 00000 29047 02699	FSK 200/1000	(PY)
F06	9417	29-4	0320	Thu	Russian diplo/intel. Header: 11166 60146 00000 29047 02699	FSK 200/1000	(PY)
F06	16209	29-4	0800	Thu	Russian diplo/intel. Header: 11166 00052 15973 28083 01599	FSK 200/1000	(AB)
F06	14363	29-4	0810	Thu	Russian diplo/intel. Header: 11166 00052 15973 28083 01599	FSK 200/1000	(AB)
F06	12226	29-4	0820	Thu	Russian diplo/intel. Header: 11166 00052 15973 28083 01599	FSK 200/1000	(AB)
F06	12146	29-4	1200	Thu	Russian diplo/intel. Headers: 11166 70202 24873 28069 02499 and 11166 70202 24685 28070 01219	FSK 200/1000	(AB/MPJ)
F06	10388	29-4	1210	Thu	Russian diplo/intel. Headers: 11166 70202 24873 28069 02499 and 11166 70202 24685 28070 01219	FSK 200/1000	(AB/MPJ)
F06	8084	29-4	1220	Thu	Russian diplo/intel. Headers: 11166 70202 24873 28069 02499 and 11166 70202 24685 28070 01219	FSK 200/1000	(AB/MPJ)
F06	16351	29-4	1330	Thu	Russian diplo/intel. 11166 80214 34568 29024 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14367	29-4	1340	Thu	Russian diplo/intel. 11166 80214 34568 29024 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	11483	29-4	1350	Thu	Russian diplo/intel. 11166 80214 34568 29024 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13370	30-4	0200	Fri	Russian diplo/intel. Header: 11166 60146 00000 30048 02969, no retuning after EOM	FSK 200/1000	(PY)
F06	13370	30-4	0210	Fri	Russian diplo/intel. Header: 11166 60146 00000 30048 02969, until abruptly cut off at 0212z	FSK 200/1000	(PY)
F06	11538	30-4	0217	Fri	Russian diplo/intel. Header: 11166 60146 00000 30048 02969, retuning to proper frequency took them 5 minutes	FSK 200/1000	(PY)
F06	10614	30-4	0220	Fri	Russian diplo/intel. Header: 11166 60146 00000 30048 02969	FSK 200/1000	(PY)
F06	11563	30-4	0300	Fri	Russian diplo/intel. Header: 11166 60146 00000 30048 02969	FSK 200/1000	(PY)
F06	10216	30-4	0310	Fri	Russian diplo/intel. Header: 11166 60146 00000 30048 02969	FSK 200/1000	(PY)
F06	9417	30-4	0320	Fri	Russian diplo/intel. Header: 11166 60146 00000 30048 02969	FSK 200/1000	(PY)
F06	13427	30-4	0700	Fri	Russian diplo/intel. 11166 70202 35687 30015 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11054	30-4	0710	Fri	Russian diplo/intel. 11166 70202 35687 30015 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8189	30-4	0720	Fri	Russian diplo/intel. 11166 70202 35687 30015 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06a	7425	1-4	0400	Thu	Russian diplo/intel. File 04468 (1216 bytes)	FSK 200/1000	(AB)
F06a	6823	1-4	0415	Thu	Russian diplo/intel. File 04468 (1216 bytes)	FSK 200/1000	(AB)
F06a	5350	1-4	0430	Thu	Russian diplo/intel. File 04468 (1216 bytes)	FSK 200/1000	(AB)
F06a	7425	2-4	0400	Fri	Russian diplo/intel. File 04468 (1216 bytes)	FSK 200/1000	(AB)
F06a	6823	2-4	0415	Fri	Russian diplo/intel. File 04468 (1216 bytes)	FSK 200/1000	(AB)
F06a	5350	2-4	0430	Fri	Russian diplo/intel. File 04468 (1216 bytes)	FSK 200/1000	(AB)
F06a	19417	3-4	2100	Sat	Russian diplo/intel. File 04462 (816 bytes)	FSK 200/1000	(AB-RUS)
F06a	16286	3-4	2115	Sat	Russian diplo/intel. File 04462 (816 bytes)	FSK 200/1000	(AB-RUS)
F06a	14984	3-4	2130	Sat	Russian diplo/intel. File 04462 (816 bytes)	FSK 200/1000	(AB-RUS)
F06a	19417	4-4	2100	Sun	Russian diplo/intel. File 04462 (816 bytes)	FSK 200/1000	(AB-RUS)
F06a	16286	4-4	2115	Sun	Russian diplo/intel. File 04462 (816 bytes)	FSK 200/1000	(AB-RUS)
F06a	14984	4-4	2130	Sun	Russian diplo/intel. File 04462 (816 bytes)	FSK 200/1000	(AB-RUS)
F06a	7425	8-4	0400	Thu	Russian diplo/intel. File 04469 (1360 bytes)	FSK 200/1000	(AB)
F06a	6823	8-4	0415	Thu	Russian diplo/intel. File 04469 (1360 bytes)	FSK 200/1000	(AB)
F06a	5350	8-4	0430	Thu	Russian diplo/intel. File 04469 (1360 bytes)	FSK 200/1000	(AB)
F06a	7425	9-4	0400	Fri	Russian diplo/intel. File 04469 (1360 bytes)	FSK 200/1000	(AB)
F06a	6823	9-4	0415	Fri	Russian diplo/intel. File 04469 (1360 bytes)	FSK 200/1000	(AB)
F06a	5350	9-4	0430	Fri	Russian diplo/intel. File 04469 (1360 bytes)	FSK 200/1000	(AB)
F06a	19417	10-4	2100	Sat	Russian diplo/intel. File 04463 (1024 bytes)	FSK 200/1000	(AB-RUS)
F06a	16286	10-4	2115	Sat	Russian diplo/intel. File 04463 (1024 bytes)	FSK 200/1000	(AB-RUS)
F06a	14984	10-4	2130	Sat	Russian diplo/intel. File 04463 (1024 bytes)	FSK 200/1000	(AB-RUS)
F06a	19417	11-4	2100	Sun	Russian diplo/intel. File 04463 (1024 bytes)	FSK 200/1000	(AB-RUS)
F06a	16286	11-4	2115	Sun	Russian diplo/intel. File 04463 (1024 bytes)	FSK 200/1000	(AB-RUS)
F06a	14984	11-4	2130	Sun	Russian diplo/intel. File 04463 (1024 bytes)	FSK 200/1000	(AB-RUS)
F06a	7425	15-4	0400	Thu	Russian diplo/intel. File 04470 (1488 bytes)	FSK 200/1000	(AB)
F06a	6823	15-4	0415	Thu	Russian diplo/intel. File 04470 (1488 bytes)	FSK 200/1000	(AB)
F06a	5350	15-4	0430	Thu	Russian diplo/intel. File 04470 (1488 bytes)	FSK 200/1000	(AB)
F06a	7425	16-4	0400	Fri	Russian diplo/intel. File 04470 (1488 bytes)	FSK 200/1000	(AB)
F06a	6823	16-4	0415	Fri	Russian diplo/intel. File 04470 (1488 bytes)	FSK 200/1000	(AB)
F06a	5350	16-4	0430	Fri	Russian diplo/intel. File 04470 (1488 bytes)	FSK 200/1000	(AB)
F06a	19417	17-4	2100	Sat	Russian diplo/intel. File 04464 (1088 bytes)	FSK 200/1000	(AB-RUS)
F06a	16286	17-4	2115	Sat	Russian diplo/intel. File 04464 (1088 bytes)	FSK 200/1000	(AB-RUS)
F06a	14984	17-4	2130	Sat	Russian diplo/intel. File 04464 (1088 bytes)	FSK 200/1000	(AB-RUS)
F06a	19417	18-4	2100	Sun	Russian diplo/intel. File 04464 (1088 bytes)	FSK 200/1000	(AB-RUS)
F06a	16286	18-4	2115	Sun	Russian diplo/intel. File 04464 (1088 bytes)	FSK 200/1000	(AB-RUS)
F06a	14984	18-4	2130	Sun	Russian diplo/intel. File 04464 (1088 bytes)	FSK 200/1000	(AB-RUS)

F06a	7425	22-4	0400	Thu	Russian diplo/intel. File 04471 (1344 bytes)	FSK 200/1000	(AB)
F06a	6823	22-4	0415	Thu	Russian diplo/intel. File 04471 (1344 bytes)	FSK 200/1000	(AB)
F06a	5350	22-4	0430	Thu	Russian diplo/intel. File 04471 (1344 bytes)	FSK 200/1000	(AB)
F06a	12211	22-4	0930	Thu	Russian diplo/intel. File 44403 (832 bytes) Header: 44400 00608 21547 22003 00009	FSK 200/1000	(AB)
F06a	7425	23-4	0400	Fri	Russian diplo/intel. File 04471 (1344 bytes)	FSK 200/1000	(AB)
F06a	6823	23-4	0415	Fri	Russian diplo/intel. File 04471 (1344 bytes)	FSK 200/1000	(AB)
F06a	5350	23-4	0430	Fri	Russian diplo/intel. File 04471 (1344 bytes)	FSK 200/1000	(AB)
F06a	19417	24-4	2100	Sat	Russian diplo/intel. File 04465 (912 bytes)	FSK 200/1000	(AB-RUS)
F06a	16286	24-4	2115	Sat	Russian diplo/intel. File 04465 (912 bytes)	FSK 200/1000	(AB-RUS)
F06a	14984	24-4	2130	Sat	Russian diplo/intel. File 04465 (912 bytes)	FSK 200/1000	(AB-RUS)
F06a	19417	25-4	2100	Sun	Russian diplo/intel. File 04465 (912 bytes)	FSK 200/1000	(AB-RUS)
F06a	16286	25-4	2115	Sun	Russian diplo/intel. File 04465 (912 bytes)	FSK 200/1000	(AB-RUS)
F06a	14984	25-4	2130	Sun	Russian diplo/intel. File 04465 (912 bytes)	FSK 200/1000	(AB-RUS)
F06a	7425	29-4	0400	Thu	Russian diplo/intel. File 04472 (1120 bytes)	FSK 200/1000	(AB)
F06a	6823	29-4	0415	Thu	Russian diplo/intel. File 04472 (1120 bytes)	FSK 200/1000	(AB)
F06a	5350	29-4	0430	Thu	Russian diplo/intel. File 04472 (1120 bytes)	FSK 200/1000	(AB)
F06a	7425	30-4	0400	Fri	Russian diplo/intel. File 04472 (1120 bytes)	FSK 200/1000	(AB)
F06a	6823	30-4	0415	Fri	Russian diplo/intel. File 04472 (1120 bytes)	FSK 200/1000	(AB)
F06a	5350	30-4	0430	Fri	Russian diplo/intel. File 04472 (1120 bytes)	FSK 200/1000	(AB)
HM01	11435	1-4	1555	Thu	Carrier only	AM/RDFT	(AB-USA)
HM01	11530	1-4	1658	Thu	Carrier till 1731 UTC, then "Dos" repeated for two minutes. At 1733 UTC 05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(AB-USA/RR2)
HM01	16180	1-4	2059	Thu	05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(RL)
HM01	17480	1-4	2200	Thu	05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(Dan)
HM01	11435	2-4	1558	Fri	05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(AB-USA/RR2)
HM01	11435	3-4	1614	Sat	i.p. 05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(AB-USA/RR2)
HM01	9330	4-4	0735	Sun	i.p. 05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(AB-USA)
HM01	11435	4-4	1630	Sun	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	9065	5-4	0815	Mon	Late start 05026á06636á02237á56481á50743á24565 (repeat of 22 March) Strong carrier. Audio on and off	AM/RDFT	(AB-USA)
HM01	11435	5-4	1600	Mon	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	11435	6-4	1630	Tue	05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	17480	6-4	2159	Tue	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RL)
HM01	11435	7-4	1558	Wed	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(AB-USA/RR2)
HM01	11435	8-4	1558	Thu	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(AB-USA/RR2)
HM01	11435	9-4	1558	Fri	05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(AB-USA)
HM01	11435	9-4	1630	Fri	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	11435	10-4	1630	Sat	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	11530	10-4	1728	Sat	05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(AB-USA)
HM01	9330	11-4	0658	Sun	05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(AB)
HM01	11530	11-4	1558	Sun	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	11435	11-4	1630	Sun	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	11435	12-4	1558	Mon	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(AB-USA)
HM01	11435	12-4	1630	Mon	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	11435	13-4	1600	Tue	05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	17480	13-4	2200	Tue	05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(Dan)
HM01	9330	14-4	0728	Wed	05026á06636á02237á56481á50743á24565 (repeat of 22 March)	AM/RDFT	(AB)
HM01	11435	14-4	1558	Wed	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)

HM01	11435	15-4	1557	Thu	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(AB-USA/RR2)
HM01	11435	16-4	1558	Fri	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(AB-USA)
HM01	11530	16-4	1658	Fri	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	11435	17-4	1600	Sat	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	11530	17-4	1728	Sat	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(AB-USA)
HM01	9330	18-4	0658	Sun	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(AB)
HM01	11530	18-4	1700	Sun	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	11635	18-4	1838	Sun	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	11435	19-4	1600	Mon	05026 06636 02237 56481 50743 24565 (repeat of 22 March)	AM/RDFT	(RR2)
HM01	11435	20-4	1630	Tue	44851 21388 51141 88772 83175 04049	AM/RDFT	(RR2)
HM01	11635	20-4	1758	Tue	44851 21388 51141 88772 83175 04049 Files 05274485.TXT 36062138.F1G 00235114.TXT 20048877.TXT 36058317.F1G 73080404.TXT	AM/RDFT	(AB-USA)
HM01	9330	21-4	0728	Wed	Carrier only	AM/RDFT	(AB-USA)
HM01	9064	21-4	0758	Wed	Carrier only	AM/RDFT	(AB-USA)
HM01	11435	21-4	1555	Wed	Radio Habana Cuba followed by 44851 21389 51142 88773 83176 77451 Files 05274485.TXT 36062138.F1G 00235114.TXT 20048877.TXT 36058317.F1G 68547745.TXT	AM/RDFT	(AB-USA/RR2)
HM01	11435	22-4	1558	Thu	44852 40011 51143 88774 83177 77451 Files 05274485.TXT 20884001.TXT 00235114.TXT 20048877.TXT 36058317.F1G 68547745.TXT	AM/RDFT	(AB-USA/RR2)
HM01	16180	22-4	2057	Thu	44852 40011 51143 88774 83177 7745	AM/RDFT	(RL)
HM01	11435	23-4	1557	Fri	44853 40011 51144 88775 83178 77452	AM/RDFT	(RR2)
HM01	11530	23-4	1658	Fri	44853 40011 51144 88775 83178 77452 Files 05274485.TXT 20884001.TXT 00235114.TXT 20048877.TXT 36058317.F1G 68547745.TXT	AM/RDFT	(AB-USA)
HM01	11435	24-4	1605	Sat	66012 17241 10803 16171 10125 67090 Files 50416601.F1C 20511724.TXT 46251080.TXT 01041617.TXT 74061012.TXT 57856709.TXT	AM/RDFT	(AB-USA)
HM01	16180	24-4	2105	Sat	late start, carrier only, then hum, finally audio, Spanish callup 44854 40012 51145 88776 83189 77453	AM/RDFT	(RR2/HS)
HM01	10345	25-4	0558	Sun	44854 40012 51145 88776 83179 77453 (repeat of 24 April) extremely noisy transmitter	AM/RDFT	(AB)
HM01	9330	25-4	0658	Sun	44854 40012 51145 88776 83179 77453 (repeat of 24 April) extremely noisy transmitter	AM/RDFT	(AB)
HM01	11530	25-4	1658	Sun	44855 40013 51146 88777 33611 77454 Files 05274485.TXT 20884001.TXT 00235114.TXT 20048877.TXT 36443361.F1G 68547745.TXT	AM/RDFT	(AB-USA/RR2)
HM01	17480	25-4	2200	Sun	Carrier only		(Dan)
HM01	11435	26-4	1556	Mon	44856 40014 51147 88778 33611 77455 Files 05274485.TXT 20884001.TXT 00235114.TXT 20048877.TXT 36443361.F1G 68547745.TXT	AM/RDFT	(AB-USA/RR2)
HM01	11635	27-4	0800	Tue	44856 40014 51147 88778 33611 77455	AM/RDFT	(AB)
HM01	11435	27-4	1558	Tue	44857 40015 51148 88779 33612 77456 Files 05274485.TXT 20884001.TXT 00235114.TXT 20048877.TXT 36443361.F1G 68547745.TXT	AM/RDFT	(AB-USA/RR2)
HM01	11435	28-4	1558	Wed	44857 40015 51148 88779 33612 77456 *repeat of 27 April)	AM/RDFT	(AB-USA/RR2)
HM01	10715	28-4	2158	Wed	44858 40016 44161 71861 33613 77457	AM/RDFT	(RR2)
HM01	11462	29-4	0858	Thu	44858 40016 44161 71861 33613 77457 (repeat of 28 April)	AM/RDFT	(AB-USA)
HM01	11435	29-4	1601	Thu	47731 40017 44161 71861 33614 77458 Files 13114773.TXT 20884001.TXT 54414416.TXT 61107186.TXT 36443361.F1G 68547745.TXT	AM/RDFT	(AB-USA/RR2)
HM01	11435	30-4	1558	Fri	47731 88341 44162 71862 33615 77459 Files 13114773.TXT 24608834.TXT 54414416.TXT 61107186.TXT 36443361.F1G 68547745.TXT	AM/RDFT	(AB-USA/RR2)
kHz	13364.5	21-4	0231	Wed	Russian diplo/intel. Using unidentified modulation, presumably short test. Carrier off at 0232 UTZ		(PY)
M01	5475	1-4	1800	Thu	463 420 420 30 30 = = 15063 08858 16391 ... 29512 30125 10797 420 420 30 30 000	CW	(AB/MPJ)
M01	5020	1-4	2000	Thu	463 270 270 30 30 = = 47845 03101 88757 ... 92796 48588 15119 = = 270 270 30 30 000	CW	(AB)
M01	6260	3-4	1500	Sat	463 345 345 30 30 = = 23213 52310 64890 ... 24159 54980 88257 = = 345 345 30 30 000	USB	(AB/MPJ-POL/HFD)
M01	6510	4-4	0659	Sun	463 985 985 30 30 = = 99688 1478214 782 87505 ... 68465 36252 24447 = = 985 985 30 30 000 Errors	CW	(AB)

M01	5475	6-4	1800	Tue	463 362 362 30 30 = = 44256 89454 47362 ... 67504 98141 99522 = = 362 362 30 30 000	CW	(AB)
M01	5475	8-4	1800	Thu	463 724 724 30 30 80866 84818 46433 ... 35196 50519 44818 724 724 30 30 000	CW	(AB/MPJ)
M01	5260	10-4	1500	Sat	i.p. 26882 75614 02343 ... 55422 32200 03326 = = 517 517 30 30 000. Normally on 6260 kHz	USB	(AB-FIN)
M01	6510	11-4	0658	Sun	463 565 565 30 30 = = 16139 49772 61952 ... 53439 98489 82675 = = 565 565 30 30 000	CW	(AB)
M01	5475	13-4	1800	Tue	463 293 293 30 30 = = 03724 71743 33571 ... 05457 55877 50275 = = 293 293 30 30 000	CW	(AB)
M01	5475	15-4	1800	Thu	463 353 353 30 30 = = 41089 21355 67173 ... 46647 76937 50492 = = 353 353 30 30 000	CW	(AB/MPJ)
M01	5020	15-4	2000	Thu	463 336 336 30 30 47548 04350 49130 ... 16929 71738 10073 = = 336 336 30 30 000	CW	(AB)
M01	6260	17-4	1500	Sat	463 444 444 30 30 = = 55937 46707 54083 ... 99409 25113 60900 = = 444 4444 30 30 000	USB	(AB/MPJ)
M01	6510	18-4	0658	Sun	463 353 353 30 30 = = 49505 08205 33172 ... 15360 23974 96136 = = 353 353 30 30 000	CW	(AB)
M01	5475	20-4	1800	Tue	463 529 529 30 30 = = 10113 18653 96745 ... 07125 80976 45268 = = 529 529 30 30 000	CW	(AB/MPJ)
M01	5020	20-4	2000	Tue	463 571 571 30 30 = = 53383 76776 27443 ... 81351 94633 25197 = = 571 571 30 30 000	CW	(AB)
M01	5475	22-4	1800	Thu	463 318 318 30 30 = = 90251 91173 85044 ... 66880 94856 21761 = = 318 318 30 30 000	CW	(AB/MPJ)
M01	5020	22-4	1958	Thu	463 337 337 30 30 = = 33876 97231 45596 ... 22650 98281 32711 = = 337 337 30 30 000	CW	(AB)
M01	6260	24-4	1500	Sat	463 811 811 30 30 = = 30445 90383 96383 ... 34493 89422 62802 = = 811 811 30 30 000	USB	(AB)
M01	6510	25-4	0700	Sun	463 824 824 30 30 = = 09000066 09066 58607 48094 ... 14092 48837 57688 = = 824 824 30 30 000	CW	(AB)
M01	5475	27-4	1800	Tue	463 192 192 30 30 = = 90095 91369 71626 ... 23627 47184 77897 = = 192 192 30 30 000	CW	(AB/MPJ)
M01	5020	27-4	2000	Tue	463 163 163 30 30 = = 85520 32605 46690 ... 80402 85636 64069 = = 163 163 30 30 000	CW	(AB)
M01	5475	29-4	1800	Thu	463 834 834 30 30 = = 21932 27574 31143 ... 30001 25946 64812 = = 834 834 30 30 000	CW	(AB/MPJ)
M01	5020	29-4	2000	Thu	463 021 021 30 30 = = 16496 34559 48826 ... 26257 21327 231327 80105 = = 021 021 30 30 000	CW	(AB)
M01a	5431	2-4	1825	Fri	i.p. 333 29489 29489 333 29489 29489 333 29489 29489	CW	(AB)
M01a	5431	2-4	1830	Fri	333 29257 29257 333 29257 29257 333 29257 29257 333 29257 29257 333 29257 29257 333 29257 29257	CW	(AB)
M01a	5431	2-4	1834	Fri	217 217 217 333 29481 29481 217 217 217 333 29481 29481 217 217 217 333 29481 29481 217 217 217 333 29481 29481	CW	(AB)
M01a	5431	2-4	1839	Fri	217 217 217 333 19629 19629 217 217 217 000	CW	(AB)
M01a	5041	9-4	0806	Fri	111 999 111 999 358 10 = 14230 86102 75423 45947 24851 71248 14230 43385 95148 29351 = 358 10 111 000	CW	(AnEur)
M01a	4860	28-4	0952	Wed	851 851 851 20433 20433 851 851 851 20593 20593 333 02 111 999 511 10 = 75561 87978 88907 ... 14230 86102 71248 = 511 10 111 000	CW	(F5JBR)
M12	10904	1-4	0700	Thu	923 923 923 1 129 40 129 40 24001 99363 63134 ... 70858 13035 70707 000 000	CW	(AB-RUS/HFD-J)
M12	10204	1-4	0720	Thu	923 923 923 1 129 40 129 40 24001 99363 63134 ... 70858 13035 70707 000 000	CW	(AB-RUS/HFD-J)
M12	9304	1-4	0740	Thu	923 923 923 1 129 40 129 40 24001 99363 63134 ... 70858 13035 70707 000 000	CW	(AB-RUS/HFD-J)
M12	12162	1-4	1700	Thu	546 546 546 46 1 9754 113 9754 113 57428 20428 45038 ... 24155 00888 28649 000 000	CW	(AB)
M12	11566	1-4	1720	Thu	546 546 546 46 1 9754 113 9754 113 57428 20428 45038 ... 24155 00888 28649 000 000	CW	(AB)
M12	10711	1-4	1740	Thu	546 546 546 46 1 9754 113 9754 113 57428 20428 45038 ... 24155 00888 28649 000 000	CW	(AB)
M12	12162	1-4	1800	Thu	546 546 546 1 2612 105 2612 105 64432 08637 43635 ... 90560 09693 76577 000 000	CW	(AB/MPJ)
M12	11566	1-4	1820	Thu	546 546 546 1 2612 105 2612 105 64432 08637 43635 ... 90560 09693 76577 000 000	CW	(AB/MPJ)
M12	10711	1-4	1840	Thu	546 546 546 1 2612 105 2612 105 64432 08637 43635 ... 90560 09693 76577 000 000	CW	(AB/MPJ)
M12	12139	1-4	2000	Thu	234 234 234 1 209 83 209 83 60303 26267 39927 ... 64609 12556 66006 000 000	CW	(AB/RL)
M12	14377	1-4	2000	Thu	317 317 317 1 3279 103 3279 103 60995 54612 78406 ... 53985 37050 33697 000 000	CW	(AB)
M12	11139	1-4	2020	Thu	234 234 234 1 209 83 209 83 60303 26267 39927 ... 64609 12556 66006 000 000	CW	(AB/RL)
M12	13461	1-4	2020	Thu	317 317 317 1 3279 103 3279 103 60995 54612 78406 ... 53985 37050 33697 000 000	CW	(AB/HFD)
M12	10239	1-4	2040	Thu	234 234 234 1 209 83 209 83 60303 26267 39927 ... 64609 12556 66006 000 000	CW	(AB/RL/HFD)
M12	12114	1-4	2040	Thu	317 317 317 1 3279 103 3279 103 60995 54612 78406 ... 53985 37050 33697 000 000	CW	(AB/HFD)
M12	10572	1-4	2110	Thu	531 531 531 000	CW	(AB/RL)
M12	9372	1-4	2130	Thu	531 531 531 000	CW	(AB/RL)
M12	6854	2-4	0030	Fri	813 813 813 000	CW	(AB)
M12	8154	2-4	0050	Fri	813 813 813 000	CW	(AB)
M12	13453	2-4	1950	Fri	414 414 414 000	CW	(AB/RL/HFD)

