

6	27364	92836	89428	81268	74982	46498	32784	31277
86	40932	70987	32123	49817	26346	81287	65491	87364
721	75654	55656	12737	72727	72727	91918	63473	67867
723	87629	37677	32612	53498	71296	28756	18276	98716
269	76329	74698	76857	98670	27601	56701	57601	73648
701	87364	87265	96710	27630	12673	84769	28743	98127
78	63298	75698	27465	87326	49876	28376	81273	98615
77	87432	74328	78674	29867	32867	67867	86786	43286
77	68768	68763	34234	34238	68768	62342	48273	48768
706	98432	32432	86743	43286	43286	43286	43286	43286
783	86743	86743	39867	32867	86743	43286	43286	43243
77	86743	86743	86743	86743	86743	86743	86743	86743
792	98798	98754	98754	98754	98754	29867	67543	67986
706	87698	69876	87698	69876	87612	12341	34867	86798
77	43298	65656	56756	56123	32143	14321	32143	14321
77	58767	58767	58767	58765	76587	58765	76587	58756

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #316, January 2024

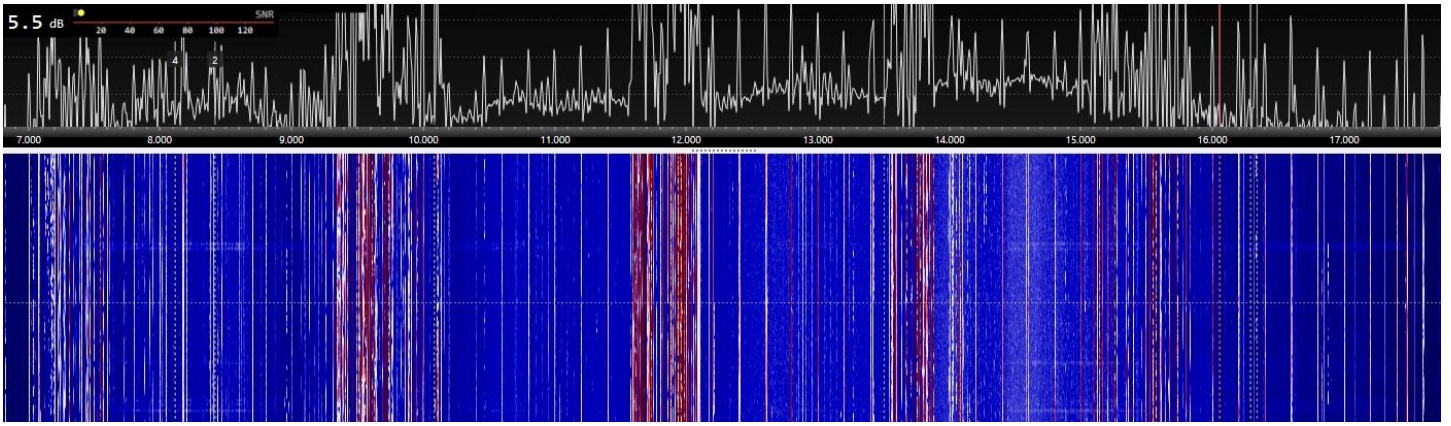
Editor: Ary Boender email: udxf@udxf.nl
 Numbers & Oddities <http://www.numbersoddities.nl>

"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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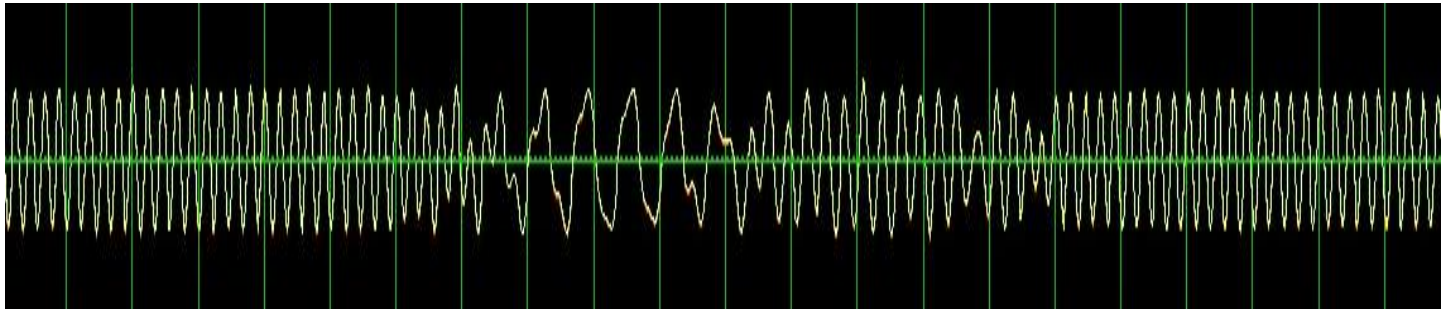
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FOREWORD

Welcome to ye another edition of Numbers & Oddities.

It was a pretty standard month with the usual frequency changes and Russian exercises/test transmissions.

Due to circumstances I cannot guarantee that N&O will be published every month this year. Delays are possible and I may have to skip or merge newsletters. Any way, I hope to publish N&O as often as I can.

The unid morse station on 14442 kHz was last reported on February 2nd. The "Apocalypse station" (UM05) is still very much alive and kicking.

VOICE STATIONS

E06

13945/16350 kHz, 04-01/05-01, 0600/0700 UTC

139 847 52
70442 61496 97998 52136 33208 76852 43255 25001 51437 42491
68805 64031 25545 20613 61304 55799 29879 65358 78446 98715
81173 58816 97738 90643 95381 88921 74747 63878 81314 11434
21753 22176 44550 63194 42750 59524 00018 18829 85746 65334
16721 08099 98261 45748 43027 36091 97010 15750 85952 73417
87662 41757
847 52 00000

13945/16350 kHz, 18-01/19-01, 0600/0700 UTC

139 274 60
79403 73474 36559 74256 40349 44983 94699 04440 26160 60908
95674 51131 43974 48216 05739 80696 46139 21269 34766 07823
07632 37632 59029 31130 82856 50846 28832 90098 84034 71120
15694 19752 48362 69861 78779 01526 86126 88996 55244 33773
26958 41019 04201 70332 06426 10686 58982 00598 60149 94320
67394 69531 17609 37650 24645 61061 12863 58110 28637 93282
274 60 00000

7377/5410 kHz, 13-01, 1600/1630 UTC

9946/8095 kHz, 14-01, 0730/0800 UTC

480 261 45
24729 37084 94265 560715 0395 41730 26938 49467 76496 43728
59832 19021 27942 06737 79307 42683 21958 93298 19129 39635
43459 13137 41271 50168 71489 32705 38026 03987 73402 94348
72428 74735 96502 35038 93919 32857 42675 54973 95107 27105
59290 83945 80165 68038 93149
261 45 00000

7377/5410 kHz, 27-01, 1600/1630 UTC

9946/8095 kHz, 27-01, 0730/0800 UTC

480 679 41
57108 16240 10258 95646 89728 69795 81291 70312 46272 93209
13273 94104 82462 13241 41502 35838 97012 09856 60371 64575
47208 15980 02780 03489 34791 65359 85483 68232 46257 50974
38467 75180 37290 79190 49821 51532 43858 59267 62403 87380
79579
679 41 00000

No transmissions on 4 and 5 January

14903/12218 kHz, 11-01/12-01, 0300/0400 UTC

361 875 49
57777 91403 16328 00920 28720 41977 54639 50466 20213 87280
65576 53301 05526 21376 32988 71424 83395 56674 87563 76417
77435 14731 29529 06693 41107 44861 90507 20537 41701 37790
70477 24647 21755 26493 10759 82837 61352 91443 88986 34613
89737 12435 46977 78297 19687 34178 87455 98388 03065
875 49 00000

14903/12203 kHz, 18-01, 0300/0400 UTC

14903/12218 kHz, 19-01, 0300/0400 UTC

361 294 50
51569 99822 40978 63209 66724 21502 83491 69325 79787 72976
40287 93675 19726 45136 71161 36987 73836 67812 66939 36749
21438 71950 29101 09128 62185 24931 15139 19492 87445 81227
60572 36238 68185 15575 13564 47609 57799 30849 43062 46182
33308 57844 06429 10725 23388 89126 87462 40098 96639 14159
294 50 00000

No transmissions on 25 and 26 January

No transmissions on 1, 2, 8 and 9 January

9349/13413 kHz, 15-01/16-01, 0210/0310 UTC

537 409 31
89453 99744 48696 70424 36309 38891 77272 20012 30172 99844
50296 76688 22808 66602 88597 23878 02694 13363 97238 32179
24264 94494 34062 95856 59118 44351 27556 15923 80156 41650
17472
409 31 00000

9349/13413 kHz, 22-01/23-01, 0210/0310 UTC

537 168 32
83741 37243 06926 17403 61081 65850 96125 77332 45928 93713
41771 78130 17336 10808 42247 29260 85397 56431 13260 80328
28490 49207 56585 58553 49374 11316 00005 62189 11079 91664
31868 27100
168 32 00000

No transmissions on 29 and 30 January

Test transmissions

10755 kHz, 31-01, 0940 UTC

975 238 60
90680 79944 51713 04033 89194 38712 59248 23785 66210 54402
87552 98458 24769 70333 68715 41014 67254 61278 65936 89104
65203 76307 56476 63586 70632 89150 52212 15025 67298 48257
18720 62872 85343 43766 78829 57006 27753 33544 11600 16328
82065 95502 82632 24086 15782 98363 66669 84641 78893 08078
48424 71330 61984 72071 12557 20136 83333 48512 58766 off
975 (R)
15782 98363 66669 84641 78893 08078 48424 71330 61984 72071
12557 20136 83333 48512 58766 48852
238 60 00000

Full message:

975 238 60
90680 79944 51713 04033 89194 38712 59248 23785 66210 54402
87552 98458 24769 70333 68715 41014 67254 61278 65936 89104
65203 76307 56476 63586 70632 89150 52212 15025 67298 48257
18720 62872 85343 43766 78829 57006 27753 33544 11600 16328
82065 95502 82632 24086 15782 98363 66669 84641 78893 08078
48424 71330 61984 72071 12557 20136 83333 48512 58766 48852
238 60 00000

E07

11593/10293/9293 kHz, 1410/1430/1450 UTC

11593/10293/9293 kHz, 04-01/06-01, 1410/1430/1450 UTC

916 916 916 1 676 99 676 99
27380 66404 74192 99041 97495 10744 80758 33132 85626 20656
81112 38261 81805 28168 76661 97925 40246 91769 27432 18065
16470 06585 27181 12672 47408 27741 72672 05746 93002 94255
67129 19487 48675 66176 69996 47994 89464 94839 24036 64771
70469 75923 72441 95362 04538 80485 81261 90095 41938 70202
32499 69375 23692 92493 93904 36580 51695 49188 58654 82888
65904 07916 67172 27942 30408 72106 57728 82310 46047 91591
93999 52869 27083 25485 86057 44606 34820 59264 33440 08378
96135 95604 50462 47523 40587 52820 96651 86398 78090 98440
44680 21265 42262 51404 06816 52871 35950 57640 51170 000 000

11593/10293/9293 kHz, 18-01/20-01, 1410/1430/1450 UTC

916 916 916 1 721 56 721 56
87641 81415 63457 02005 70129 70941 62172 63214 27320 50349
68245 46637 97221 19891 17979 56844 84546 52881 23751 11601
41657 24889 73938 87225 34171 01301 80988 78822 64717 71161
64774 97738 59985 32332 22609 40633 05618 15424 73950 54292
67479 79057 13077 61983 11612 60549 01444 46287 68219 26975
84632 74450 71710 68903 82790 99462 000 000

13375/12175/10375 kHz, 1500/1520/1540 UTC

13375/12175/10375 kHz, 09-01/12-01, 1500/1520/1540 UTC

12-01, 1540 UTC: Restart with call ID, continued from 55919 (group 79)

313 313 313 1 9127 112 9127 112
21181 64093 82117 63423 63763 33963 97007 28118 93088 27350
61484 44697 08168 47291 19323 33263 24534 93971 44105 97723
29115 80812 43040 73830 62274 96013 84435 72843 17682 81572
52413 52647 57829 26697 85887 61854 45005 82720 97972 17069
16397 07742 49027 04872 21388 33923 84408 58531 17508 36341
19389 52246 66445 89504 90749 13179 96054 80369 69930 89303
20065 86045 87315 57443 50744 95370 86423 46106 86355 44508
13092 76801 24261 95848 83680 16460 88261 27617 55919 20587
22889 46815 80911 49164 10140 46527 99829 47206 78464 98692
75045 58484 12494 31980 99297 64271 23695 60882 38640 17805
85478 78188 91958 99011 38397 78528 50246 12575 19863 95736
39299 84870 000 000

13375/12175/10375 kHz, 23-01/26-01, 1500/1520/1540 UTC

23-01, 1500 UTC. Restart after group 128

313 313 313 1 554 132 554 132
09469 31417 74037 11878 48391 82938 77022 59611 59694 36941
07228 69404 08467 05569 08804 86333 98065 46992 67293 85109
73520 94854 26186 86782 784781 1449 24050 67830 97654 14784
71593 62836 97688 57680 72035 70587 43119 38122 39315 81694
71696 79522 89676 44318 30889 35500 12838 39686 68937 04728

00506 48229 71547 04683 05128 34847 77958 34804 96091 70768
19947 25226 75766 20679 56318 33978 63527 37180 08965 77305
15382 88063 35837 21636 37385 63251 93499 72205 99497 68672
13338 93561 15480 86221 10397 06808 88356 72951 49847 76710
95467 83921 51287 47224 83914 40828 86788 02438 84867 30975
78988 66602 93897 55392 99115 32310 57573 78685 18997 33237
59999 40014 91955 03545 16849 69166 28340 97047 43426 40369
48837 69278 56301 20867 09286 15283 90420 80011 95288 00808
17714 84302 000 000

Test transmissions

13439 kHz, 23-01, 1650 UTC

123 1 (R) [too weak, unreadable]

_1867 98439 57368 30025 60622 83861 47555 15889 [silence]

123 1 (R) then off

E11a

23353 kHz, 01-01/05-01, 0830 UTC

185/28 Attention

07989 60203 16605 49376 65234 76448 10785 98964 39032 85096

32745 48829 74923 93361 62435 36791 32306 87575 04321 24521

96557 09128 53076 47338 42801 32608 74542 58358

Attention (msg rptd) Out

9130 kHz, 02-01/05-01, 0715 UTC

637/32 Attention

96164 55497 79449 00094 86165 11426 66156 80053 29336 13672

68543 43229 19250 04740 64715 50322 92245 02752 22581 93675

16644 95442 01462 68285 85766 83860 71538 49394 75177 20295

06365 75598

Attention (msg rptd) Out

7469 kHz, 03-01/04-01, 0930 UTC

276/39 Attention

93424 32279 47501 70796 11010 56762 66086 27758 52395 27612

30820 80189 26533 37943 18113 19149 22237 73421 74183 70459

42135 64590 32593 91287 02765 37834 35487 43454 75867 89286

94115 80333 04389 73977 04982 60829 15905 99188 87004

Attention (msg rptd) Out

5371 kHz, 06-01/07-01, 0700 UTC

498/39 Attention

95690 23427 05706 23066 82847 97715 92141 70524 50901 43613

74473 08245 18507 25501 93331 18071 12956 25930 44464 55911

54358 01743 02043 22655 60967 96293 28732 57147 25681 58382

53613 07530 62042 30212 13817 59234 94085 53228 02528

Attention (msg rptd) Out

8456 kHz, 08-01/10-01, 0315 UTC

253/31 Attention

24643 46648 79201 11742 62450 87721 05052 59255 98525 53982

56394 01663 46678 25518 20257 53363 64683 88277 42601 90234

22533 33837 59699 19301 23012 10745 63325 07459 64899 17609

25323

Attention (msg rptd) Out

4909 kHz, 08-01/11-01, 0450 UTC

410/39 Attention

59499 37336 02561 90091 89070 32500 73282 92620 38344 68023
80689 88962 12556 14068 21994 92786 00149 99620 21815 09260
91276 22389 32997 42938 11483 35125 52959 78554 46279 85513
53910 18872 01406 42001 18400 26217 65990 63846 17954

Attention (msg rptd) Out

11104 kHz, 08-01/10-01, 0715 UTC

754/40 Attention

82816 54740 66495 73350 93970 47079 58698 70622 36462 78455
73350 93970 47079 58698 70622 36462 78455 36355 87440 88839
86694 02994 23284 97963 64310 23128 12618 92191 04098 90357
48655 28148 95379 31297 34349 63860 43492 52888 90092 02075
48268 12450 95765 83412 79065 93036 59636

Attention (msg rptd) Out

10213 kHz, 08-01, 0745 UTC / 5409 kHz, 11-01, 1530 UTC

264/37 Attention

99000 10865 15239 79512 27690 19559 36514 09899 74269 27462
08380 70614 82806 80897 81051 76080 62678 72942 41848 45644
96743 18748 49804 14710 65925 94213 82845 26656 90828 92914
97961 12146 24439 81742 64100 04071 73370

Attention (msg rptd) Out

11100 kHz, 08-01/10-01, 1045 UTC

697/39 Attention

88307 19934 13289 94969 18061 47760 04721 14808 31613 12183
21532 68295 80831 46805 76573 20261 42089 03643 66892 01242
26602 13354 24197 28187 92849 01689 99209 56204 22801 31862
18366 43638 36915 12105 51556 62386 39620 60850 86931

Attention (msg rptd) Out

12924 kHz, 08-01/14-01, 1745 UTC

247/30 Attention

21263 54068 18649 04233 41251 89619 92805 90388 02175 53179
59727 68606 80284 97076 24326 64920 05498 43224 29465 15262
31932 94779 55969 84873 57940 27979 11330 11029 86684 27984

Attention (msg rptd) Out

6849 kHz, 08-01/11-01, 1900 UTC

647/40 Attention

70814 36142 86462 32978 65511 60459 98698 31403 69951 13313
53583 88063 63785 64959 15694 42556 72731 65718 80045 10616
68395 29411 69415 55123 17960 00900 15479 08671 31670 40724
68855 59573 48315 88823 18046 30043 58067 81173 93601 16198

Attention (msg rptd) Out

7840 kHz, 09-01/11-01, 0645 UTC

514/38 Attention

75079 30381 45815 79319 46422 51168 38711 31109 84022 38734
23363 05956 20245 66089 22776 20155 72781 53518 80578 02963
51075 56323 84945 02497 49067 54486 62504 11708 83039 69856
13365 58002 56360 05934 25377 12097 86989 50317

Attention (msg rptd) Out

6804 kHz, 09-01/12-01, 0700 UTC

577/40 Attention

04853 39056 13166 20711 55057 46614 83302 06783 41500 94692
92300 01380 09833 94455 92113 12779 75072 48722 88234 34925
32399 84779 44634 75739 74781 55868 78592 35566 66752 63322
14218 54023 46449 68901 02314 91920 22638 04939 29883 86424

Attention (msg rptd) Out

13908 kHz, 09-01/11-01, 0745 UTC

229/36 Attention

88065 35388 98341 11980 05701 04752 54090 43020 84277 59345
55946 23997 46484 39879 38390 87129 92601 78849 88810 32704
05822 96858 88589 38797 31018 07076 51023 30433 49549 59855
02369 91577 96645 77649 95530 49093

Attention (msg rptd) Out

13363 kHz, 09-01/13-01, 1430 UTC

912/37 Attention

57075 34663 12691 62200 81699 60530 37920 96907 77072 89375
10338 36460 12029 08195 03324 53239 59694 58055 01037 70575
33410 75493 52965 92613 28214 80222 52670 41007 51525 81451
69529 74721 05050 52628 44093 65591 01031

Attention (msg rptd) Out

5082 kHz, 11-01/14-01, 2000 UTC

525/35 Attention

27013 13405 63595 91815 26788 08404 78391 43932 85530 40510
44354 71934 37701 75213 29281 31523 48436 41306 49419 84508
30172 91366 64049 90907 84245 46155 51087 52061 76265 01946
38124 06236 16227 40001 66624

Attention (msg rptd) Out

6849 kHz, 12-01/14-01, 1815 UTC

925/35 Attention

84246 69593 28363 33506 14996 16213 60019 69732 08071 20144
17916 17985 49655 46292 46649 12389 26087 31989 36456 17437
22194 71195 07644 06041 82001 04538 79071 96107 69443 33404
17076 18364 22199 85468 08843

Attention (msg rptd) Out

10487 kHz, 12-01/14-01, 1910 UTC

616/37 Attention

09225 09313 31065 21581 75913 56518 69962 62952 23603 68516
11843 10539 88897 98679 20782 71069 87573 27035 80525 77151
38939 21528 98193 21552 51848 33501 89587 40230 75526 35708
23191 25588 99741 43108 87193 49297 82878

Attention (msg rptd) Out

4909 kHz, 15-01/18-01, 1300 UTC

316/36 Attention

54441 96630 91407 69071 04373 88243 02076 11123 93910 21125
48428 86936 76795 92783 15468 42435 47006 57511 81056 76652
99089 74821 62577 54464 00378 67432 97429 83975 31213 71743
39861 24815 24960 28954 84576 52929

Attention (msg rptd) Out

12153 kHz, 16-01/18-01, 0505 UTC

335/35 Attention

37678 08235 01973 48610 14200 26704 73071 62807 08733 48038
67568 60982 68584 32977 65547 53755 80018 13430 11435 77672
06854 97503 78376 42455 58988 77957 56005 99073 06262 81669
34324 56017 25527 52088 06996

Attention (msg rptd) Out

17378 kHz, 16-01/18-01, 0845 UTC

151/36 Attention

54517 51611 14837 14170 67584 76811 50038 73489 57262 05546
31198 62204 46933 32284 04114 45498 28221 89294 73766 67580
53486 62631 04497 51052 02572 06603 33664 69465 31923 09877
64573 08047 16937 12027 82210 66617

Attention (msg rptd) Out

11559 kHz, 16-01/17-01, 1205 UTC

465/35 Attention

21039 94450 00596 08405 24814 62591 91578 56152 53957 98356
62397 15726 36135 97187 36826 80724 50406 45259 40493 14397
74096 74264 55445 47166 12729 74651 02417 20974 19147 81668
88037 24634 21011 66106 85437

Attention (msg rptd) Out

17378 kHz, 17-01/19-01, 0745 UTC

343/32 Attention

34757 24171 20822 59750 07486 34310 14983 21194 07537 50978
55758 72741 09633 89829 83090 50952 98300 27692 05447 96770
65686 54888 33938 68933 34204 92586 55266 63407 04448 63864
32522 59886

Attention (msg rptd) Out

5082 kHz, 17-01/19-01, 1715 UTC

974/34 Attention

89280 57045 09330 32340 59276 72090 16167 49883 23151 06083
03043 57392 39765 73433 38265 92144 78690 66434 19492 33813
01033 33758 84314 07208 46036 10386 18709 49382 08671 28301
22275 97121 33965 68128

Attention (msg rptd) Out

23004 kHz, 22-01/24-01, 0600 UTC

948/30 Attention

98076 82607 72216 63212 75924 62861 58448 57736 38593 34448
11616 34917 81015 57065 33754 85262 92498 88524 53503 39466
28555 38221 54940 78874 68153 90701 43778 69771 67555 77413

Attention (msg rptd) Out

9079 kHz, 23-01/26-01, 1000 UTC

306/23 Attention

42592 49140 48195 23797 90345 78861 77471 72885 34128 39772
38133 39806 77850 15486 80299 67785 03744 88566 70532 14575
91208 02883 72576

Attention (msg rptd) Out

5432 kHz, 23-01/28-01, 1605 UTC

230/32 Attention

36288 70039 12073 95501 56126 17149 84835 26621 20973 29242
60198 79340 57805 27963 23299 63064 01327 72576 48184 55298
48756 67276 92152 90091 56205 61515 92073 82965 01982 43140
20698 37674

Attention (msg rptd) Out

4505 kHz, 24-01/27-01, 1910 UTC

395/32 Attention

99985 86062 05298 75450 40656 55974 94074 71254 32397 99791
31183 33256 37374 78189 06674 92511 04998 52926 29416 55420
71387 34511 14646 30143 65860 45432 41202 16338 25382 77921
93695 36215

Attention (msg rptd) Out

6986 kHz, 25-01/26-01, 0820 UTC

436/33 Attention

20974 84100 09615 05893 03545 11738 85129 87062 21182 92695
38073 89248 09712 29458 36335 23352 63262 11230 08517 28331
94198 24986 30351 15935 73358 09107 30577 87601 85716 00702
68719 59126 82890

Attention (msg rptd) Out

7850 kHz, 26-01/28-01, 0600 UTC

353/36 Attention

24757 43721 80194 43332 80704 38600 08887 88587 60169 26760
47785 37622 41586 77372 12803 15646 13064 94449 65841 77951
77350 29072 49193 86359 60948 75848 29951 95666 44487 05497
74209 34968 11775 38960 84084 18683

Attention (msg rptd) Out

4909 kHz, 27-01/28--01, 1530 UTC

365/39 Attention

96882 75624 95048 30046 73734 39579 57159 45140 52100 60878
10259 60794 15756 33296 94336 23866 36799 59289 02461 33016
27032 09884 71519 47830 13373 06937 96285 47461 65722 47031
27856 91622 14754 80297 04355 51655 59310 72237 51568

Attention (msg rptd) Out

12067 kHz, 29-01/31-01, 0845 UTC

713/34 Attention

79757 30127 99330 64802 14097 38643 03662 60225 83405 53405
67290 63769 11118 24095 32542 91257 44464 91022 88895 39699
81206 71095 86776 02977 32810 69013 47798 06159 49862 98130
33324 43279 02989 86965

Attention (msg rptd) Out

11092 kHz, 29-01/31-01, 0900 UTC

537/39 Attention

70338 61364 36551 09464 98806 84836 73393 66314 37753 01078
54486 28264 13194 38023 18125 10119 72848 56699 30671 55123
80262 29806 37889 70073 48509 23787 96629 93784 47577 49227
38859 63077 19325 65019 92680 00048 92502 72169 48712

Attention (msg rptd) Out

14611 kHz, 30-01/31-01, 0820 UTC

133/36 Attention

77529 05053 80204 24059 52346 23825 87673 47193 39005 01307
90457 60304 70510 97875 83684 09729 15177 07300 48972 86728
31805 49321 96133 48236 49042 12001 84934 13497 26855 30647
52257 79407 63913 49362 10399 87900

Attention (msg rptd) Out

G06

11073 kHz, 30-01, 1358 UTC. 352 (1x)

11073 kHz, 30-01, 1410 UTC

352 (R4m15s) 198 60

37180 89766 95722 14973 55264 85449 47613 77639 63885 00984

67428 87327 64890 66329 84159 58397 52125 [15s silence]

352 (R2m25s) 3 [6s silence]

352 (R1m)

63885 00984

67428 87327 64890 66392 (group corrected) 84159 58397 52125 36120 71180 38454

42303 [52s silence]

352 (R1m)

71180 38454

42303 62173 05691 74309 48564 80638 95050 12418 26391 60017

12206 44714 46575 84808 07366 35812 74924 72793 88159 92472

63391 49439 85417 61310 82322 27877 46798 65646 48501 67875

25426 17471 28682 12268 55742 65428 23301 24224 33748 64790

198 60 00000

Full recomposed message:

352 198 60

37180 89766 95722 14973 55264 85449 47613 77639 63885 00984
67428 87327 64890 66392 84159 58397 52125 36120 71180 38454
42303 62173 05691 74309 48564 80638 95050 12418 26391 60017
12206 44714 46575 84808 07366 35812 74924 72793 88159 92472
63391 49439 85417 61310 82322 27877 46798 65646 48501 67875
25426 17471 28682 12268 55742 65428 23301 24224 33748 64790
198 60 00000

S06

5943 kHz, 05-01, 2100 UTC

842 842 842 00000

WinXP shutdown sound after transmission

7377/5410 kHz, 06-01, 1600/1630 UTC

9946/8095 kHz, 07-01, 0730/0800 UTC

480 516 43

80967 45241 28079 31597 38505 05049 41262 79683 27101 27079
98196 18750 15395 38349 64189 35615 17351 76929 93593 17191
93616 78234 90136 68375 92451 29019 18340 69150 28247 56485
01929 80690 65454 35182 68043 03286 67065 63212 38127 41239
47253 45282 95052
516 43 00000

7377/5410 kHz, 20-01, 1600/1630 UTC

9946/8095 kHz, 21-01, 0730/0800 UTC

480 169 42

54106 51624 28929 15780 50145 10126 52646 45973 15035 79632
52609 60137 72517 80816 76219 35907 47295 92783 02056 67203
75729 84140 32010 24876 03971 34249 89468 58740 95312 79056
67570 96590 92838 21654 36127 67902 25795 04586 59841 83218
02128 59738
169 42 00000

9463/9073 kHz, 03-01, 0930/1030 UTC

480 927 41

90109 52964 28418 92768 94784 82420 18214 31094 42029 39290
12947 15187 07139 50459 08920 02863 78471 78426 15264 59731
68543 95389 20624 74039 20439 95140 04381 82934 56279 45393
35027 04759 07527 48487 96718 84278 27268 28527 81753 84324
13272
927 41 00000