M12	12153	2-4	2010	Fri	414 414 414 000	CW	(AB/RL/HFD)
M12	7575	2-4	2100	Fri	511 511 511 1 179 126 179 126 62668 04851 53176 ... 74887 70824 04617 000 000	CW	(AB/RL/HFD)
M12	8175	2-4	2120	Fri	511 511 511 1 179 126 179 126 62668 04851 53176 ... 74887 70824 04617 000 000	CW	(AB/RL/HFD)
M12	9175	2-4	2140	Fri	511 511 511 1 179 126 179 126 62668 04851 53176 ... 74887 70824 04617 000 000	CW	(AB/RL/HFD)
M12	7575	3-4	2100	Sat	511 511 511 1 179 126 179 126 62668 04851 53176 ... 74887 70824 04617 000 000	CW	(AB)
M12	8175	3-4	2120	Sat	511 511 511 1 179 126 179 126 62668 04851 53176 ... 74887 70824 04617 000 000	CW	(AB)
M12	9175	3-4	2140	Sat	511 511 511 1 179 126 179 126 62668 04851 53176 ... 74887 70824 04617 000 000	CW	(AB)
M12	10212	3-4	2230	Sat	923 923 923 000	CW	(RL)
M12	14377	5-4	1300	Mon	317 317 317 1 7701 104 7701 104 83438 43691 89995 ... 10466 90307 68901 000 000	CW	(AB/MPJ)
M12	13461	5-4	1320	Mon	317 317 317 1 7701 104 7701 104 83438 43691 89995 ... 10466 90307 68901 000 000	CW	(AB/MPJ)
M12	12114	5-4	1340	Mon	317 317 317 1 7701 104 7701 104 83438 43691 89995 ... 10466 90307 68901 000 000	CW	(AB/MPJ)
M12	12139	5-4	2000	Mon	234 234 234 000	CW	(AB)
M12	11139	5-4	2020	Mon	234 234 234 000	CW	(AB/RL)
M12	10972	5-4	2110	Mon	531 1 277 88 43644 97480 90977 64236 24798 ... 09899 11464 13768 34292 66229 000 000	CW	(RL)
M12	9372	5-4	2130	Mon	531 1 277 88 43644 97480 90977 64236 24798 ... 09899 11464 13768 34292 66229 000 000	CW	(RL)
M12	8172	5-4	2150	Mon	531 1 277 88 43644 97480 90977 64236 24798 ... 09899 11464 13768 34292 66229 000 000	CW	(RL)
M12	6854	6-4	0030	Tue	813 813 813 1 2320 121 2320 121 83685 75644 42170 ... 16940 10932 67765 000 000	CW	(AB/F4LKC)
M12	8154	6-4	0050	Tue	813 813 813 1 2320 121 2320 121 83685 75644 42170 ... 16940 10932 67765 000 000	CW	(AB)
M12	9354	6-4	0110	Tue	813 813 813 1 2320 121 2320 121 83685 75644 42170 ... 16940 10932 67765 000 000	CW	(AB)
M12	9317	6-4	0530	Tue	135 135 135 1 7796 113 7796 113 39840 02711 03271 ... 68036 10241 69311 000 000	CW	(AB)
M12	10484	6-4	0550	Tue	135 135 135 1 7796 113 7796 113 39840 02711 03271 ... 68036 10241 69311 000 000	CW	(AB)
M12	11552	6-4	0610	Tue	135 135 135 1 7796 113 7796 113 39840 02711 03271 ... 68036 10241 69311 000 000	CW	(AB)
M12	10904	6-4	0700	Tue	923 923 923 1 9664 128 9664 128 39818 64538 02211 ... 21501 02130 42698 000 000	CW	(AB-RUS)
M12	10204	6-4	0720	Tue	923 923 923 1 9664 128 9664 128 39818 64538 02211 ... 21501 02130 42698 000 000	CW	(AB-RUS)
M12	9304	6-4	0740	Tue	923 923 923 1 9664 128 9664 128 39818 64538 02211 ... 21501 02130 42698 000 000	CW	(AB-RUS)
M12	14377	6-4	1200	Tue	317 317 317 1 1424 95 1424 95 80744 47741 02505 ... 36147 09511 39999 000 000	CW	(AB)
M12	13461	6-4	1220	Tue	317 317 317 1 1424 95 1424 95 80744 47741 02505 ... 36147 09511 39999 000 000	CW	(AB)
M12	12114	6-4	1240	Tue	317 317 317 1 1424 95 1424 95 80744 47741 02505 ... 36147 09511 39999 000 000	CW	(AB)
M12	16321	7-4	1600	Wed	387 387 387 1 5597 91 5597 91 16759 35239 86066 ... 05446 41901 97011 000 000	CW	(AB)
M12	15821	7-4	1620	Wed	387 387 387 1 5597 91 5597 91 16759 35239 86066 ... 05446 41901 97011 000 000	CW	(AB)
M12	14721	7-4	1640	Wed	387 387 387 1 5597 91 5597 91 16759 35239 86066 ... 05446 41901 97011 000 000	CW	(AB)
M12	12162	7-4	1710	Wed	546 546 546 1 8860 112 8860 112 03544 69398 01159 ... 03021 19035 16090 000 000	CW	(AB/MPJ)
M12	11566	7-4	1730	Wed	546 546 546 1 8860 112 8860 112 03544 69398 01159 ... 03021 19035 16090 000 000	CW	(AB/MPJ)
M12	10711	7-4	1750	Wed	546 546 546 1 8860 112 8860 112 03544 69398 01159 ... 03021 19035 16090 000 000	CW	(AB/MPJ)
M12	13453	7-4	1950	Wed	414 414 414 000	CW	(AB-RUS)
M12	12153	7-4	2010	Wed	414 414 414 000	CW	(AB)
M12	11012	7-4	2210	Wed	923 1 4967 66 73876 85130 73307 99204 08647 ... 84280 18069 28295 58928 68273 000 000	CW	(RL)
M12	10212	7-4	2230	Wed	923 1 4967 66 73876 85130 73307 99204 08647 ... 84280 18069 28295 58928 68273 000 000	CW	(RL)
M12	9312	7-4	2250	Wed	923 1 4967 66 73876 85130 73307 99204 08647 ... 84280 18069 28295 58928 68273 000 000	CW	(RL)
M12	10904	8-4	0700	Thu	923 923 923 1 9664 128 9664 128 39818 64538 02211 ... 21501 02130 42698 000 000	CW	(AB-J)
M12	10204	8-4	0720	Thu	923 923 923 1 9664 128 9664 128 39818 64538 02211 ... 21501 02130 42698 000 000	CW	(AB-J)
M12	9304	8-4	0740	Thu	923 923 923 1 9664 128 9664 128 39818 64538 02211 ... 21501 02130 42698 000 000	CW	(AB-J)
M12	12162	8-4	1700	Thu	546 546 546 1 7633 111 7633 111 38527 06954 30041 ... 36058 89895 89469 000 000	CW	(AB)
M12	11566	8-4	1720	Thu	546 546 546 1 7633 111 7633 111 38527 06954 30041 ... 36058 89895 89469 000 000	CW	(AB)
M12	10711	8-4	1740	Thu	546 546 546 1 7633 111 7633 111 38527 06954 30041 ... 36058 89895 89469 000 000	CW	(AB)
M12	12162	8-4	1800	Thu	546 546 546 1 9994 110 9994 110 28026 79420 43334 ... 39502 03145 69884 000 000	CW	(AB)
M12	11566	8-4	1820	Thu	546 546 546 1 9994 110 9994 110 28026 79420 43334 ... 39502 03145 69884 000 000	CW	(AB)

M12	10711	8-4	1840	Thu	546 546 546 1 9994 110 9994 110 28026 79420 43334 ... 39502 03145 69884 000 000	CW	(AB)
M12	12139	8-4	2000	Thu	234 234 234 000	CW	(AB/RL)
M12	14377	8-4	2000	Thu	317 317 317 1 6779 107 6779 107 76202 78803 53001 ... 22503 51957 46702 000 000	CW	(AB)
M12	11139	8-4	2020	Thu	234 234 234 000	CW	(AB/RL)
M12	13461	8-4	2020	Thu	317 317 317 1 6779 107 6779 107 76202 78803 53001 ... 22503 51957 46702 000 000	CW	(AB)
M12	12114	8-4	2040	Thu	317 317 317 1 6779 107 6779 107 76202 78803 53001 ... 22503 51957 46702 000 000	CW	(AB)
M12	10572	8-4	2110	Thu	531 1 277 88 43644 97480 90977 64236 24798 ... 09899 11464 13768 34292 66229 000 000	CW	(RL)
M12	9372	8-4	2130	Thu	531 1 277 88 43644 97480 90977 64236 24798 ... 09899 11464 13768 34292 66229 000 000	CW	(RL)
M12	8172	8-4	2150	Thu	531 1 277 88 43644 97480 90977 64236 24798 ... 09899 11464 13768 34292 66229 000 000	CW	(RL)
M12	13453	9-4	1950	Fri	414 414 414 000	CW	(AB/RL)
M12	12153	9-4	2010	Fri	414 414 414 000	CW	(AB/RL)
M12	7575	9-4	2100	Fri	511 511 511 1 179 126 179 126 62668 04851 53176 ... 74887 70824 04617 000 000	CW	(AB/RL)
M12	8175	9-4	2120	Fri	511 511 511 1 179 126 179 126 62668 04851 53176 ... 74887 70824 04617 000 000	CW	(AB/RL)
M12	9175	9-4	2140	Fri	511 511 511 1 179 126 179 126 62668 04851 53176 ... 74887 70824 04617 000 000	CW	(AB/RL)
M12	7575	10-4	2100	Sat	511 511 511 1 179 126 179 126 62668 04851 53176 ... 74887 70824 04617 000 000	CW	(AB/ES)
M12	8175	10-4	2120	Sat	511 511 511 1 179 126 179 126 62668 04851 53176 ... 74887 70824 04617 000 000	CW	(AB/ES)
M12	9175	10-4	2140	Sat	511 511 511 1 179 126 179 126 62668 04851 53176 ... 74887 70824 04617 000 000	CW	(AB/ES)
M12	11012	10-4	2210	Sat	923 923 923 1 4967 66 4967 66 73876 85130 73307 ... 28295 58928 68273 000 000	CW	(ES/HFD)
M12	10212	10-4	2230	Sat	923 923 923 1 4967 66 4967 66 73876 85130 73307 ... 28295 58928 68273 000 000	CW	(ES/HFD)
M12	9312	10-4	2250	Sat	923 923 923 1 4967 66 4967 66 73876 85130 73307 ... 28295 58928 68273 000 000	CW	(ES/HFD)
M12	16321	11-4	1600	Sun	387 387 387 1 5597 91 5597 91 16759 35239 86066 ... 05446 41901 97011 000 000	CW	(AB/MPJ/HFD)
M12	15821	11-4	1620	Sun	387 387 387 1 5597 91 5597 91 16759 35239 86066 ... 05446 41901 97011 000 000	CW	(AB/MPJ/HFD)
M12	14721	11-4	1640	Sun	387 387 387 1 5597 91 5597 91 16759 35239 86066 ... 05446 41901 97011 000 000	CW	(AB/MPJ/HFD)
M12	14377	12-4	1300	Mon	317 317 317 1 7825 99 7825 99 03730 05132 05845 ... 48217 25077 82979 000 000	CW	(AB-RUS/MPJ)
M12	13461	12-4	1320	Mon	317 317 317 1 7825 99 7825 99 03730 05132 05845 ... 48217 25077 82979 000 000	CW	(AB/MPJ)
M12	12114	12-4	1340	Mon	317 317 317 1 7825 99 7825 99 03730 05132 05845 ... 48217 25077 82979 000 000	CW	(AB/MPJ)
M12	12139	12-4	2000	Mon	234 234 234 1 9550 54 9550 54 45224 48701 48916 ... 88003 18949 76594 000 000	CW	(AB/RL)
M12	10239	12-4	2020	Mon	234 234 234 1 9550 54 9550 54 45224 48701 48916 ... 88003 18949 76594 000 000	CW	(AB/RL)
M12	11139	12-4	2020	Mon	234 234 234 1 9550 54 9550 54 45224 48701 48916 ... 88003 18949 76594 000 000	CW	(AB/RL)
M12	10972	12-4	2110	Mon	531 531 531 000	CW	(AB/RL)
M12	9372	12-4	2130	Mon	531 531 531 000	CW	(AB/RL)
M12	6854	13-4	0030	Tue	813 813 813 000	CW	(AB)
M12	8154	13-4	0050	Tue	813 813 813 000	CW	(AB)
M12	9317	13-4	0530	Tue	135 135 135 1 2949 112 2949 112 90459 23908 93540 ... 99608 85790 15428 000 000	CW	(AB)
M12	10484	13-4	0550	Tue	135 135 135 1 2949 112 2949 112 90459 23908 93540 ... 99608 85790 15428 000 000	CW	(AB)
M12	11552	13-4	0610	Tue	135 135 135 1 2949 112 2949 112 90459 23908 93540 ... 99608 85790 15428 000 000	CW	(AB)
M12	10904	13-4	0700	Tue	923 923 923 1 803 144 803 144 97353 93160 96474 ... 05585 55978 94045 000 000	CW	(AB-RUS)
M12	10204	13-4	0720	Tue	923 923 923 1 803 144 803 144 97353 93160 96474 ... 05585 55978 94045 000 000	CW	(AB-J)
M12	9304	13-4	0740	Tue	923 923 923 1 803 144 803 144 97353 93160 96474 ... 05585 55978 94045 000 000	CW	(AB-J)
M12	14377	13-4	1200	Tue	317 317 317 1 6349 97 6349 97 93417 66419 89472 ... 62212 84275 56659 000 000	CW	(AB)
M12	13461	13-4	1220	Tue	317 317 317 1 6349 97 6349 97 93417 66419 89472 ... 62212 84275 56659 000 000	CW	(AB)
M12	12114	13-4	1240	Tue	317 317 317 1 6349 97 6349 97 93417 66419 89472 ... 62212 84275 56659 000 000	CW	(AB)
M12	16321	14-4	1600	Wed	387 387 387 000	CW	(AB/MPJ)
M12	15821	14-4	1620	Wed	387 387 387 000	CW	(AB/MPJ)
M12	12162	14-4	1710	Wed	546 546 546 1 8759 109 8759 109 87646 48265 54232 ... 63387 47053 64457 000 000	CW	(AB)
M12	11566	14-4	1730	Wed	546 546 546 1 8759 109 8759 109 87646 48265 54232 ... 63387 47053 64457 000 000	CW	(AB)
M12	10711	14-4	1750	Wed	546 546 546 1 8759 109 8759 109 87646 48265 54232 ... 63387 47053 64457 000 000	CW	(AB)

M12	13453	14-4	1950	Wed	414 414 414 000	CW	(AB-RUS)
M12	12153	14-4	2010	Wed	414 414 414 000	CW	(AB/RL)
M12	11012	14-4	2210	Wed	923 1 9975 90 53048 06961 14190 63090 08632 ... 44315 02307 18340 73545 38133 000 000	CW	(RL)
M12	10212	14-4	2230	Wed	923 1 9975 90 53048 06961 14190 63090 08632 ... 44315 02307 18340 73545 38133 000 000	CW	(RL)
M12	9312	14-4	2250	Wed	923 1 9975 90 53048 06961 14190 63090 08632 ... 44315 02307 18340 73545 38133 000 000	CW	(RL)
M12	10904	15-4	0700	Thu	923 923 923 1 803 144 803 144 97353 93160 96474 ... 05585 55978 94045 000 000	CW	(AB-RUS)
M12	10204	15-4	0720	Thu	923 923 923 1 803 144 803 144 97353 93160 96474 ... 05585 55978 94045 000 000	CW	(AB-J)
M12	9304	15-4	0740	Thu	923 923 923 1 803 144 803 144 97353 93160 96474 ... 05585 55978 94045 000 000	CW	(AB-J)
M12	12162	15-4	1700	Thu	546 546 546 1 2113 108 2113 108 92233 11477 77415 ... 12037 55657 89108 000 000	CW	(AB)
M12	11566	15-4	1720	Thu	546 546 546 1 2113 108 2113 108 92233 11477 77415 ... 12037 55657 89108 000 000	CW	(AB)
M12	10711	15-4	1740	Thu	546 546 546 1 2113 108 2113 108 92233 11477 77415 ... 12037 55657 89108 000 000	CW	(AB)
M12	12162	15-4	1800	Thu	546 546 546 1 2460 105 2460 105 35030 02535 74749 ... 61252 13338 13000 000 000	CW	(AB)
M12	11566	15-4	1820	Thu	546 546 546 1 2460 105 2460 105 35030 02535 74749 ... 61252 13338 13000 000 000	CW	(AB)
M12	10711	15-4	1840	Thu	546 546 546 1 2460 105 2460 105 35030 02535 74749 ... 61252 13338 13000 000 000	CW	(AB)
M12	12139	15-4	2000	Thu	234 234 234 1 9550 54 9550 54 45224 48701 48916 ... 88003 18949 76594 000 000	CW	(AB/RL)
M12	14377	15-4	2000	Thu	317 317 317 1 2506 102 2506 102 53989 36426 49603 ... 60649 98093 89419 000 000	CW	(AB-RUS)
M12	10239	15-4	2020	Thu	234 234 234 1 9550 54 9550 54 45224 48701 48916 ... 88003 18949 76594 000 000	CW	(AB/RL)
M12	11139	15-4	2020	Thu	234 234 234 1 9550 54 9550 54 45224 48701 48916 ... 88003 18949 76594 000 000	CW	(AB/RL)
M12	13461	15-4	2020	Thu	317 317 317 1 2506 102 2506 102 53989 36426 49603 ... 60649 98093 89419 000 000	CW	(AB-RUS)
M12	12114	15-4	2040	Thu	317 317 317 1 2506 102 2506 102 53989 36426 49603 ... 60649 98093 89419 000 000	CW	(AB)
M12	10572	15-4	2110	Thu	531 531 531 000	CW	(RL)
M12	9372	15-4	2130	Thu	531 531 531 000	CW	(RL)
M12	6854	16-4	0030	Fri	813 813 813 000	CW	(AB)
M12	8154	16-4	0050	Fri	813 813 813 000	CW	(AB)
M12	13453	16-4	1950	Fri	414 414 414 000	CW	(AB/RL)
M12	12153	16-4	2010	Fri	414 414 414 000	CW	(AB/RL)
M12	7575	16-4	2100	Fri	511 511 511 1 4754 116 4754 116 31429 44665 82182 ... 16622 77600 16160 000 000	CW	(AB/RL)
M12	8175	16-4	2120	Fri	511 511 511 1 4754 116 4754 116 31429 44665 82182 ... 16622 77600 16160 000 000	CW	(AB/RL)
M12	9175	16-4	2140	Fri	511 511 511 1 4754 116 4754 116 31429 44665 82182 ... 16622 77600 16160 000 000	CW	(AB/RL)
M12	7575	17-4	2100	Sat	511 511 511 1 4754 116 4754 116 31429 44665 82182 ... 16622 77600 16160 000 000	CW	(AB)
M12	8175	17-4	2120	Sat	511 511 511 1 4754 116 4754 116 31429 44665 82182 ... 16622 77600 16160 000 000	CW	(AB)
M12	9175	17-4	2140	Sat	511 511 511 1 4754 116 4754 116 31429 44665 82182 ... 16622 77600 16160 000 000	CW	(AB)
M12	16321	18-4	1600	Sun	387 387 387 000	CW	(AB/MPJ-HOL)
M12	15821	18-4	1620	Sun	387 387 387 000	CW	(AB/MPJ-HOL)
M12	14377	19-4	1300	Mon	317 317 317 1 4631 99 4631 99 90868 27332 87977 ... 06983 89831 17447 000 000	CW	(AB-RUS)
M12	13461	19-4	1320	Mon	317 317 317 1 4631 99 4631 99 90868 27332 87977 ... 06983 89831 17447 000 000	CW	(AB)
M12	12114	19-4	1340	Mon	317 317 317 1 4631 99 4631 99 90868 27332 87977 ... 06983 89831 17447 000 000	CW	(AB)
M12	12139	19-4	2000	Mon	234 234 234 000	CW	(AB)
M12	11139	19-4	2020	Mon	234 234 234 000	CW	(AB/RL)
M12	10972	19-4	2110	Mon	531 1 355 81 77766 82457 75101 21833 81419 ... 05527 29203 09701 05290 45233 000 000	CW	(RL/HFD)
M12	9372	19-4	2130	Mon	531 1 355 81 77766 82457 75101 21833 81419 ... 05527 29203 09701 05290 45233 000 000	CW	(RL/HFD)
M12	8172	19-4	2150	Mon	531 1 355 81 77766 82457 75101 21833 81419 ... 05527 29203 09701 05290 45233 000 000	CW	(RL/HFD)
M12	11012	19-4	2210	Mon	923 1 9975 90 53048 06961 14190 63090 08632 ... 44315 02307 18340 73545 38133 000 000	CW	(RL)
M12	10212	19-4	2230	Mon	923 1 9975 90 53048 06961 14190 63090 08632 ... 44315 02307 18340 73545 38133 000 000	CW	(RL)
M12	9312	19-4	2250	Mon	923 1 9975 90 53048 06961 14190 63090 08632 ... 44315 02307 18340 73545 38133 000 000	CW	(RL)
M12	9317	20-4	0530	Tue	135 135 135 1 8906 109 8906 109 09156 83486 22784 ... 65902 48504 67020 000 000	CW	(AB)
M12	10484	20-4	0550	Tue	135 135 135 1 8906 109 8906 109 09156 83486 22784 ... 65902 48504 67020 000 000	CW	(AB)

M12	11552	20-4	0610	Tue	135 135 135 1 8906 109 8906 109 09156 83486 22784 ... 65902 48504 67020 000 000	CW	(AB)
M12	10904	20-4	0700	Tue	923 923 923 1 499 106 499 106 99324 99553 60684 ... 18516 80053 06277 000 000	CW	(AB-RUS)
M12	10204	20-4	0720	Tue	923 923 923 1 499 106 499 106 99324 99553 60684 ... 18516 80053 06277 000 000	CW	(AB-RUS)
M12	9304	20-4	0740	Tue	923 923 923 1 499 106 499 106 99324 99553 60684 ... 18516 80053 06277 000 000	CW	(AB-RUS)
M12	14377	20-4	1200	Tue	317 1 7108 98 39553 73837 81782 ... 53271 38326 13201 000 000	CW	(MPJ)
M12	13461	20-4	1220	Tue	317 1 7108 98 39553 73837 81782 ... 53271 38326 13201 000 000	CW	(MPJ)
M12	12114	20-4	1240	Tue	317 1 7108 98 39553 73837 81782 ... 53271 38326 13201 000 000	CW	(MPJ)
M12	16321	21-4	1600	Wed	387 387 387 1 481 77 481 77 43033 69710 73253 ... 81610 49453 27017 000 000	CW	(AB/MPJ)
M12	15821	21-4	1620	Wed	387 387 387 1 481 77 481 77 43033 69710 73253 ... 81610 49453 27017 000 000 Stopped and restarted after 4 mins	CW	(AB/MPJ)
M12	14721	21-4	1640	Wed	387 387 387 1 481 77 481 77 43033 69710 73253 ... 81610 49453 27017 000 000	CW	(AB/MPJ)
M12	12162	21-4	1710	Wed	546 546 546 1 9390 104 9390 104 05863 47562 21119 ... 73230 32926 16355 000 000	CW	(AB)
M12	11566	21-4	1730	Wed	546 546 546 1 9390 104 9390 104 05863 47562 21119 ... 73230 32926 16355 000 000	CW	(AB)
M12	10711	21-4	1750	Wed	546 546 546 1 9390 104 9390 104 05863 47562 21119 ... 73230 32926 16355 000 000	CW	(AB)
M12	13453	21-4	1950	Wed	414 414 414 000	CW	(AB)
M12	12153	21-4	2010	Wed	414 414 414 000	CW	(AB/RL)
M12	10904	22-4	0700	Thu	923 923 923 1 499 106 499 106 99324 99553 60684 ... 18516 80053 06277 000 000	CW	(AB-RUS)
M12	10204	22-4	0720	Thu	923 923 923 1 499 106 499 106 99324 99553 60684 ... 18516 80053 06277 000 000	CW	(AB-RUS)
M12	9304	22-4	0740	Thu	923 923 923 1 499 106 499 106 99324 99553 60684 ... 18516 80053 06277 000 000	CW	(AB-RUS)
M12	12162	22-4	1700	Thu	546 546 546 1 7658 107 7658 107 80863 42577 95443 ... 19708 19640 65272 000 000	CW	(AB)
M12	11566	22-4	1720	Thu	546 546 546 1 7658 107 7658 107 80863 42577 95443 ... 19708 19640 65272 000 000	CW	(AB)
M12	10711	22-4	1740	Thu	546 546 546 1 7658 107 7658 107 80863 42577 95443 ... 19708 19640 65272 000 000	CW	(AB)
M12	12162	22-4	1800	Thu	546 546 546 1 8143 108 8143 108 29672 40162 61254 ... 28311 19473 76042 000 000	CW	(AB)
M12	11566	22-4	1820	Thu	546 546 546 1 8143 108 8143 108 29672 40162 61254 ... 28311 19473 76042 000 000	CW	(AB)
M12	10711	22-4	1840	Thu	546 546 546 1 8143 108 8143 108 29672 40162 61254 ... 28311 19473 76042 000 000	CW	(AB)
M12	12139	22-4	2000	Thu	234 234 234 000	CW	(AB/RL)
M12	14377	22-4	2000	Thu	317 317 317 1 5951 108 5951 108 87855 36004 58664 ... 11539 76650 75383 000 000	CW	(AB-RUS)
M12	11139	22-4	2020	Thu	234 234 234 000	CW	(AB/RL)
M12	13461	22-4	2020	Thu	317 317 317 1 5951 108 5951 108 87855 36004 58664 ... 11539 76650 75383 000 000	CW	(AB-RUS)
M12	12114	22-4	2040	Thu	317 317 317 1 5951 108 5951 108 87855 36004 58664 ... 11539 76650 75383 000 000	CW	(AB)
M12	10572	22-4	2110	Thu	531 1 355 81 77766 82457 75101 21833 81419 ... 05527 29203 59701 05290 45233 000 000	CW	(RL)
M12	9372	22-4	2130	Thu	531 1 355 81 77766 82457 75101 21833 81419 ... 05527 29203 59701 05290 45233 000 000	CW	(RL)
M12	8172	22-4	2150	Thu	531 1 355 81 77766 82457 75101 21833 81419 ... 05527 29203 59701 05290 45233 000 000	CW	(RL)
M12	13453	23-4	1950	Fri	414 414 414 000	CW	(AB)
M12	12153	23-4	2010	Fri	414 414 414 000	CW	(AB)
M12	7575	23-4	2100	Fri	511 511 511 1 4754 116 4754 116 31429 44665 82182 ... 16622 77600 16160 000 000	CW	(AB/RL)
M12	8175	23-4	2120	Fri	511 511 511 1 4754 116 4754 116 31429 44665 82182 ... 16622 77600 16160 000 000	CW	(AB/RL)
M12	9175	23-4	2140	Fri	511 511 511 1 4754 116 4754 116 31429 44665 82182 ... 16622 77600 16160 000 000	CW	(AB/RL)
M12	7575	24-4	2100	Sat	511 511 511 1 4754 116 4754 116 31429 44665 82182 ... 16622 77600 16160 000 000	CW	(AB)
M12	8175	24-4	2120	Sat	511 511 511 1 4754 116 4754 116 31429 44665 82182 ... 16622 77600 16160 000 000	CW	(AB/RL)
M12	9175	24-4	2140	Sat	511 511 511 1 4754 116 4754 116 31429 44665 82182 ... 16622 77600 16160 000 000	CW	(AB/RL)
M12	11012	24-4	2210	Sat	923 1 3709 83 44779 07205 03031 40017 67640 ... 65305 01688 22863 14883 89809 000 000	CW	(RL)
M12	10212	24-4	2230	Sat	923 1 3709 83 44779 07205 03031 40017 67640 ... 65305 01688 22863 14883 89809 000 000	CW	(RL)
M12	9312	24-4	2250	Sat	923 1 3709 83 44779 07205 03031 40017 67640 ... 65305 01688 22863 14883 89809 000 000	CW	(RL)
M12	16321	25-4	1600	Sun	387 387 387 1 481 77 481 77 43033 69710 73253 ... 81610 49453 27017 000 000	CW	(AB/MPJ)
M12	15821	25-4	1620	Sun	387 387 387 1 481 77 481 77 43033 69710 73253 ... 81610 49453 27017 000 000	CW	(AB/MPJ)
M12	14721	25-4	1640	Sun	387 387 387 1 481 77 481 77 43033 69710 73253 ... 81610 49453 27017 000 000	CW	(AB/MPJ)
M12	14377	26-4	1300	Mon	317 317 317 1 1444 97 1444 97 60535 17954 28560 ... 64384 28501 67168 000 000	CW	(AB-RUS/MPJ)

M12	13461	26-4	1320	Mon	317 317 317 1 1444 97 1444 97 60535 17954 28560 ... 64384 28501 67168 000 000	CW	(AB/MPJ)
M12	12114	26-4	1340	Mon	317 317 317 1 1444 97 1444 97 60535 17954 28560 ... 64384 28501 67168 000 000	CW	(AB/MPJ)
M12	12139	26-4	2000	Mon	234 234 234 1 4438 96 4438 96 76211 70732 69353 ... 54143 31437 70558 000 000	CW	(AB/RL)
M12	11139	26-4	2020	Mon	234 234 234 1 4438 96 4438 96 76211 70732 69353 ... 54143 31437 70558 000 000	CW	(AB/RL)
M12	10239	26-4	2040	Mon	234 234 234 1 4438 96 4438 96 76211 70732 69353 ... 54143 31437 70558 000 000	CW	(AB/RL)
M12	10972	26-4	2110	Mon	531 531 531 000	CW	(AB/RL)
M12	9372	26-4	2130	Mon	531 531 531 000	CW	(AB/RL)
M12	6854	27-4	0030	Tue	813 813 813 000	CW	(HFD-RUS)
M12	8154	27-4	0050	Tue	813 813 813 000	CW	(HFD-RUS)
M12	9317	27-4	0530	Tue	135 135 135 1 7940 113 7940 113 14470 92756 98284 ... 56167 77793 53629 000 000	CW	(AB)
M12	10484	27-4	0550	Tue	135 135 135 1 7940 113 7940 113 14470 92756 98284 ... 56167 77793 53629 000 000	CW	(AB)
M12	11552	27-4	0610	Tue	135 135 135 1 7940 113 7940 113 14470 92756 98284 ... 56167 77793 53629 000 000	CW	(AB)
M12	10904	27-4	0700	Tue	923 923 923 1 7189 194 7189 194 41699 36683 41458 ... 84540 64246 02051 000 000	CW	(AB-RUS)
M12	10204	27-4	0720	Tue	923 923 923 1 7189 194 7189 194 41699 36683 41458 ... 84540 64246 02051 000 000	CW	(AB-RUS)
M12	9304	27-4	0740	Tue	923 923 923 1 7189 194 7189 194 41699 36683 41458 ... 84540 64246 02051 000 000	CW	(AB-RUS)
M12	14377	27-4	1200	Tue	317 317 317 1 1169 101 1169 101 37275 12123 44580 ... 01374 09971 61230 000 000	CW	(AB/MPJ)
M12	13461	27-4	1220	Tue	317 317 317 1 1169 101 1169 101 37275 12123 44580 ... 01374 09971 61230 000 000	CW	(AB/MPJ)
M12	12114	27-4	1240	Tue	317 317 317 1 1169 101 1169 101 37275 12123 44580 ... 01374 09971 61230 000 000	CW	(AB/MPJ)
M12	16321	28-4	1600	Wed	387 387 387 000	CW	(AB/MPJ)
M12	15821	28-4	1620	Wed	387 387 387 000	CW	(AB/MPJ)
M12	12162	28-4	1710	Wed	546 546 546 1 5455 109 5455 109 26270 43828 24611 ... 62159 71701 47792 000 000	CW	(AB)
M12	11566	28-4	1730	Wed	546 546 546 1 5455 109 5455 109 26270 43828 24611 ... 62159 71701 47792 000 000	CW	(AB)
M12	10711	28-4	1750	Wed	546 546 546 1 5455 109 5455 109 26270 43828 24611 ... 62159 71701 47792 000 000	CW	(AB)
M12	13453	28-4	1950	Wed	414 414 414 000	CW	(AB/RL)
M12	12153	28-4	2010	Wed	414 414 414 000	CW	(AB/RL)
M12	10904	29-4	0700	Thu	923 923 923 1 7189 194 7189 194 41699 36683 41458 ... 84540 64246 02051 000 000	CW	(AB-RUS)
M12	10204	29-4	0720	Thu	923 923 923 1 7189 194 7189 194 41699 36683 41458 ... 84540 64246 02051 000 000	CW	(AB-RUS)
M12	9304	29-4	0740	Thu	923 923 923 1 7189 194 7189 194 41699 36683 41458 ... 84540 64246 02051 000 000	CW	(AB-RUS)
M12	12162	29-4	1700	Thu	546 546 546 1 7302 110 7302 110 04100 80101 05383 ... 43447 24628 18572 000 000	CW	(AB)
M12	11566	29-4	1720	Thu	546 546 546 1 7302 110 7302 110 04100 80101 05383 ... 43447 24628 18572 000 000	CW	(AB)
M12	10711	29-4	1740	Thu	546 546 546 1 7302 110 7302 110 04100 80101 05383 ... 43447 24628 18572 000 000	CW	(AB)
M12	12162	29-4	1800	Thu	546 546 546 1 7716 110 7716 110 23158 85630 32625 ... 58399 22042 15621 000 000	CW	(AB)
M12	11566	29-4	1820	Thu	546 546 546 1 7716 110 7716 110 23158 85630 32625 ... 58399 22042 15621 000 000	CW	(AB)
M12	10711	29-4	1840	Thu	546 546 546 1 7716 110 7716 110 23158 85630 32625 ... 58399 22042 15621 000 000	CW	(AB)
M12	12139	29-4	2000	Thu	234 234 234 1 4438 96 4438 96 76211 70732 69353 ... 54143 31437 70558 000 000	CW	(AB/RL)
M12	14377	29-4	2000	Thu	317 317 317 1 4224 110 4224 110 89383 53502 3452? ... 01383 70706 82842 000 000	CW	(AB-RUS)
M12	11139	29-4	2020	Thu	234 234 234 1 4438 96 4438 96 76211 70732 69353 ... 54143 31437 70558 000 000	CW	(AB/RL)
M12	13461	29-4	2020	Thu	317 317 317 1 4224 110 4224 110 89383 53502 3452? ... 01383 70706 82842 000 000	CW	(AB-RUS)
M12	10239	29-4	2040	Thu	234 234 234 1 4438 96 4438 96 76211 70732 69353 ... 54143 31437 70558 000 000	CW	(AB/RL)
M12	12114	29-4	2040	Thu	317 317 317 1 4224 110 4224 110 89383 53502 3452? ... 01383 70706 82842 000 000	CW	(AB)
M12	10572	29-4	2110	Thu	531 531 531 000	CW	(AB/RL/ES)
M12	9372	29-4	2130	Thu	531 531 531 000	CW	(AB/RL/ES)
M12	6854	30-4	0030	Fri	813 813 813 000	CW	(AB/ES)
M12	8154	30-4	0050	Fri	813 813 813 000	CW	(AB/ES)
M12	13386	30-4	1300	Fri	725 725 725 1 4346 75 4346 75 75252 80218 40007 ... 25526 45443 76964 000 000	CW	(AB)
M12	12189	30-4	1320	Fri	725 725 725 1 4346 75 4346 75 75252 80218 40007 ... 25526 45443 76964 000 000	CW	(AB)
M12	11491	30-4	1340	Fri	725 725 725 1 4346 75 4346 75 75252 80218 40007 ... 25526 45443 76964 000 000	CW	(AB)

M12	13453	30-4	1950	Fri	414 414 414 000	CW	(AB/RL)
M12	12153	30-4	2010	Fri	414 414 414 000	CW	(AB/RL)
M12	7575	30-4	2100	Fri	511 511 511 1 2813 120 2813 120 36954 18675 08907 ... 53884 71245 19013 000 000	CW	(AB/RL)
M12	8175	30-4	2120	Fri	511 511 511 1 2813 120 2813 120 36954 18675 08907 ... 53884 71245 19013 000 000	CW	(AB/RL)
M12	9175	30-4	2140	Fri	511 511 511 1 2813 120 2813 120 36954 18675 08907 ... 53884 71245 19013 000 000	CW	(AB/RL)
M14	17458	10-4	0930	Sat	617 617 617 00000	CW	(AB)
M14	13364	23-4	0400	Fri	105 439 50 66955 09299 79219 ... stopped after 21 groups and turns to idle continuous carrier, up shifted +0.5kHz and into F06.	CW	(PY)
M14	10423	23-4	1240	Fri	(tentative) i.p. 25628 95447 ... 82237 625?8 29426 53797 41331 = = 108 108 52 52 00000	CW	(MPJ)
M14	17458	25-4	0930	Sun	617 617 617 00000	CW	(AB)
M14	10243	27-4	0520	Tue	952 ... callup until 0524z then off. Weak carrier at 0526z. Callup 952 for a minute at 0527z. Ending at 0537z with 106 51 00000	CW	(PY)
M14	12211	28-4	0500	Wed	952 347 347 70 70 = = 40840 99663 11318 ... 33849 36901 83354 = = 347 347 70 70 00000	CW	(PY)
M14	10243	28-4	0520	Wed	952 347 347 70 70 = = 40840 99663 11318 ... 33849 36901 83354 = = 347 347 70 70 00000	CW	(PY)
M14	12211	29-4	0500	Thu	952 810 810 54 54 = = 24010 05351 99715 ... 00486 98724 33746 = = 810 810 54 54 00000	CW	(PY)
M14	10243	29-4	0520	Thu	952 810 810 54 54 = = 24010 05351 99715 ... 00486 98724 33746 = = 810 810 54 54 00000	CW	(PY)
M14	12211	30-4	0501	Fri	Late start. 952 674 674 59 59 = = 10680 74919 27802 ... 64911 89544 85651 = = 674 674 59 59 00000 y 952 twice then into preamble (674 59) and message	CW	(PY)
M14	10243	30-4	0520	Fri	30 secs silence after callup. Restart. Callup for 1min. 952 674 674 59 59 = = 10680 74919 27802 ... 64911 89544 85651 = = 674 674 59 59 00000	CW	(PY)
M21	6828	27-4	0945	Tue	=22456901080619 =991245?8????? =991246?8????? =12456401975646	CW	(F5JBR)
M21	4171	28-4	0933	Wed	=991233?8????? =991234?8????? =12459672465234 =22459901050612 //6828 kHz	CW	(F5JBR)
M21	6828	28-4	0933	Wed	=991233?8????? =991234?8????? =12459672465234 =22459901050612 //4171 kHz	CW	(F5JBR)
M23	8134	21-4	1715	Wed	i.p. 5260 (R)	CW	(Abder)
M23	8134	22-4	0600	Thu	i.p. 5260 (R) ended 0810 UTC	CW	(CK/AB)
M32	6962	4-4	1724	Sun	XXX XXX XHOP XHOP 52113 71612 NEONOShaL 881 3484 K	CW	(AB)
M32	6962	4-4	1726	Sun	XXX XXX RDL RDL 16388 55919 PIONTSchhWAB 9135 7501 K	CW	(AB)
M32	6962	4-4	1743	Sun	RDL RDL RDL 62274 30473 62274 30473 62274 30473 K	CW	(AB)
M32	6962	4-4	1854	Sun	RDL RDL RDL 84710 14477 84710 14477 84710 14477 K	CW	(AB)
M32	6184	8-4	0835	Thu	XXX XXX JVB1 JVB1 ChYeSTNOST' 151 K	CW	(Gwr)
M32	8130	8-4	0925	Thu	RDL RDL RDL 11772 55439 11772 55439 11772 55439 K	CW	(AB)
M32	8130	8-4	0927	Thu	RDL RDL RDL 90108 40311 90108 40311 90108 40311 K	CW	(AB)
M32	5737	12-4	1534	Mon	XXX XXX ODWR ODWR EF AGERUG 44839 82572 NIZOKLEN 62908 777 K	CW	(MPJ-POL)
M32	5793	15-4	1103	Thu	XXX XXX XHOP XHOP 28594 UDARNYJ 6695 1403 K	CW	(Gwr)
M32	4983	15-4	1104	Thu	XXX XXX XHOP XHOP 28594 UDARNYJ 6695 1403 K	CW	(Gwr)
M32	9939	16-4	0719	Fri	XXX XXX HAM7 HAM7 WWA2 WWA2 K. 70 WAA2 WWA2 = = = HAM7 HAM7 WWA2	FSK CW	(AB)
M32	4983	19-4	1121	Mon	XXX XXX QN8E QN8E 98560 DZhUTOGAJ 7884 3459 K	CW	(Gwr)
M32	5761	19-4	1140	Mon	XXX XXX NZhTI NZhTI 66731 KEROSINKA 4047 8748 K	CW	(Gwr)
M32	6351	22-4	0932	Thu	XXX XXX XHOP XHOP 82859 POWINNYJ 8079 4520 K	CW	(Gwr)
M32	5293	22-4	0935	Thu	XXX XXX A2CA A2CA 82859 POWINNYJ 8079 4520 K	CW	(Gwr)
M32	6351	22-4	1046	Thu	XXX XXX XHOP XHOP 36028 ZAYaCOROG 0589 7192 K	CW	(Gwr)
M32	5759	22-4	1055	Thu	XXX XXX NZhTI 57372 WYPOLZOK 0508 4156 K	CW	(Gwr)
M32	6521	22-4	1102	Thu	XXX XXX LA8K LA8K 36036 WEYaLKA 3263 6632 K	CW	(Gwr)
M32	5017	27-4	1107	Tue	XXX XXX QN8E QN8E 66784 HRIIP 2448 3401 K	CW	(Gwr)
M32a	11000	8-4	0958	Thu	RIW 575 45 8 2145 575 = RAA RAA = 84658 49061 38692 ... 01640 94297 08043 = RPT AL AR RIW K	CW	(AB)
M42	12153	8-4	1050	Thu	Russian diplo/intel.	MFSK-66	(AB)
M42	12164	9-4	0830	Fri	Russian diplo/intel i.p.	5xMFSK-16/250Bd-BPSK	(AB)