9463/9073 kHz, 10-01, 0930/1030 UTC

480 739 45

14197 76916 18398 87613 68410 68951 94323 31257 37547 13432
21729 46309 58042 52701 42682 10767 81783 27812 25218 09196
24619 83805 48697 83910 96081 74217 86421 07185 17215 05082
06912 85079 23191 41701 83946 94535 86574 57372 24369 19482
56436 26401 40537 73926 02814
739 45 00000

9463/9073 kHz, 17-01, 0930/1030 UTC

480 357 42

49802 96414 08142 37157 04527 27957 63586 19609 31967 51320
27456 52345 01960 49647 76704 15780 36725 71465 43150 94506
01831 59109 84154 45039 40469 38681 13970 90862 90981 28542
23767 64246 86908 07030 62081 49548 05935 75803 75631 20507
31069 92760
357 42 00000

9463/9073 kHz, 24-01, 0930/1030 UTC

480 235 47
68082 23598 39650 08050 36928 70521 83538 94135 78708 67419
09576 43293 40130 90964 30451 39851 98565 79715 72058 79106
35832 25480 16983 74828 82971 79142 25101 01321 40415 95084
72617 13492 23403 86913 08185 57187 97318 07860 06490 36816
37049 19810 59590 46068 04090 61580 39584
235 47 00000

9463/9073 kHz, 31-01, 0930/1030 UTC

480 315 42
62421 67505 93545 21348 53807 83485 95245 25623 58912 31401
17285 57847 34036 05130 19296 48296 32496 16318 08647 56919
59073 37104 05089 72686 78162 27657 41254 80253 37686 93762
64157 47810 13975 43162 25413 85376 49242 35412 41605 72102
58635 74583
315 42 00000

No transmissions on 1-8 January

11616/9322 UTC, 09-01, 0400/0420 UTC

480 973 56
85869 10211 31054 72772 03001 57833 53114 73414 10925 86176
64136 03472 78035 16291 39758 68061 39555 47506 67716 36318
68378 55398 56437 78082 27260 96497 77315 69047 63296 24418
64119 81549 30619 47103 17968 03188 52257 79872 91306 50465
57095 73951 49329 69640 52861 25186 32277 41966 21095 92614
67050 35520 45018 81590 01580 70791
973 56 00000

11616/9322 kHz, 10-01, 0400/0420 UTC

480 162 53
78514 75649 65926 93566 04273 01511 37115 41625 18729 12491
24877 41520 07510 22351 01120 43286 48299 32081 08659 25334
29800 43468 22811 71149 78996 14167 20500 83599 76409 52715
48080 97766 64024 76927 12044 78256 75583 84098 13816 11914
43927 06471 30817 31893 65073 50387 00985 34007 23729 42572
48936 71303 09904
162 53 00000

11616/9322 kHz, 11-01, 0400/0420 UTC

480 795 60
90952 76721 48679 84210 66478 55391 85419 75782 18273 56985
71232 17804 11835 35338 82015 98344 05365 45683 90092 34845
40234 40755 63513 64415 61246 15835 10001 57280 52615 32396
13953 95562 00606 75059 39952 84575 18772 21533 01220 88829
96729 30226 16439 09930 58405 75230 03408 48561 40686 83349
82938 17733 28431 52868 91443 99494 06752 58743 25663 62280
795 60 00000

11616/9322 kHz, 12-01, 0400/0420 UTC

480 236 53
00626 96166 56996 84687 05530 70032 60839 15436 11764 37788
53138 97561 90706 99755 27667 35763 19926 89165 52508 55082
22849 89238 49212 65496 35477 85526 48240 07864 79843 51936
12858 42145 48892 93891 48679 63854 32476 97058 41031 59669
39152 55069 87350 38135 93461 74694 16781 96409 13394 81891
14166 08978 97709
236 53 00000

11616 kHz, 15-01, 0400 UTC

9322 kHz, 15-01, 0420 UTC. No transmission

480 157 49
12780 59552 24794 66997 78502 66157 18372 90675 60994 24775
70682 90437 41298 86017 36720 25895 75695 97364 59324 13471
12412 05500 74622 22343 15082 92338 85917 12668 77628 68188
23238 02029 00255 70471 30700 71050 61243 41452 48904 44097
64237 83410 84533 06023 65705 14687 84645 40881 12256
157 49 00000

11616 kHz, 16-01, 0400 UTC. No closing nulls

9322 kHz, 16-01, 0420 UTC

480 329 56
70309 68241 56276 03766 80064 92178 12602 72796 83220 02956
66381 65665 90004 61845 49630 45755 08800 43153 70873 15626
27091 32729 76418 67134 80802 68359 21097 78913 60436 64254
59426 15902 27476 86793 93107 10613 39478 73738 35819 30824
07295 14079 81227 63394 32854 30724 85154 68861 00959 33202
97852 86544 23511 32570 07307 94814
329 56 00000

11616/9322 kHz, 17-01, 0400/0420 UTC

480 561 52
45292 79778 31775 93925 62112 48252 20150 86439 80914 38560
28838 94034 31754 17541 49919 41539 35924 52385 97925 69560
11178 80471 77805 68044 08299 35956 36575 28298 39943 37772
22101 30651 87723 68752 97453 09957 98436 00552 84255 66105
05395 44052 33481 11750 35799 29952 47123 74418 90071 49209
99192 95223
561 52 00000

11616/9322 kHz, 18-01, 0400/0420 UTC

480 792 63
18296 05960 70242 07741 31918 42596 01820 36415 73259 59377
37177 75812 10178 77891 70751 05623 53585 90101 24242 18788
65448 66978 33540 74915 19554 31301 56464 57696 82378 30551
80977 34760 06108 70839 38588 43410 51065 97809 52611 50679
79730 35452 75975 61132 89517 18761 98275 70868 76515 81179
26751 91141 47366 82770 70864 90060 21495 90042 85203 25781
90826 43374 50350
792 63 00000

11616/9322 kHz, 19-01, 0400/0420 UTC

480 365 70
00408 01763 15365 13344 57187 91800 94992 52331 24656 33099
27791 80561 50570 04346 81780 86056 89659 27323 81467 44348
59611 65531 94727 21654 00654 40887 10026 29694 93445 41918
71143 68126 14956 21901 61629 15501 37017 10379 56129 54697
97238 86496 80809 43765 96979 87587 50042 68116 06051 51449
71553 35002 78847 15759 37208 96212 11595 23041 41636 09932
95391 04647 95874 77700 44747 42177 28212 17402 06288 29778
365 70 00000

11616/9322 kHz, 22-01, 0400/0420 UTC

480 179 52
00408 01763 15365 13344 57187 91800 94992 52331 24656 33099
27791 80561 50570 04346 81780 86056 89659 27323 81467 44348
59611 65531 94727 21654 00654 40887 10026 29694 93445 41918
71143 68126 14956 21901 61629 15501 37017 10379 56129 54697
97238 86496 80809 43765 96979 87587 50042 68116 06051 51449
71553 35002
179 52 00000

11616/9322 kHz, 23-01, 0400/0420 UTC

480 235 61
86995 66461 81269 97998 96591 96743 20666 17239 15692 64846
14713 07776 33081 91227 23390 32966 57803 57416 10860 71214
44843 28149 24904 56908 18554 62278 20206 40591 92281 04634
86422 73068 07616 76035 66979 43114 41710 03629 79519 23490
56102 58750 73954 04948 85477 94489 89053 22904 89812 00155
93498 06487 18330 14814 22353 04625 58718 67109 44879 68878
70029
235 61 00000

11616/9322 kHz, 24-01/25-01, 0400/0420 UTC

480 961 60
10463 84905 85551 87313 95660 94372 94334 58690 90907 67795
74229 56345 41474 89012 06905 76000 37858 44961 74283 38482
15217 41587 31854 25015 73605 23761 01999 12622 98692 97639
79528 70549 87660 78895 66614 03669 09966 15273 79299 53792
57649 56895 92780 94829 64887 72759 17648 82736 01465 36866
24269 46177 69864 32411 57502 28857 60659 47481 08935 19446
961 60 00000

11616/9322 kHz, 26-01, 0400/0420 UTC

480 569 71
01928 48850 87406 52357 25307 92675 75845 14457 02030 40895
07461 62526 79351 47441 15170 52437 68055 98334 64604 64959
10050 68420 31520 61561 01138 53974 58602 37194 98652 29634
33855 80968 68647 03076 57757 80701 52317 65895 91373 32226
56349 64100 02618 39439 96885 36686 52841 16006 51792 95701
90942 24656 00906 46267 47184 15022 58965 69965 43907 45946
30904 20049 65320 03202 44190 01905 53568 48555 37911 37208
23248
596 71 00000

11616/9322 kHz, 29-01, 0400/0420 UTC

480 172 53
09029 76514 60882 17335 97326 34070 67575 38257 03573 95256
32173 99004 18259 34285 09490 67467 24955 64579 19556 83328
94708 79545 95197 14700 62973 05936 92602 29696 81235 30739
69557 06389 60535 87562 61054 29582 49079 13405 06947 47830
11112 11786 11341 89163 99248 83165 38417 58926 37454 08575
74358 68190 56853
172 53 00000

11616/9322 kHz, 30-10, 0400/0420 UTC

480 395 67
66368 61909 50518 49654 58750 60954 28971 45868 98520 48140
80685 53958 39585 21678 15139 88476 65522 28544 87607 02733
02523 72903 59999 86710 77727 51572 96941 41258 58922 96227
95559 20730 36513 27036 72387 61279 33722 47400 55837 36981
55954 34502 57682 10970 15247 05343 21974 73790 90762 62944
74839 86139 11258 52429 23602 68193 70455 81638 78642 02698
11265 86001 96465 44024 39793 42316 67386
395 67 00000

11616/9322 kHz, 31-10, 0400/0420 UTC

480 617 52
13856 67924 48903 35199 39944 86157 35559 28667 21781 35704
24458 75746 54004 00372 62724 27571 44789 58614 05503 49194
41066 28357 33798 77547 62032 53315 79834 16986 20654 29258
52121 33378 37849 93650 77418 32661 79022 27117 01776 34812
67664 40143 17850 79160 55678 43493 10674 21994 55137 25731
39067 12380
617 52 00000

9463 kHz, 31-01, 0835 UTC

801 (R3m30s) 801- [35s silence] 01
801 (R1m) 942 56
69237 38069 44530 56542 81071 80775 63143 12020 55595 64360
62365 46943 8 [48s silence]
801 (R1m)
55595 64360
62365 46943 85873 0217 [12s silence]
801 (R1m15s) 1 801 (R55s)
12020 55595 64360 62365 46943 85373 (group corrected) 02174
24055 21151 98911 43273 38696 88027 41388 94858 86308 42760
39709 16286 75257 60155 07817 51841 74910 01683 01182 944 [36s silence]
801 (R50s)
01683 01182 94489 03089 96453 40437 97751 54228 25809 53065
77922 79212 66210 06596 73804 52795 70114 31748 56153 89562
89527 58944 04009 94365 71925
942 56 00000

Full recomposed message:

801 942 56
69237 38069 44530 56542 81071 80775 63143 12020 55595 64360
62365 46943 85373 02174 24055 21151 98911 43273 38696 88027
41388 94858 86308 42760 39709 16286 75257 60155 07817 51841
74910 01683 01182 94489 03089 96453 40437 97751 54228 25809
53065 77922 79212 66210 06596 73804 52795 70114 31748 56153
89562 89527 58944 04009 94365 71925
942 56 00000

11073 kHz, 31-01, 1210 UTC

352 (R) 784 60
83156 97144 81550 21052 56623 03343 98944 00483 18331 45873
37715 05696 05003 01304 off
352 (R)
05696 05003 01304 20427 23121 91827 35777 03842 41819 25355
63280 39023 97739 63537 39560 09656 09094 71323 33867 59533
57519 45264 45726 45139 94745 65555 58906 74263 79422 98962
49792 16592 73822 01062 92330 97205 55087 91231 26751 08932
50718 98840 84242 04469 92983 04060 84777 51250 51949
784 60 off
352 (R)
04469 92983 04060 84777 51250 51949
784 60 00000

Full message:

352 784 60
83156 97144 81550 21052 56623 03343 98944 00483 18331 45873
37715 05696 05003 01304 20427 23121 91827 35777 03842 41819
25355 63280 39023 97739 63537 39560 09656 09094 71323 33867
59533 57519 45264 45726 45139 94745 65555 58906 74263 79422
98962 49792 16592 73822 01062 92330 97205 55087 91231 26751
08932 50718 98840 84242 04469 92983 04060 84777 54250 51949
784 60 00000

9463 kHz, 31-01, 1410 UTC

801 (R4m) 469 52
07451 35699 77789 09914 90914 83016 29897 75692 84194 62262
44963 18155 96913 51614 39147 19436 [35s silence]
801 (R55s)
18155 96913 51614 39147 19436 21454 96541 32633 19701 29817
87895 08861 57015 91692 45965 03527 56125 37140 27672 09316
95863 12349 99096 07294 09850 01899 40528 60891 00183 15957

76217 33433 68800 65859 46029 15126 96216 76509 61167 70471
22296
469 52 00000

Full recomposed message:

801 469 52
07451 35699 77789 09914 90914 83016 29897 75692 84194 62262
44963 18155 96913 51614 39147 19436 21454 96541 32633 19701
29817 87895 08861 57015 91692 45965 03527 56125 37140 27672
09316 95863 12349 99096 07294 09850 01899 40528 60891 00183
15957 76217 33433 68800 65859 46029 15126 96216 76509 61167
70471 22296
469 52 00000

10755 kHz, 31-01, 1740 UTC

975 (R) 421 60
96305 51426 05337 75338 97126 37765 88332 47486 47146 51342
59051 4251 off
975 (R)
47146 51342 59051 42515 65683 42142 19397 04773 73671 85812
47458 99001 91288 40537 25657 69807 29037 71203 05318 83253
89469 26786 87344 99020 21752 81894 63711 46575 96238 78420
69427 03777 91262 28212 39689 01362 09312 62727 01886 01748
64792 40600 57166 25590 10564 49047 31233 24527 95423 60061
99072 23560
421 60 00000

Full message:

975 421 60
96305 51426 05337 75338 97126 37765 88332 47486 47146 51342
59051 42515 65683 42142 19397 04773 73671 85812 47458 99001
91288 40537 25657 69807 29037 71203 05318 83253 89469 26786
87344 99020 21752 81894 63711 46575 96238 78420 69427 03777
91262 28212 39689 01362 09312 62727 01886 01748 64792 40600
57166 25590 10564 49047 31233 24527 95423 60061 99072 23560
421 60 00000

S11a

9050 kHz, 01-01/04-01, 0700 UTC

470/35 Vnmaniye
94249 81984 23831 82765 75507 88087 49700 42185 66254 62577
35254 56077 82472 90948 54897 51416 21400 07220 86436 76350
12009 84806 82817 32792 21226 39463 14762 53842 55019 47654
64570 13959 82341 83644 21541
Vnmaniye (msg rptd) Konets

5371 kHz, 06-01/07-01, 0830 UTC

376/34 Vnmaniye
76328 59429 78121 77369 88040 27769 63459 37267 96469 58828
73973 31260 72235 66290 81547 68356 47488 34689 98609 12029
50522 38617 27668 84308 62576 01473 38101 13440 60487 71167
57538 66364 56595 64942
Vnmaniye (msg rptd) Konets

11486 kHz, 03-01/06-01, 1850 UTC

282/35 Vnmaniye
37493 07343 26466 71792 35953 76602 20785 92586 41931 22501
83411 24869 87224 55112 72056 60670 39488 53138 11287 83932
01633 13747 19693 60342 80294 92338 36007 98070 73468 56016
35408 53229 06069 81021 05934
Vnmaniye (msg rptd) Konets

10448 kHz, 09-01/12-01, 1400 UTC

425/36 Vnimanije

30421 11155 54625 33058 56699 72415 58609 41348 08673 63434
02812 36606 85899 76279 90656 27609 35981 35604 14667 86374
77655 24679 12992 91639 91179 63692 18044 72035 15626 78329
01236 32703 46026 00555 16550 90729

Vnimanije (msg rptd) Konets

23486 kHz, 10-01/12-01, 0725 UTC

384/36 Vnimanije

78462 70131 89980 64133 88680 24223 37128 09051 82595 63412
86150 80277 53426 14284 78693 21657 88139 92352 77972 37884
07036 88815 95421 18098 45966 61638 21583 60555 21139 01599
01156 83619 19302 71433 13862 04007

Vnimanije (msg rptd) Konets

21906 kHz, 15-01/17-01, 0510 UTC

650/32 Vnimanije

06160 60944 12702 49645 54921 84268 88208 31910 75011 27924
29700 14149 70359 57537 61796 73420 07758 64074 48833 87464
98432 50239 69189 87966 29403 53590 73524 20087 70888 71301
99696 64302

Vnimanije (msg rptd) Konets

6252 kHz, 15-01/19-01, 0915 UTC

484/33 Vnimanije

59896 84304 05330 97243 88963 05483 46550 18402 08149 43678
68856 63993 44651 80579 18087 20357 53627 04038 09224 29804
02990 80722 36081 65022 65200 19139 91916 90253 22785 44784
32222 76518 80099

Vnimanije (msg rptd) Konets

11559 kHz, 23-01/25-01, 0445 UTC

790/37 Vnimanije

76520 03791 68203 33920 10225 99431 39364 34009 17532 83587
05031 42976 37263 04449 51498 25173 76264 89232 09257 21746
99963 09467 49132 97525 51520 77966 62525 01962 01662 36488
32646 26642 11161 75326 67159 12677 63310

Vnimanije (msg rptd) Konets

V07

17436 kHz, 07-01, 0200 UTC

464 464 464 1 7598 119 7598 119

52476 92094 20494 19507 87717 03880 28848 11253 99190 36243
88312 20225 28493 35667 04799 79737 31228 16873 46797 00103
89944 08307 98713 58310 26866 13871 40973 77921 64642 73485
91286 27345 42760 89058 63774 02747 87187 82380 05715 38025
14799 45660 56573 50515 29867 32929 30192 84235 46677 11701
34644 84796 98610 36216 02535 86188 78263 79262 70513 33844
77362 37832 86066 37382 75663 47675 12031 30428 12707 39933
98040 70553 60161 87410 15737 61577 01169 42740 09649 12556
88220 27160 85130 20058 46458 17650 07158 56609 98142 54757
68793 88616 76488 77213 53425 49485 09123 06180 09777 86173
88286 91965 63244 14975 33788 14446 95693 53527 80865 43755
46881 11802 18047 87887 50573 66617 75419 04509 83135 000 000

17436 kHz, 14-01, 0200 UTC

464 464 464 1 7608 124 7608 124
27655 43841 36968 47319 39927 21663 21977 16104 13979 54198
68364 33957 67497 64881 87862 76650 67836 42363 15257 24985
84062 53042 07727 56318 92714 16180 76503 71573 91903 00100
76799 76871 44371 28584 70503 54202 75308 12301 10996 44417
71785 36852 90016 50680 13473 18931 45526 55787 66925 72508
20111 82418 40683 64961 87746 46762 14590 90912 91716 98191
71059 77717 44108 14580 27292 50266 87866 87232 29513 22236
96654 08469 16625 06326 29416 38010 13688 33934 76362 01715
19339 73267 77259 79836 31288 91162 19990 64258 48465 40136
74515 99325 51114 02104 77553 78503 89887 46958 64968 35415
24739 41446 57082 95821 91426 35240 52337 52138 54883 13157
54549 52653 10211 94513 08220 10460 60904 63116 57677 92533
94397 83116 20852 77478 000 000

17436 kHz, 21-01, 0200 UTC

464 464 464 1 5658 126 5658 126
79313 33925 03502 39553 68338 47459 82417 72941 61944 50286
46358 58775 05156 88032 90836 70604 28691 68999 77062 55349
45921 96888 39850 02307 84134 53888 21338 63355 36257 28413
03790 19274 63153 38086 91789 16380 11161 37495 16074 52212
19443 49707 32140 28125 07223 73546 45924 31545 32053 52094
82949 67649 07305 82056 05380 63228 70171 26903 46407 91921
47977 79600 53086 18317 22494 00474 71104 80959 31618 47145
11793 42871 11116 14267 47585 12707 56706 08329 09476 84578
73440 84517 49426 12201 49792 93521 00890 42748 09837 48784
67995 82158 60118 30518 81373 42276 43590 52675 39269 76551
72072 27198 64524 32523 85039 05747 11851 96088 26361 84365
17931 90209 11342 83489 18067 27256 98048 44776 48593 06352
37238 29210 36497 79478 29081 32234 000 000

17436 kHz, 28-01, 0200 UTC

464 464 464 1 314 78 314 78
67600 42275 82094 49173 41566 98256 32260 15820 76021 04490
88793 89319 20167 73967 57594 10597 73375 30952 62301 42733
33775 93892 83232 85202 56429 15236 83533 16195 95171 11524
67281 68274 71503 41764 15097 83541 95752 05050 80756 23457
02126 98608 82100 56166 38416 38771 50961 66245 87790 87508
91167 08208 65165 04821 10530 24407 72704 68944 31037 50146
19090 17537 41499 75129 59697 93119 87197 51586 63337 51525
75619 21932 39399 64782 06995 28103 26740 67549 000 000

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

13974 kHz, 15-01, 1200 UTC
13974 kHz, 16-01, 1200 UTC
13974 kHz, 23-01, 1200 UTC
13974 kHz, 31-01, 1300 UTC

V28 - 앵무새 Aengmusae (Parrot)

3048 kHz, 19-01, 2106 UTC, AM. Parrot
5499 kHz, 19-01, 2106 UTC, AM. Parrot
5013 kHz, 19-01, 2107 UTC, AM. Parrot
5013 kHz, 19-01, 2114 UTC, AM. Parrot
3010 kHz, 21-01, 0904 UTC, AM. Parrot. Female operator
3048 kHz, 21-01, 0904 UTC, AM. Parrot. Female operator
5499 kHz, 21-01, 0904 UTC, AM. Parrot. Male operator
5200 kHz, 21-01, 0904 UTC, AM. Parrot. Male operator

VC01 – a.k.a. Chinese Robot (Chinese Air Defense)

8049 kHz, 09-01, 1416 UTC, USB
4435 kHz, 09-01, 1419 UTC, LSB
8049 kHz, 11-01, 1006 UTC, USB
4435 kHz, 13-01, 1301 UTC, LSB
8049 kHz, 13-01, 1301 UTC, USB
4435 kHz, 15-01, 1201 UTC, LSB
8049 kHz, 15-01, 1205 UTC, USB
4435 kHz, 16-01, 1404 UTC, LSB
8049 kHz, 22-01, 1130 UTC, USB
4435 kHz, 22-01, 1130 UTC, LSB
4435 kHz, 23-01, 1159 UTC, LSB
4435 kHz, 31-01, 1303 UTC, LSB
8049 kHz, 31-01, 1303 UTC, USB

MORSE STATIONS

M01

5320 kHz, 02-01, 1800 UTC

197 238 238 30 30
86768 74637 62546 75645 66217 85746 73623 81745 63746 72643
08978 76858 90908 74631 85746 75847 63547 88321 90706 76054
75034 64756 72816 77645 88375 74786 89327 89053 26743 75875
= = 382 382 30 30 000

5320 kHz, 04-01, 1805 UTC. Late start.

197 (1x) 175 175 3 (pause) 0 30 = =
11238 14267 13873 14389 12516 19912 16025 13621 14515 12724
21382 27391 26384 25184 29046 23163 24787 29364 23212 24131
31325 31467 31578 31689 31796 31824 31971 32011 32131 34121
= = 175 175 30 30 000

5465 kHz, 07-01, 0702 UTC. Late start

197 757 30 = =
12421 15739 19362 12587 13245 19975 16608 15511 10234 17665
21231 26372 29163 29472 27361 20364 21842 29317 23219 29437
31232 32231 34311 35367 36372 37309 38352 39366 33905 36277
= = 757 30 000

5320 kHz, 09-01, 1800 UTC

197 879 879 30 30 = =
first part unreadable
22633 22453 27801 11366 28289 21317 25019 34531
34531 35413 38702 37036 32373 67303 73233 40561 01326 20316
= = 879 879 30 30 000

4490 kHz, 09-01, 2000 UTC

197 727 727 30 30 = =
12516 29734 11729 16784 19213 17841 19905 11416 15873 18721
21529 29461 27483 29481 29227 22438 27986 28838 21262 29247
36172 35189 38817 39123 31156 31329 95734 96415 95076 99223
= = 727 727 30 30 000

4490 kHz, 11-01, 2000 UTC

197 256 256 30 30 = =
68766 35467 13243 57768 45521 58690 19877 45673 46576 28755
58749 30988 24354 10986 57765 39687 10978 35465 14354 17756
58980 34233 15342 56765 09980 46543 12354 68798 10908 78879
= = 256 256 30 30 000

5810 kHz, 13-01, 1500 UTC

197 788 788 30 30 = =
65837 93728 86950 64535 86758 95847 58947 93720 73925 95876
86090 80987 12345 75648 53758 76953 13215 76859 25245 19687
80709 54321 57689 75980 25345 10987 65984 89809 27564 97898
= = 788 788 30 30 000

5465 kHz, 14-01, 0700 UTC

197 161 161 30 30 = =
86759 26587 10908 12345 65847 98709 14352 75868 96854 35264
54321 56789 23678 95847 36589 13243 98090 76953 25576 28790
17962 17593 72089 62895 13212 55765 85948 65978 24356 98079
= = 161 15 EEEE = = 161 161 30 30 000

5320 kHz, 16-01, 1759 UTC. Sent only 29 groups

197 987 897 30 30
87625 18276 3749 (3794) 84763 23648 93874 72160 01982 74653 87263
65432 12345 83720 91874 64532 87635 28739 71652 87352 17263
87362 51432 60798 76584 28376 87543 87365 01937 37486
= = 897 897 30 30 000

4490 kHz, 16-01, 2000 UTC

197 231 231 30 30 = =
83746 28437 92759 17204 83075 09375 93875 38759 28472 10948
98765 28547 29749 16243 14325 65847 26547 29846 01936 27648
18746 84763 17469 76859 01928 37456 38746 12345 64827 28748
= = 231 231 30 30 000

5810 kHz, 20-01, 1500 UTC

197 307 307 30 30 = =
29463 93035 74834 44835 62193 84642 85738 93295 75839 85735
29457 85748 75740 83721 32856 84850 72845 31745 92051 85915
38495 77485 73242 10474 85734 85732 13759 63825 82363 84756
= = 307 307 30 30 000

5465 kHz, 21-01, 0700 UTC

197 447 447 30 30 = =
39573 38572 13145 64739 75346 93650 93753 37583 95039
38492 05945 52134 73842 04736 73853 72845 31031 84105
73845 38275 47583 38493 65637 (1x) 85736 82014 40375 40456 (1x) 75831 74814 (1x)
= = 447 447 30 30 000

5320 kHz, 23-01, 1759 UTC

197 431 431 30 30 = =
86905 95874 44738 12091 13241 57648 33901 20917 75647 09497
87698 56748 54337 87906 45637 22413 54676 87584 98745 12110
06785 76890 56749 34256 97860 40458 60698 40921 56748 78695
= = 431 431 30 30 000

4490 kHz, 23-01, 2000 UTC

197 731 731 30 30 = =
87165 13241 09816 33019 28110 12199 46376 04352 47638 09485
75648 13241 77154 22617 95877 88165 20190 90487 01831 30187
76192 87164 15426 71771 29921 33910 44916 22890 44028 45638
= = 731 731 30 30 000

5320 kHz, 25-01, 1800 UTC

197 133 133 30 30 = =
16574 53647 86759 90809 12345 76847 64789 21231 90760 76859
65784 76895 35243 80508 15463 87967 10232 54321 65461 94760
65743 25463 97069 20304 16463 45327 16453 86959 16539 51423
= = 133 133 30 30 000

4490 kHz, 25-01, 2000 UTC. Only 29 groups were sent.

197 677 677 30 30 = =
96750 39670 12345 65432 23154 86457 16547 90289 75465 19507
36578 23451 90807 56375 13524 75642 75943 46573 39569 40503
63472 54563 27950 37956 16352 70605 63274 56241 85746
= = 677 677 30 30 000

5810 kHz, 27-01, 1500 UTC

197 312 312 30 30 = =
75648 09187 13241 50994 44893 40932 88298 11265 35278 09176
75903 30918 40917 33017 29847 40917 20918 09187 16534 58474
64537 17625 11761 26715 33901 44890 10376 30187 15624 01761
= = 312 312 30 30 000

5465 kHz, 28-01, 0700 UTC

197 759 759 30 30 = =
76890 49038 47657 10876 33871 58904 22909 38017 11032 30917
85679 44401 45637 59830 10947 30917 67589 20918 60948 40938
48365 13241 11987 90947 39921 40372 93123 45378 23109 43901
= = 759 759 30 30 000

5320 kHz, 30-01, 1800 UTC

197 476 476 30 30 = =
30184 71194 71194 12537 10038 17390 83745 18374 00183 81993
66298 33744 10833 10933 66113 36620 73308 77366 19470 77193
82037 62851 63894 71993 62783 56178 36625 33890 00173 71000
= = 476 476 30 30 000

4490 kHz, 30-01, 2000 UTC. Different repeat in red

197 836 836 30 30 = =
74824 38274 00384 11736 11193 82944 72993 64482 43300 18336
83004 82663 **82664** 71932 66300 18836 20038 99166 39824 77146 98136
39946 99174 82261 11903 33881 39073 11643 38845 38195 33746
= = 836 836 30 30 000

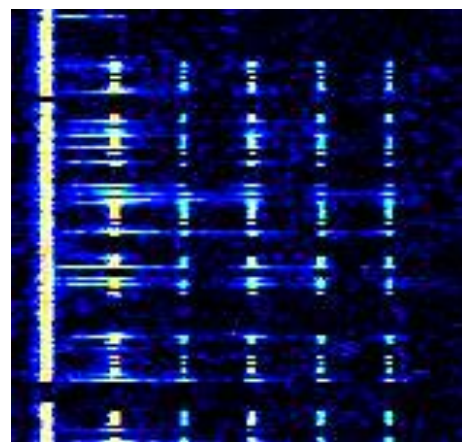
This M01 usually sends in USB but surprised us with an AM transmission on 28 January. It is scheduled on Saturday and Sunday at 0715 but often doesn't show up..