M42	16292	9-4	1029	Fri	Russian diplo/intel.	MFSK-66	(AB)
M42	5801.5	11-4	1225	Sun	Russian diplo.	Serdolik MFSK	(EW)
M42	14545	15-4	0918	Thu	Russian diplo/intel.	MFSK-66	(AB)
M42	8055	16-4	1655	Fri	Russian diplo/intel.	MFSK	(AB)
M42	8055	30-4	2047	Fri	Russian diplo/intel.	MFSK	(AB)
M42b	4792	25-4	0732	Sun	K5LW wkg FI8R: QSY 42812	CW	(F5JBR)
M42b	8087	25-4	0905	Sun	G3WM wkg SK8I. Message in FSK 50/500	CW	(F5JBR)
M51b	3881	13-4	1500	Tue	Non-stop 5-character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	6825	13-4	1500	Tue	Non-stop 5-character groups composed of M51a messages //3881 kHz	CW	(AB)
M89	7676	1-4	1058	Thu	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	3565	1-4	1104	Thu	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	1-4	1104	Thu	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4658	1-4	1956	Thu	V IW6S (x3) DE 5D6T(x2)	CW	(JPL)
M89	3565	2-4	1128	Fri	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	2-4	1128	Fri	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4658	2-4	1129	Fri	V N72H (x3) DE 8SM4(x2)	CW	(JPL)
M89	4356	2-4	1206	Fri	i.p. 6A6A N64U A5DT D674 U7NN 6ADA 7N4T TD65 ...	CW	(JPL)
M89	5454	2-4	1213	Fri	i.p. DAT4 4356 7NU6 6D5U 7D6A U675 7356 ...	CW	(JPL)
M89	3823	2-4	1725	Fri	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	3565	2-4	1741	Fri	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	2-4	1741	Fri	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	7620	3-4	1030	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	3-4	1030	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	7676	3-4	1045	Sat	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	4860	3-4	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6320, 6840, 8290, 8360	CW	(JPL)
M89	5640	3-4	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 6320, 6840, 8290, 8360	CW	(JPL)
M89	6320	3-4	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6840, 8290, 8360	CW	(JPL)
M89	6840	3-4	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 8290, 8360	CW	(JPL)
M89	8290	3-4	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8360	CW	(JPL)
M89	8360	3-4	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8290	CW	(JPL)
M89	4658	3-4	1121	Sat	V N72H (x3) DE 8SM4(x2)	CW	(JPL)
M89	7620	3-4	1130	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	3-4	1130	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	4860	8-4	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6320, 6840, 8290, 8360	CW	(JPL)
M89	5640	8-4	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 6320, 6840, 8290, 8360	CW	(JPL)
M89	6320	8-4	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6840, 8290, 8360, 10640	CW	(JPL)
M89	6840	8-4	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 8290, 8360, 10640	CW	(JPL)
M89	8290	8-4	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8360, 10640	CW	(JPL)
M89	8360	8-4	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8290, 10640	CW	(JPL)
M89	10640	8-4	1020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8290, 8360	CW	(JPL)
M89	7620	8-4	1030	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	8-4	1030	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	11123	8-4	1036	Thu	i.p. 6DUD T5UT TA35 3U7T 6NNU ...	CW	(JPL)
M89	4860	8-4	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6320, 6840, 8290, 8360, 10640	CW	(JPL)
M89	5640	8-4	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 6320, 6840, 8290, 8360, 10640	CW	(JPL)
M89	6320	8-4	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6840, 8290, 8360	CW	(JPL)
M89	6840	8-4	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 8290, 8360	CW	(JPL)

M89	8290	8-4	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8360	CW	(JPL)
M89	8360	8-4	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8290	CW	(JPL)
M89	3565	8-4	1126	Thu	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	8-4	1126	Thu	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	7620	8-4	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	8-4	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	5500	10-4	1205	Sat	i.p. NR RPT K QSA 3 QSA ? K R R QSA 5 NR QSA 3 QSA ? K KQSA 3 K (Both stations on this frequency)	CW	(JPL)
M89	3565	10-4	1859	Sat	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	10-4	1859	Sat	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4658	10-4	1903	Sat	V N72H (x3) DE 8SM4(x2)	CW	(JPL)
M89	4658	19-4	1116	Mon	V KP8W (x3) DE AMG7 (x2)	CW	(JPL)
M89	4700	19-4	1118	Mon	i.p. 5N47 DT63 A4D6 3U75 4AUT 65N3 UN3D ...	CW	(JPL)
M89	3860	19-4	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8290	CW	(JPL)
M89	4860	19-4	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6320, 6840, 8290, 8360	CW	(JPL)
M89	5640	19-4	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 6320, 6840, 8290, 8360	CW	(JPL)
M89	6320	19-4	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6840, 8290, 8360	CW	(JPL)
M89	6840	19-4	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 8290, 8360	CW	(JPL)
M89	8290	19-4	1120	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8360	CW	(JPL)
M89	4679	19-4	1127	Mon	i.p. F NR 1037/EX 1927 = .SF3..GM AR F NR 1037/EX 1927 = VSF.DNW2GM	CW	(JPL)
M89	3565	19-4	1154	Mon	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	19-4	1154	Mon	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	3565	22-4	2141	Thu	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	22-4	2141	Thu	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4658	22-4	2143	Thu	V KP8W (x3) DE AMG7 (x2)	CW	(JPL)
M89	4860	23-4	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6320, 6840, 8290, 8360,	CW	(JPL)
M89	5640	23-4	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 6320, 6840, 8290, 8360,	CW	(JPL)
M89	6320	23-4	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6840, 8290, 8360,	CW	(JPL)
M89	6840	23-4	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 8290, 8360,	CW	(JPL)
M89	8290	23-4	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8360,	CW	(JPL)
M89	8360	23-4	1120	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8290,	CW	(JPL)
M89	3565	23-4	1126	Fri	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	23-4	1126	Fri	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	4658	23-4	1127	Fri	V KP8W (x3) DE AMG7 (x2)	CW	(JPL)
M89	7676	23-4	1128	Fri	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	7620	23-4	1130	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	23-4	1130	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	5206	23-4	1139	Fri	i.p. TANA UDU4 D4TA AD6D T76T U646 DTUA TNTD ...	CW	(JPL)
M89	5206	23-4	1155	Fri	R QSL 1955 K R GA (Both stations on this frequency) MSG NR 1931 CK 201 06 0423 1930 RMKS 8364 TO 83.2 K	CW	(JPL)
M89	4874	23-4	1200	Fri	i.p. 7G GA K 7G NR 1120 CK 61 81 0423 2000 RMKS 7915 TO 73.6 K	CW	(JPL)
M89	6378	27-4	0843	Tue	V BSA5 (x3) DE TP4C (x2) //7045	CW	(JPL)
M89	7045	27-4	0843	Tue	V BSA5 (x3) DE TP4C (x2) //6378	CW	(JPL)
M89	10335	27-4	0848	Tue	i.p. R QSL 1510 K R 7G NR 060 CK 191 59 0427 1510 RMKS 5542 TO 4155 K //6378	CW	(JPL)
M89	7676	29-4	2219	Thu	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	3850	29-4	2220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620, 4860, 5640, 6320, 6840	CW	(JPL)
M89	4620	29-4	2220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4860, 5640, 6320, 6840	CW	(JPL)
M89	4860	29-4	2220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 5640, 6320, 6840	CW	(JPL)
M89	5640	29-4	2220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 4860, 6320, 6840	CW	(JPL)

M89	6320	29-4	2220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 4860, 5640, 6840	CW	(JPL)
M89	6840	29-4	2220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 4860, 5640, 6320	CW	(JPL)
M89	4720	29-4	2230	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	29-4	2230	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4658	29-4	2239	Thu	V N72H (x3) DE 8HM4 (x2)	CW	(JPL)
M89	4718	29-4	2241	Thu	V BSA5 (x3) DE TP4C (x2) //6378, 7045	CW	(JPL)
M89	6378	29-4	2241	Thu	V BSA5 (x3) DE TP4C (x2) //4718, 7045	CW	(JPL)
M89	7045	29-4	2241	Thu	V BSA5 (x3) DE TP4C (x2) //4718, 6378	CW	(JPL)
M89	4860	30-4	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6320, 6840, 8290, 8360, 10640	CW	(JPL)
M89	5640	30-4	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 6320, 6840, 8290, 8360, 10640	CW	(JPL)
M89	6320	30-4	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6840, 8290, 8360, 10640	CW	(JPL)
M89	6840	30-4	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 8290, 8360, 10640	CW	(JPL)
M89	8290	30-4	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8360, 10640	CW	(JPL)
M89	8360	30-4	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8290, 10640	CW	(JPL)
M89	10640	30-4	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8290, 8360	CW	(JPL)
M89	4718	30-4	1026	Fri	V BSA5 (x3) DE TP4C (x2)	CW	(JPL)
M89	7620	30-4	1030	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	30-4	1030	Fri	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	8633	30-4	1030	Fri	i.p. 5TA3 UNNA 3D6N 4337 3N6U T6NT TA4T T3T4 6A64 D44A ...	CW	(JPL)
M89	4222	30-4	1142	Fri	i.p. FF NR 1202/EX 1942 RMKS 7914 TO 7314 = AC31/BF49 AR	CW	(JPL)
M89	4658	30-4	1151	Fri	V N72H (x3) DE 8HM4 (x2)	CW	(JPL)
M89	3565	30-4	1152	Fri	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	4718	30-4	1152	Fri	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M95	5479	1-4	1030	Thu	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	1-4	1030	Thu	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	8784	1-4	1039	Thu	i.p. /CCK CK 51 24 0U01 VVV PSE U MSG GA	CW	(JPL)
M95	4364	2-4	1139	Fri	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY //8073	CW	(JPL)
M95	8073	2-4	1139	Fri	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY //4364	CW	(JPL)
M95	4243	2-4	1150	Fri	VV HR MSG TO YR PSE CY NR 035 CK 51 35 0402 1534 = //9054	CW	(JPL)
M95	9054	2-4	1150	Fri	VV HR MSG TO YR PSE CY NR 035 CK 51 35 0402 1534 = //4243	CW	(JPL)
M95	5479	2-4	1223	Fri	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	2-4	1223	Fri	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	7612	3-4	1033	Sat	i.p. 05	CW	(JPL)
M95	5479	3-4	1117	Sat	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	3-4	1117	Sat	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4364	3-4	1130	Sat	XSV85 callup in Chinese voice. Male operator //8073	CW	(JPL)
M95	8073	3-4	1130	Sat	XSV85 callup in Chinese voice. Male operator //4364	CW	(JPL)
M95	4364	3-4	1139	Sat	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0268 CK 292 35 0403 1604 = //8073	CW	(JPL)
M95	8073	3-4	1139	Sat	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0268 CK 292 35 0403 1604 = //4364	CW	(JPL)
M95	4243	3-4	1149	Sat	VV HR MSG TO YR PSE CY NR 037 CK 52 35 0403 1516 = 5AA UTT TT3 3U6 ...	CW	(JPL)
M95	5479	8-4	1034	Thu	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	8-4	1034	Thu	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4364	8-4	1132	Thu	BNGC DE XSV85 //8073	CW	(JPL)
M95	8073	8-4	1132	Thu	BNGC DE XSV85 //4364	CW	(JPL)
M95	4364	10-4	1142	Sat	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY //8073	CW	(JPL)
M95	8073	10-4	1142	Sat	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY //4364	CW	(JPL)
M95	4243	10-4	1150	Sat	35 0410 1538 = 5AA UTT TAT 3U6 3A4 5T7 5TD 75U 357 4TD //9054	CW	(JPL)

M95	9054	10-4	1150	Sat	35 0410 1538 = 5AA UTT TAT 3U6 3A4 5T7 5TD 75U 357 4TD //4243	CW	(JPL)
M95	3968	10-4	1857	Sat	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	10-4	1857	Sat	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	5479	19-4	1108	Mon	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	19-4	1108	Mon	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4364	19-4	1140	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0300 CK 329 35 0419 1555 = //8073	CW	(JPL)
M95	8073	19-4	1140	Mon	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0300 CK 329 35 0419 1555 = //4364	CW	(JPL)
M95	4243	19-4	1149	Mon	VV HR MSG TO YR PSE CY NR 069 CK 38 35 0419 1530 =	CW	(JPL)
M95	5479	22-4	1201	Thu	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	22-4	1201	Thu	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4364	23-4	1139	Fri	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY //8073	CW	(JPL)
M95	8073	23-4	1139	Fri	V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY //4364	CW	(JPL)
M95	4243	23-4	1148	Fri	VV HR MSG TO YR PSE CY NR 077 CK 70 35 0423 1550 =	CW	(JPL)
M95	5479	27-4	0834	Tue	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	27-4	0834	Tue	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	9054	27-4	0856	Tue	D33 DAT T U 773 353 N3D 354 DN7 366 ... AR A HR UP SB WK (Switched to voice)	CW	(JPL)
M95	5479	30-4	1010	Fri	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	30-4	1010	Fri	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4364	30-4	1140	Fri	i.p. TUA 773 TUU 773 TU3 773 ... //8073	CW	(JPL)
M95	8073	30-4	1140	Fri	i.p. TUA 773 TUU 773 TU3 773 ... //4364	CW	(JPL)
M95	9054	30-4	1200	Fri	i.p. HR 7G GA NR 60 CK .07 35 0430 1730 = UTU T3T 3U6 3A4 TTU 773 354 373 N3D 353 4AA 34T ...	CW	(JPL)
MX	4031	1-4	1757	Thu	Beacon V	CW	(CK)
MX	4205	1-4	1814	Thu	Beacon V	CW	(CK)
MX	5153.8	3-4	0657	Sat	Beacon P, Kaliningrad	CW	(AB)
MX	5153.7	3-4	0700	Sat	Beacon D, Sevastopol	CW	(AB)
MX	16331.7	3-4	1409	Sat	Beacon D, Sevastopol	CW	(AB)
MX	10872.2	3-4	1413	Sat	Beacon F, Vladivostok	CW	(F4LKC)
MX	13527.7	8-4	0733	Thu	Beacon D, Sevastopol	CW	(AB)
MX	13527.9	8-4	0733	Thu	Beacon S, Sevoromorsk	CW	(AB)
MX	13528	8-4	0733	Thu	Beacon C, Moscow	CW	(AB)
MX	16332.1	8-4	0736	Thu	Beacon A, Astrakhan	CW	(AB)
MX	16332.2	8-4	0736	Thu	Beacon F, Vladivostok	CW	(AB)
MX	16332.3	8-4	0736	Thu	Beacon K, Petropavlovsk-Kamtsjatski	CW	(AB)
MX	10871.7	8-4	0739	Thu	Beacon D, Sevastopol	CW	(AB)
MX	10872.1	8-4	0739	Thu	Beacon A, Astrakhan	CW	(AB)
MX	7508.7	8-4	0757	Thu	Beacon D, Sevastopol	CW	(AB)
MX	7508.8	8-4	0757	Thu	Beacon P, Kaliningrad	CW	(AB)
MX	7508.9	8-4	0757	Thu	Beacon S, Sevoromorsk	CW	(AB)
MX	7508.7	9-4	0545	Fri	Beacon D, Sevastopol	CW	(AB)
MX	7508.8	9-4	0545	Fri	Beacon P, Kaliningrad	CW	(AB)
MX	7508.9	9-4	0545	Fri	Beacon S, Sevoromorsk	CW	(AB)
MX	7508.8	22-4	0851	Thu	Beacon P, Kaliningrad	CW	(AB)
MX	8494.8	22-4	0851	Thu	Beacon P, Kaliningrad	CW	(AB)
MX	10871.8	22-4	0851	Thu	Beacon P, Kaliningrad	CW	(AB)
MX	13527.8	22-4	1011	Thu	Beacon P, Kaliningrad	CW	(AB)
P03e	14972	2-4	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14972	2-4	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)

P03e	14972	4-4	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14972	4-4	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5344	4-4	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5344	4-4	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	13911	5-4	0530	Mon	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	13911	5-4	0535	Mon	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	5344	6-4	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5344	6-4	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	13911	7-4	0530	Wed	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	13911	7-4	0535	Wed	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	14972	9-4	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14972	9-4	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14972	11-4	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14972	11-4	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5344	11-4	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5344	11-4	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	13911	12-4	0530	Mon	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	13911	12-4	0535	Mon	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	5344	13-4	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5344	13-4	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	13911	14-4	0530	Wed	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	13911	14-4	0535	Wed	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	14972	16-4	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14972	16-4	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14972	18-4	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14972	18-4	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	5344	18-4	1725	Sun	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	5344	18-4	1730	Sun	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	13911	19-4	0530	Mon	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	13911	19-4	0535	Mon	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	5344	20-4	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5344	20-4	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	13911	21-4	0530	Wed	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	13911	21-4	0535	Wed	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	14972	23-4	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14972	23-4	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14972	25-4	1440	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	14972	25-4	1445	Sun	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5344	27-4	1725	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	5344	27-4	1730	Tue	Polish intel.	QPSK 100Bd/488bp	(AB)
P03e	13911	28-4	0530	Wed	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	13911	28-4	0535	Wed	Polish intel.	QPSK 100Bd/488bp	(AB-POL)
P03e	14972	30-4	1440	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03e	14972	30-4	1445	Fri	Polish intel.	QPSK 100Bd/488bp	(AB/MPJ)
P03g	5844	1-4	0430	Thu	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	1-4	0435	Thu	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	7840	1-4	1800	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)

P03g	7840	1-4	1805	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	7840	6-4	1800	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7840	6-4	1805	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5844	7-4	0430	Wed	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	7-4	0435	Wed	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	8-4	0430	Thu	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	8-4	0435	Thu	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	7840	8-4	1800	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	7840	8-4	1805	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	7840	13-4	1800	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7840	13-4	1805	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5844	14-4	0430	Wed	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	14-4	0435	Wed	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	15-4	0430	Thu	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	15-4	0435	Thu	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	7840	15-4	1800	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	7840	15-4	1805	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	7840	20-4	1800	Tue	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	7840	20-4	1805	Tue	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	5844	21-4	0430	Wed	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	21-4	0435	Wed	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	22-4	0430	Thu	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	22-4	0435	Thu	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	7840	22-4	1800	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	7840	22-4	1805	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	7840	27-4	1800	Tue	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	7840	27-4	1805	Tue	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	5844	28-4	0430	Wed	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	28-4	0435	Wed	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	29-4	0430	Thu	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	5844	29-4	0435	Thu	Polish intel.	BPSK 50Bd/464-bp	(AB)
P03g	7840	29-4	1800	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	7840	29-4	1805	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03k	5815	2-4	0505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5815	2-4	0510	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10302	2-4	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10302	2-4	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5371	2-4	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5371	2-4	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	7469	3-4	0500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7469	3-4	0505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14865	3-4	1600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14865	3-4	1605	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7469	4-4	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5815	4-4	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7469	4-4	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5815	4-4	0510	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	13873	4-4	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	4-4	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10302	4-4	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10302	4-4	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	5-4	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	5371	5-4	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5371	5-4	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14865	7-4	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14865	7-4	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5815	9-4	0505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5815	9-4	0510	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10302	9-4	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10302	9-4	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5371	9-4	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	5371	9-4	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	14865	10-4	1600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14865	10-4	1605	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7469	11-4	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7469	11-4	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	11-4	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13873	11-4	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10302	11-4	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10302	11-4	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13873	12-4	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	12-4	1415	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	12-4	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	12-4	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14865	14-4	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14865	14-4	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5815	16-4	0505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5815	16-4	0510	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10302	16-4	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10302	16-4	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	16-4	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	16-4	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14865	17-4	1600	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14865	17-4	1605	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	7469	18-4	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5815	18-4	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7469	18-4	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5815	18-4	0510	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	18-4	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13873	18-4	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10302	18-4	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10302	18-4	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13873	19-4	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	19-4	1415	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	5371	19-4	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	19-4	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14865	21-4	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14865	21-4	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5815	23-4	0505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5815	23-4	0510	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10302	23-4	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10302	23-4	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5371	23-4	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5371	23-4	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	7469	24-4	0500	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7469	24-4	0505	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7469	25-4	0500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5815	25-4	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7469	25-4	0505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5815	25-4	0510	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	25-4	1410	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13873	25-4	1415	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10302	25-4	1500	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	10302	25-4	1505	Sun	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	13873	26-4	1410	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13873	26-4	1415	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	26-4	1635	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5371	26-4	1640	Mon	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14865	28-4	1600	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	14865	28-4	1605	Wed	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5815	30-4	0505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5815	30-4	0510	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10302	30-4	1500	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10302	30-4	1505	Fri	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5371	30-4	1635	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	5371	30-4	1640	Fri	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03l	7984	4-4	1120	Sun	Polish intel.	QPSK 100Bd/464pb	(AB)
P03l	7984	4-4	1125	Sun	Polish intel.	QPSK 100Bd/464pb	(AB)
P03l	7984	7-4	1120	Wed	Polish intel.	QPSK 100Bd/464pb	(AB/MPJ)
P03l	7984	7-4	1125	Wed	Polish intel.	QPSK 100Bd/464pb	(AB/MPJ)
P03l	5344	7-4	1230	Wed	Polish intel.	QPSK 100Bd/464pb	(AB)
P03l	5344	7-4	1235	Wed	Polish intel.	QPSK 100Bd/464pb	(AB)
P03l	7984	11-4	1120	Sun	Polish intel.	QPSK 100Bd/464pb	(AB/MPJ)
P03l	7984	11-4	1125	Sun	Polish intel.	QPSK 100Bd/464pb	(AB/MPJ)
P03l	7984	14-4	1120	Wed	Polish intel. Copied on cf 7955 7970 7985 8000 kHz	QPSK 100Bd/464pb	(AB)
P03l	7984	14-4	1125	Wed	Polish intel. Copied on cf 7955 7970 7985 8000 kHz	QPSK 100Bd/464pb	(AB)
P03l	5344	14-4	1230	Wed	Polish intel.	QPSK 100Bd/464pb	(MPJ)
P03l	7984	18-4	1120	Sun	Polish intel.	QPSK 100Bd/464pb	(AB/MPJ)
P03l	7984	18-4	1125	Sun	Polish intel.	QPSK 100Bd/464pb	(AB/MPJ)
P03l	7984	21-4	1120	Wed	Polish intel. Copied on cf 7955 7970 7985 8000 kHz	QPSK 100Bd/464pb	(AB/MPJ)
P03l	7984	21-4	1125	Wed	Polish intel. Copied on cf 7955 7970 7985 8000 kHz	QPSK 100Bd/464pb	(AB/MPJ)