9566 kHz, 07-01, 0715 UTC, USB. (I hadn't heard this one for quite a while)

475 209 50 = =
78684 66212 32775 71339 42489 87694 55574 58535 11517 04647
88061 52769 21165 91218 03637 81972 97950 24608 61954 88637
51528 81289 51778 93075 67745 44458 03374 45976 14664 43585
81337 92204 06857 21644 55743 36623 65794 78598 94679 32267
17950 81368 53468 34989 36381 93828 94773 07281 18066 53123
= = 000

9566 kHz, 14-01, 0715 UTC, USB

475 200 200 50 50 = =
73204 13042 34041 78357 10881 64677 52900 80685 88467 11463
10269 68410 76864 38599 78421 57681 14577 80675 64684 58075
15971 60749 81903 13823 49224 66233 37886 10485 95259 68043
45877 68064 71043 90323 26415 16246 25120 22948 44537 37120
24025 02650 43707 73470 57134 58955 55176 68818 58247 31447
200 200 = = 000



9566 kHz, 27-01, 0715 UTC, USB / 9566 kHz, 28-01, 0715 UTC, AM

475 167 167 50 50 = =
25971 60749 81903 13823 49224 66233 37886 10485 95259 68033
45877 60964 71323 90213 26415 16246 25120 22948 44537 37120
24025 02650 43707 73470 57134 58956 55176 68818 58247 31447
36141 31372 87590 61977 82642 54513 86872 11256 75560 13738
36349 36890 25609 51661 37482 11702 85720 58391 93817 25889
= = 167 167 50 50 000

5685 kHz, 07-01, 1515 UTC, MCW, i.p. too poor to copy

5685 kHz, 18-01, 1519 UTC, MCW, i.p.

45041 98951 89831 67831 67712
67713 11345 88055 53535 89321 45221 22893 32254 32887 89120
= = 144 50 000

M01a

9129 kHz, 03-01, 0532 UTC. The transmission ended at 0552z

498 498 498 53172 53172 (x20)
498 498 498 52482 52482 (x8)
498 498 498 51166 51166 (x13)
498 498 498 53067 53067 (x12)

M12

16357/17457/18357 kHz, 0800/0820/0840 UTC

16357/17457/18357 kHz, 03-01/06-01/10-01/14-01, 0800/0820/0840 UTC

343 343 343 1 100 163 100 163
20449 80495 05505 33473 66602 81018 82485 33810 25014 96513
77759 13759 46164 32166 96100 37396 05661 20458 96773 05654
50422 73574 50475 51286 08646 65638 39413 01830 91424 31840
72265 58274 71821 46387 14924 01582 73039 56062 01008 43093
00273 71698 73744 81304 81895 48099 30414 31513 06984 88976
48830 58634 77357 99172 61765 41129 22949 81593 27862 32125
87997 38984 12101 32133 35445 46066 12997 61540 16632 45441
54260 80967 23591 35909 27951 49951 06503 23051 90557 69321
69939 87533 55202 49605 19050 12374 53324 89054 11561 74955
06097 77721 48910 64799 11935 17805 85605 58681 05298 99604
69950 96883 92380 73545 49523 68323 10306 13391 76992 13973
74688 44071 62803 61780 55492 53671 09370 07429 10486 37773
40023 99387 43852 87055 29882 21540 74272 01429 45111 73180
03254 28302 76196 21397 73227 45307 92098 70298 65274 45970
15487 59750 24787 52314 29426 18253 98359 08566 80625 01100
42508 91221 59461 75772 55984 17833 69758 56739 14264 87999
40553 82102 81864 000 000

16357/17457/18357 kHz, 24-01/28-01, 0800/0820/0840 UTC

343 343 343 1 4516 94 4516 94
33357 51939 06818 74183 29559 35037 46088 09103 44897 37699
92759 90102 87651 14103 89558 25203 50308 77699 29990 21346
27390 30052 98292 44541 93873 48971 26672 58799 12020 11195
24895 75401 84621 11306 99164 30812 52087 36285 78436 57768
05319 24004 89832 06100 23515 71361 52559 96142 10055 22371
96814 89557 56912 12478 35548 19070 29391 76143 04680 16816
18936 23630 55096 29530 68386 84300 60634 36066 56543 73463
97618 64788 50238 85000 29048 89178 66735 64294 38972 76872
99202 82710 14167 29788 61869 83693 52220 73187 21188 23737
25814 23836 94323 79674 000 000

6782/5882/5182 kHz, 2000/2020/2040 UTC

6782/5882/5182 kHz, 03-01/05-01/10-01, 2000/2020/2040 UTC

781 781 781 1 8388 157 8388 157
12272 55458 76407 22192 08599 55406 36787 19794 92665 84903
86107 95966 24831 52250 86691 23796 64653 12679 31198 77146
09575 87635 19556 28424 29745 79775 97228 19093 43059 13703
04752 94810 90862 79833 62838 34997 02751 24775 56370 58235
12650 41012 27673 38091 83447 37306 64046 14074 59403 81417
39650 42164 72869 46603 93052 08513 08110 25515 75375 57812
12161 81477 76460 73704 39530 66655 98112 05900 41677 69863
27978 23857 72035 32081 82860 29609 93288 23612 12546 68971
13806 07967 56960 59466 89342 57746 72094 01904 24677 60036
49713 96479 61995 25238 23698 58147 69654 50831 93785 25448
18296 17527 50993 13212 22187 72365 78842 40697 07892 31390
76876 22815 37312 50498 96984 27433 41080 40495 50134 95415
13287 04360 80408 07588 66572 44409 37580 50716 10843 56297
13931 99580 25077 70856 80315 66836 55006 73646 92619 90628
17912 02645 32598 12023 65415 52777 09679 48937 49715 96775
46638 96894 27679 78486 41011 42904 72126 000 000

6782/5882/5182 kHz, 24-01/26-01, 2000/2020/2040 UTC

781 781 781 1 6128 100 6128 100
37499 72972 51876 59861 93663 34309 42828 26975 07947 83115
20771 19815 17767 01542 84969 00087 35915 03810 45796 33872
90105 45858 00942 94903 45342 98302 61056 33425 19859 81771
47612 56890 56018 78039 60965 16556 28501 55686 31000 47810
72448 19318 54318 95509 73635 82133 52732 55529 11376 66739
46770 32297 85368 51080 52485 38678 15486 46734 83646 26902
95889 16896 71925 90779 27657 18438 40726 68903 56927 46479
60948 87655 23744 99884 92855 24016 30470 50405 48448 24157
17947 37196 10922 97504 41874 60065 32388 43091 24776 89822
09903 30102 57632 16280 65116 22235 86868 89836 43985 90050
000 000

17418/16318/14918 kHz, 1400/1420/1440 UTC

17418/16318/14918 kHz, 08-01/11-01, 1400/1420/1440 UTC

439 439 439 1 185 87 185 87
40598 77850 67006 64788 68047 39349 04765 90441 32381 40012
27915 62986 51722 50312 44839 14590 84057 94295 81122 73449
73377 07664 55098 68853 82774 63284 41108 52015 03452 48259
79411 54248 60317 09446 97900 75892 17852 33830 90141 28572
41844 41435 21045 73775 39232 60402 11720 19883 47989 20438
25921 36197 92453 53464 09008 98066 70038 51961 53441 53666
69410 34136 39151 47523 12522 74633 76364 52744 13204 20458
85399 55725 30443 67811 80318 57309 48809 26105 45908 43636
66590 39757 78984 55181 37097 91013 27372 000 000

17418/16318/14918 kHz, 15-01/18-01, 1400/1420/1440 UTC

439 439 439 1 504 74 504 74
42670 45360 87225 69317 51775 77194 92973 36930 19500 68986
82521 27237 33533 10900 35762 36169 54300 00504 00336 71490
18541 23870 69659 34784 13007 97742 68164 11189 08557 19105
81603 37609 85250 54925 81221 28478 22220 05795 62475 91075
75758 09587 40062 95757 31808 38599 16279 20539 03733 89491
00639 09157 43553 99560 26764 67283 72493 61756 05903 12541
45420 75064 32449 59516 82769 32421 17557 70858 38813 36887
65155 52619 28503 18638 000 000

17418/16318/14918 kHz, 29-01, 1400/1420/1440 UTC

439 439 439 1 564 93 564 93
13949 13561 85504 40363 90863 14512 40610 88181 18745 71793
44004 03017 64887 00115 86002 91634 02049 47419 02272 08208
74304 46312 72409 17884 18310 57904 45602 05916 64219 34301
39303 55464 55401 78850 85549 54105 94890 99113 85271 70541
00926 16479 55324 56540 34647 70687 08629 18262 66000 69445
73823 20666 52762 63119 32256 28161 66853 26152 79243 42890
50528 93564 98468 24506 47816 33285 09050 14475 73124 95828
21990 83456 14884 90830 72957 79454 19941 00749 00392 40184
28969 58238 12675 77516 06319 14549 54501 55507 23917 14573
20298 49036 20281 000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC

11435/10598/9327 kHz, 20-01, 1800/1820/1840 UTC

938 938 938 1 4784 70 4784 70
70179 77171 20410 67112 41065 50478 50733 57171 76634 94566
33675 60423 62386 23175 96495 85725 15815 13087 42835 53862
63817 69627 13272 14224 93200 68040 46008 76639 26705 10013
01512 30711 88123 42294 47832 35248 57919 21974 79511 34561
88169 32299 88325 08020 33447 51618 80539 66215 98976 85250
43258 53694 15000 72928 46971 43688 98113 57054 29373 37978
66976 84543 17804 34975 02486 42137 64991 38444 02513 50330
000 000

11435/10598/9327 kHz, 27-01, 1800/1820/1840 UTC

938 938 938 1 3447 79 3447 79
56099 88802 65130 38441 07960 92214 45458 22232 49054 93208
02478 87480 55757 00657 05027 06411 60224 21669 48437 82574
86728 41207 13273 43414 93052 11749 81672 93949 08697 16692
47325 46196 34809 06444 04023 07070 55714 07328 21976 60597
51141 06194 75481 86669 22261 94367 01195 43303 36480 66067
04904 28522 53424 64437 43535 68455 24686 51053 58078 92234
21793 78558 34970 17658 44991 62756 45012 06758 76579 08276
25659 72776 40084 83849 49161 88201 70083 88514 79984 0000 000

5778/6778/8178 kHz, 2200/22225/2251 UTC

5778/6778/8178 kHz, 20-01/26-01/27-01, 2200/22225/2251 UTC

771 771 771 1 1814 287 1814 287
12472 16917 85140 05840 72610 78802 24429 69547 41640 37860
70053 89668 73999 95448 06446 49785 73694 57085 69689 32684
56394 18103 03383 80490 71470 15306 22164 05473 81453 52617
34293 85990 09528 87316 34211 57936 23113 27406 76542 64669
71044 66857 49705 16949 65859 14693 35209 37959 72551 51267
84364 72611 05571 10582 20303 73113 69410 51050 15635 83502
44148 16767 48302 00311 38482 55520 56940 39451 80302 64918
06165 00870 45639 45565 38709 13533 97042 31705 34660 98964
48132 22165 04253 13803 44810 64407 15974 18753 27014 62642
87765 70782 68142 69853 73094 92160 92973 67675 98171 23155
79291 09905 20019 58249 53437 23578 79435 50956 25134 95098
96312 86672 61045 33933 69590 07228 13927 07640 70450 56361
75994 95986 88295 58728 05512 04588 68278 41854 13671 51242
14099 57729 69638 28997 25464 62369 16713 74884 63398 37932
70123 66740 99776 91908 94391 24770 46375 09276 14148 63407
73681 32244 78193 22641 74228 65052 79391 74546 37433 83367
44351 73518 60032 37663 79366 02976 02049 00392 46122 62129
65074 69160 15656 44926 29009 04177 05902 21773 36896 95747
82395 61908 00402 19753 42185 78353 53043 66780 36862 65855
20787 15602 92319 27228 20683 24161 00663 49733 65588 13053
57882 10217 23411 62667 11561 49530 22767 23571 65335 09660
93989 69245 83260 28414 34910 03145 54799 79936 50299 34913

43580 83365 76590 88873 35932 65907 85069 25907 01274 89941
92034 77321 54628 37088 56778 35692 35344 18777 81119 51804
07785 92309 49804 47255 51199 95080 78723 51258 65369 24608
24992 15483 32764 14288 87460 59248 78898 81269 17863 45451
34319 84483 74536 72672 49729 33331 64387 86113 34065 64564
90797 58758 48305 07289 25296 73963 03322 09026 87520 99991
92585 10817 58171 91692 32164 54395 61279 000 000

11161/10461/9261 kHz, 2310/2330/2350 UTC

11161/10461/9261 kHz, 28-01, 2310/2330/2350 UTC

142 142 142 1 332 89 662 89
92821 23595 75965 16062 46113 19970 28825 74509 72013 19086
98007 55404 24542 78409 02680 48018 58157 75512 50805 44676
20370 79704 03438 38859 46517 83168 06167 91886 71726 61926
02048 43200 98337 35686 92982 69564 72039 86797 97093 33833
53938 13446 93282 23290 38261 62156 58110 90599 68806 92403
19943 01106 46481 50824 58068 40072 90350 56421 71854 96236
82398 68027 90937 71598 48074 72166 028?3 36276 10991 29445
06572 84072 76962 87775 45863 25270 27967 96151 24903 94034
97756 45803 10637 84163 43808 16784 73117 65131 68018 000 000

10461 kHz, 03-01, 2330 UTC

142 142 142 1 9431 198 9431 198
79378 02702 35601 06924 50988 03872 56938 71611 53889 71390
40304 25407 34887 01077 92357 95045 29193 99097 20795 01160
90182 26298 22468 72156 16723 39908 42313 34945 43293 69000
97922 66680 15812 60647 67570 28171 65717 69991 27712 68487
27935 23854 78653 00556 50762 86624 99433 32984 49881 68581
67262 62612 80713 32741 72322 95039 84904 63592 01518 48246
95416 65961 50350 69927 01677 19754 01974 33967 93781 62040
53839 67797 25912 35589 17778 34968 46248 97833 04963 09117
42126 42796 23365 98046 63800 98858 67527 35303 43839 57202
49184 92087 36659 25394 27458 13184 21090 60945 72305 66603
18526 91472 38130 39470 36826 68311 45589 16700 70191 72379
51439 85916 34418 51549 53227 25918 63779 87419 67716 20516
22938 08958 92865 34287 98744 46294 52266 38641 70432 21192
84482 02911 24464 97827 13387 05591 05848 64788 33523 64183
12638 67149 31456 26586 92947 75920 35684 79436 54747 78857
75528 92919 47236 69261 71996 60759 40985 54750 02332 42696
08000 37015 16360 90618 23399 43479 54632 55991 73126 10585
52947 19296 52760 85936 97063 87936 40071 69831 24336 36872
11793 29400 58266 47769 87009 68688 66981 63072 99281 76579
02054 74426 38996 94326 14182 11876 65699 39637 000 000

M14

No transmissions on 1, 2, 3, 4, 5 and 8 January.

12211/10243 kHz, 09-01, 0500/0520 UTC

952 843 843 61 61 = =
89689 10915 30465 63621 72848 93378 78761 98175 76904 99657
88105 74377 04053 59747 78563 18023 85594 16753 73646 61582
33470 53301 76109 41950 22748 72732 17675 67817 22257 21023
12377 05121 15552 60359 68191 53983 79400 30315 36675 15606
11973 57561 05258 72536 27933 00049 61917 30749 62599 36605
86895 96986 52391 37872 51148 89784 83719 79532 26235 07636
27529
= = 843 843 61 61 00000

12211/10243 kHz, 10-01, 0500/0520 UTC

952 671 671 52 52 = =
58731 88683 95292 33590 81445 78079 50596 97729 70212 12164
21774 04959 00885 27108 49235 30073 86082 54248 05838 93280
81507 20421 42307 06094 09158 32737 55029 29043 39622 58875
30899 14632 00638 38576 48893 33999 04118 87524 43083 10697
08810 79420 56752 10039 60797 17214 42316 57457 79014 29433
86730 84297
= = 671 671 52 52 00000

12211 kHz, 12-01, 0508 UTC. Late start. Carrier followed by inverted morse
10243 kHz, 12-01, 0520 UTC. 952 on/off, Transmitter problems, sometimes a very weak signal

12211/10243 kHz, 15-01, 0500/0520 UTC

952 604 604 53 53 = =
65744 28939 18396 12619 40995 07106 73380 81236 17303 78460
97887 35699 15563 31049 24994 80625 30043 67051 94777 37283
46448 86835 43327 32372 04605 96150 07468 65428 54217 78654
56154 09526 77130 00965 84461 24963 74527 42411 31100 90634
42510 66685 05422 82755 84497 77571 34817 55644 33872 25946
68474 04241 85324
= = 604 604 53 53 00000

12211/10243 kHz, 16-01, 0500/0520 UTC

952 837 837 51 51 = =
21619 96342 29737 11815 03921 28932 80793 21244 89671 90058
45072 19734 87042 98676 82835 11116 02759 01289 65927 26254
24425 77285 73218 44062 44339 51813 23667 00507 23261 08331
07896 90283 17553 18082 04254 90857 18140 28630 90287 63561
74718 78676 85550 11422 03667 31329 86711 98415 03072 43018
80874
= = 837 837 51 51 00000

12211/10243 kHz, 17-01, 0500/0520 UTC

952 416 416 55 55 = =
31642 96717 59769 87062 26972 85178 01656 97023 92604 58391
22563 23744 76877 31854 44013 69930 43797 52910 14313 10097
05838 58524 66210 22606 02945 64022 29340 95653 51161 99976
83394 36849 09315 39420 62947 41110 37223 82582 49882 96538
43827 91330 14351 32974 48709 90506 90208 42909 05429 78346
95856 29462 60105 13169 36435
= = 416 416 55 55 00000

12211/10243 kHz, 18-01, 0500/0520 UTC

952 307 307 68 68 = =
17744 42744 63328 76092 73942 82287 89219 23694 88890 72870
77102 16755 16470 92373 33735 50863 18593 45162 29936 00106
40661 08121 74525 05532 47666 79919 04384 44195 63128 44435
45309 52189 78044 84265 23364 00135 22052 05293 31397 44537
13984 58201 80429 03467 34008 67919 90591 29987 84530 06907
01294 81780 32061 73217 05334 10399 47224 59300 36603 18580
85095 22447 66106 59072 73064 92842 85959 73399
= = 307 307 68 68 00000

12211/10243 kHz, 19-01, 0500/0520 UTC

952 184 184 65 65 = =
39224 22584 16731 24349 22468 16252 41370 74246 31533 89840
02492 05013 07544 62718 40657 13085 75818 52172 70804 90606
59365 59639 07120 18543 88173 35930 82928 34883 84003 23900
57793 38885 25342 01996 29009 17287 22229 77125 89675 03435
55626 00271 00543 05255 61035 03302 67811 63007 61029 80415
44083 22773 76408 62641 94631 36587 70653 58848 96200 25182
07358 61700 60536 64258 25352
= = 184 184 65 65 00000

12211/10243 kHz, 22-01, 0500/0520 UTC

952 670 670 51 51 = =
39224 22584 16731 24349 22468 16252 41370 74246 31533 89840
02492 05013 07544 62718 40657 13085 75818 52172 70804 90606
59365 59639 07120 18543 88173 35930 82928 34883 84003 23900
57793 38885 25342 01996 29009 17287 22229 77125 89675 03435
55626 00271 00543 05255 61035 03302 67811 63007 61029 80415
44083
= = 670 670 51 51 00000

12211 kHz, 23-01, 0500 UTC

10243 kHz, 23-01, 0520 UTC. 952 (R 4m) Off

952 831 831 64 64 = =
47781 93848 08528 26035 71052 93244 63192 00165 07755 17079
34269 66557 52087 87204 60308 39327 56426 49554 66254 94632
33780 05185 12439 84400 70114 90636 90154 82943 01207 01227
81066 31001 02434 33857 14545 22186 38163 15728 61001 44971
29522 84190 84226 78450 47637 48183 70387 35848 45615 83166
21473 25521 32309 43743 37124 53860 55571 23632 33284 12273
05902 17705 71096 15430 76461
= = 831 831 64 64 00000

12211 kHz, 24-01, 0500 UTC. No closing nulls

10243 kHz, 24-01, 0520 UTC. Technical problems at the end of the transmission

12211 kHz, 25-01, 0500 UTC. Briefly MCW then normal CW

10243 kHz, 25-01, 0520 UTC

952 467 467 63 63 = =
73035 11336 64332 84300 05602 67119 13383 06081 41413 27118
75024 07186 34760 49677 50427 14706 12305 74130 41411 38500
02123 09785 14112 82273 62852 25389 65090 67863 73872 43786
13317 88919 72452 71419 66470 36169 48116 17396 35002 61444
35053 81783 92376 73673 48812 17839 04954 77016 77719 97857
77927 14327 15455 37259 04675 48140 85429 56814 76644 06364
12997 87355 45125
= = 467 467 63 63 00000

12211/10243 kHz, 26-01, 0500/0520 UTC

952 164 164 52 52 = =
83125 86466 36912 98501 81511 38081 84731 42860 12315 50737
09075 09254 64448 96121 79000 71078 20393 39148 56656 01936
37488 88073 67094 18475 30887 53508 09597 30751 94104 93919
08938 92294 18108 55812 30024 67071 94869 34768 04356 55527
16339 14141 41740 46900 04755 60384 25690 89990 35254 79809
15964 99577
= = 164 164 52 52 00000

12211/10243 kHz, 29-01, 0500/0520 UTC

952 783 783 51 51 = =
50754 56112 25754 36171 64163 33024 93510 60391 59621 17926
35280 51533 06787 10944 85845 29289 08013 18259 23157 93638
89336 75782 30456 54229 41163 21368 01086 73149 25860 01491
15649 69509 94422 23348 46231 59277 79411 88293 67355 28815
56348 67568 78363 65528 90758 06247 66910 94094 13038 66347
68261
= = 783 783 51 51 00000

12211/10243 kHz, 30-01, 0500/0520 UTC

952 104 104 63 63 = =
76884 11442 79986 66261 64253 56558 01127 20741 35506 82003
48760 33518 35252 73978 44701 42652 73674 57893 63421 32686
09412 81504 91543 50859 24332 57544 84687 10122 32388 76746
76385 52415 89742 27227 18716 70636 98352 81148 59379 12731
20196 34605 84877 16361 44330 11670 84497 47564 73971 68539

14782 41865 25783 58712 69179 71261 58550 45142 82549 85522
73449 7030 25231
104 104 63 63 000

12211/10243 kHz, 31-01, 0500/0520 UTC

952 763 763 58 58 = =
63855 56104 96505 60707 49859 47101 69561 82267 68662 44067
08873 49967 56511 98318 96487 76358 62760 65618 21127 54629
76285 76968 75932 41100 06679 98343 25848 85847 06166 74026
93058 53679 43183 43245 33938 02611 63553 88803 05937 12063
00199 29383 47852 77949 17320 84212 21910 16839 99994 64780
91100 46402 25114 73296 30213 34298 74611 12568
= = 763 763 58 58 00000

Test transmissions

11073/9371 kHz, 06-01, 1217/1245 UTC

352 769 769 31 31 = =
16909 60414 01136 38727 11563 99973 87340 96435 56876 27092
09165 54233 76630 16696 96409 11872 98364 25407 01783 55917
45024 93509 29509 96536 87636 52097 89819 33679 44966 65083
27748
= = 769 769 31 31 00000

11073 kHz, 13-01, 1245 UTC. Two series of fast beeps

11073/9371 kHz, 13-01, 1250/1320 UTC

352 418 418 32 32 = =
95660 58717 88661 72865 97072 12987 86592 48059 63918 17510
40274 69754 28582 70513 97363 33834 33450 73745 90700 99978
29340 18382 36591 26839 70126 51892 37875 31137 26989 43042
77724 00379
= = 418 418 32 32 00000

11073 kHz, 20-01, 1253 UTC. Two series of fast beeps

11073 kHz, 20-01, 1255 UTC

9371 kHz, 20-01, 1321 UTC. Two series of fast beeps

9371 kHz, 20-01, 1325 UTC

352 679 679 33 33 = =
12639 45747 71084 54200 64157 71979 57080 16445 27254 99466
17714 51533 41866 66345 10934 60499 44691 88689 55077 99853
17371 45200 71054 86236 78530 81122 20724 82031 80595 36104
64888 79127 97338
= = 679 679 33 33 00000

10755 kHz, 28-01, 1637 UTC. Slow beeps

10755 kHz, 28-01, 1642 UTC. Two series of fast beeps

10755 kHz, 28-01, 1645 UTC

975 824 824 60 60 = =
62178 73697 99804 81138 07910 97971 32760 71295 23001 81987
30687 25459 92939 09599 69963 86043 07405 92268 98211 17697
97325 98090 98157 20356 68904 65672 75811 63884 45557 57576
46395 11479 53697 32990 16467 24030 13304 44327 85674 62657
19217 87444 16572 31491 24090 60152 45940 28093 58939 08718
36053 93494 52230 67045 89316 79159 33435 18219 74732 73035
= = 824 824 60 60 00000

11073 kHz, 28-01, 1759 UTC. Two series of fast beeps

11073 kHz, 28-01, 1810 UTC

352 (R3m25s) 35 [3s silence]
2 352 (R15s) [3s silence]
352 (R55s) 479 479 60 60 = =
01600 ... 24937 97 [8s silence]
352 (R2m18s)

38234... 14962 [44s silence]
3 [6s silence]
352 (R1m)
45229 ... 13076 [1s silence]
91528 58423 [28s silence]
352 (R35s)
14962 ... 18653 0841 [6s silence]
352 (R2m30s)
15318 ... 56044
= = 479 479 60 60 00000

9463 kHz, 30-01, 1210 UTC, i.p.

801 (R)
31673 65682 52720 87830 62809 58987 92026 71599 34543 65611
82410 97251 68482 48750 90615 27289 96052 35137 73325 35242
= = 240 247 59 59 00000

10755 kHz, 30-01, 1255 UTC. Two series of fast beeps

10755 kHz, 30-01, 1305 UTC

975 (R3m27s) 9 [17s silence]
75 975 (R1m12s) 318 318 60 60 = =
47825 30269 57242 80631 39046 57732 [34s silence]
975 (R1m)
80631 39046 57732 05540 48042 60699 63889 00292 1418 [12s silence]
975 (R1m23s) 9 [2s silence]
975 (R1m30s)
39046 57732 05540 48042 60699 63889 00292 14185 16134 78645
31818 09645 28181 40642 90753 49778 59530 67900 65038 38414
25010 87946 34268 58377 37937 38340 16105 22264 [36s silence]
75 975 (R55s)
37937 38340 16105 22264 57746 73556 44414 81904 31073 39144
83840 19963 43477 99118 10486 72098 24008 27505 13391 53129
69779 99980 96510 85639 82754 46558 85866 54469 35930 51238
71538 35511
= = 318 [55s silence]
975 (R1m)
87946 34268 58377 37937 38340 16105 22264 57746 73556 44414
81904 31073 39144 83840 19963 43477 99118 10486 72098 24008
27505 13391 53129 69779 99980 96510 85639 82754 46558 85866
54469 35930 51238 71538 35511
= = 318 318 60 60 00000

Full message:

975 318 318 60 60 = =
47825 30269 57242 80631 39046 57732 05540 48042 60699 63889
00292 14185 16134 78645 31818 09645 28181 40642 90753 49778
59530 67900 65038 38414 25010 87946 34268 58377 37937 38340
16105 22264 57746 73556 44414 81904 31073 39144 83840 19963
43477 99118 10486 72098 24008 27505 13391 53129 69779 99980
96510 85639 82754 46558 85866 54469 35930 51238 71538 35511
= = 318 318 60 60 00000

11073 kHz, 31-01, 1705 UTC

352 (R) 981 981 60 60 = =
51695 90354 85909 37970 09777 51634 26634 13142 42885 00995
80314 58494 13224 34679 29309 off
352 (R)
13224 34679 29309 55756 62115 27741 66051 38711 83560 20565
19387 57634 70150 67196 89994 43134 86036 18933 62070 29744
46635 41603 83475 25399 09759 89969 31525 09133 07864 87710
06613 67942 76091 86393 20847 08736 55807 01896 73903 06332
78305 51704 33267 73423 58384 41527 61056 63447
= = 981 981 60 60 00000

Full message:

352 981 981 60 60 = =
51695 90354 85909 37970 09777 51634 26634 13142 42885 00995
80314 58494 13224 34679 29309 55756 62115 27741 66051 38711
83560 20565 19387 57634 70150 67196 89994 43134 86036 18933
62070 29744 46635 41603 83475 25399 09759 89969 31525 09133
07864 87710 06613 67942 76091 86393 20847 08736 55807 01896
73903 06332 78305 51704 33267 73423 58384 41527 61056 63447
= = 981 981 60 60 00000



Bug finder at the Secret Communications exhibition 2019 (© Ary Boender)

UM04 - PROMRCh

4735 kHz, 01-01, 0800 UTC

VVVVV PROMRCh = 0101 =
1000 0980 1030 1220 1750
1200 1060 1120 1300 1860
1400 1010 1100 1220 1730
1600 0960 1010 1190 1700
1800 0580 0610 0700 0990
2000 0410 0430 0500 0710
2200 0350 0360 0410 0560
0000 0390 0390 0430 0580
02E0 0890 0400 0450 0600
0400 0380 0420 0480 0640
0600 0380 0400 0450 0630
0800 0620 0660 0800 1180
= ABV

VVVVV PROMRCh = 0101 =
1000 0980 1030 1220 1750
1200 1060 1120 1300 1860
1400 1010 1100 1220 1730
1600 0960 1010 1190 1700
1800 0580 0610 0700 0990
2000 0410 0430 0500 0710
2200 0350 0360 0410 0560
0000 0390 0390 0430 0580
02E0 0890 0400 0450 0600
0400 0380 0420 0480 0640
0600 0380 0400 0450 0630
0800 0620 0660 0800 1180
= AR

4735 kHz, 05-01, 0800 UTC

VVVVV PROMRCh = 05 01 =
1000 0910 0970 1160 1700
1200 1000 1060 1250 1810
1400 0960 1010 1180 1680
1600 0930 0980 1160 1680
1800 0580 0610 0710 1000
2000 0400 0420 0490 0700
2200 0350 0360 0410 0560
0000 0370 0380 0430 0570
0200 0390 0400 0450 0600
0400 0410 0420 0470 0640
0600 0380 0400 0450 0630
0800 0610 0650 0780 1160
= ABV

VVVVV PROMRCh = 05 01 =
1000 0910 0970 1160 1700
1200 1000 1060 1250 1810
1400 0960 1010 1180 1680
1600 0930 0980 1160 1680
1800 0580 0610 0710 1000
2000 0400 0420 0490 0700
2200 0350 0360 0410 0560
0000 0370 0380 0430 0570
0200 0390 0400 0450 0600
0400 0410 0420 0470 0640
0600 0380 0400 0450 0630
0800 0610 0650 0780 1160
= AR

4735 kHz, 02-02, 0801 UTC

VVV VVV PROMRCh = 02 01 =
1000 0950 1000 1190 1720
1200 1040 1090 1280 1840
1400 0990 1040 1200 1710
1600 0940 1000 1170 1690
1800 0570 0600 0700 0980
2000 0400 0420 0490 0700
2200 0350 0360 0400 0550
0000 0370 0380 0430 0570
0200 0390 0400 0450 0600
0400 0410 0420 0470 0640
0600 0380 0400 0450 0630
0800 0620 0660 0800 1180
= ABV

VVV VVV PROMRCh = 02 01 =
1000 0950 1000 1190 1720
1200 1040 1090 1280 1840
1400 0990 1040 1200 1710
1600 0940 1000 1170 1690
1800 0570 0600 0700 0980
2000 0400 0420 0490 0700
2200 0350 0360 0400 0550
0000 0370 0380 0430 0570
0200 0390 0400 0450 0600
0400 0410 0420 0470 0640
0600 0380 0400 0450 0630
0800 0620 0660 0800 1180
= AR

4735 kHz, 06-01, 0800 UTC

VVV VVV PROMRCh = 06 01 =
1000 0940 0990 1170 1710
1200 1020 1080 1260 1830
1400 0980 1020 1190 1700
1600 0950 1000 1170 1690
1800 0590 0620 0710 1010
2000 0410 0420 0500 0700
2200 0360 0370 0410 0560
0000 0370 0380 0430 0580
0200 0400 0410 0460 0600
0400 0410 0430 0480 0640
0600 0380 0400 0460 0630
0800 0610 0650 0780 1160
= ABV

VVV VVV PROMRCh = 06 01 =
1000 0940 0990 1170 1710
1200 1020 1080 1260 1830
1400 0980 1020 1190 1700
1600 0950 1000 1170 1690
1800 0590 0620 0710 1010
2000 0410 0420 0500 0700
2200 0360 0370 0410 0560
0000 0370 0380 0430 0580
0200 0400 0410 0460 0600
0400 0410 0430 0480 0640
0600 0380 0400 0460 0630
0800 0610 0650 0780 1160
= AR

4735 kHz, 03-01, 0800 UTC

VVVVV PROMRCh = 03 01 =
1000 0950 1000 1190 1720
1200 1040 1090 1280 1830
1400 0990 1030 1210 1700
1600 0950 1000 1170 1690
1800 0580 0600 0700 0990
2000 0410 0420 0500 0700
2200 0350 0360 0410 0550
0000 0370 0380 0430 0570
0200 0400 0410 0450 0600
0400 0410 0430 0480 0640
0600 0380 0400 0460 0630
0800 0620 0660 0790 1170
= ABV

VVVVV PROMRCh = 03 01 =
1000 0950 1000 1190 1720
1200 1040 1090 1280 1830
1400 0990 1030 1210 1700
1600 0950 1000 1170 1690
1800 0580 0600 0700 0990
2000 0410 0420 0500 0700
2200 0350 0360 0410 0550
0000 0370 0380 0430 0570
0200 0400 0410 0450 0600
0400 0410 0430 0480 0640
0600 0380 0400 0460 0630
0800 0620 0660 0790 1170
= AR

4735 kHz, 07-01, 0800 UTC

VVV VVV PROMRCh = 07 01 =
1000 0930 0980 1170 1710
1200 1020 1070 1260 1830
1400 0970 1020 1180 1700
1600 0940 0990 1170 1690
1800 0580 0610 0710 1010
2000 0400 0420 0490 0700
2200 0350 0360 0410 0560
0000 0380 0390 0430 0580
0200 0400 0410 0450 0610
0400 0410 0430 0480 0640
0600 0380 0400 0450 0640
0800 0600 0640 0780 1150
= ABV

VVV VVV PROMRCh = 07 01 =
1000 0930 0980 1170 1710
1200 1020 1070 1260 1830
1400 0970 1020 1180 1700
1600 0940 0990 1170 1690
1800 0580 0610 0710 1010
2000 0400 0420 0490 0700
2200 0350 0360 0410 0560
0000 0380 0390 0430 0580
0200 0400 0410 0450 0610
0400 0410 0430 0480 0640
0600 0380 0400 0450 0640
0800 0600 0640 0780 1150
= AR

4735 kHz, 04-01, 0800 UTC

VVVVV PROMRCh = 04 01 =
1000 0940 0990 1170 1710
1200 1030 1080 1270 1820
1400 0980 1030 1200 1690
1600 0940 1000 1170 1690
1800 0580 0610 0710 1000
2000 0400 0420 0500 0070
2200 0350 0360 0410 0550
0000 0370 0370 0430 0580
0200 0400 0410 0450 0600
0400 0410 0430 0480 0640
0600 0380 0400 0460 0630
0800 0610 0650 0790 1170
= ABV =

VVVVV PROMRCh = 04 01 =
1000 0940 0990 1170 1710
1200 1030 1080 1270 1820
1400 0980 1030 1200 1690
1600 0940 1000 1170 1690
1800 0580 0610 0710 1000
2000 0400 0420 0500 0070
2200 0350 0360 0410 0550
0000 0370 0370 0430 0580
0200 0400 0410 0450 0600
0400 0410 0430 0480 0640
0600 0380 0400 0460 0630
0800 0610 0650 0790 1170
= AR

4735 kHz, 08-01, 0800 UTC

VVVVV PROMRCh = 0801 =
1000 0920 0970 1200 1710
1200 1010 1070 1260 1820
1400 0960 1010 1180 1890
1600 0930 0980 1200 1890
1800 0580 0610 0710 1010
2000 0400 0420 0490 0700
2200 0350 0360 0410 0560
0000 0380 0380 0430 0580
0200 0400 0410 0450 0610
0400 0410 0430 0480 0640
0600 0380 0400 0460 0630
0800 0600 0640 0780 1140
= ABV

VVVVV PROMRCh = 0801 =
1000 0920 0970 1200 1710
1200 1010 1070 1260 1820
1400 0960 1010 1180 1890
1600 0930 0980 1200 1890
1800 0580 0610 0710 1010
2000 0400 0420 0490 0700
2200 0350 0360 0410 0560
0000 0380 0380 0430 0580
0200 0400 0410 0450 0610
0400 0410 0430 0480 0640
0600 0380 0400 0460 0630
0800 0600 0640 0780 1140
= AR

**4735 kHz, 09-01, 0811 UTC
Late start**

VVV VVV PROMRCh = 0901 =
1000 0930 0970 1150 1680
1200 1010 1080 1250 1810
1400 0960 1010 1070 1670
1600 0920 0980 1150 1660
1800 0580 0610 1010 1010
2000 0400 0420 0490 0700
2200 0350 0360 0420 0560
0000 0380 0390 0430 0580
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
0600 0380 0400 0460 0640
0800 0600 0540 0770 1140
= ABV =
VVV VVV PROMRCh = 0901 =
1000 0930 0970 1150 1680
1200 1010 1080 1250 1810
1400 0960 1010 1070 1670
1600 0920 0980 1150 1660
1800 0580 0610 1010 1010
2000 0400 0420 0490 0700
2200 0350 0360 0420 0560
0000 0380 0390 0430 0580
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
0600 0380 0400 0460 0640
0800 0600 0540 0770 1140
= AR

**4735 kHz, 10-01, 0800 UTC
Slow morse in the first part.**

The repeat was much faster
VVV VVV PROMRCh = 10 01 =
1000 0910 0970 1150 1670
1200 1010 1070 1250 1810
1400 0950 1000 1160 1660
1600 0920 0970 1140 1660
1800 0590 0610 0720 1010
2000 0400 0420 0490 0700
2200 0360 0370 0420 0560
0000 0380 0390 0430 0580
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
0600 0380 0400 0460 0640
0800 0590 0630 0760 1130
= ABV
VVV VVV PROMRCh = 10 01 =
1000 0910 0970 1150 1670
1200 1010 1070 1250 1810
1400 0950 1000 1160 1660
1600 0920 0970 1140 1660
1800 0590 0610 0720 1010
2000 0400 0420 0490 0700
2200 0360 0370 0420 0560
0000 0380 0390 0430 0580
0200 0400 0410 0460 0610
0400 0410 0430 0480 0640
0600 0380 0400 0460 0640
0800 0590 0630 0760 1130
= AR

4735 kHz, 11-01, 0800 UTC

VVV VVV PROMRCh = 11 01 =
1000 0920 0970 1160 1680
1200 1020 1070 1260 1810
1400 0950 1000 1170 1660
1600 0920 0970 1150 1660
1800 0600 0630 0730 1030
2000 0410 0420 0E00 0700
2200 0360 0370 0420 0570
0000 0380 0390 0440 0580
0200 0400 0410 0460 0610
0400 0420 0430 0480 0650
0600 0390 0400 0460 0640
0800 0590 0630 0760 1130
= ABV
VVV VVV PROMRCh = 11 01 =
1000 0920 0970 1160 1680
1200 1020 1070 1260 1810
1400 0950 1000 1170 1660
1600 0920 0970 1150 1660
1800 0600 0630 0730 1030
2000 0410 0420 0E00 0700
2200 0360 0370 0420 0570
0000 0380 0390 0440 0580
0200 0400 0410 0460 0610
0400 0420 0430 0480 0650
0600 0390 0400 0460 0640
0800 0590 0630 0760 1130
= AR

4735 kHz, 12-01, 0800 UTC

VVVVV PROMRCh = 12 01 =
1000 0920 0980 1160 1690
1200 1020 1070 1260 1820
1400 0960 1010 1170 1670
1600 0930 0980 1150 1660
1800 0610 0640 0740 1050
2000 0410 0410 0500 0710
2200 0360 0370 0430 0570
0000 0380 0090 0440 0590
0200 0400 0410 0460 0620
0400 0420 0430 0490 0650
0600 0390 0410 0460 0640
0800 0590 0630 0760 1130
= ABV
VVVVV PROMRCh = 12 01 =
1000 0920 0980 1160 1690
1200 1020 1070 1260 1820
1400 0960 1010 1170 1670
1600 0930 0980 1150 1660
1800 0610 0640 0740 1050
2000 0410 0410 0500 0710
2200 0360 0370 0430 0570
0000 0380 0090 0440 0590
0200 0400 0410 0460 0620
0400 0420 0430 0490 0650
0600 0390 0410 0460 0640
0800 0590 0630 0760 1130
= AR

4735 kHz, 13-01, 0800 UTC

VVVVV PROMRCh = 13 01 =
1000 0930 0980 1170 1700
1200 1020 1080 1230 1820
1400 0970 1010 1180 1670
1600 0940 0990 1170 1680
1800 0620 0650 0760 1070
2000 0410 0430 0510 0720
2200 0370 0380 0430 0580
0000 0390 0390 0440 0590
0200 0410 0420 0440 0620
0400 0420 0440 0490 0660
0600 0390 0410 0470 0650
0800 0590 0630 0760 1130
= ABV =
VVVVV PROMRCh = 13 01 =
1000 0930 0980 1170 1700
1200 1020 1080 1230 1820
1400 0970 1010 1180 1670
1600 0940 0990 1170 1680
1800 0620 0650 0760 1070
2000 0410 0430 0510 0720
2200 0370 0380 0430 0580
0000 0390 0390 0440 0590
0200 0410 0420 0440 0620
0400 0420 0440 0490 0660
0600 0390 0410 0470 0650
0800 0590 0630 0760 1130
= AR

4735 kHz, 14-01, 0800 UTC

VVVVV PROMRCh = 1401 =
1000 0930 0980 1170 1700
1200 1020 1080 1270 1820
1400 0970 1010 1180 1670
1600 0940 0990 1170 1680
1800 0620 0650 0760 1070
2000 0410 0430 0510 0720
2200 0370 0380 0430 0580
0000 0390 0390 0440 0590
0200 0410 0420 0470 0620
0400 0420 0440 0490 0660
0600 0390 0440 0470 0650
0800 0590 0630 0760 1130
= ABV
VVVVV PROMRCh = 1401 =
1000 0930 0980 1170 1700
1200 1020 1080 1270 1820
1400 0970 1010 1180 1670
1600 0940 0990 1170 1680
1800 0620 0650 0760 1070
2000 0410 0430 0510 0720
2200 0370 0380 0430 0580
0000 0390 0390 0440 0590
0200 0410 0420 0470 0620
0400 0420 0440 0490 0660
0600 0390 0440 0470 0650
0800 0590 0630 0760 1130
= AR

4735 kHz, 15-01, 0800 UTC

VVVVV PROMRCh = 15 01 =
1000 0940 1000 1180 1720
1200 1040 1090 1280 1840
1400 0980 1030 1190 1690
1600 0940 1000 1170 1680
1800 0640 0670 0780 1100
2000 0420 0440 0510 0730
2200 0380 0390 0440 0590
0000 0390 0400 0450 0600
0200 0410 0420 0470 0630
0400 0430 0440 0490 0660
0600 0400 0410 0470 0660
0800 0590 0630 0760 1120
= ABV
VVVVV PROMRCh = 15 01 =
1000 0940 1000 1180 1720
1200 1040 1090 1280 1840
1400 0980 1030 1190 1690
1600 0940 1000 1170 1680
1800 0640 0670 0780 1100
2000 0420 0440 0510 0730
2200 0380 0390 0440 0590
0000 0390 0400 0450 0600
0200 0410 0420 0470 0630
0400 0430 0440 0490 0660
0600 0400 0410 0470 0660
0800 0590 0630 0760 1120
= AR

4735 kHz, 16-01, 0800 UTC

VVVVV PROMRCh = 16 01 =
1000 0950 1000 1190 1530
1200 1050 1100 1280 1850
1400 0990 1040 1200 1710
1600 0950 1000 1180 1690
1800 0660 0690 0800 1120
2000 0430 0450 0520 0740
2200 0380 0390 0450 0600
0000 0400 0410 0460 0610
0200 0420 0430 0480 0640
0400 0430 0450 0500 0670
0600 0400 0420 0480 0660
0800 0590 0630 0760 1120
= ABV =
VVVVV PROMRCh = 16 01 =
1000 0950 1000 1190 1530
1200 1050 1100 1280 1850
1400 0990 1040 1200 1710
1600 0950 1000 1180 1690
1800 0660 0690 0800 1120
2000 0430 0450 0520 0740
2200 0380 0390 0450 0600
0000 0400 0410 0460 0610
0200 0420 0430 0480 0640
0400 0430 0450 0500 0670
0600 0400 0420 0480 0660
0800 0590 0630 0760 1120
= AR

4735 kHz, 17-01, 0800 UTC

VVVVV PROMRCh = 17 01 =
 1000 0960 1010 1200 1740
 1200 1050 1110 1290 1860
 1400 1000 1050 1220 1720
 1600 0960 1010 1190 1700
 1800 0670 0710 0810 1150
 2000 0430 0450 0530 0750
 2200 0390 0400 0450 0600
 0000 0400 0410 0460 0610
 0200 0430 0440 0490 0650
 0400 0440 0450 0500 0670
 0600 0400 0420 0480 0670
 0800 0590 0630 0760 1120
 = ABV

VVVVV PROMRCh = 17 01 =
 1000 0960 1010 1200 1740
 1200 1050 1110 1290 1860
 1400 1000 1050 1220 1720
 1600 0960 1010 1190 1700
 1800 0670 0710 0810 1150
 2000 0430 0450 0530 0750
 2200 0390 0400 0450 0600
 0000 0400 0410 0460 0610
 0200 0430 0440 0490 0650
 0400 0440 0450 0500 0670
 0600 0400 0420 0480 0670
 0800 0590 0630 0760 1120
 = AR

4735 kHz, 21-01, 0801 UTC

VVVVV PROMRCh = 2101 =
 1000 1010 1060 1250 1810
 1200 1100 1150 1340 1910
 1400 1050 1100 1270 1790
 1600 1010 1100 1230 1760
 1800 0740 0770 0890 1240
 2000 0450 0470 0550 0770
 2200 0390 0400 0460 0620
 0000 0410 0420 0470 0620
 0200 0430 0440 0500 0660
 0400 0440 0460 0510 0680
 0600 0410 0430 0490 0680
 0800 0600 0640 0770 1130
 = ABV

VVVVV PROMRCh = 2101 =
 1000 1010 1060 1250 1810
 1200 1100 1150 1340 1910
 1400 1050 1100 1270 1790
 1600 1010 1100 1230 1760
 1800 0740 0770 0890 1240
 2000 0450 0470 0550 0770
 2200 0390 0400 0460 0620
 0000 0410 0420 0470 0620
 0200 0430 0440 0500 0660
 0400 0440 0460 0510 0680
 0600 0410 0430 0490 0680
 0800 0600 0640 0770 1130
 = AR

4735 kHz, 18-01, 0800 UTC

VVV VVV PROMRCh = 18 01 =
 1000 0970 1030 1210 1760
 1200 1010 1110 1300 1870
 1400 1020 1070 1230 1740
 1600 0970 1020 1200 1720
 1800 0690 0720 0830 1170
 2000 0440 0460 0530 0750
 2200 0390 0400 0450 0610
 0000 0400 0410 0460 0610
 0200 0430 0440 0490 0650
 0400 0440 0450 0500 0670
 0600 0400 0420 0480 0600
 0800 0590 0630 0760 1120
 = ABV

VVV VVV PROMRCh = 18 01 =
 1000 0970 1030 1210 1760
 1200 1010 1110 1300 1870
 1400 1020 1070 1230 1740
 1600 0970 1020 1200 1720
 1800 0690 0720 0830 1170
 2000 0440 0460 0530 0750
 2200 0390 0400 0450 0610
 0000 0400 0410 0460 0610
 0200 0430 0440 0490 0650
 0400 0440 0450 0500 0670
 0600 0400 0420 0480 0600
 0800 0590 0630 0760 1120
 = AR

4735 kHz, 22-01, 0759 UTC

VVVVV PROMRCh = 22 01 =
 1000 1020 1080 1270 1830
 1200 1810 1160 1350 1930
 1400 1060 1110 1280 1800
 1600 1020 1070 1240 1770
 1800 0750 0780 0900 1260
 2000 0450 0470 0550 0770
 2200 0390 0400 0460 0620
 0000 0410 0420 0470 0620
 0200 0430 0440 0490 0660
 0400 0440 0460 0510 0670
 0600 0410 0430 0490 0680
 0800 0600 0640 0770 1130
 = ABV

VVVVV PROMRCh = 22 01 =
 1000 1020 1080 1270 1830
 1200 1810 1160 1350 1930
 1400 1060 1110 1280 1800
 1600 1020 1070 1240 1770
 1800 0750 0780 0900 1260
 2000 0450 0470 0550 0770
 2200 0390 0400 0460 0620
 0000 0410 0420 0470 0620
 0200 0430 0440 0490 0660
 0400 0440 0460 0510 0670
 0600 0410 0430 0490 0680
 0800 0600 0640 0770 1130
 = AR

4735 kHz, 19-01, 0800 UTC

VVV VVV PROMRCh = 19 01 =
 1000 0980 1040 1230 1780
 1200 1070 1120 1310 1880
 1400 1030 1080 1240 1750
 1600 0980 1030 1210 1710
 1800 0700 0730 0850 1190
 2000 0440 0460 0540 0760
 2200 0390 0400 0450 0610
 0000 0410 0420 0470 0620
 0200 0430 0440 0490 0650
 0400 0440 0460 0510 0670
 0600 0410 0420 0490 0670
 0800 0590 0630 0760 1120
 = ABV

VVV VVV PROMRCh = 19 01 =
 1000 0980 1040 1230 1780
 1200 1070 1120 1310 1880
 1400 1030 1080 1240 1750
 1600 0980 1030 1210 1710
 1800 0700 0730 0850 1190
 2000 0440 0460 0540 0760
 2200 0390 0400 0450 0610
 0000 0410 0420 0470 0620
 0200 0430 0440 0490 0650
 0400 0440 0460 0510 0670
 0600 0410 0420 0490 0670
 0800 0590 0630 0760 1120
 = AR

4735 kHz, 23-01, 0800 UTC

VVV VVV PROMRCh = 23 01 =
 1000 0030 1090 1280 1850
 1200 1120 1180 1370 1950
 1400 1070 1120 1290 1810
 1600 1030 1080 1260 1770
 1800 0760 0790 1010 1280
 2000 0460 0480 0560 0780
 2200 0390 0410 0460 0620
 0000 0410 0420 0470 0620
 0200 0430 0440 0490 0660
 0400 0450 0460 0510 0680
 0600 0410 0430 0490 0680
 0800 0600 0640 0780 1180
 = ABV

VVV VVV PROMRCh = 23 01 =
 1000 0030 1090 1280 1850
 1200 1120 1180 1370 1950
 1400 1070 1120 1290 1810
 1600 1030 1080 1260 1770
 1800 0760 0790 1010 1280
 2000 0460 0480 0560 0780
 2200 0390 0410 0460 0620
 0000 0410 0420 0470 0620
 0200 0430 0440 0490 0660
 0400 0450 0460 0510 0680
 0600 0410 0430 0490 0680
 0800 0600 0640 0780 1180
 = AR

4735 kHz, 20-01, 0800 UTC

VVVVV PROMRCh = 20 01 =
 1000 0990 1040 1230 1790
 1200 1080 1130 1320 1900
 1400 1040 1090 1260 1770
 1600 0990 1040 1210 1730
 1800 0720 0750 0860 1210
 2000 0450 0470 0540 0760
 2200 0390 0400 0460 0620
 0000 0410 0420 0470 0620
 0200 0430 0440 0490 0660
 0400 0440 0460 0510 0680
 0600 0410 0430 0490 0680
 0800 0590 0630 0760 1120
 = ABV =

VVVVV PROMRCh = 20 01 =
 1000 0990 1040 1230 1790
 1200 1080 1130 1320 1900
 1400 1040 1090 1260 1770
 1600 0990 1040 1210 1730
 1800 0720 0750 0860 1210
 2000 0450 0470 0540 0760
 2200 0390 0400 0460 0620
 0000 0410 0420 0470 0620
 0200 0430 0440 0490 0660
 0400 0440 0460 0510 0680
 0600 0410 0430 0490 0680
 0800 0590 0630 0760 1120
 = AR

4735 kHz, 24-01, 0800 UTC

VVV VVV PROMRCh = 24 01 =
 1000 1050 1100 1300 1860
 1200 1040 1190 1390 1950
 1400 1080 1130 1290 1800
 1600 1040 1090 1260 1790
 1800 0770 0800 0920 1290
 2000 0460 0480 0560 0780
 2200 0390 0410 0460 0610
 0000 0410 0420 0470 0620
 0200 0440 0450 0500 0660
 0400 0450 0460 0510 0680
 0600 0420 0440 0500 0680
 0800 0610 0650 0780 1150
 = ABV

VVV VVV PROMRCh = 24 01 =
 1000 1050 1100 1300 1860
 1200 1040 1190 1390 1950
 1400 1080 1130 1290 1800
 1600 1040 1090 1260 1790
 1800 0770 0800 0920 1290
 2000 0460 0480 0560 0780
 2200 0390 0410 0460 0610
 0000 0410 0420 0470 0620
 0200 0440 0450 0500 0660
 0400 0450 0460 0510 0680
 0600 0420 0440 0500 0680
 0800 0610 0650 0780 1150
 = AR

4735 kHz, 25-01, 0800 UTC

VVVVV PROMRCh = 2501 =
1000 1060 1110 1310 1890
1200 1150 1200 1400 1990
1400 1090 1130 0300 1820
1600 1050 1100 1270 1810
1800 0780 0820 0940 1310
2000 0460 0490 0560 0790
2200 0390 0410 0460 0620
0000 0410 0420 0470 0620
0200 0440 0450 0500 0660
0400 0450 0460 0520 0680
0600 0420 0440 0500 0690
0800 0610 0650 0790 1150
= ABV
VVVVV PROMRCh = 2501 =
1000 1060 1110 1310 1890
1200 1150 1200 1400 1990
1400 1090 1130 0300 1820
1600 1050 1100 1270 1810
1800 0780 0820 0940 1310
2000 0460 0490 0560 0790
2200 0390 0410 0460 0620
0000 0410 0420 0470 0620
0200 0440 0450 0500 0660
0400 0450 0460 0520 0680
0600 0420 0440 0500 0690
0800 0610 0650 0790 1150
= AR

4735 kHz, 26-01, 0800 UTC

VVVVV PROMRCh = 2 6 0 1 =
1000 1070 1120 1320 1890
1200 1160 1220 1410 2000
1400 1090 1140 1310 1840
1600 1060 1110 1280 1820
1800 0800 0830 0950 1330
2000 0470 0490 0570 0800
2200 0390 0410 0460 0620
0000 0420 0430 0470 0630
0200 0440 0450 0500 0670
0400 0450 0470 0520 0690
0600 0420 0440 0500 0690
0800 0620 0660 0790 1160
= ABV =
VVVVV PROMRCh = 2 6 0 1 =
1000 1070 1120 1320 1890
1200 1160 1220 1410 2000
1400 1090 1140 1310 1840
1600 1060 1110 1280 1820
1800 0800 0830 0950 1330
2000 0470 0490 0570 0800
2200 0390 0410 0460 0620
0000 0420 0430 0470 0630
0200 0440 0450 0500 0670
0400 0450 0470 0520 0690
0600 0420 0440 0500 0690
0800 0620 0660 0790 1160
= AR

4735 kHz, 27-01, 0800 UTC

VVV VVV PROMRCh = 27 01 =
1000 1070 1120 1320 1900
1200 1170 1220 1410 2010
1400 1100 1150 1320 1840
1600 1070 1120 1290 1840
1800 0810 0850 0970 1350
2000 0480 0500 0580 0810
2200 0400 0410 0450 0620
0000 0420 0430 0480 0630
0200 0440 0450 0510 0670
0400 0460 0470 0520 0690
0600 0420 0440 0500 0700
0800 0620 0660 0800 1160
= ABV
VVV VVV PROMRCh = 27 01 =
1000 1070 1120 1320 1900
1200 1170 1220 1410 2010
1400 1100 1150 1320 1840
1600 1070 1120 1290 1840
1800 0810 0850 0970 1350
2000 0480 0500 0580 0810
2200 0400 0410 0450 0620
0000 0420 0430 0480 0630
0200 0440 0450 0510 0670
0400 0460 0470 0520 0690
0600 0420 0440 0500 0700
0800 0620 0660 0800 1160
= AR

4735 kHz, 28-01, 0800 UTC

Note the missing group
VVV VVV PROMRCh = 28 01 =
1000 1070 1120 1320 1900
1200 1170 1220 1420 2010
1400 1100 1150 1310 1830
1600 1070 1120 1300 1840
1800 0820 0850 0980 1360
2000 0490 0510 0590 0820
2200 0400 0410 0460 0620
0000 0420 0430 0480 0630
0200 0450 0460 0510 0670
0400 0460 0470 0520 0690
0E00 0430 0450 0510 0700
0800 0670 0800 1170
= ABV
VVV VVV PROMRCh = 28 01 =
1000 1070 1120 1320 1900
1200 1170 1220 1420 2010
1400 1100 1150 1310 1830
1600 1070 1120 1300 1840
1800 0820 0850 0980 1360
2000 0490 0510 0590 0820
2200 0400 0410 0460 0620
0000 0420 0430 0480 0630
0200 0450 0460 0510 0670
0400 0460 0470 0520 0690
0E00 0430 0450 0510 0700
0800 0670 0800 1170
= AR