P03I	7984	25-4	1120	Sun	Polish intel.	QPSK 100Bd/464pb	(AB)
P03I	7984	25-4	1125	Sun	Polish intel.	QPSK 100Bd/464pb	(AB)
P03I	7984	28-4	1120	Wed	Polish intel.	QPSK 100Bd/464pb	(AB)
P03I	7984	28-4	1125	Wed	Polish intel.	QPSK 100Bd/464pb	(AB)
Q26	4364	2-4	1131	Fri	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	2-4	1131	Fri	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	2-4	1147	Fri	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	2-4	1147	Fri	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	3-4	1131	Sat	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	3-4	1131	Sat	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	3-4	1143	Sat	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	8-4	1132	Thu	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	8-4	1132	Thu	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	10-4	1137	Sat	XSV85: messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	10-4	1137	Sat	XSV85: messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	10-4	1145	Sat	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	10-4	1145	Sat	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	19-4	1131	Mon	XSV85 sending messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	19-4	1131	Mon	XSV85 sending messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	19-4	1145	Mon	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	23-4	1131	Fri	Switched LSB at 1132z. XSV85 sending messages //8073	4+4 QPSK 75/3000 USB	(JPL)
Q26	8073	23-4	1131	Fri	Switched LSB at 1132z. XSV85 sending messages //4364	4+4 QPSK 75/3000 USB	(JPL)
Q26	4243	23-4	1143	Fri	Messages	4+4 QPSK 75/3000 LSB	(JPL)
RADv	5051.8	13-4	1410	Tue	Russian Air Defense station reading bearings/radar data. Female operator	LSB	(AB)
RMv	5045	1-4	1411	Thu	Four 10-counts, dayu eshchyo dlya nastrojki (still transmitting a signal for you to tune to) followed by another 10-count. Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 8693. 16 chasov 15 minut	USB	(AB-POL)
RMv	5045	2-4	1410	Fri	10-counts. Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 4832. 16 chasov 14 minut konec svyazi	USB	(AB-POL)
RMv	5045	5-4	1402	Mon	Lots of 10-counts. At 1412 UTC: Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 1523. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	7-4	1411	Wed	10-counts. Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 6693. 16 chasov 14 minut konec svyazi	USB	(AB-POL)
RMv	5045	8-4	1412	Thu	Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 4418. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	12-4	1412	Mon	Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 2879. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	6830	13-4	1325	Tue	Russian military testing: 1-10 count in Russian, then A-Z in NATO phonetics, then Russian 1-10 count, priyom	USB	(Gwr)
RMv	5045	13-4	1412	Tue	Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 7287. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	14-4	1411	Wed	10-counts. Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 5543. 16 chasov 14 minut konec svyazi	USB	(AB-POL)
RMv	5045	15-4	1412	Thu	Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 8573. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	19-4	1411	Mon	Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 8752. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	20-4	1415	Tue	Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 1645. 16 chasov 15 minut konec svyazi	USB	(Gwr)
RMv	5045	21-4	1411	Wed	Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 9847. 16 chasov 15 minut konec svyazi	USB	(AB-POL/Gwr)
RMv	5045	22-4	1412	Thu	Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 3465. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	26-4	1412	Mon	Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 7582. 16 chasov 15 minut konec svyazi	USB	(AB-RUS/Gwr)
RMv	5045	27-4	1415	Tue	Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 5347. 16 chasov 15 minut konec svyazi	USB	(AB/Gwr)
RMv	5045	28-4	1411	Wed	Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 5146. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
RMv	5045	29-4	1412	Thu	Tsaplya Tsaplya Ya Znamya primite radiogrammu. Signal 1549. 16 chasov 15 minut konec svyazi	USB	(AB-POL)
S06	19078	2-4	0830	Fri	842 791 50 49885 ...	USB	(HFD-CHN)
S06	16318	2-4	0930	Fri	842 791 50 49885 ...	USB	(HFD-J)
S06	9056	2-4	1900	Fri	768 768 768 00000	USB	(AB/HFD)

S06	6825	2-4	2000	Fri	768 768 768 00000	USB	(AB/HFD)
S06	11487	3-4	1300	Sat	480 379 41 67421 97700 61483 ... 87099 87476 80378 379 41 00000	USB	(AB/MPJ/HFD)
S06	9412	3-4	1330	Sat	480 379 41 67421 97700 61483 ... 87099 87476 80378 379 41 00000	USB	(AB/MPJ/HFD)
S06	13945	4-4	0930	Sun	480 379 41 67421 97700 61483 ... 87099 87476 80378 379 41 00000	USB	(AB/HFD)
S06	11128	4-4	1000	Sun	480 379 41 67421 97700 61483 ... 87099 87476 80378 379 41 00000	USB	(AB/HFD)
S06	11487	10-4	1300	Sat	480 156 42 73746 95785 34200 ... 43254 06973 93248 156 42 00000	USB	(AB)
S06	9412	10-4	1330	Sat	480 156 42 73746 95785 34200 ... 43254 06973 93248 156 42 00000	USB	(AB)
S06	13945	11-4	0930	Sun	480 156 42 73746 95785 34200 ... 43254 06973 93248 156 42 00000	USB	(AB)
S06	11128	11-4	1000	Sun	480 156 42 73746 95785 34200 ... 43254 06973 93248 156 42 00000	USB	(AB)
S06	19078	15-4	0830	Thu	842 907 31 15386 27007 51887 ... 52515 77742 72905 907 31 00000	USB	(AB-RUS)
S06	16318	15-4	0930	Thu	842 907 31 15386 27007 51887 ... 52515 77742 72905 907 31 00000	USB	(AB-KOR)
S06	6825	16-4	2000	Fri	768 768 768 00000	USB	(AB)
S06	11487	17-4	1300	Sat	480 972 43 99625 71339 69531 ... 02521 55044 77254 972 43 00000	USB	(AB/MPJ)
S06	9412	17-4	1330	Sat	480 972 43 99625 71339 69531 ... 02521 55044 77254 972 43 00000	USB	(AB/MPJ)
S06	13945	18-4	0930	Sun	480 972 43 99625 71339 69531 ... 02521 55044 77254 972 43 00000	USB	(AB)
S06	11128	18-4	1000	Sun	480 972 43 99625 71339 69531 ... 02521 55044 77254 972 43 00000	USB	(AB)
S06	13993	23-4	0300	Fri	105 234 50 30922 56008 11006 ... 69754 07690 25162 234 50 00000. At 0314z H3E TX noise. At 0317z H3E descend- ing Shepard-Risset glissando and back to noise	USB	(PY)
S06	10202	23-4	0320	Fri	105 234 50 30922 56008 11006 ... 69754 07690 25162 234 50 00000	USB	(PY)
S06	11487	24-4	1300	Sat	480 136 44 61188 95389 50048 ... 96640 58228 64164 136 44 00000	USB	(AB)
S06	9412	24-4	1330	Sat	480 136 44 61188 95389 50048 ... 96640 58228 64164 136 44 00000	USB	(AB)
S06	13945	25-4	0930	Sun	480 136 44 61188 95389 50048 ... 96640 58228 64164 136 44 00000	USB	(AB)
S06	11128	25-4	1000	Sun	480 136 44 61188 95389 50048 ... 96640 58228 64164 136 44 00000	USB	(AB)
S06	9322	26-4	0420	Mon	i.p. 98591 93526 85605 32663 ... 04971 98602 79683 973 63 00000	USB	(Subilo)
S06	9322	27-4	0420	Tue	480 162 55 55772 48649 10800 ... 03615 75913 99784 162 55 00000	USB	(PY)
S06	11616	28-4	0400	Wed	480 957 65 43064 61108 41323 ... 25147 10915 06306 957 65 00000	USB	(PY)
S06	9322	28-4	0420	Wed	480 957 65 43064 61108 41323 ... 25147 10915 06306 957 65 00000	USB	(PY)
S06	11616	29-4	0401	Thu	Late start. 480 631 56 47552 20075 04642 ... 55301 90929 62453 631 56 00000	USB	(PY)
S06	9322	29-4	0420	Thu	480 631 56 47552 20075 04642 ... 55301 90929 62453 631 56 00000	USB	(PY)
S06	11616	30-4	0402	Fri	Late start. 480 927 62 06024 36381 73736 ... 68513 40701 30760 927 62. No 00000 outro	USB	(PY)
S06	9322	30-4	0421	Fri	Late start. 480 927 62 06024 36381 73736 ... 68513 40701 30760 927 62 00000	USB	(PY)
S06b	5783	16-4	1200	Fri	936 936 936 66666 66666 66666. 936 936 936 26832 26832 (R4) 11111 11111 26212 (R4) 11111 ... 23471 00000 00000	USB	(Gwr)
S06b	5783	23-4	0828	Fri	i.p. 26202 11111 55555 21376 20172 26797 25845 24765 00000	USB	(kalv)
S06c	10153	15-4	0715	Thu	11004 (R4)	USB	(toni2k)
S06c	5783	16-4	1154	Fri	66936 (R1m30)	USB	(Gwr)
S06s	11530	1-4	0830	Thu	172 490 5 61881 70151 56499 37086 11887 490 5 00000	USB	(AB)
S06s	12140	1-4	0840	Thu	172 490 5 61881 70151 56499 37086 11887 490 5 00000	USB	(AB)
S06s	9081	1-4	0930	Thu	698 432 5 99183 39237 75604 14597 72729 432 5 00000	AM	(AB)
S06s	10514	1-4	0940	Thu	698 432 5 99183 39237 75604 14597 72729 432 5 00000	AM	(AB)
S06s	12415	1-4	1200	Thu	175 429 6 09721 52734 77986 44367 37528 22839 429 6 00000	USB	(AB/MPJ)
S06s	14212	1-4	1210	Thu	175 429 6 09721 52734 77986 44367 37528 22839 429 6 00000	USB	(AB/MPJ)
S06s	12140	2-4	0830	Fri	156 290 7 72943 36679 05666 60982 08338 47373 40174 290 7 00000	USB	(AB)
S06s	13515	2-4	0840	Fri	156 290 7 72943 36679 05666 60982 08338 47373 40174 290 7 00000	USB	(AB)
S06s	5744	2-4	0900	Fri	239 401 5 22174 82024 08127 51012 43767 401 5 00000	USB	(AB)
S06s	6524	2-4	0910	Fri	239 401 5 22174 82024 08127 51012 43767 401 5 00000	USB	(AB)
S06s	10350	3-4	0800	Sat	132 497 5 83630 93731 58291 64212 67195 497 5 00000	USB	(AB)

S06s	8520	3-4	0810	Sat	132 497 5 83630 93731 58291 64212 67195 497 5 00000	USB	(AB)
S06s	22185	5-4	0630	Mon	462 815 7 13621 26252 72057 44817 79106 37937 56723 815 7 00000	USB	(AB-UKR)
S06s	20050	5-4	0640	Mon	462 815 7 13621 26252 72057 44817 79106 37937 56723 815 7 00000	USB	(AB-UKR)
S06s	9220	5-4	0830	Mon	764 820 5 04537 87875 47152 23486 80331 820 5 00000	USB	(AB)
S06s	8270	5-4	0840	Mon	764 820 5 04537 87875 47152 23486 80331 820 5 00000	USB	(AB)
S06s	14580	5-4	0900	Mon	232 481 5 06376 48057 12261 19473 24978 481 5 00000	USB	(AB)
S06s	13165	5-4	0910	Mon	232 481 5 06376 48057 12261 19473 24978 481 5 00000	USB	(AB)
S06s	9145	5-4	1200	Mon	149 6 572 83620 93731 58291 64212 67194 21969 572 6 00000	USB	(AB/MPJ-HNG)
S06s	11460	5-4	1210	Mon	149 6 572 83620 93731 58291 64212 67194 21969 572 6 00000	USB	(AB/MPJ-HNG)
S06s	15855	6-4	0600	Tue	438 926 5 72943 26679 05666 60982 08228 926 5 00000	USB	(AB-POL)
S06s	16485	6-4	0610	Tue	438 926 5 72943 26679 05666 60982 08228 926 5 00000	USB	(AB-POL)
S06s	5760	6-4	0700	Tue	452 837 6 04537 87875 47152 23486 80331 17613 837 6 00000	USB	(AB)
S06s	6930	6-4	0710	Tue	452 837 6 04537 87875 47152 23486 80331 17613 837 6 00000	USB	(AB)
S06s	7425	6-4	0730	Tue	427 830 5 06376 48057 13361 19474 34978 830 5 00000	USB	(AB)
S06s	11560	6-4	0740	Tue	427 830 5 06376 48057 13361 19474 34978 830 5 00000	USB	(AB)
S06s	11635	6-4	0800	Tue	127 804 5 83630 93731 58291 64212 67195 804 5 00000	USB	(AB)
S06s	10420	6-4	0810	Tue	127 804 5 83630 93731 58291 64212 67195 804 5 00000	USB	(AB)
S06s	6410	6-4	1000	Tue	427 986 5 35673 81934 80610 87030 68010 986 5 00000	USB	(AB)
S06s	7340	6-4	1010	Tue	427 986 5 35673 81934 80610 87030 68010 986 5 00000	USB	(AB)
S06s	6190	6-4	1100	Tue	265 983 7 27448 67187 78872 89997 60403 70538 20786 983 7 00000	USB	(AB)
S06s	7230	6-4	1110	Tue	265 983 7 27448 67187 78872 89997 60403 70538 20786 983 7 00000	USB	(AB)
S06s	9082	7-4	0830	Wed	464 218 5 83630 93731 58291 64212 67195 218 5 00000	USB	(AB)
S06s	9952	7-4	0840	Wed	464 218 5 83630 93731 58291 64212 67195 218 5 00000	USB	(AB)
S06s	11530	8-4	0830	Thu	172 490 5 61881 70151 56499 37086 11887 490 5 00000	USB	(AB)
S06s	12140	8-4	0840	Thu	172 490 5 61881 70151 56499 37086 11887 490 5 00000	USB	(AB)
S06s	9081	8-4	0930	Thu	698 432 5 99183 39237 75604 14597 72729 432 5 00000	AM	(AB)
S06s	10514	8-4	0940	Thu	698 432 5 99183 39237 75604 14597 72729 432 5 00000	AM	(AB)
S06s	12415	8-4	1200	Thu	175 429 6 09721 52734 77986 44367 37528 22839 429 6 00000	USB	(AB/GHn)
S06s	14212	8-4	1210	Thu	175 429 6 09721 52734 77986 44367 37528 22839 429 6 00000	USB	(AB)
S06s	12140	9-4	0830	Fri	156 290 7 72943 36679 05666 60982 08338 47373 40174 290 7 00000	USB	(AB)
S06s	13515	9-4	0840	Fri	156 290 7 72943 36679 05666 60982 08338 47373 40174 290 7 00000	USB	(AB)
S06s	5744	9-4	0900	Fri	239 401 5 22174 82024 08127 51012 43767 401 5 00000	USB	(AB)
S06s	6524	9-4	0910	Fri	239 401 5 22174 82024 08127 51012 43767 401 5 00000	USB	(AB)
S06s	22185	12-4	0630	Mon	462 815 7 13621 26252 72057 44817 79106 37937 56723 815 7 00000	USB	(AB-UKR)
S06s	20050	12-4	0640	Mon	462 815 7 13621 26252 72057 44817 79106 37937 56723 815 7 00000	USB	(AB-UKR)
S06s	9220	12-4	0830	Mon	764 820 5 04537 87875 47152 23486 80331 820 5 00000	USB	(AB)
S06s	8270	12-4	0840	Mon	764 820 5 04537 87875 47152 23486 80331 820 5 00000	USB	(AB)
S06s	14580	12-4	0900	Mon	232 481 5 06376 48057 12261 19473 24978 481 5 00000	USB	(AB)
S06s	13165	12-4	0910	Mon	232 481 5 06376 48057 12261 19473 24978 481 5 00000	USB	(AB)
S06s	9145	12-4	1200	Mon	149 6 572 83620 93731 58291 64212 67194 21969 572 6 00000	USB	(AB/MPJ)
S06s	11460	12-4	1210	Mon	149 6 572 83620 93731 58291 64212 67194 21969 572 6 00000	USB	(AB/MPJ)
S06s	15855	13-4	0600	Tue	438 926 5 72943 26679 05666 60982 08228 926 5 00000	USB	(AB-KWT)
S06s	16485	13-4	0610	Tue	438 926 5 72943 26679 05666 60982 08228 926 5 00000	USB	(AB-kWT)
S06s	5760	13-4	0700	Tue	452 837 6 04537 87875 47152 23486 80331 17613 837 6 00000	USB	(AB)
S06s	6930	13-4	0710	Tue	452 837 6 04537 87875 47152 23486 80331 17613 837 6 00000	USB	(AB)
S06s	7425	13-4	0730	Tue	427 830 5 06376 48057 13361 19474 34978 830 5 00000	USB	(AB)
S06s	11560	13-4	0740	Tue	427 830 5 06376 48057 13361 19474 34978 830 5 00000	USB	(AB)

S06s	11635	13-4	0800	Tue	127 804 5 83630 93731 58291 64212 67195 804 5 00000	USB	(AB)
S06s	10420	13-4	0810	Tue	127 804 5 83630 93731 58291 64212 67195 804 5 00000	USB	(AB)
S06s	6410	13-4	1000	Tue	427 986 5 35673 81934 80610 87030 68010 986 5 00000	USB	(AB)
S06s	7340	13-4	1010	Tue	427 986 5 35673 81934 80610 87030 68010 986 5 00000	USB	(AB)
S06s	6190	13-4	1100	Tue	265 983 7 27448 67187 78872 89997 60403 70538 20786 983 7 00000	USB	(AB)
S06s	7230	13-4	1110	Tue	265 983 7 27448 67187 78872 89997 60403 70538 20786 983 7 00000	USB	(AB)
S06s	9082	14-4	0830	Wed	464 218 5 83630 93731 58291 64212 67195 218 5 00000	USB	(AB)
S06s	9952	14-4	0840	Wed	464 218 5 83630 93731 58291 64212 67195 218 5 00000	USB	(AB)
S06s	11530	15-4	0830	Thu	172 469 5 07022 32734 34771 48591 47281 469 5 00000	USB	(AB)
S06s	12140	15-4	0840	Thu	172 469 5 07022 32734 34771 48591 47281 469 5 00000	USB	(AB)
S06s	9081	15-4	0930	Thu	698 241 5 81155 15870 20136 51533 38142 241 5 00000	AM	(AB)
S06s	10514	15-4	0940	Thu	698 241 5 81155 15870 20136 51533 38142 241 5 00000	AM	(AB)
S06s	12415	15-4	1200	Thu	175 408 6 73687 04565 39895 91670 29257 69816 408 6 00000	USB	(AB/MPJ)
S06s	14212	15-4	1210	Thu	175 408 6 73687 04565 39895 91670 29257 69816 408 6 00000	USB	(AB/MPJ)
S06s	12140	16-4	0830	Fri	156 823 7 21767 53672 11834 81022 36903 41412 55678 823 7 00000	USB	(AB)
S06s	13515	16-4	0840	Fri	156 823 7 21767 53672 11834 81022 36903 41412 55678 823 7 00000	USB	(AB)
S06s	5744	16-4	0900	Fri	239 806 5 46062 68672 97478 39685 30485 806 5 00000	USB	(AB)
S06s	6524	16-4	0910	Fri	239 806 5 46062 68672 97478 39685 30485 806 5 00000	USB	(AB)
S06s	9056	16-4	1900	Fri	768 768 768 00000	USB	(AB)
S06s	22185	19-4	0630	Mon	462 unreadable	USB	(AB-UKR)
S06s	9220	19-4	0830	Mon	764 928 5 47154 25660 69885 96882 30034 928 5 00000	USB	(AB)
S06s	8270	19-4	0840	Mon	764 928 5 47154 25660 69885 96882 30034 928 5 00000	USB	(AB)
S06s	14580	19-4	0900	Mon	232 951 6 08631 58082 26270 08982 92728 26050 951 6 00000	USB	(AB)
S06s	13165	19-4	0910	Mon	232 951 6 08631 58082 26270 08982 92728 26050 951 6 00000	USB	(AB)
S06s	9145	19-4	1200	Mon	149 857 6 32314 34896 82736 36376 35685 44850 857 6 00000	USB	(AB)
S06s	11460	19-4	1210	Mon	149 857 6 32314 34896 82736 36376 35685 44850 857 6 00000	USB	(AB)
S06s	5760	20-4	0700	Tue	452 819 6 54544 50128 99477 83574 48874 94031 819 6 00000	USB	(AB)
S06s	6930	20-4	0710	Tue	452 819 6 54544 50128 99477 83574 48874 94031 819 6 00000	USB	(AB)
S06s	7425	20-4	0730	Tue	427 981 5 82045 36717 24042 75956 31670 981 5 00000	USB	(AB)
S06s	11560	20-4	0740	Tue	427 981 5 82045 36717 24042 75956 31670 981 5 00000	USB	(AB)
S06s	11635	20-4	0800	Tue	127 849 5 09394 76911 75155 92918 97067 849 5 00000	USB	(AB)
S06s	10420	20-4	0810	Tue	127 849 5 09394 76911 75155 92918 97067 849 5 00000	USB	(AB)
S06s	6410	20-4	1000	Tue	427 963 5 88620 58069 61732 74537 57440 963 5 00000	USB	(AB)
S06s	7340	20-4	1010	Tue	427 963 5 88620 58069 61732 74537 57440 963 5 00000	USB	(AB)
S06s	6190	20-4	1100	Tue	265 804 6 52401 63919 92699 14600 74248 48574 804 6 00000	USB	(MPJ)
S06s	7230	20-4	1110	Tue	265 804 6 52401 63919 92699 14600 74248 48574 804 6 00000	USB	(MPJ)
S06s	9082	21-4	0830	Wed	464 281 5 59901 77233 61736 08531 34998 281 5 00000	USB	(AB)
S06s	9952	21-4	0840	Wed	464 281 5 59901 77233 61736 08531 34998 281 5 00000	USB	(AB)
S06s	13365	21-4	1000	Wed	276 918 5 10559 17237 16945 21817 22543 918 5 00000	USB	(AB)
S06s	14505	21-4	1010	Wed	276 918 5 10559 17237 16945 21817 22543 918 5 00000	USB	(AB)
S06s	11530	22-4	0830	Thu	172 469 5 07022 32734 34771 48591 47281 869 5 00000	USB	(AB)
S06s	12140	22-4	0840	Thu	172 469 5 07022 32734 34771 48591 47281 869 5 00000	USB	(AB)
S06s	9081	22-4	0930	Thu	698 241 5 81155 15870 20136 51533 38142 241 5 00000	AM	(AB)
S06s	10514	22-4	0940	Thu	698 241 5 81155 15870 20136 51533 38142 241 5 00000	AM	(AB)
S06s	12415	22-4	1200	Thu	175 408 6 73687 04565 39895 91670 29257 69816 408 6 00000	USB	(AB/MPJ)
S06s	14212	22-4	1210	Thu	175 408 6 73687 04565 39895 91670 29257 69816 408 6 00000	USB	(AB/MPJ)
S06s	12140	23-4	0830	Fri	156 823 7 21767 53672 11834 81022 36903 41412 55678 823 7 00000	USB	(AB)