4735 kHz, 29-01, 0759 UTC

VVVVV PROMRCh = 2901 =
1000 1080 1130 1330 1910
1200 1180 1230 1430 2030
1400 1110 1160 1330 1850
1600 1080 1130 1310 1850
1800 0830 0870 0990 1370
2000 0490 0510 0590 0830
2200 0400 0410 0460 0620
0000 0420 0430 0480 0640
0200 0450 0460 0510 0680
0400 0460 0470 0520 0690
0600 0430 0450 0510 0700
0800 0630 0670 0800 1180
= ABV
VVVVV PROMRCh = 2901 =
1000 1080 1130 1330 1910
1200 1180 1230 1430 2030
1400 1110 1160 1330 1850
1600 1080 1130 1310 1850
1800 0830 0870 0990 1370
2000 0490 0510 0590 0830
2200 0400 0410 0460 0620
0000 0420 0430 0480 0640
0200 0450 0460 0510 0680
0400 0460 0470 0520 0690
0600 0430 0450 0510 0700
0800 0630 0670 0800 1180
= AR

4735 kHz, 30-01, 0804 UTC. Late start

The 2200 line was not sent
VVVVV PROMRCh = 30 01 =
1000 1070 1130 1330 10 (13 sec silence)
EEEEEE V (32 sec silence)
VVVVV PROMRCh = 30 01 =
1000 1070 1130 1330 1910
1200 1180 1230 1420 2020
1400 1110 1160 1320 1850
1600 1080 1130 1310 1850
1800 0830 0870 0990 1380
2000 0490 0520 0600 0830
0000 0400 0410 0460 0620
0200 0420 0430 0480 0640
0400 0450 0470 0520 0690
0600 0430 0450 0510 0700
0800 0630 0670 0800 1180
= ABV =
VVVVV PROMRCh = 30 01 =
1000 1070 1130 1330 1910
1200 1180 1230 1420 2020
1400 1110 1160 1320 1850
1600 1080 1130 1310 1850
1800 0830 0870 0990 1380
2000 0490 0520 0600 0830
0000 0400 0410 0460 0620
0200 0420 0430 0480 0640
0400 0450 0470 0520 0690
0600 0430 0450 0510 0700
0800 0630 0670 0800 1180
= AR

4735 kHz, 31-01, 0800 UTC

VVV VVV PROMRCh = 31 01 =
1000 1070 1130 1330 1900
1200 1180 1140 1430 2020
1400 1110 1160 1320 1860
1600 1080 1140 1310 1850
1800 0830 0860 0990 1370
2000 0490 0520 0600 0830
2200 0400 0410 0460 0620
0000 0420 0430 0480 0630
0200 0450 0460 0510 0680
0400 0460 0470 0520 0690
0600 0430 0440 0510 0700
0800 0630 0670 0800 1180
= ABV
VVV VVV PROMRCh = 31 01 =
1000 1070 1130 1330 1900
1200 1180 1140 1430 2020
1400 1110 1160 1320 1860
1600 1080 1140 1310 1850
1800 0830 0860 0990 1370
2000 0490 0520 0600 0830
2200 0400 0410 0460 0620
0000 0420 0430 0480 0630
0200 0450 0460 0510 0680
0400 0460 0470 0520 0690
0600 0430 0440 0510 0700
0800 0630 0670 0800 1180
= AR

5435.8 kHz

- 01-01 Oiseau Pomme Earth Sea Cat Star (R), Apple Pluie Neige Vent Pluie Chaise (R), Fleur Souse Montagne Mountain Rain Flower (R), etc.
- 02-01 Cat Tree Cloud Chat Arbre Nuage (R), Mer Sea Dog Feu Tree Sea (R), Fire Cloud Wind Air Air Eau (R), etc.
- 03-01 Mer Sea Dog Feu Tree Sea (R), Air Oiseau Toile Car Book Voiture (R), Chause Forest Fish Flower Sky Lune (R), etc.
- 04-01 Chien Chaise Poisson Eau Arbre Vent (R), Sable Feu Table Air Pluie (R), Oiseau Pomme Earth Sea Cat Star (R), Lune Mer Star Earth Fish Chien (R), Fleur House Montagne Mountain Rain Flower (R), etc.
- 05-01 Cat Tree Cloud Chat Arbre Nuage (R), Neige Book River Book Foret Sable (R), Air Oiseau Toile Car Book Voiture (R), etc.
- 06-01 Pomme Forest Nuage Dog Ice Lune (R), Fire Cloud Wind Air Air Eau (R), Table Wind Foret Fleur Sable Fire (R), etc.
- 07-01 Oiseau Pomme Earth Sea Cat Star (R), Table Wind Foret Flower Sable Fire (R), etc.
- 08-01 Forest Nuage Dog Ice Pomme (R), Fleur House Montagne Mountain Rain (R), etc.
- 09-01 Eau Eau Wind Oiseau Table Soleil (R), Oiseau Pomme Earth Cat Star (R), etc.

UM05 changed its format on January 9th when it started to send parts of the Bible Book of Revelation, "Apocalypse" in French. The station still doesn't use punctuation marks which results in strange words and sentences.

- 10-01 Parts of Revelation 12:11 and 12:12.
I ont vaincu par le song de l agneau et par la parol d oont ils ont t moign car ils ont m pris leur vie jusque mourir
12 soyez donc dans la joie vous les cieus et leurs habitants malheur
- 10-01 Parts of Revelation 6
vivants crier comme d une voix de tonnerre viens 2 et voici qu apparut mes yeux un cheval blanc celui qui le
montait tenait un arc on lui donna une couronne et il partit en vainqueur et pour vaincre encore 3 lorsqu il ouvrit le
deuxieme sceau j entendis le deuxime vivan creer viens ... etc
- 11-01 Parts from Revelation 20
apposa des scells afin qu il cesst de fourvoyer les nations jusqu fachement des mille annes aprs quoi il doit tre relch pour
un peu de temps 4 puis je vis des trnes sur les quels ils s assirent et on leur remit le jugement et aussi les mes de ceux ...
*Note: The station still sends parts of Apocalypse but as you can see it regularly skips letters and does not use punctuation.
The correct text is: ... apposa des scellés, afin qu'il cessât de fourvoyer les nations jusqu'à l'achèvement des mille années
Après quoi il doit être relâché pour un peu de temps 4 Puis je vis des trônes sur lesquels ils s'assirent et on leur remit le
jugement et aussi les âmes de ceux ...*
- 12-01 More texts from the Bible. All accented letters were skipped.
- 13-01 et par Jsus Christ le t moïn fïdle premier n dentre les morts le prince des rois de la terre il nous aime et nous a lavs de nos
pchs par son sang il a fait de nous une royaut de prtres pour son dieu ...
- 14-01 au milieu des quatre vivants qui disait un litre de bl pour un denier trois litres d orge pour a un denier quant l huile et au
vin de les gche pas 7 lorsqu il ouvrit ...
*The lack of punctuation marks makes it a bit difficult to decode the morse. I searched for the original text in the Book of
Revelations and it should be like this: .. au milieu des quatre Vivants, qui disait: Un litre de blé pour un denier, trois litres
d'orge pour un denier! Quant à l'huile et au vin, ne les gâche pas! (7) Lorsqu'il ouvrit ...*
- 15-01 1 et je vis dans la main droite de celui qui dige sur le trne un livre roul crit au erecto et au verso et scell de sept sceaux 2 et je
vis un ange puissant proclamant gleint voix qui est digne ouvrir le livre et den briser les sceaux ...
- 16-01 agissements les hommis blasphemrent le dieu du ciel sous le cous des douleurs et des plaies 12 et le sixime rpandit sa
coupe sur le grand fleuve euphrate ...
- 17-01 longueur largeur et hauteur y sont gales 17 puis il en mesura le rempart soit 133 coudes ...
- 18-01 vis un ange debout sur le soleil clier d une puissant tous les oiseaux qui volaient au znith venez ...
- 19-01 Bible texts i.p. portant glav un not nouveau qui nul de connat hortis celui qui le reoit 18 a lange de leglise de thyatire cris ainsi
parle le fils de dieu ...
- 20-01 qui nul ne connat hormis celui qui le reoit 18 a l ange de l eglise de Thyatire cris ainsa parle le Fils de Dieu ...
- 21-01 ciel 7 on lui donna de mener campagne contre les saints et de les vaincre on lui donna pouvoir sur toute race peuple ..
- 22-01 au ciel des voix clamrent le royaum du monde est acquise notre seigneur ainsi qi son Christ ...
- 23-01 toutes les nations du vin ce la colre 9 un autre ange un troisme les suivit criant d une voix ...
- 24-01 pour les sicles des sicles amen voici il vient avec les mues chacun le verra mme ceux qui l ont transperc ...
- 25-01 active, sending texts from the Bible
- 26-01 on leur remit sept trompettes 3 un autre ange vint alors se placer prs le l autel muns d une pelle et or on lui donna
beaucoup de parfums ...
- 27-01 les idoltres et tous ceux qui is plaisent faire le mal 16 moi jai envoy mon ange publier chez bous ces rvlations concernant ...
- 28-01 15 puis un autre ange sortit du temole et crin dune voix puissante celui lui tait assis sur la nue jette te faucille et moissonne
car c est l heure de moissonner ...
- 29-01 de si repentir de leurs agissements les hommes blasphemrent le Dieu du ciel sous le coup des douleurs ...
- 30-01 le cinquieme sceau je vis sous l autel les mes de ...
- 31-01 20 alors toute le prit le luite et les montagnes disparure et 21 et des grlons normes prs de 18 livres ...

DIGITAL MODES

Russian Government networks (including intelligence agencies, domestic and international nets) . Designators F01, F06, F06a, M42, M42b

F01 – FSK 200/500

7629/6783/4034 kHz, 03-01, 1940/1950/2000 UTC

Null message: 5761 00000 +++++ +++++

Link 00116 via Cuba

15956 kHz, 12-01, 2240 UTC

11177 00116 72951 11002 01989
82794 58394 97610 23071 38587 88899 87455 56832 19834 06069
71626 87568 14234 38213 15775 39022 92918 78071 44020 08907
05074 49673 42015 28006 92190 73349 50742 72888 70389 71070
61966 86920 54232 79308 51283 89270 20497 61603 09708 76588
35311 38025 59729 47044 93113 73714 66785 01421 40868 93702
82069 00948 85967 16175 77641 86557 11266 21390 59745 89252
45675 98421 71295 86275 63774 36932 19459 82773 12849 56141
89271 23628 90817 88193 29228 65154 23470 58110 19782 61350
14464 27508 60690 44383 66506 94275 38152 04003 97169 65395
57656 95568 97774 45095 53503 31374 08770 05521 10915 34964
10062 32120 61683 63124 49719 60908 39290 25238 59492 49834
04441 54688 30589 51397 76941 12003 48141 78736 34863 24422
07803 82355 66925 91581 62906 79681 89047 11999 75634 04643
60991 10038 70622 69458 64038 68062 14447 55815 25644 93444
69428 77633 02000 75123 95186 82595 54443 09409 96387 84634
80651 99704 40123 44574 86562 59847 91350 41084 09946 75744
39843 99176 31589 05006 17075 68388 34996 19242 26491 67873
00583 18736 35591 40570 45259 74156 03266 83638 43378 75018
40823 47358 89960 89557 30154 19664 92141 65733 47450 38521
99781 28019 65934 99316 11173 49688 02196 00000

F01 – FSK 200/500 Mon-Fri schedule

11079/9162/7509 kHz, 01-01, 1015/1025/1035 UTC

65096 13548 89326 99914 56756 12648 36370 30635 76822 90125
33632 86921 11167 41540 64845 92104 74755 08292 44893 35028
58950 57910 40017 64843 44893 35028 58950 12074 24258 07320
13717 28131 72229 77288 72626 60486 85447 12607 55410 05661
69059 26676 42433 07248 24885 22910 97313 91129 96284 62815
26100 55101 85001 93941 35759 55068 50906 92382 65421 55016
30599 99510 88814 32935 35789 57637 11330 59894 17402 74295
10151 94443 06344 69810 90887 59534 66863 87869 59154 94153
23455 73759 30526 96841 47221 49973 27302 41087 00000 00000

66270 68833 05969 24881 68839 76778 87890 78977 29254 65916
55906 65750 71887 99394 07176 53106 21795 05103 69204 93866
94625 93973 35107 20881 65925 75261 83753 66452 62028 79730
39446 79518 39711 26690 50852 39025 46808 95811 93847 86931
80968 89674 27983 29270 88748 97968 61251 78726 72219 99292
02835 37150 95289 61491 08537 41445 06908 26465 48574 21280
23366 90386 52417 42051 36855 15267 10374 31537 42490 32808
36590 13681 00975 26476 23180 97935 79093 02735 40135 97626
35232 87380 60741 75737 42103 07904 17160 41588 63857 47834
15879 46823 29788 83986 67705 54156 71800 42560 12011 77306
17837 42101 00000 +++++ +++++

11079/9162/7509 kHz, 02-01, 1015/1025/1035 UTC

84170 24097 49655 47914 20756 63837 54191 08649 59158 51664
83239 57649 93952 29571 67340 25519 42679 82887 96311 52139
33727 73458 53860 03487 09161 47520 25734 56123 65924 35476
67340 79050 83865 85750 41775 67614 14006 99916 64205 09149
25512 61280 13533 85045 34787 74102 97276 38934 65136 55665
80623 65669 10432 48344 15571 00798 01216 43899 31106 15208
96693 37153 70357 44640 51030 51253 85660 08748 27409 01704
27463 99397 58281 91355 88022 42892 75238 53540 85824 65813
56961 85532 01659 19157 68660 39541 02296 40463 91468 63394
12699 44091 00000 00000 00000 00000 00000 00000 00000 00000

03527 75494 93885 01211 52593 97863 63880 06668 81022 64382
11608 87268 25396 50805 55066 04178 22367 69571 77340 52179
17713 83820 40383 47371 98530 37117 77422 07914 90763 09842
18661 01297 89252 38181 29963 56535 12487 56648 69228 64751
99255 50081 90112 16570 89376 26049 47813 49769 55702 43601
86586 05622 79570 59312 13690 17366 86912 76540 89440 79239
87182 08847 88074 69527 82317 93520 09092 26037 37891 16129
43778 97459 33674 32043 26594 19054 35772 95881 26105 86070
57528 34789 55161 23381 01392 26509 04996 74722 98920 68177
32938 60021 91131 46771 58431 74214 16351 47165 47029 26010
97786 58714 87079 45103 00000 +++++ +++++

11079/9162/7509 kHz, 03-01, 1015/1025/1035 UTC

90483 84176 02381 22022 87835 02646 68796 02061 16041 24633
88145 68819 14641 15413 99572 56859 25664 06184 39415 24598
99860 19035 34799 66043 74141 47876 77025 21459 43645 12508
60670 16636 76861 28021 99354 85477 47273 56724 54106 55554
79929 34771 35258 01355 36398 90682 63815 94882 86540 97959
03244 08315 40534 28951 97590 48394 39591 02191 76904 27250
28802 40373 15868 99328 60548 81165 56597 19127 01919 08035
31533 99412 44567 93279 47373 74626 40445 70469 15972 99133
11859 78449 43155 35046 09271 44125 11378 09263 15304 96202
17171 44450 18362 27070 49306 93629 04325 45014 18629 33066
39749 83956 75477 93145 45000 62892 75650 31931 80774 12231
80834 81075 96430 09211 04451 18794 13579 89593 38845 49564
43358 27802 24765 95262 60847 02713 49057 27407 85035 91283
81529 95201 37802 57183 86904 29073 80336 26653 72812 24380
50438 68737 59758 34983 49130 22119 83993 31372 50026 35706
69237 03027 29895 15188 28191 09705 43845 92729 79758 11342
93584 62000 92944 31254 62178 45721 93339 32331 13748 87918
93143 10897 81555 88073 30661 37944 92895 19357 30207 02408
04247 98123 18364 36192 45115 96874 57513 25606 94001 17860
82606 38927 34941 69508 52079 24757 68041 12887 48873 60865
72469 70358 92490 58218 45305 13635 48021 49857 64726 73422
43081 19339 50935 37820 28593 48411 23286 31688 44362 88608
77028 94154 75365 86470 28135 96460 09704 17055 99618 67311
34157 05436 47795 17954 28264 40891 51927 84130 42883 13435
15683 27127 74164 27417 53848 61083 68859 71850 62732 98765
21928 52167 97697 32981 52357 13091 06261 95822 68150 07305
90198 62937 56405 89614 95085 95000 59434 41277 50727 33581
22851 54203 10892 93591 26571 29707 65806 19511 34659 71488
25847 97557 24963 77548 99844 41014 84467 60717 16474 90873
81310 52478 62130 99020 49395 69784 33762 86105 46538 49549
30072 91319 72092 80499 29538 56252 54975 87084 28692 10016
48049 45115 39081 47829 89784 33832 66368 20244 19147 54095
19992 75205 54643 67357 26829 20128 73465 35143 47308 96186
51672 63693 17390 81991 51337 83473 64872 68855 65615 18239
73448 74821 57650 23333 92950 89653 54270 97911 19229 67973
80405 00780 92095 12721 45166 24537 84771 16141 15519 07700
83270 50477 38495 89507 79173 25557 97877 37086 24207 55462
16292 99671 20085 01465 38646 69559 42032 83421 57861 54489

19449 76817 68817 91140 22130 37637 61461 54426 25494 22251
89018 42277 53257 94520 72230 40603 20976 37287 25570 98114
28916 10446 16367 65696 77669 22794 92782 80020 04967 09831
41561 96083 67114 34703 61518 46415 00000 +++++ +++++ +++++

11079/9162/7509 kHz, 04-01, 1015/1025/1035 UTC

66939 00296 96134 01423 87236 82849 66904 08446 04175 56227
75167 46385 25700 66671 59730 22223 26559 62011 05224 61536
21707 27448 64781 40609 20673 26127 06637 38190 80064 30427
14342 55309 96415 54914 95277 76599 06538 26895 77157 71562
87595 55498 97204 59205 74061 85235 13699 84505 33764 44971
94561 80120 70199 28234 62692 11791 43301 65823 02724 30877
25858 76629 58891 82455 37754 07620 78701 42420 25244 98920
82096 82033 77419 34933 60783 83344 97079 67422 37435 53929
68182 21520 39438 14390 87058 47085 00000 00000 00000 00000

63926 20255 46684 10968 59228 90431 99378 50995 79536 79827
20689 04500 58287 12043 85723 07547 53420 39851 48647 57498
59440 49215 81541 01068 16436 48178 37584 43961 27023 95297
11977 49276 17125 47318 99072 16875 01546 30778 69124 60884
40264 67214 13103 27545 96380 06685 29020 20565 31673 49265
48192 26188 00682 59232 24883 55157 29267 01601 37759 43759
88574 55719 76608 81133 00360 85601 12739 55046 34580 71680
76512 33304 85224 33678 90446 23001 35295 99278 31318 74784
46890 98287 19701 24328 37322 86961 60401 88201 27203 32213
82186 48091 00000 +++++ +++++ +++++

11079/9162/7509 kHz, 05-01, 1015/1025/1035 UTC

Null message: 5761 00000 +++++ +++++

11079/9162/7509 kHz, 08-01, 1015/1025/1035 UTC

36721 68273 89253 72467 16252 79549 71848 07041 49756 13436
89014 11145 59599 99019 47499 00040 04680 18752 74370 58152
27610 63123 84166 43608 21150 81539 27018 97555 18547 52822
34899 44204 37507 23778 08225 92529 32459 89269 09955 75575
34801 12229 59415 88286 85835 07052 43009 09818 92057 34802
84009 21254 57499 83681 38621 54675 72807 33175 10504 34507
65756 25340 00937 97098 42858 91655 36812 99448 76794 08870
43656 53048 19317 82303 55849 43736 44335 80014 81243 23549
50864 66295 62366 85463 80524 07913 01385 56997 29278 51543
41037 73589 58089 95840 18701 17710 32205 06561 35796 34618
43729 48202 09710 60734 97188 30580 00423 25530 62771 93775
29036 12902 26937 79918 30375 92956 95063 65200 06870 60132
25850 50598 75880 38618 02126 34720 27682 40986 67791 17213
36268 90994 85545 06181 90182 46474 95111 28042 35555 83262
76631 63264 48531 26106 48925 56420 79284 37471 57306 73988
34800 00202 30627 08355 92610 54970 12258 51441 62682 78440
94671 86392 39631 13097 12339 70780 12455 84668 72596 09737
23979 68095 29212 42473 97189 87953 28291 90613 70654 64305
81251 41784 10213 39888 44525 66890 89113 49588 10690 94525
53816 18145 40717 90943 17601 97005 92015 19041 49219 76283
21965 74773 48738 32750 71624 24454 27781 99799 59310 91372
36358 70325 38715 65158 03456 68437 01271 32345 83592 50976
27439 51558 26511 24737 16608 21771 12208 90366 50297 17062
18482 48844 68349 86321 13190 31511 62792 41326 88389 39562
19070 81634 78578 03954 59323 29743 30192 01658 67406 74921
14559 89197 00335 49188 01507 39414 15837 83842 35792 92384
70716 20009 83560 56441 69699 71617 41003 20226 69452 64266
22410 61720 67470 98398 69815 65179 30515 10233 51395 81918
42285 28885 40840 95882 75019 53125 94854 79939 14711 96189
71008 53830 94618 72105 53085 79725 16772 21956 76159 56304
66150 03519 68552 97316 47223 92727 52877 05553 97540 70384
73352 78154 58070 92563 41572 04222 04948 68142 17921 40634

72348 91905 70821 77034 21160 06643 80998 25912 33140 92696
82954 98717 35250 08386 60837 53957 83853 29745 40887 28186
63466 63018 47661 85860 79742 28346 16207 48969 51386 38076
77382 92386 30681 18146 58512 15891 07313 45970 66557 28777
75187 03260 45995 08002 66922 67234 28597 15808 85698 88638
17281 87754 89166 30018 71235 27095 05090 62686 84507 66439
83414 45823 85228 82643 14452 36130 27670 75856 67858 01502
54327 48660 32112 37130 70200 46253 59155 07495 96479 43600
43909 62657 35804 90497 93330 02326 86296 50478 64717 86099
86549 94511 77925 49413 00000 +++++ +++++

11079/9162/7509 kHz, 09-01, 1015/1025/1035 UTC

84872 76449 76630 38963 32382 06430 27284 88866 29434 51140
56964 12327 44207 23219 62622 37926 13737 53425 00960 38699
25820 68905 23504 26262 83439 84056 74674 59890 43889 64921
57521 93977 49805 53065 96833 12298 94264 59853 54288 22541
87166 67076 75351 09522 15064 94871 72590 70527 11636 22853
75108 81231 81005 75411 98780 65607 41062 07108 16972 68286
78999 49102 36434 52792 36246 02557 08069 74098 64977 89945
27237 98927 23400 00220 03312 72253 01985 50077 00000 00000

03054 94042 26988 97469 82409 13427 43472 10439 63558 18564
55490 48945 82067 10413 58421 17895 77472 36726 16408 39825
46618 77502 83317 28484 55296 21927 81229 50008 87871 35265
28628 32631 39591 39125 35487 10867 81242 53545 07440 15105
50879 74329 26217 42550 52272 84077 98542 70447 64792 20343
90673 97533 94405 49355 90769 24648 20468 18752 66287 10433
18010 87745 08577 63080 60198 58172 81876 54048 30654 54859
18885 64678 00332 28740 30107 01677 48627 81166 19159 42365
33418 32850 21208 95665 39713 85863 06754 89736 61606 52155
17926 22214 97215 74158 95137 51095 00000 +++++ +++++ +++++

11079/9162/7509 kHz, 10-01, 1015/1025/1035 UTC

30611 59884 80542 82278 43064 31951 48380 51461 01355 97321
04862 82315 99302 12757 47150 02418 58648 81278 36911 27888
73925 20254 59488 53003 29297 89343 82396 36404 98306 32998
86563 51059 62476 17199 68762 90195 09688 65119 38683 46364
98287 21400 59053 05851 97853 99725 02283 25591 42558 93393
22031 84805 58065 53550 63170 28521 47901 64796 58547 45176
50236 72845 86016 45500 01016 43913 84153 34844 64367 60538
50100 96156 16246 83514 67975 25796 92221 34624 41294 89355
35381 79858 27822 89704 05255 17816 00314 64413 33715 02962
81561 54770 38796 58442 27206 13558 32348 58129 54731 43801
82481 82599 42092 85639 16740 78721 44409 93553 76923 77545
02162 71091 61518 50180 39329 55316 16653 06349 74910 68140
61532 65302 96250 76745 59287 53790 67636 30270 69156 67636
30270 69156 10764 72571 64953 94928 37844 84889 15198 30841
98042 46398 11924 93491 71934 46682 05663 14685 94981 20261
30015 42473 82708 96092 61490 92976 58571 80702 53880 15985
50687 85542 93814 66503 18336 03281 00956 99449 94194 62699
21248 29686 53223 16902 86681 24562 44157 44499 39993 21169
44527 68475 47744 85493 25159 22421 50217 55647 35074 18807
21568 36364 42748 99007 38665 36963 94647 69746 82060 69944
76990 55645 17527 52431 91670 22590 31598 77619 82274 51576
19554 48435 71135 67728 49276 90599 93364 54185 49431 87255
38783 05541 95395 02383 37710 00513 91386 85157 51531 98547
72206 72463 53992 90032 73065 31730 14155 54808 40901 11295
16939 08675 85642 90468 82217 42567 94854 46498 68369 84099
60193 80611 71249 36156 89120 70326 54505 72221 00307 40227
72177 93139 26168 68372 69524 74979 70957 70548 73006 62712
97877 29531 05365 89364 43617 61561 86743 25354 83782 37211
07776 87688 97628 98836 85584 63717 05561 41794 38630 29114
77816 51620 41342 64788 37778 14348 44473 02420 08358 42165

72119 53275 74878 81583 31328 00031 62900 96320 95248 56260
54426 42072 45753 23290 90924 75367 86465 99101 36601 63698
62143 18979 00368 89100 45338 32575 39938 62380 76286 47094
96486 90171 66951 91277 33318 62020 05170 79870 76974 49667
19832 83273 84215 35726 93030 32052 83330 13951 30129 10996
63185 28263 23664 22420 08476 42745 72046 23390 04605 59771
38976 66560 60622 28472 64521 99314 23673 10722 63791 00892
83385 96831 74150 62192 89642 88132 36901 37939 32157 88646
24375 25903 55319 73024 48376 52853 06719 22941 10907 71938
42804 49135 83116 01187 40109 41281 23410 57795 85480 12881
70655 67918 43744 33359 73428 56625 26260 64562 41219 47725
08781 43828 28567 28137 72075 80831 88025 52417 00000 +++++

11079/9162/7509 kHz, 11-01, 1015/1025/1035 UTC

16083 75913 42894 99386 27031 02323 44908 17412 47447 08497
59430 24181 31698 79717 55122 49319 34423 96780 48932 17377
52476 89435 92018 71240 10708 09057 51880 76491 52534 25246
14100 23920 21235 76048 52168 72361 42899 26459 38806 99060
46980 14936 97222 49734 85381 92569 15764 05535 36014 84629
74367 09097 01764 29158 56275 16845 40809 72294 43442 69768
89221 25038 19061 99833 61791 11118 25671 14232 42009 60658
52251 24646 97148 29342 48776 13722 79385 47743 91629 55940
98882 53081 00000 00000 00000 00000 00000 00000 00000 00000

36697 94240 22106 39718 32025 03891 85311 80037 02644 39887
68768 59532 35286 99540 52273 18368 11708 71294 51351 75750
10831 39183 08318 28972 22699 46375 78743 29500 47695 84990
49275 15810 79441 04368 47732 07642 94834 54980 31433 91368
99642 10180 64679 51169 03113 32967 21337 25686 20011 79965
73454 94856 23548 59783 51849 26620 97620 87969 89610 38157
61803 05731 84448 51380 67533 54609 40820 47349 88926 24300
77791 49294 56659 15810 13547 88940 08348 87124 62509 35832
53879 73591 05982 94310 79114 00195 22271 97882 36411 27908
87218 54091 00000 +++++ +++++ +++++

11079/9162/7509 kHz, 12-01, 1015/1025/1035 UTC

Null message: 5761 00000 +++++ +++++

11079/9162/7509 kHz, 15-01, 1015/1025/1035 UTC

24603 38728 09611 54002 94342 55363 19078 65911 42259 64442
50151 40568 66607 14449 06252 75145 28517 62369 04028 86448
54863 31817 82719 51513 09993 15398 34719 54152 97229 25994
80761 54655 76104 26667 38179 24817 06246 93857 55661 15484
53870 93579 12957 48806 21802 75282 08951 52392 88969 13083
86562 77534 70315 49044 67897 68715 33045 18192 98083 76561
30166 59962 21250 31445 37254 45756 37055 19923 03370 77301
11233 31185 52080 35493 38572 65718 93512 84419 81781 23364
33382 60250 34662 12948 89927 99666 83042 50698 54700 87539
61898 39597 58128 28531 32109 46901 25813 72304 25269 21972
36483 47040 30017 21644 17540 80941 18293 35287 39148 16409
34986 26769 92794 46582 99388 35500 65249 28939 19120 37746
43892 55608 24490 22398 14307 85155 18110 12387 36105 65427
35914 83931 07917 02232 45303 40805 57463 53499 07478 21807
17683 53611 17868 96629 74812 97604 45867 58312 99394 39918
47327 79458 96117 87374 48249 24413 33455 91103 23090 34580
39017 67058 16147 29081 71565 99846 79442 87923 06290 95482
55491 09884 89649 86199 18795 62278 63605 21655 53283 64820
47037 93486 91169 74748 33433 80630 59628 65406 51890 15454
29945 15470 81997 01940 27184 51010 32886 54667 43848 07566
22376 38286 55989 04438 17147 12160 65194 48361 19901 09883
14887 08772 14416 08333 54383 31839 04461 65977 49142 85453
07489 35099 60637 52360 89056 77628 44308 13623 48898 39289
38997 89613 94604 61721 46346 30701 63833 37291 23560 74836

80991 36249 37991 14227 59330 60956 56976 38268 84382 06833
71368 44944 39693 34743 76189 37864 60768 84492 56861 51137
28181 84118 54427 69260 35780 34677 08228 34217 94931 75203
99444 56976 60734 57531 43969 75556 91143 85672 08019 44947
24576 89506 06904 76686 59910 74270 95713 68249 74270 95713
68249 68080 30881 77377 68739 27009 85929 44787 17305 80844
77226 47320 37466 05363 49545 13316 68259 57448 70781 74607
05643 75845 04454 72788 52582 25365 99494 51911 01277 01737
83260 67285 95940 39294 68703 65097 49598 88679 11643 12498
13313 56751 79064 82876 21302 25893 14404 26001 60360 94898
10731 77699 37042 08631 27782 88783 41037 68635 13786 77905
28170 41897 18000 38014 71466 09933 04918 51124 53728 25402
06070 91068 00048 68419 70355 18923 73695 19774 98853 00802
83833 93216 75042 02701 78475 94025 26363 42073 21141 96025
78070 00843 74639 54255 85311 29518 40419 95461 54355 97116
26919 53618 88926 66571 45368 42644 22572 00318 56450 83528
23000 25742 16305 28026 79329 15175 95261 46127 08191 60135
67782 69486 39602 55413 00000 +++++ +++++

11079/9162/7509 kHz, 16-01, 1015/1025/1035 UTC

89514 40859 14241 27541 66550 51915 94118 26012 34681 73295
13924 35932 70708 45232 30942 99379 38224 26671 19851 64520
26956 85764 93951 35528 21126 35390 51500 47991 95240 05877
08074 74502 60770 72118 00911 90102 12132 77276 76164 52280
45437 20246 94994 75210 48430 99088 19452 02915 85043 27597
64084 11041 23040 67202 24203 91935 78135 41393 16744 02714
73084 24848 94664 80995 35129 24459 20820 58016 80272 94438
12236 23773 57804 52692 90746 23926 53516 56077 00000 00000

52390 24651 30533 22018 10734 40398 92196 58935 08142 40657
05193 10445 38471 56897 12779 97400 03821 63748 83785 17347
33885 94522 83972 70053 57360 16993 48652 89386 05086 67852
48776 42479 49615 69316 67659 82116 10898 76281 30543 63278
82760 27492 54167 59788 59883 99146 08565 41991 69940 84383
08234 01406 40616 47086 74906 33286 56164 23436 39078 13031
83204 69663 72496 27380 70454 79419 68793 46333 52063 19228
14456 46725 09251 55421 17305 23404 69938 71038 84691 48936
51051 96086 68582 67800 73183 99625 19728 57087 00000 +++++
+++++

11079/9162/7509 kHz, 17-01, 1015/1025/1035 UTC

89460 70252 80141 29872 58088 12740 57587 83453 64313 68158
19736 37341 38825 12885 38092 72175 75441 44011 13130 40402
61742 01262 27631 51704 00032 40573 58323 49956 85828 95270
25513 80109 36053 85772 85379 68460 84116 63783 94652 64735
84090 01878 02321 19425 91143 64448 48092 94815 10436 20928
72275 33150 31662 87242 66775 30345 91420 06416 21884 88724
30604 04279 48571 47189 39000 81212 80938 12264 04286 25861
88546 38461 07597 61753 53286 31403 32876 62784 90491 72129
82175 98461 18977 86037 14101 94895 09691 04891 47589 22432
67661 95320 98208 45894 26947 52286 39160 98356 63240 80898
04179 64389 53856 15069 74514 83711 39759 46407 17183 11201
69330 61817 66672 94177 28564 13214 67297 52919 87370 67809
18381 75328 16691 12408 89461 61705 56088 10134 97700 80552
36521 33044 64691 21349 87982 19058 94842 55239 86679 26634
42539 35956 92146 38647 60252 27205 84176 67889 44803 66575
13621 25634 23948 03375 47815 71712 50492 19865 64253 99527
96104 72709 12831 66441 62032 15282 71137 88989 48890 15387
76797 23339 52730 04323 16554 29446 79553 18234 76772 42336
95483 17687 85060 98954 54757 96401 97692 94023 72743 15086
12514 63327 36166 21299 12029 17896 67722 41294 66345 77489
87281 54768 50678 76842 36856 88456 57081 43102 61527 89518
05116 67889 63517 64641 81121 22430 71588 95804 60794 89190

92971 68646 94755 08455 39993 74356 61788 63273 48595 71052
19444 51244 30950 15557 06697 16528 29328 01528 78336 40571
63436 64873 75788 14948 88391 42386 64046 44777 05532 94539
89402 56129 93244 28385 37674 05893 50003 81478 97596 17504
66797 52786 59083 91002 71143 91491 01043 60838 09871 79658
48421 99865 62856 69678 03181 92972 04910 62432 78890 28776
57991 37125 93612 82813 00942 68703 00779 90687 28930 93826
62750 34578 79786 11289 96726 91577 69423 27873 47718 17282
03521 85531 68251 63064 57675 30874 09499 50485 43187 12855
53525 51271 00683 19642 41331 46284 88756 90567 76392 61949
59816 64120 08361 07551 40334 47915 26647 61844 57660 21563
18537 82428 80626 08393 71555 36307 66094 76963 24759 75072
28651 58290 98628 03167 75636 89736 58280 12641 74693 21502
89647 82849 46021 46646 93352 68538 96522 40583 25933 24738
38040 20987 43124 41910 56850 64049 24874 89796 26627 38012
86790 93380 82040 39935 07697 89433 95192 46613 27991 37047
22072 15598 98491 80620 11213 97250 84459 88720 91749 43771
54484 17259 83060 26134 08920 70422 93165 94871 27560 57798
98097 45649 41236 71121 19407 75552 57035 58407 00000 +++++
+++++

11079/9162/7509 kHz, 18-01, 1015/1025/1035 UTC

91981 07733 35116 83543 50156 65204 73333 18281 88881 17911
01699 31433 47120 50677 69406 69344 33419 65401 56724 62224
18242 86442 20685 46388 13892 04004 30727 36191 02973 60180
17712 62873 01322 07377 84758 22473 66354 93778 53332 00018
86754 55553 43017 62167 14451 20486 08434 35504 24816 52720
81705 12658 16026 93306 93940 53442 83517 76237 74151 73207
30477 24652 49054 35581 00310 56915 92178 91790 42010 57237
95744 33766 44388 90536 63716 53180 00074 66228 49495 23655
85248 80625 86673 59083 00000 00000 00000 00000 00000 00000

25542 05406 58266 75351 75108 22612 14117 18436 83424 97305
96415 90401 27146 43117 00054 74370 40230 96499 15672 40410
32356 77611 77818 05093 80502 16917 41729 34127 35845 58457
43406 61492 13182 75712 22678 23517 55062 60995 13942 31330
87812 74327 34272 30133 11640 62718 23570 18729 92008 85790
16460 27733 44475 08702 50606 79921 30162 48273 41150 81142
04070 83289 75937 15233 83404 64893 11243 41375 28114 88014
72667 17333 50818 09772 90896 97002 98322 25785 27015 75721
71896 60081 00000 +++++

11079/9162/7509 kHz, 19-01, 1015/1025/1035 UTC

Null message: 5761 00000 +++++ +++++

11079/9162/7509 kHz, 22-01, 1015/1025/1035 UTC

73276 88381 48629 49484 56848 59130 72976 54992 57051 92518
46987 86481 52039 07019 76582 16302 92306 73833 86395 85764
50098 57680 92473 12381 74384 85416 14134 92916 24839 09679
60925 81918 83255 59731 55614 50427 65853 96713 79155 54550
84882 15457 48560 68587 33003 60086 63624 62389 88836 45567
83433 27645 67162 02406 18593 82787 62166 86672 50118 11193
57207 22554 10925 12370 99513 69602 90847 70827 63263 31891
51141 72303 49482 51241 59383 22042 96192 51724 80728 44818
97254 27618 86447 71374 53338 92010 65689 40985 03459 28235
51401 74809 10517 11323 96350 99739 99283 91663 60174 27423
70259 58060 93413 18149 37850 22370 29444 84282 66303 92907
20264 12942 01826 28810 77065 12597 24338 92545 01524 13282
67292 42757 18752 75112 78992 34616 47854 84785 23862 19896
71005 44761 47081 63928 87014 84800 51048 21652 60292 50561
57092 39922 01165 48927 50877 78281 38478 54765 34934 65377
70418 08795 36760 33205 04502 61257 45924 96376 22651 41079
78608 68594 32313 55202 93033 33517 89550 47782 04200 12211

05042 73941 71378 94367 68926 67751 56798 25484 55438 09148
78960 67181 93261 19456 09018 72857 12545 40217 83661 45860
04517 75006 32943 72367 54630 98919 46484 46160 35188 65432
26494 27480 68367 65300 01045 03155 95606 17206 96042 40181
14263 94823 89316 49949 67500 20008 95284 05306 98337 76772
53618 77633 03792 25763 20351 86131 50056 23901 84861 76502
34656 78901 61178 71208 06507 93326 27037 58509 79826 77891
09126 12447 02830 38684 37962 60981 67147 68008 20840 44455
68899 93519 06272 31578 57377 65357 38378 85121 32250 85942
24657 94503 75249 12150 65565 17456 27261 84521 19361 97966
46769 63225 00624 52671 10581 75434 35921 42893 42775 03825
25029 74519 82811 70866 81159 92885 28738 98612 48632 64880
16434 48656 21425 65433 20821 71954 11031 10595 89991 23200
37087 04377 48180 19436 39178 91553 28518 47592 33278 33613
21520 50638 61255 50029 50217 47032 06882 92062 07901 63162
76786 41265 19392 83465 69782 49877 11790 47901 83010 65310
05625 51487 28348 05900 62366 25563 57490 80107 49209 05487
19181 66379 07082 14444 96987 95824 32824 18050 01104 04926
11455 29454 12575 50445 59471 69605 03408 03729 65134 12391
81004 66600 36648 69322 30338 76011 94200 93458 52327 89658
66780 07260 21840 69744 79720 84045 13758 07061 43901 37766
70551 52607 82551 00747 09792 48902 56582 94124 95043 78198
74398 20636 18574 69774 97111 34457 69314 33497 75114 67790
84514 11846 76923 61403 00000 +++++ +++++ +++++

11079/9162/7509 kHz, 23-01, 1015/1025/1035 UTC

79057 83815 08400 61092 27450 68849 24604 75706 60554 94993
60699 94275 00030 06269 90371 28184 92512 59463 90615 02607
39931 19470 37132 27283 22109 16037 06868 02930 97583 91643
36109 05487 93597 95162 07588 15388 21174 01029 65025 84030
76237 58566 78557 54642 12703 01191 09473 79734 98473 70154
47706 02322 90291 32538 20526 93095 88367 98159 95847 60745
56736 65103 28613 77616 20275 48542 23676 87875 74310 72559
13629 90396 67775 29635 75007 13531 45821 37499 31308 23966
62855 48043 16270 36848 01915 87954 95835 62087 00000 00000

40483 38735 25567 77836 56041 87823 57864 25471 84219 75109
08213 56461 83757 37436 51517 73830 87230 99957 99956 45475
44158 35439 18209 74057 39209 99038 16120 54100 46445 43267
42256 33485 05535 42811 26766 21522 30878 83907 46999 10797
89581 97954 14318 04973 09212 44051 05537 69734 01276 70145
87425 49070 11366 07489 07723 14063 31894 78075 51083 36402
38365 19760 83408 03777 35123 58733 32996 19361 21509 84054
81933 52563 14362 03920 66196 33233 87808 88355 07867 06514
16278 28027 27916 90529 31665 63842 13001 04085 30611 67057
34695 56577 92796 74537 44595 63095 00000 +++++ +++++

11079/9162/7509 kHz, 24-01, 1015/1025/1035 UTC

21194 10993 35072 89881 56051 72714 36223 35226 64985 49842
91079 90246 17120 62380 46599 99475 58828 35733 72461 99568
89661 24069 96607 90750 88361 84161 93221 70481 49919 04418
46592 46510 19600 18759 39290 71514 34882 60058 38103 66503
11241 32817 76149 25184 32719 09761 54641 16473 33218 82059
12693 27329 79454 17834 38649 13123 91507 08667 21346 47695
61903 08774 64752 90324 59179 96549 14433 11770 26845 13160
69253 46580 13706 57870 76793 63871 96456 44807 35873 73734
80513 50820 54652 11485 89991 09162 37740 66930 82789 28639
00732 50843 51708 42951 35638 15827 97536 19889 75623 73769
85052 85081 32497 77057 17875 39982 05402 55758 93086 78785
84129 27937 21599 33948 95495 25313 25164 05022 66230 01430
45985 50462 00801 14534 29867 47125 97615 02353 68838 47116
52049 90949 14181 86700 19713 04846 95805 26942 38427 70607
08924 30775 32309 31072 53925 06187 46441 12407 40431 70197

85534 11188 91432 13334 55035 93685 08478 69279 28113 24547
83816 19380 86959 67057 70466 86705 11849 22169 46121 99352
16384 98494 31848 27670 52372 30440 51503 25091 32769 86668
42810 27282 46128 36085 56035 89263 60983 63530 01201 65214
43622 52369 29762 60642 37666 76152 61709 11598 78910 66563
94002 70630 43850 49809 51299 04173 55341 68657 64905 31031
93823 32315 90883 56685 87549 61315 03257 83071 80253 19614
23256 98539 99697 51088 70530 77679 75544 62608 47273 45692
79967 20880 91195 87003 89465 55250 58281 02801 91302 83650
21269 47187 83010 03876 94794 96626 38401 17383 23124 32393
38516 77791 91430 40679 90956 81289 46539 60078 86031 41109
38083 31114 63153 13279 16009 27511 85934 65831 45359 73885
49404 08659 24293 79552 67797 26192 16251 43139 16345 80105
32226 07676 25506 74233 24070 70868 51078 98868 74768 80237
68626 96652 96627 67803 65662 17234 73312 04007 30020 52879
06663 75566 57855 72235 54237 16935 29715 94415 68520 50068
28108 70615 73714 12177 95019 65421 41084 76155 52803 55033
48759 93371 36890 84549 36956 13511 13752 51532 94539 61157
82550 08032 37881 73799 83930 98244 67927 30951 64357 74015
16435 29070 69478 55353 17305 81969 64915 28150 63946 51401
07937 96305 38619 37503 18449 30422 24681 83800 22741 80273
37687 76439 68417 43238 36270 42352 33964 05863 98747 76033
81379 00770 76389 49617 25307 46075 59273 85938 17115 59526
15690 99279 67344 64518 91013 33472 54989 30204 76978 52049
97012 12869 87310 60143 76570 90763 00644 62803 53354 09582
56649 89425 04500 80768 16339 38990 69508 99849 22459 25779
97601 64411 00000 +++++

11079/9162/7509 kHz, 25-01, 1015/1025/1035 UTC

72531 86865 82367 76121 36607 74966 58269 16519 62457 20711
55297 72387 41429 43697 60772 01985 48087 08134 27640 04587
26538 48195 70022 41989 16691 93097 57302 52684 43903 09052
92682 88409 20437 00311 87156 27730 32172 36486 64820 46379
09009 98310 60475 49007 02406 59061 95454 92056 18474 43799
42605 52430 80080 33641 16368 21650 16399 07230 48898 30195
03324 36602 38154 31693 03219 79642 78894 01676 77405 36296
12529 30563 69852 60751 56748 15575 85485 46757 00881 81260
11572 28279 77909 83321 55602 62668 49079 75428 98116 88543
62051 43715 83913 75566 68523 38628 00064 65097 00000 00000

44016 46175 60749 89276 18911 70658 15150 30861 23081 14443
57250 99728 71644 40404 12827 56769 04087 96134 45704 25371
33714 04983 31671 54772 33149 37255 33281 87797 41790 91296
23971 75189 06193 39111 34921 03698 89286 16222 23126 30135
09385 60463 84075 38571 94915 29379 57514 62860 65811 50924
99699 41691 77495 87157 20605 98335 88408 15604 09496 62308
37001 57988 97330 75086 39142 11011 29405 47119 41871 58869
46701 58280 94437 72200 99348 18973 22562 23138 40672 34063
16858 71170 75221 36833 71351 99491 59261 85144 33036 06515
77131 66091 00000 +++++ +++++

11079/9162/7509 kHz, 26-01, 1015/1025/1035 UTC

Null message: 5761 00000 +++++ +++++

11079/9162/7509 kHz, 29-01, 1015/1025/1035 UTC

81621 64098 99284 23610 84204 91999 30021 14998 37387 77710
50424 40623 05333 25419 73310 98912 26924 38305 33390 32540
36118 64060 33652 54084 58962 23719 08249 54198 23208 03472
00319 84488 41457 14159 78192 32292 53785 48120 38417 29529
40770 88105 69025 62832 42871 47914 71508 77128 47095 49463
64906 89861 26879 65973 20474 58060 46140 85951 00344 65408
63419 77659 98633 21538 97057 58762 08434 90704 37355 00841
63110 92050 16624 23450 25358 38640 73105 57422 22451 07445

69665 82087 51119 57480 53204 66116 00492 38267 65743 66657
66540 55821 43097 66466 56473 88343 62082 53708 06500 68806
22204 74122 61412 76621 72747 10245 89428 05582 21219 67359
30716 00251 84074 70882 03052 78008 65666 04856 13048 78921
76353 46244 46377 10629 25707 74716 35448 80449 51753 62607
27944 31869 72188 74740 04699 27616 68504 32803 20308 46506
38956 23954 64942 86246 81327 58366 70787 89376 91402 05375
11548 34552 88113 62931 68456 60337 01275 40041 61227 13713
82854 56882 67384 40476 27726 92283 78405 59718 14820 33252
66128 89576 04627 06247 57834 16445 53989 94867 43476 24822
34112 73666 63461 30000 62731 12752 50441 80762 86389 32889
23547 24303 73733 15770 58499 50523 05797 99149 82032 57925
74181 11530 64083 08266 23100 26090 06156 62171 96188 38529
49328 12898 74053 98535 50318 60419 13475 49551 99057 93036
24204 56519 76202 68701 44301 26319 74030 13219 99941 50552
29142 77548 60640 25390 40432 21361 25809 28149 70735 15065
03616 55304 55615 77468 68053 51602 67711 91275 05177 84986
10093 63602 84432 47003 37053 23703 16027 83388 25782 75084
80267 84515 47359 44209 39808 90393 10493 92960 70750 89903
76461 87076 73525 18962 68673 37712 49497 87297 25297 58349
54230 88528 68400 04215 63351 73224 88019 86414 11949 89653
64621 77953 93440 21879 78368 53842 28861 79919 78649 32478
42482 21642 12289 10468 04733 11081 33901 08118 28333 42815
46794 67730 28592 87459 47892 71942 83799 36882 75086 74255
56661 55598 80477 58971 62692 66289 77922 72697 96535 25155
38345 94634 52123 66469 31232 37816 97615 21052 35758 98487
91072 38360 69982 95822 47780 66875 11544 69164 95180 72482
08300 24958 76324 99522 02342 50596 87812 04212 15831 37332
63134 15103 72088 79469 37359 00300 50367 42009 54116 46082
97767 13936 00789 76652 46705 89343 82878 69683 11396 43574
73457 47349 61768 96566 98662 47537 98267 80600 45159 04919
75970 54620 00518 96576 51448 32331 62433 31862 50836 16247
77736 91186 82514 54891 97118 43422 42869 65320 56529 96603
88547 88176 21157 61616 73663 67437 52958 33565 75373 72066
87648 20500 56275 01747 32112 74201 37058 43880 18156 02696
77841 74043 73543 67433 00000 +++++ +++++ +++++

11079/9162/7509 kHz, 30-01, 1015/1025/1035 UTC

27727 58868 67480 02054 92353 55477 76386 68375 95330 39194
99212 03994 82329 26059 29506 18417 84760 67432 70631 36260
39638 93083 69946 61860 81418 14137 52289 40479 16751 40573
26223 83267 18074 92962 61472 48199 96999 13130 60986 94135
43419 03431 76068 50231 41266 49329 38016 67856 96878 04959
04687 47227 40902 46371 45463 55929 89655 22131 13019 81522
76917 55979 75343 85420 92046 81221 06462 50218 85404 11549
59277 37675 26987 77969 68984 99518 29221 86542 60483 08278
69861 76600 58240 00317 75917 84143 22020 48264 54556 68089
00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

92966 85457 24201 63640 35881 29355 68350 97846 24878 17570
92678 71202 27470 95849 41813 61312 79034 52768 92095 92248
86709 32977 86585 53309 41988 93915 87350 04218 65436 23157
30976 96430 31982 58602 98236 65241 50206 78673 33866 72382
94074 54733 77361 03795 10545 82885 90761 52259 51502 37363
94332 39593 03433 12688 46103 58063 13300 46782 26186 35744
34048 42225 11817 55478 38167 27850 54063 82141 72765 27848
92119 77896 54583 30588 66146 10118 28388 74327 14575 81688
37178 92006 66831 38338 77649 82312 67396 32729 39346 99197
92162 69091 00000 +++++ +++++

11079/9162/7509 kHz, 31-01, 1015/1025/1035 UTC

75550 69472 37592 36404 74785 79533 48639 51883 36097 19241
80798 20149 11557 51077 32107 34494 58132 87394 76895 04434
87727 84374 54352 92295 18892 44295 98597 57329 66110 05785
08698 99524 27650 26744 82055 20323 57861 89647 59617 42412
34899 83876 56343 55786 59788 44807 75350 82268 47775 54312
29205 75677 97903 32383 16767 99820 51744 74550 29044 51511
77231 14794 82489 20793 38526 18624 03169 05561 37859 36034
10258 22752 40277 68993 72279 83326 17243 33192 34545 23184
70017 18697 41214 07242 18765 79230 00429 48835 68316 04748
65941 11638 86534 57002 33701 86295 56214 72784 76799 58949
86446 64529 67245 13839 94406 72967 57991 37182 93479 51523
23645 14504 48675 87129 83323 38617 85260 87161 54055 70430
61563 87170 08204 19778 41861 59106 33318 38451 30310 24712
17877 42636 51853 03785 11332 06920 91026 51988 31922 97076
24620 67903 20666 33803 09126 74001 64991 04605 08903 01232
40429 66011 76005 31914 43805 03311 17611 80616 16387 39991
11975 17704 80391 14079 58873 65261 37328 63554 75435 20056
01580 88046 73345 83247 67684 78969 78310 01517 34742 35320
77764 49309 36392 07294 07724 06886 49786 34930 14749 13853
82014 73960 53931 02872 57399 26048 08860 43235 54109 15616
44498 48986 63534 80441 28903 31285 70840 68205 84733 99692
80159 56189 56481 42075 32850 36306 04362 37805 92247 32641
60802 83949 93374 43716 10462 39139 81014 26628 79731 14793
84611 65289 46639 68404 03418 89923 07100 78554 00337 40023
58459 06359 27894 87953 86252 73024 34771 65389 65126 08206
26352 59762 09860 48855 77699 72926 37415 93240 22419 59215
25968 39834 65835 85072 81845 65749 95924 77465 50306 24410
90439 53248 31117 67158 43653 46665 84839 18462 61187 77198
40787 59433 96326 24923 42574 99327 26286 05576 92200 39726
91852 62516 78612 61072 48842 17774 01668 86272 04814 49355
27457 01018 39475 87018 35898 35544 32212 43688 46566 37507
45191 24699 33675 90644 35459 82066 66159 58939 94493 05956
33790 60955 38620 70554 45268 04033 98755 76517 09220 33039
82903 57191 34046 73354 09834 40785 07556 72785 37405 85699
42319 72090 33937 31170 97684 58809 66101 30448 14392 84073
01743 58675 22719 47102 51088 12662 10104 77050 94764 44738
59175 66923 72076 97884 92131 39211 27970 34312 82404 47959
42131 74688 19546 46956 88645 90202 38271 78711 99666 14635
47611 63928 31518 68653 21084 96151 56686 13485 33849 71278
30118 76183 57773 06617 03277 13661 50335 29191 84396 07674
98324 37960 68349 07960 02258 69660 84596 65700 12456 22946
36630 24509 52720 20513 31366 61121 92544 13904 21906 92981
53797 70421 00000 +++++ +++++ +++++

F01 tests

6957/9425/11611 kHz, 11-01, 1420/1430/1440 UTC

1420 UTC: interruptions of modulation

61059 10905 63778 35036 94837 81255 24656 94416 13088 11182
27316 71197 06108 80366 86145 92276 58178 34088 22008 09504
41200 70292 91508 14765 33923 54205 53466 41091 71214 83690
89780 35758 53283 54020 22886 16279 69432 95365 96966 45253
16037 81477 15137 85002 13463 33005 49760 17921 51589 63877
68100 43493 18639 44181 40497 87908 92990 77992 23248 87206
02671 19581 33374 29900 82207 76430 57485 70003 81537 72511
61900 46415 06647 70251 96233 69577 96641 74629 07619 61367
66930 67837 07769 59138 73206 47945 60058 19868 75918 70008
78803 85336 09921 13055 57948 94279 88980 21387 71324 52448
99840 93638 11683 96522 65520 18020 60681 12802 82537 77200
07024 96627 61751 71243 54919 63458 27496 32062 90070 47544
54716 27799 95364 49140 48763 80602 33463 16190 97564 46203
38464 71414 50844 28754 83848 20759 06073 29361 18868 04116

05855 51739 90590 74276 76418 13439 93766 15035 61986 36069
15728 34402 34206 02575 68476 53840 82808 77779 25188 59484
14736 22253 03277 86262 18862 36928 61248 70869 74532 72914
01495 34523 09110 48333 96244 21448 34115 47828 78840 24012
14688 88568 67534 70467 52021 51206 13996 36221 83480 99202
93706 64582 30081 34973 80447 07920 46019 66293 72042 25162
49940 81382 59574 96588 42632 56129 57227 41842 40834 41879
34582 52096 81842 07223 21310 72330 78609 32227 68091 94629
30015 78549 94916 48463 16000 83864 54973 98873 32257 54043
89706 88508 44149 51530 64431 84442 64565 03339 02091 15720
85381 77125 57344 12557 17226 98758 98184 83143 17230 09834
87246 88975 09460 88563 80024 04670 27706 82487 82164 73174
35325 26437 33027 92340 01824 44185 07707 93774 40862 57233
54698 99905 39376 49157 11395 70225 32495 58964 64555 72619
03954 01885 48253 40732 16676 41047 95551 03306 03222 58467
89290 00000 +++++ +++++

6957/9425/11611 kHz, 16-01, 1420/1430/1440 UTC

1440 UTC:interruptions of modulation

10454 55286 50745 10519 76776 45062 96589 55347 32768 53289
24291 52748 44618 88628 40697 29710 86016 88247 50276 76710
25057 46113 65314 42466 16717 69111 55276 24472 74329 28189
71264 35040 18509 96703 06503 47506 26948 93165 78811 52305
33528 70562 45973 77590 50196 19453 89963 54103 10018 77021
30949 28953 54870 59270 57027 58024 16198 58550 80609 31675
62269 73606 57413 13428 10382 64336 28984 96335 27439 48435
74690 06713 67346 82126 84132 09913 18664 92168 85892 97846
60945 51306 93574 62928 53209 14376 55067 88132 02978 57239
15967 07852 89313 85738 33090 19241 38306 06855 99035 48743
74429 79265 63708 03473 96221 85479 63756 62154 49717 92749
95854 85293 98064 94928 94779 49278 10786 52483 02198 34097
21088 72834 37118 19346 24689 98215 03947 68237 18578 93240
99067 04275 03160 49365 01907 10296 96215 48432 61393 04567
32112 52482 13784 73608 44703 12026 92756 66458 57372 09957
17741 80035 28622 83299 71395 90317 26683 89979 02198 08991
31556 12788 13053 70293 87935 17756 21891 77708 57454 09107
05159 65213 43668 47966 60175 52770 88251 27049 47259 00734
61804 18473 97582 92880 97735 36916 97692 02735 42648 85286
86619 22884 21662 75103 26526 61971 42123 38771 32828 39046
84122 75937 74727 29972 51269 01113 82087 45570 80161 84761
19601 46185 31979 05023 14173 22374 14646 52273 46466 96380
08996 53703 42551 24115 97379 10107 26583 02295 18151 62056
20448 10460 94470 27672 01336 42530 10859 79146 53141 07610
35949 50239 72662 04706 14859 91908 16521 01074 79635 18276
99734 92251 00000 +++++ +++++