S06s	12140	23-4	0840	Fri	172 469 5 07022 32734 34771 48591 47281 469 5 00000 (unintentional transmission. Repeat of 15 and 22-4)	USB	(AB)
S06s	13515	23-4	0840	Fri	156 823 7 21767 53672 11834 81022 36903 41412 55678 823 7 00000	USB	(AB)
S06s	5744	23-4	0900	Fri	239 806 5 46062 68672 97478 39685 30485 806 5 00000	USB	(AB)
S06s	6524	23-4	0910	Fri	239 806 5 46062 68672 97478 39685 30485 806 5 00000	USB	(AB)
S06s	9220	26-4	0830	Mon	764 928 5 47154 25660 69885 96882 30034 928 5 00000	USB	(AB)
S06s	8270	26-4	0840	Mon	764 928 5 47154 25660 69885 96882 30034 928 5 00000	USB	(AB)
S06s	14580	26-4	0900	Mon	232 951 6 08631 58082 26270 08982 92728 26050 951 6 00000	USB	(AB-UKR)
S06s	13165	26-4	0910	Mon	232 951 6 08631 58082 26270 08982 92728 26050 951 6 00000	USB	(AB-UKR)
S06s	9145	26-4	1200	Mon	149 857 6 32314 34896 82736 36376 35685 44850 857 6 00000	USB	(AB/MPJ-HNG)
S06s	11460	26-4	1210	Mon	149 857 6 32314 34896 82736 36376 35685 44850 857 6 00000	USB	(AB/MPJ-HNG)
S06s	5760	27-4	0700	Tue	452 819 6 54544 50128 99477 83574 48874 94031 819 6 00000	USB	(AB)
S06s	6930	27-4	0710	Tue	452 819 6 54544 50128 99477 83574 48874 94031 819 6 00000	USB	(AB)
S06s	7425	27-4	0730	Tue	427 981 5 82045 36717 24042 75956 31670 981 5 00000	USB	(AB)
S06s	11560	27-4	0740	Tue	427 981 5 82045 36717 24042 75956 31670 981 5 00000	USB	(AB)
S06s	11635	27-4	0800	Tue	127 849 5 09394 76911 75155 92918 97067 849 5 00000	USB	(AB)
S06s	10420	27-4	0810	Tue	127 849 5 09394 76911 75155 92918 97067 849 5 00000	USB	(AB)
S06s	6410	27-4	1000	Tue	427 963 5 88620 58069 61732 74537 57440 963 5 00000	USB	(AB)
S06s	7340	27-4	1010	Tue	427 963 5 88620 58069 61732 74537 57440 963 5 00000	USB	(AB/F5JBR)
S06s	6190	27-4	1100	Tue	265 804 6 52401 63919 92699 14600 74248 48574 804 6 00000	USB	(AB/MPJ)
S06s	7230	27-4	1110	Tue	265 804 6 52401 63919 92699 14600 74248 48574 804 6 00000	USB	(AB/MPJ)
S06s	9082	28-4	0830	Wed	464 281 5 59901 77233 61736 08531 34998 281 5 00000	USB	(AB)
S06s	9952	28-4	0840	Wed	464 281 5 59901 77233 61736 08531 34998 281 5 00000	USB	(AB)
S06s	13365	28-4	1000	Wed	276 918 5 10559 17237 16945 21817 22543 918 5 00000	USB	(AB)
S06s	14505	28-4	1010	Wed	276 918 5 10559 17237 16945 21817 22543 918 5 00000	USB	(AB)
S06s	11530	29-4	0830	Thu	172 172 172 00000	USB	(AB)
S06s	12140	29-4	0840	Thu	172 172 172 00000	USB	(AB)
S06s	9081	29-4	0930	Thu	698 698 698 00000	AM	(AB)
S06s	10514	29-4	0940	Thu	698 698 698 00000	AM	(AB)
S06s	12415	29-4	1200	Thu	175 175 175 00000	USB	(AB/MPJ)
S06s	14212	29-4	1210	Thu	175 175 175 00000	USB	(AB/MPJ)
S06s	12140	30-4	0830	Fri	156 156 156 00000	USB	(AB)
S06s	13515	30-4	0840	Fri	156 156 156 00000	USB	(AB)
S06s	5744	30-4	0900	Fri	239 239 239 00000	USB	(AB)
S06s	6524	30-4	0910	Fri	239 239 239 00000	USB	(AB)
S11a	8597	1-4	0700	Thu	477/00	USB	(AB)
S11a	6480	2-4	0915	Fri	482/00	USB	(AB)
S11a	8088	2-4	1020	Fri	424/00	USB	(AB)
S11a	10213	3-4	1850	Sat	285/00	USB	(AB-POL/MPJ)
S11a	11116	4-4	1650	Sun	926/00	USB	(AB)
S11a	11116	5-4	0510	Mon	654/00	USB	(AB-POL)
S11a	8597	5-4	0700	Mon	479/00	USB	(AB)
S11a	6480	5-4	0915	Mon	483/33 Vnimanije 66702 64626 49335 ... 54555 75200 65684 Vnimanije (message repeated) Konets	USB	(AB)
S11a	11116	7-4	0510	Wed	654/00	USB	(AB-POL)
S11a	10213	7-4	1850	Wed	288/00	USB	(AB)
S11a	8597	8-4	0700	Thu	477/00	USB	(AB)
S11a	6480	9-4	0915	Fri	483/33 Vnimanije 66702 64626 49335 ... 54555 75200 65684 Vnimanije (message repeated) Konets	USB	(AB/Gwr)
S11a	8088	9-4	1020	Fri	427/00	USB	(AB)

S11a	6433	10-4	0830	Sat	378/00	USB	(AB)
S11a	10213	10-4	1850	Sat	280/00	USB	(AnEur)
S11a	6433	11-4	0830	Sun	373/00	USB	(AB)
S11a	11116	12-4	0510	Mon	659/38 Vnimanije 40014 09648 63053 ... 00716 26633 03667 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	8597	12-4	0700	Mon	478/00	USB	(AB)
S11a	6480	12-4	0915	Mon	487/00	USB	(AB)
S11a	8088	13-4	1020	Tue	423/00	USB	(AB)
S11a	11116	14-4	0510	Wed	659/38 Vnimanije 40014 09648 63053 ... 00716 26633 03667 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	10213	14-4	1850	Wed	287/00	USB	(AB/MPJ)
S11a	8597	15-4	0700	Thu	472/00	USB	(AB)
S11a	6480	16-4	0915	Fri	481/00	USB	(AB)
S11a	8088	16-4	1020	Fri	426/00	USB	(AB)
S11a	6433	17-4	0830	Sat	376/30 Vnimanije 45145 45572 79936 ... 35065 63306 06321 Vnimanije (message repeated) Konets	USB	(AB)
S11a	10213	17-4	1850	Sat	288/00	USB	(AB)
S11a	6433	18-4	0830	Sun	376/30 Vnimanije 45145 45572 79936 ... 35065 63306 06321 Vnimanije (message repeated) Konets	USB	(AB)
S11a	11116	19-4	0510	Mon	657/00	USB	(AB)
S11a	8597	19-4	0700	Mon	477/34 Vnimanije 35399 60206 29888 ... 79075 97546 64788 Vnimanije (message repeated)	USB	(AB)
S11a	8088	20-4	1020	Tue	427/00	USB	(AB)
S11a	11116	21-4	0510	Wed	651/00	USB	(AB-POL)
S11a	10213	21-4	1850	Wed	282/37 Vnimanije 21971 57367 82405 ... 29830 58559 37946 Vnimanije (message repeated) Konets	USB	(AB-POL/MPJ)
S11a	8597	22-4	0700	Thu	477/34 Vnimanije 35399 60206 29888 ... 79075 97546 64788 Vnimanije (message repeated)	USB	(AB)
S11a	6480	23-4	0915	Fri	485/00	USB	(AB)
S11a	8088	23-4	1020	Fri	429/00	USB	(AB)
S11a	6433	24-4	0830	Sat	373/00	USB	(AB)
S11a	10213	24-4	1850	Sat	282/37 Vnimanije 21971 57367 82405 ... 29830 58559 37946 Vnimanije (message repeated) Konets	USB	(AB)
S11a	6433	25-4	0830	Sun	372/00	USB	(AB)
S11a	11116	26-4	0510	Mon	659/00	USB	(AB/HFD-POL)
S11a	8597	26-4	0700	Mon	479/00	USB	(AB)
S11a	6480	26-4	0915	Mon	484/00	USB	(AB/Gwr)
S11a	8088	27-4	1020	Tue	426/37 Vnimanije 65780 19296 70228 ... 97229 43847 21620 Vnimanije (message repeated) Konets	USB	(AB/MPJ)
S11a	11116	28-4	0510	Wed	655/00	USB	(AB-POL)
S11a	10213	28-4	1850	Wed	288/00	USB	(AB-POL)
S11a	8597	29-4	0700	Thu	475/00	USB	(AB)
S11a	6480	30-4	0915	Fri	481/00	USB	(AB)
S11a	8088	30-4	1020	Fri	426/37 Vnimanije 65780 19296 70228 ... 97229 43847 21620 Vnimanije (message repeated) Konets	USB	(AB)
S30	5448	19-4	1139	Mon	JVB1 85591 VAL'CYeVANIYe 9517 4191	USB	(Gwr)
S30	5448	22-4	0845	Thu	JVB1 YaLOHOR 109	USB	(Gwr)
S30	5448	22-4	0939	Thu	JVB1 54233 VLASTYeLIN 2186 4084	USB	(Gwr)
S30	5448	22-4	1502	Thu	JVB1 48115 ZVONODONG 8962 8922	USB	(Gwr)
S30	5448	26-4	0840	Mon	JVB1 ChYeSTNOST' 151 SBYTOSYeV 112	USB	(Gwr)
S32	5473	8-4	0841	Thu	Al'fa-45 ChYeSTNOST' 151	USB	(Gwr)
S32	5473	19-4	1243	Mon	Al'fa-45 01200 VOINOKAN 7910 1715	USB	(Gwr)
S32	5473	22-4	0847	Thu	Al'fa-45 61590 KARMINNYJ 1927 9625	USB	(Gwr)
S32	5473	22-4	0847	Thu	Al'fa-45 YaLOHOR 109	USB	(Gwr)
S32	5473	22-4	1057	Thu	Al'fa-45 66677 KORTOKORD 9265 4569	USB	(Gwr)
S32	5473	26-4	0842	Mon	Al'fa-45 ChYeSTNOST' 151 SBYTOSYeV 112	USB	(Gwr)
S32	5473	26-4	1237	Mon	Al'fa-45 54579 UDYeLOZAIR 7880 9554	USB	(Gwr)

S32	5473	27-4	0900	Tue	Dubler-68 Stazher-29 Leggina-38 Stupa-32 Utes-94 Dzhigit-46 Storozh-62 Kurgan-40	USB	(Gwr)
UM03	5599	2-4	1216	Fri	i.p. NUAT4 D6A34 546A4 5UA43 ...	CW	(JPL-KOR)
UM03	4223	23-4	1152	Fri	i.p. = JNERH TLQUF QSQJG EKFFI MANTP GQBNK TFNLN ...	CW	(JPL-HK)
UM10	4310	2-4	1204	Fri	10-minutes net: QK4S	CW	(JPL-KOR)
UM10	4310	2-4	1730	Fri	10-minutes net: QK4S	CW	(JPL-RUS)
UM10	5755	8-4	1016	Thu	10-minutes net: NTQN //6776 kHz	CW	(JPL-KOR)
UM10	6776	8-4	1016	Thu	10-minutes net: NTQN //5755 kHz	CW	(JPL-KOR)
V07	12218	4-4	0300	Sun	254 254 254 1 6111 24 6111 24 14524 99169 88115 ... 73107 20422 04811 000 000	USB	(Dan/HFD-RUS)
V07	11518	4-4	0320	Sun	254 254 254 1 6111 24 6111 24 14524 99169 88115 ... 73107 20422 04811 000 000	USB	(HFD-RUS)
V07	10418	4-4	0340	Sun	254 254 254 1 6111 24 6111 24 14524 99169 88115 ... 73107 20422 04811 000 000	USB	(HFD-RUS)
V07	12218	11-4	0300	Sun	254 254 254 1 6111 24 6111 24 14524 99169 88115 ... 73107 20422 04811 000 000	USB	(ES/Dan)
V07	11518	11-4	0320	Sun	254 254 254 1 6111 24 6111 24 14524 99169 88115 ... 73107 20422 04811 000 000	USB	(ES/Dan)
V07	10418	11-4	0340	Sun	254 254 254 1 6111 24 6111 24 14524 99169 88115 ... 73107 20422 04811 000 000	USB	(ES/Dan)
V07	12218	18-4	0300	Sun	254 254 254 000	USB	(Dan)
V07	11518	18-4	0320	Sun	254 254 254 000	USB	(Dan)
V07	12218	25-4	0300	Sun	254 254 254 1 3999 80 3999 80 64708 39694 59006 ... 66615 05412 49601 000 000	USB	(Dan)
V07	11518	25-4	0320	Sun	254 254 254 1 3999 80 3999 80 64708 39694 59006 ... 66615 05412 49601 000 000	USB	(Dan)
V07	10418	25-4	0340	Sun	254 254 254 1 3999 80 3999 80 64708 39694 59006 ... 66615 05412 49601 000 000	USB	(Dan)
V13	7502	14-4	1300	Wed	New Star Broadcasting. Flute music followed by a message in Chinese	USB	(AB-TWN)
V13	9276	15-4	1200	Thu	New Star Broadcasting	USB	(AB-J)
V13	7502	15-4	1300	Thu	New Star Broadcasting. Flute tune followed by a message in Chinese	USB	(AB-J)
V13	7502	15-4	1330	Thu	New Star Broadcasting. Flute tune followed by a message in Chinese	USB	(AB-TWN)
V13	7502	15-4	1330	Thu	New Star Broadcasting. Flute tune followed by a message in Chinese	USB	(AB-J)
V13	7502	18-4	1300	Sun	New Star Broadcasting. Flute tune followed by a message in Chinese	USB	(AB-TWN)
V13	9276	22-4	1200	Thu	New Star Broadcasting. Flute tune followed by a message in Chinese	USB	(AB-J)
V13	9276	26-4	1200	Mon	New Star Broadcasting. Flute tune followed by a message in Chinese	USB	(AB-J)
V13	15890	26-4	1200	Mon	New Star Broadcasting. Flute tune followed by a message in Chinese	USB	(AB-J)
V13	9276	29-4	1200	Thu	New Star Broadcasting. Flute tune followed by a message in Chinese	USB	(AB-J)
V13	15890	29-4	1200	Thu	New Star Broadcasting. Flute tune followed by a message in Chinese	USB	(AB-J)
V26	4243	2-4	0940	Sat	i.p. 4FG message	USB	(AB-J)
V26	4364	2-4	1130	Fri	XSV85 callup in Chinese voice //8073	USB	(JPL)
V26	8073	2-4	1130	Fri	XSV85 callup in Chinese voice //4364	USB	(JPL)
V26	4364	8-4	1132	Thu	XSV85 callup in Chinese voice //8073	USB	(JPL)
V26	8073	8-4	1132	Thu	XSV85 callup in Chinese voice //4364	USB	(JPL)
V26	4364	23-4	1130	Fri	XSV85: callup in Chinese voice. Male operator //8073	USB	(JPL)
V26	8073	23-4	1130	Fri	XSV85: callup in Chinese voice. Male operator //4364	USB	(JPL)
V26	4243	27-4	0905	Tue	Repeating M95's message in Chinese voice. Female operator //9054	USB	(JPL)
V26	9054	27-4	0905	Tue	Repeating M95's message in Chinese voice. Female operator //4243	USB	(JPL)
X06	13448	1-4	0731	Thu	MFA Moscow clg 162543: Russian embassy Nicosia	MFSK-6	(AB)
X06	12200	2-4	0707	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(AB)
X06	7543	8-4	0738	Thu	Test: 456456312 changed at 0741 UTC in 123456456	MFSK-6	(AB)
X06	7988	8-4	0752	Thu	MFA Moscow clg 561243: Russian embassy Helsinki	MFSK-6	(AB)
X06	13506	8-4	0940	Thu	MFA Moscow clg 164532: Russian embassy Dublin	MFSK-6	(AB)
X06b	15852	25-4	1110	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	14442	25-4	1111	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	15842	25-4	1114	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	14442	25-4	1115	Sun	Sequence 111666 before XPA2	MFSK-6	(AB)

XPA1	10428	1-4	0710	Thu	486 486 486 1 08416 00188 70296 ... 54429 98088 23443	MFSK-20/10bd	(AB/HFD)
XPA1	11431	1-4	0730	Thu	486 486 486 1 08416 00188 70296 ... 54429 98088 23443	MFSK-20/10bd	(AB/HFD)
XPA1	13441	1-4	0740	Thu	486 486 486 1 08416 00188 70296 ... 54429 98088 23443	MFSK-20/10bd	(AB/HFD)
XPA1	13368	2-4	1210	Fri	311 311 311 1 09118 00240 96241 ... 79630 28188 71132	MFSK-20/10Bd	(AB/HFD)
XPA1	12168	2-4	1230	Fri	311 311 311 1 09118 00240 96241 ... 79630 28188 71132	MFSK-20/10Bd	(AB/HFD)
XPA1	11168	2-4	1250	Fri	311 311 311 1 09118 00240 96241 ... 79630 28188 71132	MFSK-20/10Bd	(AB/HFD)
XPA1	10428	6-4	0710	Tue	486 486 486 1 08416 00188 70296 ... 54429 98088 23443	MFSK-20/10bd	(AB)
XPA1	11431	6-4	0730	Tue	486 486 486 1 08416 00188 70296 ... 54429 98088 23443	MFSK-20/10bd	(AB)
XPA1	13441	6-4	0740	Tue	486 486 486 1 08416 00188 70296 ... 54429 98088 23443	MFSK-20/10bd	(AB)
XPA1	13368	7-4	1210	Wed	311 311 311 1 09118 00240 96241 ... 79630 28188 71132	MFSK-20/10Bd	(AB)
XPA1	12168	7-4	1230	Wed	311 311 311 1 09118 00240 96241 ... 79630 28188 71132	MFSK-20/10Bd	(AB)
XPA1	11168	7-4	1250	Wed	311 311 311 1 09118 00240 96241 ... 79630 28188 71132	MFSK-20/10Bd	(AB/MPJ)
XPA1	10428	8-4	0710	Thu	486 486 486 1 08416 00188 70296 ... 54429 98088 23443	MFSK-20/10bd	(AB)
XPA1	11431	8-4	0730	Thu	486 486 486 1 08416 00188 70296 ... 54429 98088 23443	MFSK-20/10bd	(AB)
XPA1	13441	8-4	0740	Thu	486 486 486 1 08416 00188 70296 ... 54429 98088 23443	MFSK-20/10bd	(AB)
XPA1	13368	9-4	1210	Fri	311 311 311 1 09118 00240 96241 ... 79630 28188 71132	MFSK-20/10Bd	(AB)
XPA1	12168	9-4	1230	Fri	311 311 311 1 09118 00240 96241 ... 79630 28188 71132	MFSK-20/10Bd	(AB/MPJ)
XPA1	11168	9-4	1250	Fri	311 311 311 1 09118 00240 96241 ... 79630 28188 71132	MFSK-20/10Bd	(AB/MPJ)
XPA1	10428	13-4	0710	Tue	486 486 486 1 00111 00146 54522 ... 84580 62947 32135	MFSK-20/10bd	(AB)
XPA1	11431	13-4	0730	Tue	486 486 486 1 00111 00146 54522 ... 84580 62947 32135	MFSK-20/10bd	(AB)
XPA1	13441	13-4	0740	Tue	486 486 486 1 00111 00146 54522 ... 84580 62947 32135	MFSK-20/10bd	(AB)
XPA1	13368	14-4	1210	Wed	311 311 311 1 03911 00086 92937 ... 89745 10126 67511	MFSK-20/10Bd	(AB)
XPA1	12168	14-4	1230	Wed	311 311 311 1 03911 00086 92937 ... 89745 10126 67511	MFSK-20/10Bd	(AB)
XPA1	11168	14-4	1250	Wed	311 311 311 1 03911 00086 92937 ... 89745 10126 67511	MFSK-20/10Bd	(AB)
XPA1	10428	15-4	0710	Thu	486 486 486 1 00111 00146 54522 ... 84580 62947 32135	MFSK-20/10bd	(AB)
XPA1	11431	15-4	0730	Thu	486 486 486 1 00111 00146 54522 ... 84580 62947 32135	MFSK-20/10bd	(AB)
XPA1	13441	15-4	0740	Thu	486 486 486 1 00111 00146 54522 ... 84580 62947 32135	MFSK-20/10bd	(AB)
XPA1	13368	16-4	1210	Fri	311 311 311 1 03911 00086 92937 ... 89745 10126 67511	MFSK-20/10Bd	(AB)
XPA1	12168	16-4	1230	Fri	311 311 311 1 03911 00086 92937 ... 89745 10126 67511	MFSK-20/10Bd	(AB)
XPA1	11168	16-4	1250	Fri	311 311 311 1 03911 00086 92937 ... 89745 10126 67511	MFSK-20/10Bd	(AB)
XPA1	10428	20-4	0710	Tue	486 486 486 1 00111 00146 54522 ... 84580 62947 32135	MFSK-20/10bd	(AB)
XPA1	11431	20-4	0730	Tue	486 486 486 1 00111 00146 54522 ... 84580 62947 32135	MFSK-20/10bd	(AB)
XPA1	13441	20-4	0740	Tue	486 486 486 1 00111 00146 54522 ... 84580 62947 32135	MFSK-20/10bd	(AB)
XPA1	13368	21-4	1210	Wed	311 311 311 1 03911 00086 92937 ... 89745 10126 67511	MFSK-20/10Bd	(AB)
XPA1	12168	21-4	1230	Wed	311 311 311 1 03911 00086 92937 ... 89745 10126 67511	MFSK-20/10Bd	(AB)
XPA1	11168	21-4	1250	Wed	311 311 311 1 03911 00086 92937 ... 89745 10126 67511	MFSK-20/10Bd	(AB)
XPA1	10428	22-4	0710	Thu	486 486 486 1 00111 00146 54522 ... 84580 62947 32135	MFSK-20/10bd	(AB)
XPA1	11431	22-4	0730	Thu	486 486 486 1 00111 00146 54522 ... 84580 62947 32135	MFSK-20/10bd	(AB)
XPA1	13441	22-4	0740	Thu	486 486 486 1 00111 00146 54522 ... 84580 62947 32135	MFSK-20/10bd	(AB)
XPA1	13368	23-4	1210	Fri	311 311 311 1 03911 00086 92937 ... 89745 10126 67511	MFSK-20/10Bd	(AB)
XPA1	12168	23-4	1230	Fri	311 311 311 1 03911 00086 92937 ... 89745 10126 67511	MFSK-20/10Bd	(AB)
XPA1	11168	23-4	1250	Fri	311 311 311 1 03911 00086 92937 ... 89745 10126 67511	MFSK-20/10Bd	(AB)
XPA1	10428	27-4	0710	Tue	486 486 486 1 09732 00172 82496 ... 26959 04043 01731	MFSK-20/10bd	(AB)
XPA1	11431	27-4	0730	Tue	486 486 486 1 09732 00172 82496 ... 26959 04043 01731	MFSK-20/10bd	(AB)
XPA1	13441	27-4	0740	Tue	486 486 486 1 09732 00172 82496 ... 26959 04043 01731	MFSK-20/10bd	(AB)
XPA1	13368	28-4	1210	Wed	311 311 311 1 00198 00114 85469 ... 82701 58251 46722	MFSK-20/10Bd	(AB)
XPA1	12168	28-4	1230	Wed	311 311 311 1 00198 00114 85469 ... 82701 58251 46722	MFSK-20/10Bd	(AB)