F06 – FSK 200/1000

Link 00000

7482/5092/4043 kHz, 06-01, 1700/1720/1720 UTC

9481/7990/5087 kHz, 07-01, 0830/0840/0850 UTC

11100 00000 28741 29081 01699
81097 36603 25640 40591 50339 29835 85008 93993 52794 82496
66170 68663 68395 61518 15082 25905 36265 00472 64426 28222
39398 41753 38265 31348 08590 74953 37653 81068 50282 94860
24402 00764 28031 27531 45164 80610 52269 97854 63048 04385
58059 37075 88931 74795 75519 53679 29676 23292 22623 16106
95420 15285 75028 20708 33141 86712 92674 43408 78675 72889
07774 98480 44387 15582 03944 52901 84657 59244 41116 69699
06410 72346 05959 78754 16827 54743 92446 98466 25471 17014
42322 56752 42983 42713 00086 84781 43553 69464 62234 81917
83346 49848 25429 75278 92074 78001 63265 22371 79898 92886

86351 30222 26851 94154 65377 89455 46964 31542 21850 46748
44300 53741 16202 64099 03051 27683 87944 38356 78913 64163
27561 79432 83929 10761 84826 70651 81956 97968 43240 59657
36979 49493 15258 53335 81436 92649 38012 15164 96762 29789
74215 88452 23310 56702 47912 93895 41869 38931 69795 74877
93945 81929 31757 88969 33000 56006 75359 69059 23834 61995
63925 02542 32302 48583 12929 02016 72549 81167 00000

7482/5092/4043 kHz, 13-01, 1700/1720/1720 UTC

9481/7990/5087 kHz, 14-01, 0830/0840/0850 UTC

11100 00000 89561 12082 02059
49671 03323 10112 75527 78923 97326 20722 40797 12750 35795
19412 64332 72550 03924 98157 10971 82297 95471 70255 44723
24703 12359 62083 56348 22883 91716 42081 76975 52187 83805
04111 63694 11899 29261 47412 68051 11485 09082 20323 23398
51082 65820 19949 12026 00909 19394 64991 98018 09293 25965
83896 36770 93996 53326 85530 97095 96532 71229 04558 56882
04159 80085 38715 58204 69223 26489 20167 32861 80579 78990
88132 34253 66723 62568 54971 36544 35365 75216 82903 87047
79109 35115 13576 22778 01940 31787 17636 87089 46192 79714
56520 07357 24698 97815 73636 19631 87795 63256 57121 51196
79896 12998 41377 96983 65277 91551 39556 50765 27812 68352
24199 77070 74303 73202 98196 34766 96130 23218 23278 88228
68869 39716 98199 67060 94602 78488 03834 60268 16579 21875
57338 55857 60937 06111 42591 61773 85159 82349 09091 69131
37952 34825 56491 43660 60243 04571 46976 56314 81974 92155
12651 88979 94387 37845 50140 76215 02484 02657 19578 68970
87346 98719 90187 31205 33015 42399 99624 05367 97596 28602
19276 07646 33305 49718 42707 38954 85110 07627 39443 22569
22693 92202 41261 04368 85379 24772 53198 76605 44765 89937
06452 11155 14686 04228 95356 13167 63256 94995 65639 31073
06630 88011 46125 82203 00000

7482/5092/4043 kHz, 20-01, 1700/1720/1720 UTC

9481/7990/5087 kHz, 21-01, 0830/0840/0850 UTC

11100 00000 63248 19083 02239
01163 20357 88835 65184 98752 60996 45629 67797 58471 59935
77485 90143 71745 65193 53980 02435 76342 74086 79040 86103
63375 36972 53465 65137 27757 78296 23868 69550 79304 20850
47733 79422 56673 24192 29279 22938 11309 73169 05797 26871
53611 77469 89178 42941 78488 68148 92301 98494 12494 02071
94962 44936 49732 10189 29056 02351 68727 50617 87668 23754
47426 52425 87798 27412 18541 61088 41368 70664 32412 21538
14226 63682 19571 59749 77825 46620 70204 48800 83264 78563
72696 70335 12385 11752 78444 07387 85592 49475 85125 29475
31126 11109 55616 55929 45416 52717 14734 08375 99262 16649
91006 88315 69490 08592 95645 40748 00787 25484 55913 89752
27395 82767 45074 56993 09369 14370 76110 99063 63055 43899
51403 24623 90508 50450 85553 77247 37518 77491 43530 94947
34931 58245 61347 82280 02974 56018 41442 56000 23235 42901
39951 50174 08029 65292 88060 91718 21792 69673 14642 82276
34233 87075 62323 47377 09896 99674 14227 38829 63847 37953
73520 01262 38157 81866 63001 38771 78871 64448 36880 42602
18158 01299 21961 65794 91316 94387 30406 55751 43344 83605
11264 80645 04729 44520 32962 10617 41178 55744 13939 39686
06960 84384 43609 59337 56535 62987 60849 19690 94194 56427
82190 39213 66352 42170 96902 48906 26222 52365 71167 81889
25526 51175 28512 44355 12959 45810 98705 28781 44062 54680
52304 83221 00000

7482/5092/4043 kHz, 27-01, 1700/1720/1720 UTC

9481/7990/5087 kHz, 28-01, 0830/0840/0850 UTC

11100 00000 35741 26084 02379
51165 16098 30517 35227 65912 00355 29331 41457 80418 02445
51538 31083 20621 59445 94504 25877 45076 87550 31271 26365
08040 91222 25044 28049 59367 56424 64104 39692 54656 95116
53060 83330 74098 33218 21385 80726 73438 59209 35180 55917
15522 75562 23097 08579 55827 20200 52355 37868 80453 50151
15796 21449 19979 04611 15913 79375 87639 89576 56784 77530
15258 51253 79863 50295 85370 30418 04544 47156 82975 14933
59453 32914 15354 32577 15411 96197 73388 51415 55970 45973
32828 79860 46512 00713 18933 83635 87797 99945 82929 61820
64940 92844 63724 49159 27720 83558 33311 36836 63185 37970
49296 28890 46476 81563 63007 76455 80811 43098 56591 57036
62566 23764 07557 90973 32392 96517 04205 12319 98304 65284
60361 36277 41685 38698 02877 90432 42125 98098 30309 01923
82062 64435 66235 57757 17134 93799 55639 80475 23193 56249
77787 86316 55919 77624 74062 18098 83970 49037 14161 69993
81600 33728 49122 46383 91692 25968 24597 21987 95135 41705
52817 95439 49225 96824 59721 98795 13541 70552 81795 43949
98011 00435 98391 33825 46368 46752 65827 16153 13344 06257
26232 31305 48415 46427 92461 95885 71201 23342 09829 36044
85373 94981 41351 07464 47349 08449 22625 63495 75712 90813
34771 13621 12287 98248 68879 39441 70816 03157 80399 60369
34173 23975 56908 66212 86041 27345 47691 58844 88012 57323
28581 70143 38022 71343 00489 48384 71079 87594 45059 30283
88217 73517 85895 40865 24599 84235 00000

Link 00000 test transmissions

Message serial numbers loosely follow each other, there were more transmissions that were not logged. Most of these are known test frequency cycles. Many transmissions also showed issues of some sorts. (PY)

6957/9425/11611 kHz, 05-01, 1110/1120/1130 UTC Undecodable

5089/7337/9481 kHz, 05-01, 1220/1210/1220 UTC Undecodable

5913/7992/10687 kHz, 05-01, 1250/1300/1310 UTC

1250 and 1300 UTC: undecodable

11100 00000 13489 05096 02539
77791 73137 49148 12345 45168 34978 76412 82936 24451 62159
54721 29370 45410 82698 95039 13491 50842 94842 84857 29081
66273 84292 18097 47770 34981 68101 58308 53795 85546 01155
14865 43700 24104 06200 36825 14418 68496 13339 54165 88164
66501 19933 21057 47592 65334 06861 40887 79626 24607 72053
77699 51442 89926 67256 83756 66995 69332 48953 97892 77566
79750 79381 94363 44743 55652 38592 86868 79277 37112 33471
17434 04270 79441 14680 84851 16094 51601 37440 92351 41525
15560 27103 19206 14486 03807 35442 45936 20871 37190 98606
87833 84864 50276 32671 16461 95203 16420 27722 73825 94822
89723 26416 08930 82313 06083 97948 91354 98633 10497 43368
81599 97512 02841 93181 62830 22985 19281 83173 63754 42490
91520 19393 27291 08976 51065 68237 04728 50440 70700 32562
80058 10359 60353 99779 54178 87422 59547 72852 43632 48031
93619 20142 73607 09980 85898 05043 69839 20775 43024 81336
79142 79009 55602 65208 73233 72253 81374 19857 15550 29876
03102 13648 95740 14252 78333 37729 61516 98781 23269 94066
02561 06167 97881 89818 66167 05380 84496 99001 09315 90752
77027 77380 16844 91646 23027 41506 40444 86110 85770 47870
38123 16994 18542 33076 18857 33931 68310 00996 22095 09641
50997 67829 86827 03988 65506 01019 89881 74227 38712 12939
58147 54880 18593 95315 84414 55681 57698 05309 01518 51022
54134 39179 94456 59340 42253 54506 55205 35887 50242 26869

09876 27313 66791 51940 72935 61500 84031 28926 08166 71099
08932 86292 01041 74179 60334 35717 72224 60458 93832 65195
86862 96251 00000

5089/7337/9481 kHz, 1250/1300/1310 UTC

1250 and 1300 UTC: interruptions of modulation

11100 00000 86491 09098 02829
02234 35080 90566 45788 43371 26395 80658 90668 74159 83644
40365 41180 09950 95468 47345 32858 39634 37359 09206 29493
85942 16889 08416 41455 65837 19434 49665 56231 11946 59072
33100 98353 40955 64341 01876 60919 79930 53552 37461 75860
86474 79337 01141 15196 23670 47127 45137 40403 75749 37236
41805 42144 15422 85256 04331 37493 58798 00433 97367 16882
68853 26715 61055 57936 93358 76177 96852 48393 48225 89484
88624 85292 82195 03098 57423 42618 83820 27906 73394 24590
16656 68973 73252 46785 93622 41080 56758 12281 26467 59760
60638 75001 11247 12510 33386 07459 35800 39861 59371 15084
20118 81004 05717 64313 25569 63651 90350 16648 93903 42823
94701 85845 01987 18251 69452 60445 43189 85078 06799 58825
71371 97550 77648 08946 68410 50380 57207 70006 21197 07481
87369 38174 19035 32738 49370 03585 07402 02539 45126 50799
58985 04707 10708 19909 47943 53562 10374 70466 38327 75783
84614 15443 22600 46750 50631 17385 71192 82062 78700 63974
79028 13936 92846 65163 19962 07127 69281 39081 45065 94114
31016 78897 85694 34199 62123 17834 47286 26214 90047 34502
04807 29542 09434 65764 35806 73117 45884 19301 52002 57104
83105 03072 15338 76938 01866 13862 49451 24420 04206 52088
82492 45543 21347 55079 82222 59755 28720 65984 69338 70325
16567 80517 19959 20512 89543 38732 93203 75226 93765 53987
44811 32867 94727 96319 12730 97014 54549 72390 85614 62682
81963 69206 90178 96803 53508 53797 58321 17643 29334 46037
59986 02826 12087 06793 12678 80661 22296 08603 03568 84460
88696 81052 85154 74524 76933 48050 30371 57501 05085 99184
58127 57790 19439 62346 65182 20685 28954 69814 25308 51940
21863 34982 41680 23460 12827 81918 63419 99774 94104 94942
98280 00000

5913/7992/10687 kHz, 09-01, 1450/1505/1520 UTC

File 04499 (2627 bytes), interruptions of modulation

6957/9425/11611 kHz, 16-01, 0830/0840/0850 UTC

0850 UTC: interruptions of modulation

11100 00000 75321 16003 02529
38058 75927 28190 74616 09972 16167 85764 09516 45278 25164
35173 89104 58212 26029 26602 12541 60659 33622 86583 48591
51987 97498 01434 96582 42578 13296 42978 58786 34487 19782
22504 53911 07667 23719 83864 26404 85191 19763 71691 31226
75933 97552 35631 98817 18106 53212 56564 09922 72131 47419
05726 34953 36257 77250 72683 17615 83368 53988 23090 07436
42430 04059 72163 70919 72985 35316 84831 35996 06169 35837
38467 49466 50661 97426 09161 52111 87010 81017 67469 01179
98788 66151 94567 94907 13983 51726 54757 78798 55090 00212
85250 38307 21342 42492 89185 07652 51482 85558 42795 49424
40567 90207 52680 84681 09193 10956 24110 78220 48606 15342
26298 08714 90132 24817 65596 78395 72360 44399 02524 41986
04508 73291 73589 59540 49431 13634 03832 02917 74688 19600
21027 70534 45113 54004 07485 90132 55327 44621 50386 14193
25633 57392 76592 37738 09725 28726 82862 93167 87645 24057
97417 01843 42448 14866 33797 87092 43972 91348 22926 78331
88196 52907 34356 60984 65594 43671 22592 51890 56921 25218
59463 04891 79896 03691 38458 76276 35189 53501 61978 04787
25160 04797 47434 85846 43802 86886 13127 44728 61299 44814
29854 38328 51663 71259 49177 40243 36862 20963 44281 88838

45897 99852 24376 02986 12264 46070 08563 95166 58212 45078
70120 36631 39285 46031 87131 54289 47521 71615 60395 64029
96812 38519 84565 70149 38807 30747 83448 85594 82829 92946
45391 52675 18240 35945 19720 68964 62662 71677 60134 48058
84545 19703 26025 69889 73465 52485 77629 00273 56622 71629
03250 00000

11100 00000 95123 16004 01529
19522 45104 82410 07632 10818 55221 60066 25712 22372 79615
19346 29625 84495 27918 73798 89145 31189 70792 55041 28842
92691 71426 13951 52779 12737 40554 39528 57596 07704 00954
25127 82403 09841 72351 36737 68935 61775 12675 62997 30388
54465 76593 51644 52392 25803 77279 62068 74548 62051 62328
88671 25969 69296 39780 34712 13261 07107 15173 41332 84385
01591 25569 01436 16835 80035 81492 13132 03567 94309 52717
52404 35124 25231 58831 69716 01389 85072 50534 40218 61398
60405 92587 22269 54668 62456 84368 03932 52457 77178 78952
42160 72407 32209 86669 24331 05002 22915 74078 06846 25282
64707 94280 10454 88245 63808 09520 77015 31387 23669 92005
17366 32788 29216 13903 04990 98229 76115 62406 95180 75727
37248 40863 74372 20966 83578 41860 69338 62029 01602 03222
70942 36901 74566 82861 52124 02145 19647 13413 84809 36223
98270 22582 85442 85875 41763 30167 43807 29002 59528 57670
04150 00000

20163 kHz, 16-01, 1130 UTC

Unconfirmed, fullday only

18284 kHz, 16-01, 1140 UTC

Apparently 1 msg, 131 blocks

This one stands out: higher frequencies, signal too weak to recover, and apparently not part of the same series of messages. (PY)

5089/7337/9481 kHz, 16-01, 1200/1210/1220 UTC

1210 UTC: interruptions of modulation and signal

11100 00000 12356 16005 02539
46070 01524 24571 02117 93515 54444 31589 69119 87211 11917
41957 26116 48652 54834 02202 91061 69253 23451 04483 54233
22746 73112 34006 59013 87824 81258 72772 64403 79494 97881
20617 93968 12534 56626 19471 00899 45540 88726 91784 03863
78962 06956 29045 73356 05590 51793 91329 73225 36907 16974
03837 87049 53778 96628 61319 84079 54873 21192 76372 04410
01291 74264 32501 68083 80812 07622 27914 37802 40222 96554
20978 89938 59122 02731 13265 73546 63702 36760 31142 62031
03880 37657 91824 27195 42259 11385 64850 90331 28341 95667
64892 30051 56434 43263 36859 51544 30680 40873 19223 46945
85655 05894 96499 01508 35979 28183 76832 25259 53350 49028
55609 14839 94475 94520 51051 75194 28310 05503 22712 55833
36050 31285 08827 81304 82315 79328 43445 80616 80970 38058
39284 45260 03997 15025 47244 70538 06885 57568 28525 59876
68953 48206 00268 96820 72060 91900 40684 14386 66120 37418
64579 16463 94880 99956 05236 30962 80387 77223 63575 99380
89582 76167 10546 32490 31464 92536 53668 86813 58252 10456
03680 41598 68996 14213 02214 80964 39064 29440 96452 10919
23939 35878 71689 65907 10779 18905 77738 84623 16164 52024
10128 59729 53476 27503 32020 91191 18337 77335 47791 97928
65557 51724 64200 67430 76026 47279 00108 48068 36979 02100
30651 13755 84077 99943 76844 55670 78751 50667 76518 80707
19224 39118 97542 21365 08675 59679 79280 86732 28960 78635
13194 09291 93339 91567 98551 67197 76651 67951 34170 86741
46358 00150 32132 54670 42911 98986 64406 95063 82867 03093
78320 05251 00000

11100 00000 65321 16006 02539
61621 79900 37728 65095 48464 99956 65554 33654 96904 62877
46150 78614 91666 86790 17695 03539 88920 19318 27150 62548
30825 04043 31377 09655 10953 01382 70228 07961 39029 06034

22547 53408 78428 28200 81008 92763 54855 30759 06764 40532
59663 39590 49785 24486 96230 69223 45885 14487 42850 31014
26331 14303 30552 16024 00991 21104 59306 69791 00955 82307
01051 01193 91566 04490 62959 92560 91801 94029 09414 03275
60931 34173 66094 83984 38410 28218 54647 43670 47919 63499
31344 36719 01516 75856 28195 62217 64807 19284 19931 92620
69106 70439 65306 74028 81494 22708 96159 65205 68728 49497
52653 07578 15936 41468 88159 43363 86036 47367 92195 24035
30816 73172 04877 76314 89604 19218 21301 17853 36484 59994
09317 39827 61976 96321 89109 98602 00131 34563 48035 83673
36970 72581 89152 54058 61217 97120 36881 60339 43238 22301
48221 94535 53157 23914 02989 34991 54062 49207 71479 78477
31245 06845 83019 76681 43418 66727 43834 19287 06837 24371
77657 30811 48275 09511 87552 73415 87778 43650 62344 72842
37150 76201 76128 09700 25086 53943 54279 43256 84915 03461
04400 59946 65874 31259 35656 63767 53850 71245 14916 50766
12540 34255 33157 34782 80949 39325 80553 16663 88186 31384
53697 14111 71472 15061 43386 94368 08310 59293 76412 76926
98753 52424 09798 98428 58719 12474 00904 56981 10254 82274
01857 78038 79726 64157 51730 69060 39864 73878 64922 55127
56570 18466 39151 12697 26466 27687 31524 43697 16097 93809
76114 57133 38729 99357 41470 50408 29689 37536 51506 07531
06169 06251 00000

5089/7337/9481 kHz, 1415/1425/1435 UTC
1425 and 1435 UTC: interruptions of modulation

11100 00000 54861 22012 02569
61539 41587 02328 97448 99588 15248 04812 66220 52454 60861
20451 88023 08334 18602 21082 51908 36755 32571 84519 08439
73046 66884 43717 59270 84929 32397 89153 12830 69685 66262
35379 60796 55314 31510 87664 55073 04149 28837 69672 89938
42334 37781 98118 19054 63637 29489 15327 62022 80997 18243
15641 80191 24277 43956 26622 26381 07637 02800 30964 98215
14981 68174 40073 49767 76901 69190 55240 41184 37570 18862
77356 30992 35000 09196 51091 40762 43136 15356 54490 46828
49190 76104 69914 78741 64666 42696 97264 29155 93524 13419
95436 04816 05902 95963 62922 73361 90841 64819 93521 85604
86461 05867 68084 77991 11005 65375 68222 84924 43205 45575
22936 15641 25402 14003 24085 75315 87853 18805 71649 35110
17677 27180 34706 80812 20853 29159 39070 94798 50733 73903
17535 50968 01495 30709 83641 27359 89966 91903 14930 66128
74280 59831 56587 35586 82764 85102 81461 73955 51541 48297
67341 19574 94242 02325 77470 57198 52302 17602 55223 35112
99241 97260 68868 32721 97403 54557 67375 83330 30565 69677
33193 81773 60862 68123 42935 31602 83474 87874 71915 11513
77494 27497 03469 65690 76432 92403 28993 47780 06782 81445
49651 73145 68092 81021 15675 59124 52984 58894 64194 57955
30540 74903 41555 12072 41512 50761 21027 86442 78788 66108
51878 57653 51542 73043 00724 64413 56519 46283 71096 49176
04884 11157 12186 45557 78073 16628 52668 91247 11095 45513
20573 71093 26696 79104 35120 20048 68854 58365 81476 40669
09026 08902 04347 14856 23573 21888 81358 14511 65837 08139
62166 40817 81263 67513 12254 00000

4482 kHz, 23-01, 1835 UTC i.p. ended at 1836z

10169/9328/8024 kHz, 27-01, 0700/0715/0730 UTC
File 40426 (2554 bytes)

Link 10053

10651/8189/7457 kHz, 02-01, 1650/1700/1710 UTC
11166 10053 78451 02001 00049 00000 00000 00000 00000

10651/8189/7457 kHz, 09-01, 1650/1700/1710 UTC
11166 10053 13467 09001 00049 00000 00000 00000 00000

10651/8189/7457 kHz, 16-01, 1650/1700/1710 UTC
11166 10053 46290 16001 00049 00000 00000 00000 00000

10651/8189/7457 kHz, 23-01, 1650/1700/1710 UTC
11166 10053 75321 23001 00049 00000 00000 00000 00000

10651/8189/7457 kHz, 30-01, 1650/1700/1710 UTC
11166 10053 16493 30001 00049 00000 00000 00000 00000

11525/10437/8137 kHz, 07-01, 1530/1540/1550 UTC
11166 10053 18642 07001 00049 00000 00000 00000 00000

11525/10437/8137 kHz, 14-01, 1530/1540/1550 UTC
11166 10053 12367 14001 00049 00000 00000 00000 00000

11525/10437/8137 kHz, 21-01, 1530/1540/1550 UTC
11166 10053 13467 21001 00049 00000 00000 00000 00000

11525/10437/8137 kHz, 28-01, 1530/1540/1550 UTC
11166 10053 14786 28001 00049 00000 00000 00000 00000

Link 10075

No transmissions found

8135/6943 kHz, 10-01, 1310/1320 UTC
11166 10075 36251 10069 00049 00000 00000 00000 00000

10279/8135/6943 kHz, 17-01, 1300/1310/1320 UTC
11166 10075 12547 17069 00049 00000 00000 00000 00000

10279/8135/6943 kHz, 24-01, 1300/1310/1320 UTC
11166 10075 13467 24001 00049 00000 00000 00000 00000

10279/8135/6943 kHz, 31-01, 1300/1310/1320 UTC
11166 10075 14758 31008 00049 00000 00000 00000 00000

Link 30077

9073/7565/6787 kHz, 24-01, 1400/1410/1420 UTC
11166 30077 13467 24001 00049 00000 00000 00000 00000

9073/7565/6787 kHz, 31-01, 1400/1410/1420 UTC
11166 30077 47965 31002 00049 00000 00000 00000 00000

30077 is a new ID, at least, it has never been reported before

Link 30154

11585/8165/6796 kHz, 02-01, 1230/1240/1250 UTC
11166 30154 54327 02048 00049 00000 00000 00000 00000

11582/8165/6796 kHz, 09-01, 1230/1240/1250 UTC

11166 30154 52148 09205 00049 00000 00000 00000 00000

11585/8165/6796 kHz, 16-01, 1230/1240/1250 UTC

11166 30154 13579 33016 00049 00000 00000 00000 00000

That's the 33rd of the month in the date field: it might have been mistakenly swapped with the message serial number field which contains 16. (PY)

11585/8165/6796 kHz, 23-01, 1230/1240/1250 UTC

11166 30154 35798 23565 00049 00000 00000 00000 00000

11585/8165/6796 kHz, 30-01, 1230/1240/1250 UTC

11166 30154 16349 30001 00049 00000 00000 00000 00000

Link 40023

23877/19935/17523 kHz, 10-01, 1015/1030/1045 UTC

11166 40023 74691 10001 00049 00000 00000 00000 00000

23877/19935/17523 kHz, 24-01, 1015/1030/1045 UTC

11166 40023 13467 24001 00049 00000 00000 00000 00000

Link 40122

20154/18304/16156 kHz, 03-01/04-01, 0600/0610/0620 UTC

11166 40122 90147 30090 03269
00465 86368 29529 87493 82885 86438 55938 80987 13352 32554
49478 33714 53189 68132 86197 95715 76608 59227 46336 93071
13402 26747 69179 70913 07749 59243 10741 50591 47827 79699
71465 36947 45904 64767 86142 36616 73612 39873 93210 73306
82086 98647 25643 10987 61646 20108 90607 20918 20722 82027
30079 53475 88706 93942 79597 00691 72416 98214 67359 60456
20860 12609 20827 38326 77984 12800 73048 47847 28109 78271
85865 95372 63717 50020 32207 60278 30294 73522 04658 06529
27912 25382 42473 86528 74235 47119 94244 23197 58641 34520
58399 81201 42138 55984 68715 63291 82777 98323 17043 92660
91236 63437 30424 67290 46268 64297 44794 97200 24696 93695
42448 60542 25655 64180 45468 39485 93754 42615 82298 21819
70852 27815 69641 79220 31132 44677 76884 58119 79168 53260
65231 44090 15669 96236 18721 85728 00577 33164 09338 88929
68228 35012 63388 17519 74242 37376 21329 61161 78845 75826
08249 56504 96296 51817 57175 72469 65125 02602 52403 95648
18854 73594 85032 76732 61890 16600 37900 23916 80293 62371
42087 54203 42080 40915 72204 38577 66778 47984 72630 01936
68898 81214 31898 63766 05027 94307 47404 30468 79212 42734
47650 75281 86342 19372 64180 66749 98200 03519 70422 31645
21881 71731 29601 63321 85253 43911 18932 11401 29176 63083
22261 13749 11119 32302 08361 56676 49914 57130 37046 74296
66300 67113 60320 22983 98956 14701 10719 91860 00711 75046
94057 35271 44613 95117 28753 38147 94561 65572 98919 50236
20165 13812 13421 50105 60523 41674 88063 24873 66638 56189
93128 76600 77110 66838 33417 91278 06830 47754 53003 31352
53342 88299 81888 37712 50577 80467 66727 52106 24632 16529
52830 95890 31285 95372 09624 66068 79941 60979 16748 34553
73693 21455 52994 61585 20176 22075 55260 59259 92909 70764
39705 66070 47832 39459 02313 18447 24675 89781 41022 30185
87902 96476 66637 15735 86889 67031 94694 18269 40016 80927
35464 28479 72386 96956 24296 05021 61840 02049 59478 32576
72955 00030 39805 78425 90324 00000

20154/18304/16156 kHz, 10-01/11-01, 0600/0610/0620 UTC

11166 40122 43769 06091 03029
01175 54787 53196 99826 45182 54402 44755 03084 78929 61120
56973 56107 57646 17367 14491 09730 44101 82267 06705 32315
79357 43918 10478 72024 98432 23485 36976 86419 72805 71694
81514 35452 94100 81016 53190 73372 52401 70980 70239 69260
57628 88833 32048 10851 77430 92707 03770 71345 90004 09505
74472 43907 75303 84664 74758 73515 93055 66028 64794 40867
21043 88956 28693 78023 52062 54920 36176 20477 73026 20719
57457 25334 74623 40548 42294 10300 64981 28073 99129 93149
85777 30719 35270 36372 54223 33345 44042 26685 79367 33515
49848 44092 26151 55520 47084 00188 25658 95377 93825 50375
54988 13956 46255 09714 35204 20446 44731 27050 20774 13344
87471 97151 78965 71142 52758 15507 82607 09919 55622 05493
64678 50004 49939 72594 08139 58921 11869 65358 69466 62777
65581 47774 59309 43308 37205 12770 28714 62745 47940 91509
34349 83712 82260 38174 81179 76318 92156 94922 66012 29656
23353 66716 70363 09870 74428 60690 76075 32009 24794 69765
02128 37820 92444 05189 86075 96700 07446 07683 58559 71973
12066 91896 84305 19684 23524 03850 68089 12106 20252 96043
49053 03140 37651 49942 31860 77796 84241 00504 28094 52944
14167 42447 06345 21519 16984 22949 74435 57375 10674 50445
42207 22973 48814 74246 38309 47077 77849 14627 79428 64672
05391 48104 15409 36268 65499 77569 98667 88781 91867 41974
51388 45202 34858 45259 28882 35199 83325 09198 02599 03884
77150 79865 11190 60896 21455 42402 53083 37022 38390 23764
18995 40501 17483 88154 87821 30247 50437 54811 34349 48135
61355 92854 22216 77569 68302 72864 80567 20500 37161 79888
87837 10090 13701 17561 11100 01211 44818 58022 74419 05961
24861 17333 54647 66386 28001 61053 28096 81599 12572 69692
16527 31480 08318 18708 05897 64144 22493 52743 36291 39371
25744 58789 86488 45171 03711 67962 01593 29695 85298 40577
91300 00000