XPA1	11168	28-4	1250	Wed	311 311 311 1 00198 00114 85469 ... 82701 58251 46722	MFSK-20/10Bd	(AB)
XPA1	10428	29-4	0710	Thu	486 486 486 1 09732 00172 82496 ... 26959 04043 01731	MFSK-20/10bd	(AB)
XPA1	11431	29-4	0730	Thu	486 486 486 1 09732 00172 82496 ... 26959 04043 01731	MFSK-20/10bd	(AB)
XPA1	13441	29-4	0740	Thu	486 486 486 1 09732 00172 82496 ... 26959 04043 01731	MFSK-20/10bd	(AB)
XPA1	13368	30-4	1210	Fri	311 311 311 1 00198 00114 85469 ... 82701 58251 46722	MFSK-20/10Bd	(AB)
XPA1	12168	30-4	1230	Fri	311 311 311 1 00198 00114 85469 ... 82701 58251 46722	MFSK-20/10Bd	(AB)
XPA1	11168	30-4	1250	Fri	311 311 311 1 00198 00114 85469 ... 82701 58251 46722	MFSK-20/10Bd	(AB)
XPA2	15859	1-4	0910	Thu	00399 00193 32617 ... 52740 47054 64152	MFSK-16/20bd	(AB)
XPA2	14659	1-4	0930	Thu	00399 00193 32617 ... 52740 47054 64152	MFSK-16/20bd	(AB)
XPA2	13459	1-4	0950	Thu	00399 00193 32617 ... 52740 47054 64152	MFSK-16/20bd	(AB)
XPA2	17426	1-4	1100	Thu	01792 00001 00000 35662	MFSK-16/20bd	(AB)
XPA2	16326	1-4	1120	Thu	01792 00001 00000 35662	MFSK-16/20bd	(AB)
XPA2	14926	1-4	1140	Thu	01792 00001 00000 35662	MFSK-16/20bd	(AB)
XPA2	15819	1-4	1600	Thu	00134 00228 88709 ... 38205 60548 27167	MFSK-16/20bd	(AB-RUS/RL)
XPA2	14919	1-4	1620	Thu	00134 00228 88709 ... 38205 60548 27167	MFSK-16/20bd	(AB-RUS/RL)
XPA2	13919	1-4	1640	Thu	00134 00228 88709 ... 38205 60548 27167	MFSK-16/20bd	(AB-RUS/RL)
XPA2	16341	2-4	1100	Fri	06209 00191 45578 ... 29407 87358 53771	MFSK-16/20Bd	(AB/HFD)
XPA2	14841	2-4	1120	Fri	06209 00191 45578 ... 29407 87358 53771	MFSK-16/20Bd	(AB/HFD)
XPA2	13941	2-4	1140	Fri	06209 00191 45578 ... 29407 87358 53771	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14377	2-4	1200	Fri	01179 00001 00000 36260	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	14977	2-4	1220	Fri	01179 00001 00000 36260	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	15977	2-4	1240	Fri	01179 00001 00000 36260	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	15859	3-4	0910	Sat	00399 00193 32617 ... 52740 47054 64152	MFSK-16/20bd	(AB)
XPA2	14659	3-4	0930	Sat	00399 00193 32617 ... 52740 47054 64152	MFSK-16/20bd	(AB)
XPA2	13459	3-4	0950	Sat	00399 00193 32617 ... 52740 47054 64152	MFSK-16/20bd	(AB)
XPA2	15881	3-4	1500	Sat	00486 00255 39789 ... 34921 42523 74042	MFSK-16/20Bd	(AB-RUS/MPJ/HFD)
XPA2	14481	3-4	1520	Sat	00486 00255 39789 ... 34921 42523 74042	MFSK-16/20Bd	(AB-RUS/MPJ/HFD)
XPA2	13381	3-4	1540	Sat	00486 00255 39789 ... 34921 42523 74042	MFSK-16/20Bd	(AB-RUS/MPJ/HFD)
XPA2	14442	4-4	1200	Sun	00634 00028 99143 ... 00726 76280 25155	MFSK-16/20Bd	(AB/HFD)
XPA2	15842	4-4	1220	Sun	00634 00028 99143 ... 00726 76280 25155	MFSK-16/20Bd	(AB/HFD)
XPA2	16342	4-4	1240	Sun	00634 00028 99143 ... 00726 76280 25155	MFSK-16/20Bd	(AB/HFD)
XPA2	11409	5-4	0700	Mon	06093 00144 46190 ... 40389 88416 73531	MFSK-16/20Bd	(AB/HFD)
XPA2	12209	5-4	0720	Mon	06093 00144 46190 ... 40389 88416 73531	MFSK-16/20Bd	(AB/HFD)
XPA2	13409	5-4	0740	Mon	06093 00144 46190 ... 40389 88416 73531	MFSK-16/20Bd	(AB/HFD)
XPA2	18038	5-4	0910	Mon	09979 00192 09044 ... 86659 82837 43364	MFSK-16/20Bd	(AB)
XPA2	17474	5-4	0930	Mon	09979 00192 09044 ... 86659 82837 43364	MFSK-16/20Bd	(AB-RUS)
XPA2	16286	5-4	0950	Mon	09979 00192 09044 ... 86659 82837 43364	MFSK-16/20Bd	(AB)
XPA2	15881	5-4	1500	Mon	01796 00001 00000 37662	MFSK-16/20Bd	(AB/MPJ)
XPA2	14481	5-4	1520	Mon	01796 00001 00000 37662	MFSK-16/20Bd	(AB/MPJ)
XPA2	13381	5-4	1540	Mon	01796 00001 00000 37662	MFSK-16/20Bd	(AB/MPJ)
XPA2	16341	6-4	1100	Tue	00482 00063 90553 ... 33617 20601 11175	MFSK-16/20Bd	(AB/HFD)
XPA2	14841	6-4	1120	Tue	00482 00063 90553 ... 33617 20601 11175	MFSK-16/20Bd	(AB/HFD)
XPA2	13941	6-4	1140	Tue	00482 00063 90553 ... 33617 20601 11175	MFSK-16/20Bd	(AB/HFD)
XPA2	14442	6-4	1200	Tue	09942 00098 27494 ... 84115 75212 55514	MFSK-16/20Bd	(AB/RL)
XPA2	15842	6-4	1220	Tue	09942 00098 27494 ... 84115 75212 55514	MFSK-16/20Bd	(AB/RL)
XPA2	16342	6-4	1240	Tue	09942 00098 27494 ... 84115 75212 55514	MFSK-16/20Bd	(AB/RL)
XPA2	15819	6-4	1600	Tue	01973 00001 00000 37260	MFSK-16/20bd	(AB/HFD)

XPA2	14919	6-4	1620	Tue	01973 00001 00000 37260	MFSK-16/20bd	(AB/HFD)
XPA2	13919	6-4	1640	Tue	01973 00001 00000 37260	MFSK-16/20bd	(AB/HFD)
XPA2	11409	7-4	0700	Wed	06093 00144 46190 ... 40389 88416 73531	MFSK-16/20Bd	(AB)
XPA2	12209	7-4	0720	Wed	06093 00144 46190 ... 40389 88416 73531	MFSK-16/20Bd	(AB)
XPA2	13409	7-4	0740	Wed	06093 00144 46190 ... 40389 88416 73531	MFSK-16/20Bd	(AB)
XPA2	18038	7-4	0910	Wed	09979 00192 09044 ... 86659 82837 43364	MFSK-16/20Bd	(AB/HFD)
XPA2	17474	7-4	0930	Wed	09979 00192 09044 ... 86659 82837 43364	MFSK-16/20Bd	(AB/HFD)
XPA2	16286	7-4	0950	Wed	09979 00192 09044 ... 86659 82837 43364	MFSK-16/20Bd	(AB/HFD)
XPA2	17426	7-4	1100	Wed	01182 00116 57946 ... 10833 90738 40606	MFSK-16/20bd	(AB/MPJ/HFD)
XPA2	16326	7-4	1120	Wed	01182 00116 57946 ... 10833 90738 40606	MFSK-16/20bd	(AB/MPJ/HFD)
XPA2	14926	7-4	1140	Wed	01182 00116 57946 ... 10833 90738 40606	MFSK-16/20bd	(AB/MPJ/HFD)
XPA2	14377	7-4	1200	Wed	03428 00001 00000 37255	MFSK-16/20Bd	(AB)
XPA2	14977	7-4	1220	Wed	03428 00001 00000 37255	MFSK-16/20Bd	(AB)
XPA2	15977	7-4	1240	Wed	03428 00001 00000 37255	MFSK-16/20Bd	(AB)
XPA2	15859	8-4	0910	Thu	02357 00001 00000 36257	MFSK-16/20bd	(AB)
XPA2	14659	8-4	0930	Thu	02357 00001 00000 36257	MFSK-16/20bd	(AB)
XPA2	13459	8-4	0950	Thu	02357 00001 00000 36257	MFSK-16/20bd	(AB)
XPA2	17426	8-4	1100	Thu	01182 00116 57946 ... 10833 90738 40606	MFSK-16/20bd	(AB/MPJ)
XPA2	16326	8-4	1120	Thu	01182 00116 57946 ... 10833 90738 40606	MFSK-16/20bd	(AB/MPJ)
XPA2	14926	8-4	1140	Thu	01182 00116 57946 ... 10833 90738 40606	MFSK-16/20bd	(AB/MPJ)
XPA2	15819	8-4	1600	Thu	08926 00001 00000 40662	MFSK-16/20bd	(AB-RUS/MPJ)
XPA2	14919	8-4	1620	Thu	08926 00001 00000 40662	MFSK-16/20bd	(AB-RUS/MPJ)
XPA2	13919	8-4	1640	Thu	08926 00001 00000 40662	MFSK-16/20bd	(AB-RUS/MPJ)
XPA2	16341	9-4	1100	Fri	00482 00063 90553 ... 33617 20601 11175	MFSK-16/20Bd	(AB)
XPA2	14841	9-4	1120	Fri	00482 00063 90553 ... 33617 20601 11175	MFSK-16/20Bd	(AB)
XPA2	13941	9-4	1140	Fri	00482 00063 90553 ... 33617 20601 11175	MFSK-16/20Bd	(AB)
XPA2	14377	9-4	1200	Fri	05737 00001 00000 40260	MFSK-16/20Bd	(AB/MPJ)
XPA2	14977	9-4	1220	Fri	05737 00001 00000 40260	MFSK-16/20Bd	(AB/MPJ)
XPA2	15977	9-4	1240	Fri	05737 00001 00000 40260	MFSK-16/20Bd	(AB/MPJ)
XPA2	15859	10-4	0910	Sat	02742 00001 00000 35656	MFSK-16/20bd	(AB)
XPA2	14659	10-4	0930	Sat	02742 00001 00000 35656	MFSK-16/20bd	(AB)
XPA2	13459	10-4	0950	Sat	02742 00001 00000 35656	MFSK-16/20bd	(AB)
XPA2	15881	10-4	1500	Sat	05408 00001 00000 37255	MFSK-16/20Bd	(AB-RUS)
XPA2	14481	10-4	1520	Sat	05408 00001 00000 37255	MFSK-16/20Bd	(AB-RUS)
XPA2	13381	10-4	1540	Sat	05408 00001 00000 37255	MFSK-16/20Bd	(AB-RUS)
XPA2	14442	11-4	1200	Sun	09942 00098 27494 ... 84115 75212 55514	MFSK-16/20Bd	(AB/MPJ)
XPA2	15842	11-4	1220	Sun	09942 00098 27494 ... 84115 75212 55514	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	16342	11-4	1240	Sun	09942 00098 27494 ... 84115 75212 55514	MFSK-16/20Bd	(AB/MPJ/RL)
XPA2	11409	12-4	0700	Mon	06645 00138 62674 ... 81066 35015 54467	MFSK-16/20Bd	(AB)
XPA2	12209	12-4	0720	Mon	06645 00138 62674 ... 81066 35015 54467	MFSK-16/20Bd	(AB)
XPA2	13409	12-4	0740	Mon	06645 00138 62674 ... 81066 35015 54467	MFSK-16/20Bd	(AB)
XPA2	18038	12-4	0910	Mon	09939 00001 00000 42264	MFSK-16/20Bd	(AB)
XPA2	17474	12-4	0930	Mon	09939 00001 00000 42264	MFSK-16/20Bd	(AB)
XPA2	16286	12-4	0950	Mon	09939 00001 00000 42264	MFSK-16/20Bd	(AB)
XPA2	16341	13-4	1100	Tue	03655 00001 00000 36660	MFSK-16/20Bd	(AB/RL)
XPA2	14841	13-4	1120	Tue	03655 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	13941	13-4	1140	Tue	03655 00001 00000 36660	MFSK-16/20Bd	(AB)

XPA2	14442	13-4	1200	Tue	05964 00200 34742 ... 10455 70914 64504	MFSK-16/20Bd	(AB)
XPA2	15842	13-4	1220	Tue	05964 00200 34742 ... 10455 70914 64504	MFSK-16/20Bd	(AB)
XPA2	16342	13-4	1240	Tue	05964 00200 34742 ... 10455 70914 64504	MFSK-16/20Bd	(AB)
XPA2	15819	13-4	1600	Tue	06416 00221 16950 ... 62788 38672 56416	MFSK-16/20bd	(AB)
XPA2	14919	13-4	1620	Tue	06416 00221 16950 ... 62788 38672 56416	MFSK-16/20bd	(AB)
XPA2	13919	13-4	1640	Tue	06416 00221 16950 ... 62788 38672 56416	MFSK-16/20bd	(AB)
XPA2	11409	14-4	0700	Wed	06645 00138 62674 ... 81066 35015 54467	MFSK-16/20Bd	(AB)
XPA2	12209	14-4	0720	Wed	06645 00138 62674 ... 81066 35015 54467	MFSK-16/20Bd	(AB)
XPA2	13409	14-4	0740	Wed	06645 00138 62674 ... 81066 35015 54467	MFSK-16/20Bd	(AB)
XPA2	18038	14-4	0910	Wed	05623 00001 00000 35657	MFSK-16/20Bd	(AB)
XPA2	17474	14-4	0930	Wed	05623 00001 00000 35657	MFSK-16/20Bd	(AB)
XPA2	16286	14-4	0950	Wed	05623 00001 00000 35657	MFSK-16/20Bd	(AB)
XPA2	17426	14-4	1100	Wed	01182 00116 57946 ... 10833 90738 40606	MFSK-16/20bd	(AB/MPJ)
XPA2	16326	14-4	1120	Wed	01182 00116 57946 ... 10833 90738 40606	MFSK-16/20bd	(AB/MPJ)
XPA2	14926	14-4	1140	Wed	01182 00116 57946 ... 10833 90738 40606	MFSK-16/20bd	(AB/MPJ/RL)
XPA2	14377	14-4	1200	Wed	09875 00178 67818 ... 44881 90274 60572	MFSK-16/20Bd	(AB)
XPA2	14977	14-4	1220	Wed	09875 00178 67818 ... 44881 90274 60572	MFSK-16/20Bd	(AB)
XPA2	15977	14-4	1240	Wed	09875 00178 67818 ... 44881 90274 60572	MFSK-16/20Bd	(AB/PP1)
XPA2	15859	15-4	0910	Thu	03266 00068 97764 ... 71747 34583 02417	MFSK-16/20bd	(AB/HFD)
XPA2	14659	15-4	0930	Thu	03266 00068 97764 ... 71747 34583 02417	MFSK-16/20bd	(AB/HFD)
XPA2	13459	15-4	0950	Thu	03266 00068 97764 ... 71747 34583 02417	MFSK-16/20bd	(AB/HFD)
XPA2	17426	15-4	1100	Thu	01182 00116 57946 ... 10833 90738 40606	MFSK-16/20bd	(AB/MPJ)
XPA2	16326	15-4	1120	Thu	01182 00116 57946 ... 10833 90738 40606	MFSK-16/20bd	(AB/MPJ)
XPA2	14926	15-4	1140	Thu	01182 00116 57946 ... 10833 90738 40606	MFSK-16/20bd	(AB/MPJ)
XPA2	15819	15-4	1600	Thu	06416 00221 16950 ... 62788 38672 56416	MFSK-16/20bd	(AB-RUS)
XPA2	14919	15-4	1620	Thu	06416 00221 16950 ... 62788 38672 56416	MFSK-16/20bd	(AB-RUS)
XPA2	13919	15-4	1640	Thu	06416 00221 16950 ... 62788 38672 56416	MFSK-16/20bd	(AB/GHn)
XPA2	16341	16-4	1100	Fri	09698 00001 00000 40272	MFSK-16/20Bd	(AB)
XPA2	14841	16-4	1120	Fri	09698 00001 00000 40272	MFSK-16/20Bd	(AB)
XPA2	13941	16-4	1140	Fri	09698 00001 00000 40272	MFSK-16/20Bd	(AB)
XPA2	14377	16-4	1200	Fri	09875 00178 67818 ... 44881 90274 60572	MFSK-16/20Bd	(AB)
XPA2	14977	16-4	1220	Fri	09875 00178 67818 ... 44881 90274 60572	MFSK-16/20Bd	(AB)
XPA2	15977	16-4	1240	Fri	09875 00178 67818 ... 44881 90274 60572	MFSK-16/20Bd	(AB)
XPA2	15859	17-4	0910	Sat	03266 00068 97764 ... 71747 34583 02417	MFSK-16/20bd	(AB)
XPA2	14659	17-4	0930	Sat	03266 00068 97764 ... 71747 34583 02417	MFSK-16/20bd	(AB)
XPA2	13459	17-4	0950	Sat	03266 00068 97764 ... 71747 34583 02417	MFSK-16/20bd	(AB)
XPA2	15881	17-4	1500	Sat	06602 00001 00000 35256	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	14481	17-4	1520	Sat	06602 00001 00000 35256	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	13381	17-4	1540	Sat	06602 00001 00000 35256	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	14442	18-4	1200	Sun	05964 00200 34742 ... 10455 70914 64504	MFSK-16/20Bd	(AB)
XPA2	15842	18-4	1220	Sun	05964 00200 34742 ... 10455 70914 64504	MFSK-16/20Bd	(AB)
XPA2	16342	18-4	1240	Sun	05964 00200 34742 ... 10455 70914 64504	MFSK-16/20Bd	(AB)
XPA2	11409	19-4	0700	Mon	06645 00138 62674 ... 81066 35015 54467	MFSK-16/20Bd	(AB)
XPA2	12209	19-4	0720	Mon	06645 00138 62674 ... 81066 35015 54467	MFSK-16/20Bd	(AB)
XPA2	13409	19-4	0740	Mon	06645 00138 62674 ... 81066 35015 54467	MFSK-16/20Bd	(AB)
XPA2	18038	19-4	0910	Mon	00596 00090 01530 ... 70101 93362 35025	MFSK-16/20Bd	(AB)
XPA2	17474	19-4	0930	Mon	00596 00090 01530 ... 70101 93362 35025	MFSK-16/20Bd	(AB)

XPA2	16286	19-4	0950	Mon	00596 00090 01530 ... 70101 93362 35025	MFSK-16/20Bd	(AB)
XPA2	15881	19-4	1500	Mon	04672 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	14481	19-4	1520	Mon	04672 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	13381	19-4	1540	Mon	04672 00001 00000 35263	MFSK-16/20Bd	(AB)
XPA2	14442	20-4	1200	Tue	00333 00218 75028 ... 37528 07657 33537	MFSK-16/20Bd	(AB/MPJ)
XPA2	15842	20-4	1220	Tue	00333 00218 75028 ... 37528 07657 33537	MFSK-16/20Bd	(AB/MPJ)
XPA2	16342	20-4	1240	Tue	00333 00218 75028 ... 37528 07657 33537	MFSK-16/20Bd	(AB/MPJ)
XPA2	15819	20-4	1600	Tue	02020 00001 00000 31254	MFSK-16/20bd	(MPJ)
XPA2	14919	20-4	1620	Tue	02020 00001 00000 31254	MFSK-16/20bd	(MPJ)
XPA2	13919	20-4	1640	Tue	02020 00001 00000 31254	MFSK-16/20bd	(MPJ)
XPA2	11409	21-4	0700	Wed	06645 00138 62674 ... 81066 35015 54467	MFSK-16/20Bd	(AB)
XPA2	12209	21-4	0720	Wed	06645 00138 62674 ... 81066 35015 54467	MFSK-16/20Bd	(AB)
XPA2	13409	21-4	0740	Wed	06645 00138 62674 ... 81066 35015 54467	MFSK-16/20Bd	(AB)
XPA2	18038	21-4	0910	Wed	00596 00090 01530 ... 70101 93362 35025	MFSK-16/20Bd	(AB)
XPA2	17474	21-4	0930	Wed	00596 00090 01530 ... 70101 93362 35025	MFSK-16/20Bd	(AB)
XPA2	16286	21-4	0950	Wed	00596 00090 01530 ... 70101 93362 35025	MFSK-16/20Bd	(AB)
XPA2	17426	21-4	1100	Wed	00220 00134 59338 ... 71473 83491 32432	MFSK-16/20bd	(AB/MPJ)
XPA2	16326	21-4	1120	Wed	00220 00134 59338 ... 71473 83491 32432	MFSK-16/20bd	(AB/MPJ)
XPA2	14926	21-4	1140	Wed	00220 00134 59338 ... 71473 83491 32432	MFSK-16/20bd	(AB/MPJ)
XPA2	14377	21-4	1200	Wed	00303 00202 21361 ... 05856 91255 24756	MFSK-16/20Bd	(AB)
XPA2	14977	21-4	1220	Wed	00303 00202 21361 ... 05856 91255 24756	MFSK-16/20Bd	(AB)
XPA2	15977	21-4	1240	Wed	00303 00202 21361 ... 05856 91255 24756	MFSK-16/20Bd	(AB)
XPA2	15859	22-4	0910	Thu	03266 00068 97764 ... 71747 34583 02417	MFSK-16/20bd	(AB)
XPA2	14659	22-4	0930	Thu	03266 00068 97764 ... 71747 34583 02417	MFSK-16/20bd	(AB)
XPA2	13459	22-4	0950	Thu	03266 00068 97764 ... 71747 34583 02417	MFSK-16/20bd	(AB)
XPA2	17426	22-4	1100	Thu	00220 00134 59338 ... 71473 83491 32432	MFSK-16/20bd	(AB/MPJ)
XPA2	16326	22-4	1120	Thu	00220 00134 59338 ... 71473 83491 32432	MFSK-16/20bd	(AB/MPJ/RL)
XPA2	14926	22-4	1140	Thu	00220 00134 59338 ... 71473 83491 32432	MFSK-16/20bd	(AB/MPJ)
XPA2	15819	22-4	1600	Thu	09204 00001 00000 34261	MFSK-16/20bd	(AB-RUS)
XPA2	14919	22-4	1620	Thu	09204 00001 00000 34261	MFSK-16/20bd	(AB-RUS)
XPA2	13919	22-4	1640	Thu	09204 00001 00000 34261	MFSK-16/20bd	(AB)
XPA2	16341	23-4	1100	Fri	07274 00021 46339 ... 91614 98243 70237	MFSK-16/20Bd	(AB)
XPA2	14841	23-4	1120	Fri	07274 00021 46339 ... 91614 98243 70237	MFSK-16/20Bd	(AB)
XPA2	13941	23-4	1140	Fri	07274 00021 46339 ... 91614 98243 70237	MFSK-16/20Bd	(AB)
XPA2	14377	23-4	1200	Fri	00303 00202 21361 ... 05856 91255 24756	MFSK-16/20Bd	(AB)
XPA2	14977	23-4	1220	Fri	00303 00202 21361 ... 05856 91255 24756	MFSK-16/20Bd	(AB)
XPA2	15977	23-4	1240	Fri	00303 00202 21361 ... 05856 91255 24756	MFSK-16/20Bd	(AB)
XPA2	15859	24-4	0910	Sat	03266 00068 97764 ... 71747 34583 02417	MFSK-16/20bd	(AB)
XPA2	14659	24-4	0930	Sat	03266 00068 97764 ... 71747 34583 02417	MFSK-16/20bd	(AB)
XPA2	13459	24-4	0950	Sat	03266 00068 97764 ... 71747 34583 02417	MFSK-16/20bd	(AB)
XPA2	15881	24-4	1500	Sat	04688 00001 00000 40255	MFSK-16/20Bd	(AB-RUS)
XPA2	14481	24-4	1520	Sat	04688 00001 00000 40255	MFSK-16/20Bd	(AB-RUS)
XPA2	13381	24-4	1540	Sat	04688 00001 00000 40255	MFSK-16/20Bd	(AB-RUS)
XPA2	14442	25-4	1200	Sun	00333 00218 75028 ... 37528 07657 33537	MFSK-16/20Bd	(AB/MPJ)
XPA2	15842	25-4	1220	Sun	00333 00218 75028 ... 37528 07657 33537	MFSK-16/20Bd	(AB/MPJ)
XPA2	16342	25-4	1240	Sun	00333 00218 75028 ... 37528 07657 33537	MFSK-16/20Bd	(AB/MPJ)
XPA2	11409	26-4	0700	Mon	08220 00184 53007 ... 42039 09632 07550	MFSK-16/20Bd	(AB)

XPA2	12209	26-4	0720	Mon	08220 00184 53007 ... 42039 09632 07550	MFSK-16/20Bd	(AB)
XPA2	13409	26-4	0740	Mon	08220 00184 53007 ... 42039 09632 07550	MFSK-16/20Bd	(AB)
XPA2	18038	26-4	0910	Mon	00596 00090 01530 ... 70101 93362 35025	MFSK-16/20Bd	(AB)
XPA2	17474	26-4	0930	Mon	00596 00090 01530 ... 70101 93362 35025	MFSK-16/20Bd	(AB)
XPA2	16286	26-4	0950	Mon	00596 00090 01530 ... 70101 93362 35025	MFSK-16/20Bd	(AB)
XPA2	15881	26-4	1500	Mon	08592 00001 00000 34671	MFSK-16/20Bd	(AB/MPJ)
XPA2	14481	26-4	1520	Mon	08592 00001 00000 34671	MFSK-16/20Bd	(AB/MPJ)
XPA2	13381	26-4	1540	Mon	08592 00001 00000 34671	MFSK-16/20Bd	(AB/MPJ)
XPA2	14442	27-4	1200	Tue	00203 00222 03585 ... 34768 52780 26412	MFSK-16/20Bd	(AB)
XPA2	15842	27-4	1220	Tue	00203 00222 03585 ... 34768 52780 26412	MFSK-16/20Bd	(AB)
XPA2	16342	27-4	1240	Tue	00203 00222 03585 ... 34768 52780 26412	MFSK-16/20Bd	(AB)
XPA2	15819	27-4	1600	Tue	00142 00252 16482 ... 19765 54634	MFSK-16/20bd	(AB/MPJ)
XPA2	14919	27-4	1620	Tue	00142 00252 16482 ... 19765 54634	MFSK-16/20bd	(AB/MPJ)
XPA2	13919	27-4	1640	Tue	00142 00252 16482 ... 19765 54634	MFSK-16/20bd	(AB/MPJ)
XPA2	11409	28-4	0700	Wed	08220 00184 53007 ... 42039 09632 07550	MFSK-16/20Bd	(AB)
XPA2	12209	28-4	0720	Wed	08220 00184 53007 ... 42039 09632 07550	MFSK-16/20Bd	(AB)
XPA2	13409	28-4	0740	Wed	08220 00184 53007 ... 42039 09632 07550	MFSK-16/20Bd	(AB)
XPA2	18038	28-4	0910	Wed	00596 00090 01530 ... 70101 93362 35025	MFSK-16/20Bd	(AB)
XPA2	17474	28-4	0930	Wed	00596 00090 01530 ... 70101 93362 35025	MFSK-16/20Bd	(AB)
XPA2	16286	28-4	0950	Wed	00596 00090 01530 ... 70101 93362 35025	MFSK-16/20Bd	(AB)
XPA2	17426	28-4	1100	Wed	06502 00001 00000 34656	MFSK-16/20bd	(AB/MPJ)
XPA2	16326	28-4	1120	Wed	06502 00001 00000 34656	MFSK-16/20bd	(AB/MPJ)
XPA2	14926	28-4	1140	Wed	06502 00001 00000 34656	MFSK-16/20bd	(AB/MPJ)
XPA2	14377	28-4	1200	Wed	02072 00204 08639 ... 63431 82092 22743	MFSK-16/20Bd	(AB)
XPA2	14977	28-4	1220	Wed	02072 00204 08639 ... 63431 82092 22743	MFSK-16/20Bd	(AB)
XPA2	15977	28-4	1240	Wed	02072 00204 08639 ... 63431 82092 22743	MFSK-16/20Bd	(AB)
XPA2	15859	29-4	0910	Thu	07744 00001 00000 36663	MFSK-16/20bd	(AB)
XPA2	14659	29-4	0930	Thu	07744 00001 00000 36663	MFSK-16/20bd	(AB)
XPA2	13459	29-4	0950	Thu	07744 00001 00000 36663	MFSK-16/20bd	(AB)
XPA2	17426	29-4	1100	Thu	09309 00001 00000 37261	MFSK-16/20bd	(AB/MPJ)
XPA2	16326	29-4	1120	Thu	09309 00001 00000 37261	MFSK-16/20bd	(AB/MPJ)
XPA2	14926	29-4	1140	Thu	09309 00001 00000 37261	MFSK-16/20bd	(AB/MPJ/RL)
XPA2	15819	29-4	1600	Thu	00142 00252 16482 ... 19765 54634	MFSK-16/20bd	(AB/MPJ)
XPA2	14919	29-4	1620	Thu	00142 00252 16482 ... 19765 54634	MFSK-16/20bd	(AB/MPJ)
XPA2	13919	29-4	1640	Thu	00142 00252 16482 ... 19765 54634	MFSK-16/20bd	(AB/MPJ)
XPA2	16341	30-4	1100	Fri	07274 00021 46339 ... 91614 98243 70237	MFSK-16/20Bd	(AB)
XPA2	14841	30-4	1120	Fri	07274 00021 46339 ... 91614 98243 70237	MFSK-16/20Bd	(AB)
XPA2	13941	30-4	1140	Fri	07274 00021 46339 ... 91614 98243 70237	MFSK-16/20Bd	(AB)
XPA2	14377	30-4	1200	Fri	02072 00204 08639 ... 63431 82092 22743	MFSK-16/20Bd	(AB/MPJ)
XPA2	14977	30-4	1220	Fri	02072 00204 08639 ... 63431 82092 22743	MFSK-16/20Bd	(AB/MPJ)
XPA2	15977	30-4	1240	Fri	02072 00204 08639 ... 63431 82092 22743	MFSK-16/20Bd	(AB/MPJ)
XPB1	17474	3-4	1200	Sat	Russian intel.	MFSK-16	(AB/MPJ/HFD)
XPB1	16274	3-4	1210	Sat	Russian intel.	MFSK-16	(AB/MPJ/HFD)
XPB1	15974	3-4	1220	Sat	Russian intel.	MFSK-16	(AB/MPJ/HFD)
XPB1	14974	3-4	1230	Sat	Russian intel.	MFSK-16	(AB/MPJ/HFD)
XPB1	14374	3-4	1240	Sat	Russian intel.	MFSK-16	(AB/MPJ/HFD)
XPB1	13874	3-4	1250	Sat	Russian intel.	MFSK-16	(AB/MPJ/HFD)

XPB1	13547	4-4	1900	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12147	4-4	1910	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	11547	4-4	1920	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10447	4-4	1930	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	9347	4-4	1940	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8147	4-4	1950	Sun	Russian intel.	MFSK-16	(AB/HFD)
XPB1	13527	5-4	0500	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13927	5-4	0510	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14727	5-4	0520	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14927	5-4	0530	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15827	5-4	0540	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16327	5-4	0550	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17474	5-4	1200	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	16274	5-4	1210	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	15974	5-4	1220	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	14974	5-4	1230	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	14374	5-4	1240	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13874	5-4	1250	Mon	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13527	6-4	0500	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13927	6-4	0510	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14727	6-4	0520	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14927	6-4	0530	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15827	6-4	0540	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16327	6-4	0550	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13547	6-4	1900	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	12147	6-4	1910	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	11547	6-4	1920	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	10447	6-4	1930	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	9347	6-4	1940	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	8147	6-4	1950	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	17474	10-4	1200	Sat	Russian intel.	MFSK-16	(AB)
XPB1	16274	10-4	1210	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15974	10-4	1220	Sat	Russian intel.	MFSK-16	(AB)
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XPB1	10447	11-4	1930	Sun	Russian intel.	MFSK-16	(AB)
XPB1	9347	11-4	1940	Sun	Russian intel.	MFSK-16	(AB)
XPB1	8147	11-4	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13527	12-4	0500	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13927	12-4	0510	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14727	12-4	0520	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14927	12-4	0530	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15827	12-4	0540	Mon	Russian intel.	MFSK-16	(AB)

XPB1	16327	12-4	0550	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17474	12-4	1200	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16274	12-4	1210	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15974	12-4	1220	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14974	12-4	1230	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	14374	12-4	1240	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	13874	12-4	1250	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	13527	13-4	0500	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13927	13-4	0510	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14727	13-4	0520	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14927	13-4	0530	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15827	13-4	0540	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16327	13-4	0550	Tue	Russian intel.	MFSK-16	(AB)
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XPB1	9347	13-4	1940	Tue	Russian intel.	MFSK-16	(AB/RL)
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XPB1	17474	17-4	1200	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	16274	17-4	1210	Sat	Russian intel.	MFSK-16	(AB/MPJ)
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XPB1	14974	17-4	1230	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	14374	17-4	1240	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13874	17-4	1250	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	13547	18-4	1900	Sun	Russian intel.	MFSK-16	(AB)
XPB1	12147	18-4	1910	Sun	Russian intel.	MFSK-16	(AB)
XPB1	11547	18-4	1920	Sun	Russian intel.	MFSK-16	(AB)
XPB1	10447	18-4	1930	Sun	Russian intel.	MFSK-16	(AB)
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XPB1	14374	19-4	1240	Mon	Russian intel.	MFSK-16	(AB)
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XPB1	14727	20-4	0520	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14927	20-4	0530	Tue	Russian intel.	MFSK-16	(AB)

XPB1	15827	20-4	0540	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16327	20-4	0550	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13547	20-4	1900	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	12147	20-4	1910	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	11547	20-4	1920	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	10447	20-4	1930	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	9347	20-4	1940	Tue	Russian intel.	MFSK-16	(AB/RL)
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XPB1	15974	24-4	1220	Sat	Russian intel.	MFSK-16	(AB)
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XPB1	8147	25-4	1950	Sun	Russian intel.	MFSK-16	(AB)
XPB1	13527	26-4	0500	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13927	26-4	0510	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14727	26-4	0520	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14927	26-4	0530	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15827	26-4	0540	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16327	26-4	0550	Mon	Russian intel.	MFSK-16	(AB)
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XPB1	16274	26-4	1210	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15974	26-4	1220	Mon	Russian intel.	MFSK-16	(AB)
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XPB1	13527	27-4	0500	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13927	27-4	0510	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14727	27-4	0520	Tue	Russian intel.	MFSK-16	(AB)
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XPB1	16327	27-4	0550	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13547	27-4	1900	Tue	Russian intel.	MFSK-16	(AB)
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XPB1	11547	27-4	1920	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10447	27-4	1930	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9347	27-4	1940	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8147	27-4	1950	Tue	Russian intel.	MFSK-16	(AB)
XSL	4231.5	3-4	1020	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	3-4	1020	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	3-4	1020	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

XSL	6417	3-4	1020	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	3-4	1020	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	3-4	1020	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8587.5	3-4	1020	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4290.5	11-4	1128	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(EW)
XSL	4231.5	11-4	1132	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(EW)
XSL	4153	11-4	1139	Sun	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(EW)

CONTRIBUTORS

AB Ary Boender, Netherlands
 AB-BLR Ary Boender via remote rx Belarus
 Abder Abder
 AB-FIN Ary Boender via remote rx Finland
 AB-GRC Ary Boender via remote rx Greece
 AB-HNG Ary Boender via remote rx Hungary
 AB-J Ary Boender via remote rx Japan
 AB-KOR Ary Boender via remote rx South Korea
 AB-KWT Ary Boender via remote rx Kuwait
 AB-POL Ary Boender via remote rx Poland
 AB-ROU Ary Boender via remote rx Romania
 AB-RUS Ary Boender via remote rx Russia
 AB-TWN Ary Boender via remote rx Taiwan
 AB-UKR Ary Boender via remote rx Ukraine
 AB-USA Ary Boender via remote rx USA
 AnEur Anonymous Europe
 CK Costas, Southern Europe
 Dan Daniel LU5EMM, Argentina
 ES Edward Smith, UK
 EW Eddy Waters, Australia
 F4LKC F4LKC Frank, France
 F5JBR F5JBR André, France
 GHn Gary Hagermann, UK

Gwr Gwraspé
 HFD Hans-Friedrich Dumrese, Germany
 HFD-CHN Hans-Friedrich Dumrese via remote rx China
 HFD-J Hans-Friedrich Dumrese via remote rx Japan
 HFD-POL Hans-Friedrich Dumrese via remote rx Poland
 HFD-RUS Hans-Friedrich Dumrese via remote rx Russia
 HS Hugh Stegman, USA
 JPL JPL, NB, Canada (and various remote rx)
 JPL-HK JPL via remote rx Hong Kong
 JPL-KOR JPL via remote rx South Korea
 Kalv Kalvados
 MPJ Jim, SW England
 MPJ-AUT Jim via remote rx Austria
 MPJ-HNG Jim via remote rx Hungary
 MPJ-HOL Jim via remote rx Netherlands
 MPJ-POL Jim via remote rx Poland
 MPJ-RUS Jim via remote rx Russia
 PP1 Patrice Privat, France
 PY Pierre Ynard, France
 RL Roberto Landolpho, Brazil
 RR2 Rich Ray, IL, USA
 Sublio Sublio
 toni2k Tony2k

Designators

Prefixes

E	English language
F	FSK (Frequency Shift Keying) modes
G	German language
HM	Hybrids of analog and digital modes
M(C)	Morse code (Chinese)
P	QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q	4+4 QPSK mode
S	Slavic languages
UM(C)	Unid Morse station (Chinese)
V	Voice broadcasts in other languages
VC	Voice Chinese
XP	MFSK (polytone) modes

Active voice stations

Code	Language	Origin	Related stations
E06	English	Russia	G06, S06, S06b, S06c, M14, F01, F06, F06a
E07	English	Russia	E07a, V07, M12, XPA1, XPA2, XPB1
E07a	English	Russia	E07, V07, M12, XPA1, XPA2, XPB1
E11	English	Poland	E11a, S11a, F03, P03
E11a	English	Poland	E11, S11a, F03, P03
E17z	English	Ukraine	S06s
E25	English	Egypt	E25a
E25a	English	Egypt	E25
G06	German	Russia	E06, S06, S06b, S06c, M14, F01, F06, F06a
S06	Russian	Russia	E06, G06, S06b, S06c, M14, F01, F06, F06a
S06b	Russian	Russia	E06, G06, S06, S06c, M14, F01, F06, F06a
S06c	Russian	Russian	E06, G06, S06, S06b, M14, F01, F06, F06a
S06s	Russian	Ukraine	E17z
S11a	Russian	Poland	E11, E11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, M12, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V15	Korean	North Korea	
V24	Korean	South Korea	
V26	Chinese	China	M95, Q26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

Active morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, XPA1, XPA2, XPBa
M14	Morse	Russia	E06, G06, S06, S06b, S06c, F01, F06, F06a
M21	Morse	Russia	M41
M22	Morse	Israel	
M23	Morse	France	
M41	Morse	Russia	M21
M51a	Morse	France	M51b
M51b	Morse	France	M51a
M89	Morse	China	
M95	Morse	China	V26, Q26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM10	Morse	?	

Active digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F06, F06a
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06a
F06a	FSK	Russia	E06, G06, S06, S06b, S06c, M14, F01, F06
HM01	Voice/RDFT	Cuba	
M42	Various	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
Q26	4+4 QPSK	China	V26, M95
XPA	MFSK-20	Russia	E07, V07, M12, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, M12, XPA1, XPB1
XPB	MFSK-16	Russia	E07, V07, M12, XPA1, XPA2

Figures and words used by the various numbers stations

Cut numbers

Several stations are using cut numbers. Often only the zero which is represented by the letter “T”.

M89 and M95 cut numbers A U 3 4 5 6 7 D N T
 1 2 3 4 5 6 7 8 9 0

M08a cut numbers A N D U W R I G M T
 1 2 3 4 5 6 7 8 9 0

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itmien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	.. — — —	Hai	To	Dwojka	Twso	Two
3	... — —	Ba	Fwee	Trojka	Drei	Three
4 —	Bô'n	Fo	Cienciorka	Vier	Four
5	Năm	Fav	Pietiorka	Funuf	Fiver
6	—	Sáu	Six	Szest	Sechs	Six
7	— — ...	Ba y	Seven	Siem	Sieben	Seven
8	— — — ..	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	— . . . —					
/	—					

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	—
Out	Out	Konets	

Note: M03 and M08a are defunct.

Morse characters

A	. -	1	. ----
B	- ...	2	.. ----
C	- . - .	3	... --
D	- . .	4 -
E	.	5
F	.. - .	6	-
G	-- .	7	-- ...
H	8	--- ..
I	..	9	---- .
J	. ----	0	-----
K	- . -		
L	. - . .		
M	--		
N	- .		
O	---		
P	. - - .		
Q	- - . -		
R	. - .		
S	...		
T	-		
U	.. -		
V	... -		
W	. - -		
X	- . . -		
Y	- . - -		
Z	- - . .		

Accented letters

Ä	. - . -
Á	. - - . -
CH	----
É	. - . . .
Ö	--- .
Ü	. - - -

Full stop (period) [.]	. - . - . -
Comma [,]	-- . . - -
Colon [:]	--- ...
Question mark [?]	. . -- . .
Exclamation mark [!]	- . . . - -
Apostrophe [']	. - - - - .
Dash or Hyphen [-]	- -
Slash [/]	- . . - .
Left-hand bracket [(]	- . -- .
Right-hand bracket [)]	- . -- . -
Quotation marks [" "]	. - . . - .
Equals sign [BT =]	- . . . -
Understood	... - .
Plus sign [+]	. - . . .
Invitation to transmit	- . -
Wait [AS]	. - . . .
End of Transmission [SK, VA]	. . . - . -
End of message [AR]	. - . . .
Starting signal	- . . . -
Multiplication sign [×]	- . . -
At sign [@]	. - - . - .
Break [BK]	- . . . - . -
Ampersand [&]	. - . . .

See also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

COLOPHON

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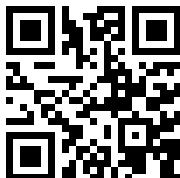
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976 27364 92886 89428 61288 14982 36498 32764 81276 81
986 40932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 70
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 1
7591 87364 87265 96718 27638 12673 84769 28743 98127 5
758 63298 75698 27465 87326 49876 28376 81273 98615 86
67 87432 74328 78674 29867 32867 67867 86786 43276 486
67 68768 68763 34234 34238 68768 62342 48273 48768 230
736 98432 32432 86743 43286 43286 43286 43286 43286 432
743 86743 86743 39867 32867 86743 43286 43286 43243 86
751 86743 86743 86743 86743 86743 86743 86743 86743 86
763 98798 98754 98754 98754 98754 29867 67543 67986 86
76 87698 69876 87698 69876 87612 12341 34867 86798 652
667 43298 65656 56756 56123 32143 14321 32143 14321 321
68 82787 58765 76587 58765 76587 58765 76587 58756 765

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