11166 40122 12769 06092 02639
37166 15650 83537 14219 18306 89433 09978 19476 37098 82157
48569 93050 36889 84750 99930 42911 56813 64339 31990 45185
35006 74075 97889 77479 93949 73617 07129 18314 56387 02440
60854 67350 65239 73156 87259 66117 05956 77064 38013 23907
54757 19068 31659 78534 01186 24196 54932 46652 18411 82877
57913 43292 79726 27190 03979 75351 44680 55232 60465 38672
63264 45849 41002 73435 71612 30861 35429 57537 77642 17009
88264 42645 60065 74789 11636 62608 29229 36374 43622 68932
23196 69797 87945 72981 37531 21601 95948 99608 12204 45128
76795 81904 24066 56639 46824 51740 58326 86456 54010 05803
57475 17313 38455 51801 71077 27093 14853 64546 54891 78158
87862 06568 92738 20446 36332 92980 39560 00512 27306 05270
09107 93734 45754 83693 54699 01840 50965 52986 16482 82948
95530 61045 33625 06333 67870 35299 44908 49061 44229 86434
26112 76734 61080 14183 37671 75485 43882 94828 81014 27433
53115 55162 87036 46789 33541 62532 85131 18791 77631 85705
26241 08655 39078 06214 58326 32738 57355 84873 77738 09091
79242 13175 04890 29600 88262 04218 57688 20891 77966 02881
21161 86191 30004 19931 36702 45346 82917 19727 59395 15148
02592 16244 56830 97205 90305 57066 47875 65509 89321 00074
04809 70890 75936 12479 67286 04564 45959 46923 41548 87947
32517 74301 83327 80925 16165 78027 87878 25768 13207 39396
35581 68875 53177 68757 66539 27544 81427 62174 82630 93943
47740 88259 00425 93480 66917 34871 03427 39750 62282 70362
67069 53256 28029 99069 54902 36086 71350 15722 09400 19734
20295 88471 85846 28253 08283 25218 02720 23925 71220 02924
07014 92261 00000

20154/18304/16156 kHz, 17-01, 0600/0610/0620 UTC
11166 40122 12547 17069 00049 00000 00000 00000 00000

20154/18304/16156 kHz, 24-01, 0600/0610/0620 UTC Not heard
20154/18304/16156 kHz, 25-01, 0600/0610/0620 UTC Not heard

20154/18304/16156 kHz, 30-01, 0600/0610/0620 UTC Not heard

Link 60070

10177/9331/7959 kHz, 09-01, 0030/0040/0050 UTC
11166 60070 75321 09001 00049 00000 00000 00000 00000

10177/9331/7959 kHz, 23-01, 0030/0040/0050 UTC
11166 60070 17935 23001 00049 00000 00000 00000 00000

10177/9331/7959 kHz, 30-01, 0030/0040/0050 UTC
11166 60070 12457 30001 00049 00000 00000 00000 00000

Link 60081

No transmissions found

9377/6945 kHz, 10-01, 1310/1320 UTC
11166 60081 98745 10069 00049 00000 00000 00000 00000

10639/9377/6945 kHz, 17-01, 1300/1310/1320 UTC
11166 60081 12587 17069 00049 00000 00000 00000 00000

10639/9377/6945 kHz, 24-01, 1300/1310/1320 UTC
11166 60081 54213 24001 00049 00000 00000 00000 00000

10639/9377/6945 kHz, 31-01, 1300/1310/1320 UTC
11166 60081 18930 31001 00049 00000 00000 00000 00000

Link 70059

6925/5235/4528 kHz, 01-01, 0500/0510/0520 UTC
11166 70059 43197 01001 00049 00000 00000 00000 00000

6925/5235/4528 kHz, 15-01, 0500/0510/0520 UTC
11166 70059 12356 15001 00049 00000 00000 00000 00000

Link 70202

10294/8068/6769 kHz, 01-01, 0700/0715/0730 UTC File 44406 (binary contents)
10158/8023/6796 kHz, 01-01, 1200/1215/1230 UTC File 44406 (binary contents)

10294/8068/6769 kHz, 02-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 02-01, 1200/1210/1220 UTC
11166 70202 96418 29007 01639
82771 04892 89865 41604 34654 96819 42850 27045 33486 94341
73339 24259 95251 40926 91427 22462 34755 29225 28511 94338
68913 86269 07037 63518 47872 97835 06042 51050 81154 07893
02195 99325 51004 54102 90998 96874 30130 25279 17869 52485
46032 51763 73752 92064 59093 64652 34995 76708 46634 84797
52125 65384 10106 27540 17258 70686 47622 34103 64792 81101
59003 65572 85108 48202 75530 20428 55926 62231 31600 61535
21041 64498 20447 63552 71098 70026 01154 16682 06116 98897
49101 47712 84425 39721 67076 44279 87731 93670 99202 93285
56969 72522 14895 69419 78649 49145 55021 34715 26384 83852
57459 35072 87267 75084 04230 04696 27817 07839 57408 14386

79142 98294 75984 24599 46053 58061 30876 29248 69764 26499
60265 01153 98917 44540 32458 75087 48578 68452 08457 29373
51920 46979 21416 51929 34261 10305 15189 01745 64159 44259
09142 01697 61241 48226 81421 23647 65463 00177 87870 51770
97474 77267 58777 35036 64794 05443 40638 64790 93466 36481
75132 07161 00000

11166 70202 13467 29008 01739
77188 38403 11331 52345 74873 77646 81450 71584 09867 24637
66676 99757 14377 32493 67923 93075 02634 13249 24834 22096
64113 72763 34060 81870 08044 01973 49283 10793 51359 85429
67652 41562 67305 13063 32347 32725 36871 06103 05932 54215
70242 93095 94206 25333 90465 96961 25226 28612 96502 19022
13184 47988 47863 30934 61852 04740 38020 10479 87256 89606
48767 82126 64270 14539 02729 48335 26835 32520 56202 22501
76473 98887 99517 99506 78789 72592 57102 24809 52647 80848
04446 47999 81715 95584 44142 71768 03058 95162 08204 32224
52465 09776 78829 71493 71209 73986 44822 88544 03916 34825
35835 79173 42234 88889 01635 01086 93994 46894 28579 25008
82546 49091 10485 57786 05953 80011 16073 48378 10741 55958
20194 12705 59888 83690 90998 38283 99736 13741 50265 54575
55519 36795 49047 80014 10182 96573 25849 81608 46207 17660
39505 08093 55097 71706 93952 82549 44233 30455 97089 65439
95775 79008 20900 23980 57315 87802 55036 68811 68933 66700
71044 43878 56388 49648 39430 80480 45102 83351 66728 51416
74624 08171 00000

10294/8068/6769 kHz, 03-01, 0700/0715/0730 UTC File 44409 (binary contents)
10158/8023/6796 kHz, 03-01, 1200/1215/1230 UTC File 44409 (binary contents)

10294/8068/6769 kHz, 04-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 04-01, 1200/1210/1220 UTC

11166 70202 95137 29010 01619
23107 26069 91098 13748 71570 93831 47272 32112 04281 28918
15825 17723 32805 05058 19871 33494 83413 87069 25862 98478
60327 15866 12357 50459 52431 10739 25211 40665 00619 74876
48887 09064 67985 15029 48565 13651 80025 11282 62732 12180
27046 97859 50962 19773 45970 40902 26546 90854 23728 24152
28681 98825 89409 78490 13894 11938 87383 16255 71391 88799
48550 56284 92023 41939 01938 50622 45549 42880 93806 48814
45888 67152 06471 60746 09050 02686 94009 03955 33422 70018
77058 46339 57120 27760 63874 80233 72061 61745 89854 88756
99475 81315 92703 90382 56520 71172 65428 72680 68709 72225
54354 51142 07813 89890 94350 14052 59947 53264 98445 39320
53523 73609 44029 94243 01744 75603 22820 54092 39338 99770
46794 00498 58230 99548 27256 85557 71810 81417 69237 72599
62514 61536 48426 89544 92388 37316 62792 55808 81328 97375
76111 68666 82687 18315 95574 60040 10927 21736 50659 59623
01014 89965 65467 25295 04235 63895 41696 26757 50136 10159
00000

11166 70202 25847 29011 02119
87448 94597 18453 52120 86695 87070 33010 40854 84996 26234
39669 91158 35524 43742 00681 09187 18544 63358 22051 35879
68312 79200 63491 90479 59451 31337 35196 48147 63724 33451
54862 18830 13170 32225 63409 19596 30511 03169 22821 57614
12794 12543 44563 65961 79183 00100 21992 59450 18861 62298
65219 02667 99949 40707 61840 07403 25417 45259 11994 01662
46889 67070 11164 37449 72310 60479 79176 29505 28385 99033
58832 42190 63751 35069 32593 66702 03803 17606 30785 55810
93118 48221 29730 08294 86421 79606 63268 20285 74010 86481
96092 45684 52609 63565 32332 32847 77551 30276 57832 29735
57259 46870 39566 74697 75944 71681 30604 15099 55464 14169

54097 20959 92280 63449 64690 85802 30449 97009 10830 31897
56587 99278 46367 62085 27748 44750 64937 25374 68139 25344
55516 88486 95636 26697 02608 30562 64009 83060 79500 03178
31812 65507 08030 22903 93872 83116 83273 88550 36318 01841
86639 40323 01065 10739 35753 03052 70730 90251 44613 80689
09883 62222 92431 94273 23584 26341 24606 80523 19144 12701
34251 93281 82050 05156 97746 74959 01985 15170 62713 90206
09875 10835 11879 38959 11922 30760 51251 91080 31544 37508
96052 09770 95152 90264 52844 55920 22728 41446 21271 90635
09110 86907 63886 18063 06952 24459 17474 35759 47269 11209
00000

10294/8068/6769 kHz, 05-01, 0700/0710/0720 UTC

11166 70202 37465 05017 00049 00000 00000 00000 00000

10294/8068/6769 kHz, 08-01, 0700/0715/0730 UTC
10158/8023/6796 kHz, 08-01, 1200/1215/1230 UTC

File 44412 (binary contents) Header 11166 70202 63180 29012 00009
File 44412 (binary contents) Header 11166 70202 63180 29012 00009

10294/8068/6769 kHz, 09-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 09-01, 1200/1210/1220 UTC

11166 70202 97325 29013 02039
54041 96587 43367 00656 94783 82597 26201 85268 02791 10909
27014 74978 26337 37522 73935 26028 99646 73580 97751 42721
71065 69955 73602 79632 82881 60140 54174 01349 38755 41122
92843 91902 19678 96940 80186 31119 34409 94599 42322 80026
15313 07041 74491 42547 95557 42844 08344 95645 28585 87362
36337 05113 35813 84964 41721 69193 93493 17082 07507 57223
94669 55743 02893 35479 47168 97281 70560 97422 93563 05911
63289 40523 64051 21847 03329 56854 98173 13672 62952 29645
96323 79618 89653 52973 86978 27475 24397 16797 20588 87784
86381 24502 26062 40037 22736 35154 90796 56534 46605 47648
50165 93618 12042 68943 97429 84954 99156 33560 49990 16545
07964 66537 32928 88177 84347 07040 65761 90979 26600 34785
63372 55780 45962 66503 87022 51951 79607 14597 06410 41434
79501 25194 58694 17623 25577 37786 15436 83800 36671 33639
93380 50816 77644 65151 70027 58681 86130 83365 89922 51786
67358 05810 72614 62415 30475 91856 58200 82245 64803 17790
51417 26530 79489 68766 50193 20636 54958 89860 69621 63638
79629 63377 97276 48651 70320 04623 40811 44584 99774 93315
53785 69012 79768 82839 50646 06847 73209 54505 46812 54491
33682 09027 84791 94182 95873 12388 32266 28183 65309 38289
63098 13201 00000

11166 70202 16487 29014 01779
54637 75803 12453 95204 58669 10399 95379 48569 63973 53432
13730 59249 27144 93815 16714 71603 36553 81293 67489 48577
17642 71657 62964 39418 15262 57210 79850 78744 32756 80914
39192 77898 32468 57678 06524 94515 27357 51206 69872 91260
18423 79850 62770 19662 57613 49906 24482 89974 40908 39785
14617 13023 61269 83503 24335 24947 76135 26931 51312 30804
69163 55222 30669 27949 10891 14879 39040 95137 48008 78886
13980 58296 75939 28345 55880 68883 74406 49043 04608 55783
10670 66418 08021 36684 40131 67323 24577 99853 58991 82051
27213 92270 88642 25059 00675 75038 96486 17803 49492 32019
82867 42157 58793 42633 88806 97828 75128 54751 04221 62210
99512 18625 81322 76123 09847 67789 82876 03866 54938 57874
20018 41017 87278 99265 59294 68442 26785 44547 03646 75911
72681 16672 76991 03800 05717 88788 67119 76277 47895 51667
06566 24453 71926 29660 96164 22891 77553 31132 00970 87942
76978 44310 73218 11334 56545 14471 82036 27448 06889 63414
54574 37727 38724 37169 58247 40656 26466 92845 78785 40730
46873 60597 73761 34881 04895 14175 00000

10294/8068/6769 kHz, 10-01, 0700/0715/0730 UTC
10158/8023/6796 kHz, 10-01, 1200/1215/1230 UTC

File 44415 (binary contents) Header 11166 70202 96325 09015 00009
File 44415 (binary contents) Header 11166 70202 96325 09015 00009

10294/8068/6769 kHz, 11-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 11-01, 1200/1210/1220 UTC

11166 70202 42813 10016 02139
69121 32270 84782 05729 00058 33088 97189 97534 48839 30356
73267 41362 58915 04086 01922 00966 20127 33828 07635 07418
06175 54765 74699 99047 68049 93598 70377 56001 00598 70149
96684 77873 24430 75625 25461 77844 50341 63487 96437 91753
18439 13841 82977 25553 29170 57313 55181 89583 08426 69331
95039 93094 73917 70750 43331 97463 95008 95767 82933 51542
63193 13063 88265 57564 15406 11086 95513 41068 77348 83462
73354 23245 19027 75414 98852 19183 39683 77165 68223 10417
24305 75254 97138 65232 38910 97692 90284 05167 56783 13911
84827 41134 32863 75426 97509 27619 68452 08172 30035 08373
33460 92416 12450 52054 38336 91235 89190 01243 72913 13435
77510 83277 54324 21897 52934 56339 51189 23275 41476 89234
76262 99966 23264 98300 64721 70314 77284 89879 80287 87962
21933 81799 16369 16315 31045 02291 84410 39028 30104 89787
06631 92475 02318 42040 55355 31122 59240 87985 06104 61744
55634 80807 96645 07441 53259 35627 09195 87363 63271 60252
17937 23103 21928 52448 69080 07682 79274 62126 85606 98075
05514 41933 13921 17207 44732 34641 54585 76354 70682 70802
44316 53907 24298 75088 81447 91397 37643 04761 12024 92770
73964 68706 18745 37800 38552 00483 79912 45608 40086 83793
90593 49224 07158 53858 63177 67106 89655 23081 49509 82583
99699 16211 00000

11166 70202 23789 10017 01679
08787 97351 61123 02898 42305 96720 04260 87049 90468 99874
58160 79542 29498 85933 83539 84505 57833 11134 56771 34764
69368 68759 38295 77606 01011 20656 98925 50093 27978 67506
40016 23608 05305 50078 68398 22330 78964 98601 12055 45325
15061 72486 87444 46934 20531 57557 54429 55152 53778 12996
19734 32680 48691 85177 74878 10340 00479 30591 79525 47548
86757 15024 26167 99516 22329 81212 47103 95882 71088 02125
49640 60460 63500 62088 90450 26781 93075 32931 25028 29128
90290 37326 93181 73748 97388 16537 26500 19922 92490 44742
88723 25592 36467 57131 84969 37218 40999 83953 00741 28573
81263 07716 56651 18137 01693 85709 89821 19803 88232 05061
97861 06567 05543 62481 06401 91892 22578 85919 46076 58440
74981 40294 49944 88849 37738 84488 07233 78254 06517 71815
34378 33230 11137 11116 49288 86846 09607 30692 59764 84531
36167 12264 02021 20415 01769 87131 90237 28848 70437 11724
63087 60794 59950 64744 38177 99761 40266 33070 10326 96978
28149 78624 54641 30496 01419 17165 00000

10294/8068/6769 kHz, 12-01, 0700/0710/0720 UTC

11166 70202 65217 12069 00049 00000 00000 00000 00000

10294/8068/6769 kHz, 15-01, 0700/0715/0730 UTC
10158/8023/6796 kHz, 15-01, 1200/1215/1230 UTC

File 44418 (binary contents)
File 44418 (binary contents)

10294/8068/6769 kHz, 16-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 16-01, 1200/1210/1220 UTC

11166 70202 85741 15019 02059
62831 79843 23621 34064 58914 45704 14055 61316 17773 88821
52954 68382 95931 93646 46734 83112 86517 70218 42632 01919
47742 65336 28334 06667 81097 22274 74279 94942 76439 74958
48330 72135 66160 87568 57481 78775 55624 75471 96326 51564
22061 68454 06931 41532 99110 02168 79830 37760 89191 48737
50827 70112 70892 22471 73273 89402 93572 21602 70527 48444
76351 91997 98284 32415 53686 23793 71441 11976 34716 16856

35216 17580 68562 76048 85181 58415 32776 22205 65915 34407
87114 29774 02959 14728 59841 27057 47749 81248 58728 19977
40238 60371 23955 25332 18874 91670 65092 24444 32628 06796
49351 73164 34765 17065 33289 29168 63035 33181 55167 82456
35985 65520 30129 00036 20060 78427 15407 20682 47208 96938
37734 60748 87646 89402 00148 16941 07499 74400 10378 77007
65980 25432 98003 74268 31825 71784 12569 46942 23635 19039
19838 88184 03843 37633 38388 97789 80975 92938 83719 71498
99911 15270 12072 88823 24802 33280 81137 85368 44370 19168
69851 20536 54249 19140 24461 76601 96062 67566 23039 50062
57936 08262 75651 21211 66109 71336 02358 12870 22364 79048
56221 74220 66928 79100 83535 50676 71564 28808 38445 25717
92513 78596 94137 45640 37999 28241 17822 63158 29956 54300
01650 60781 64704 19203 00000

11166 70202 97651 15020 01699
36180 20806 12007 31232 82860 40413 59707 11330 57641 17305
16826 48801 47247 90942 84843 46918 22415 61864 75700 86654
69334 42630 35282 87833 14151 74101 93553 03583 13977 74238
77301 27771 12842 11604 46407 20127 86024 20764 39588 78717
21195 01766 40561 14475 09818 70893 00541 07473 47243 54870
78028 49611 64926 45717 81827 03430 43215 58432 28209 31715
78141 58693 48187 77592 00653 52776 05820 99806 71722 56851
13487 92849 01779 87878 55078 46651 67884 43260 53026 25500
27111 61452 40128 70900 49540 80732 22090 58027 19333 38280
41724 60496 77297 76793 80755 03118 03409 50803 60154 07319
62696 49885 24945 58940 62953 80954 24425 53079 97702 76829
23732 95666 72845 23249 07691 66475 40450 21540 62894 73243
88096 29114 48931 51587 57233 44982 94721 90418 88969 32480
80882 87523 20750 96384 94067 65014 82344 56615 64216 99323
64592 85700 20654 45448 59337 02209 27970 60104 93989 37316
87626 53509 09162 16710 16225 24456 52799 25014 36363 58379
89255 44914 41040 93095 46751 88184 17522 20167 00000

10294/8068/6769 kHz, 17-01, 0700/0715/0730 UTC File 44421 (binary contents)
10158/8023/6796 kHz, 17-01, 1200/1215/1230 UTC File 44421 (binary contents)

10294/8068/6769 kHz, 18-01, 0700/0710/0720 UTC
10158/8023/6796 kHz, 18-01, 1200/1210/1220 UTC

11166 70202 12476 17022 01659
56541 91438 93042 44497 83102 28737 74557 89976 14005 70579
69546 39415 61691 51618 88458 05968 71503 71390 68106 44377
45553 57417 05939 16081 37001 80361 54565 55588 50686 00923
74973 30309 11042 53152 71872 11036 83230 93889 59607 95247
58437 72992 32073 50444 39272 04060 35074 69678 86190 40329
64556 56489 10901 85436 39162 81410 27677 93727 20539 77258
98514 39807 79831 65363 33079 62016 33815 29960 29371 09517
99082 82901 66057 47687 37745 85888 82393 01493 93070 22422
06687 41544 38498 36630 19229 42514 88475 81192 60636 68602
44544 41527 21546 65743 75118 28433 74591 65235 52395 56386
34598 28489 94827 49655 57945 87570 88600 43444 17021 61238
86556 72244 10717 51146 07988 62572 96890 47925 87752 72300
57739 01801 48150 43744 34026 37457 91972 62720 89084 17826
40197 40740 88548 86484 62747 62537 06746 43364 75741 66114
95680 33430 03704 47500 77564 53058 30140 07399 46804 03756
84931 81917 92413 47947 41990 24571 76763 46489 25596 31738
31623 82617 48870 22163 00000

11166 70202 58349 17023 01739
86493 78213 98259 08676 51450 42656 29621 65430 05973 23988
54778 58209 77391 81492 58300 25650 12872 95884 43254 55530
88485 08445 95608 50509 56670 52042 08099 91235 80501 16239
74509 51497 28213 13669 90306 45117 26416 39867 20548 09273

95446 43749 21019 53929 15274 50923 23534 32067 95417 07011
21324 10413 47308 33191 15471 45327 82514 11127 08310 93571
85307 39479 54736 12618 32956 29186 07374 30194 62231 29706
16510 87766 05534 03397 70773 87623 45081 90236 89454 98265
58609 30053 02434 97786 55011 34470 78643 59921 23352 25741
89000 12466 43702 84671 14746 22746 33230 74802 37143 89820
25975 35061 69449 48114 09759 58045 17114 12161 68657 96150
77143 17154 04485 62706 12550 34974 35705 20327 62849 70402
97235 73655 76525 67193 89561 08689 76400 78697 50606 45867
93861 82725 48786 99133 32868 45333 20705 58122 49678 63223
01910 35693 59244 39451 24145 47973 04198 72107 77558 19118
47372 60692 61282 27955 73802 59840 70822 38716 13125 35098
95715 83042 18337 00450 25867 85436 61832 42254 90022 49367
34663 23171 00000

10294/8068/6769 kHz, 19-01, 0700/0710/0720 UTC

11166 70202 79461 18088 00049 00000 00000 00000 00000

10294/8068/6769 kHz, 01-01, 0700/0715/0730 UTC

File 44424 (binary contents) Header 11166 70202 89562 19024 00009

10158/8023/6796 kHz, 01-01, 1200/1215/1230 UTC

File 44424 (binary contents) Header 11166 70202 89562 19024 00009

10294/8068/6769 kHz, 23-01, 0700/0710/0720 UTC

10158/8023/6796 kHz, 23-01, 1200/1210/1220 UTC

11166 70202 41357 22025 01859
21084 49854 96396 31464 88020 49204 33579 04977 20848 75878
60771 15801 78076 21613 07625 42044 74546 57073 84765 98336
65897 47936 32958 25396 15165 81618 25495 45709 89940 46837
34739 40019 63540 33185 98773 24293 18606 42920 49074 31870
76597 32144 85168 30473 01594 23565 07192 28770 51845 58028
42302 52170 77528 77009 25873 92555 88116 53242 23409 61612
37825 11689 04131 02477 02560 08024 02141 39359 46802 56822
26143 69847 03882 26654 03620 29574 18055 44246 70427 83937
21844 74922 41741 26550 47068 71501 25275 89127 92997 08832
62735 92480 00084 46168 10427 93307 02680 84560 94963 06485
59219 11455 05006 07520 83256 49680 04979 44879 23837 53030
81695 16861 68612 15605 59828 92704 68155 87112 47169 82631
04895 11314 95607 86494 55122 29803 88771 75731 17504 18304
92266 88302 06528 47673 27448 41311 34338 86803 54664 90975
29375 89601 76919 94667 65282 33237 99870 54673 98493 99855
09121 48394 37954 18929 50726 74648 95409 12435 25873 70780
89693 10069 35642 80261 03462 26649 36816 75456 15805 18923
94656 65263 59169 63957 43589 42295 74048 26293 91740 49311
59847 06059 30258 25183 00000

11166 70202 91378 22026 01539

06260 58787 17339 97603 01138 78225 27559 52815 92579 86468
94562 69798 52450 86281 24334 14287 63495 36772 14347 58294
84004 95479 57735 69710 39530 95707 23730 83238 21343 57555
06554 13626 96313 56076 59964 97109 57909 95000 59620 72026
72985 59465 60480 34520 04073 46184 41393 30283 11837 94491
54096 68272 67400 66715 18790 67330 29216 51289 33480 71662
64181 87065 89279 96091 17674 32255 08858 87038 62201 26431
50213 10162 79358 19040 42977 00598 54763 62852 49413 36734
90671 95792 67319 23451 65962 59582 17007 95782 98160 28647
79554 78917 87210 47701 78512 65489 45668 01472 22259 96087
45008 64985 49178 53927 32733 07856 42873 09623 99968 51022
09566 76986 04237 99353 34912 65811 77090 98581 62383 42554
71301 89977 60427 34874 27283 61228 70579 40948 63440 16938
53720 29519 20136 17194 76669 41593 11953 57639 06296 29744
67948 89488 03331 95949 64579 02918 33083 13895 80997 22273
35230 26151 00000

10294/8068/6769 kHz, 24-01, 0700/0715/0730 UTC

File 44427 (binary contents)

10158/8023/6796 kHz, 24-01, 1200/1215/1230 UTC

File 44427 (binary contents)

10294/8068/6769 kHz, 25-01, 0700/0710/0720 UTC

10158/8023/6796 kHz, 25-01, 1200/1210/1220 UTC

11166 70202 95418 24028 01659
91457 82334 94190 59006 26707 88015 57167 83765 84939 76667
14344 71541 94913 90107 39909 93844 91983 69141 33091 97760
41334 63499 36555 41708 35535 13346 12717 20758 39844 69560
13906 61173 83709 44979 07307 88894 21893 13779 40628 01618
13663 01190 59430 99193 93496 30732 12051 51998 31709 21156
03067 11991 08480 50285 81225 96127 49682 27926 72790 96831
97970 45062 96230 99197 17561 91499 19197 09621 56137 59153
43722 25549 12329 73171 30581 01019 82184 18075 98743 87698
83096 51108 60871 56093 78594 19980 80777 26615 52466 27190
63806 65213 05621 08123 16050 23234 74151 15097 33363 26204
92025 24565 06087 41238 46840 09641 50441 77737 02080 45142
02517 01081 84316 37353 35791 63989 58795 95668 88128 85255
41823 88324 09189 30528 23426 49402 64173 74823 98684 29283
54872 51472 31207 05755 43919 17181 97167 97938 93217 87883
83344 50252 52458 25091 37603 78562 58671 77415 95259 95746
32758 06952 29753 58825 83925 55215 01083 04875 57970 28319
00425 67885 90351 28163 00000

11166 70202 18579 24029 02539

02429 29729 82322 97839 23659 46282 13866 83336 09477 64227
33715 62390 49788 20961 43179 88206 18889 04348 38492 01492
93038 34331 87607 58205 07973 44250 05539 49991 79794 79052
14167 46968 37685 52587 97455 17571 41866 31167 88022 05135
85250 35590 45988 65897 02230 78806 16049 98121 33023 81408
73711 17018 17026 32155 96627 55146 13611 85689 21956 93010
73795 14661 75705 49498 11236 58420 84985 86884 45972 35494
09099 10065 19359 12009 50431 64723 03631 43261 31049 64102
54537 30623 45971 99087 80472 60963 29025 11264 26552 20777
92253 33663 97070 02210 24780 28865 64768 43164 62087 79156
40361 68675 61653 08418 00755 25745 45860 40447 99387 28815
98129 23393 07150 58083 23225 74984 57290 77823 07641 28253
92781 66930 41032 82432 39550 78844 84618 88718 54031 73065
97499 25576 18478 85434 56805 43296 82453 29374 32652 82462
73962 45271 03802 96048 28641 40192 24995 29803 10457 85116
81875 40624 22345 61883 94447 57619 30225 77025 55016 15520
48837 84685 11522 15146 62829 85808 32238 90614 81533 95786
12748 87973 50877 97743 11138 84939 70855 23666 22361 06451
92010 30534 27693 15698 89350 63679 80225 85333 37150 24522
12326 78544 33060 84896 76017 94677 44984 15147 52198 59103
79133 18181 89652 61996 92716 86660 59775 75745 99696 25534
37967 05649 43051 07083 47622 53610 31971 50676 27648 99497
67441 44418 09466 29879 04638 50882 14411 68800 25577 64111
07494 90300 20457 10072 68430 17361 01130 07761 65912 36960
95134 33138 46021 85929 93743 53080 70750 87306 52439 21542
67564 29251 00000

10294/8068/6769 kHz, 26-01, 0700/0710/0720 UTC

11166 70202 75146 26042 00049 00000 00000 00000 00000

10294/8068/6769 kHz, 29-01, 0700/0715/0730 UTC

File 44430 (binary contents)

10158/8023/6796 kHz, 29-01, 1200/1215/1230 UTC

File 44430 (binary contents)

10294/8068/6769 kHz, 30-01, 0700/0710/0720 UTC

10158/8023/6796 kHz, 20-01, 1200/1210/1220 UTC

11166 70202 36587 29031 01939
90597 77177 50206 53639 75347 97174 50486 51709 25133 23634
72293 17596 85192 08990 84035 99456 01950 88561 53298 65179
39636 82401 49845 86122 42706 26146 93636 45942 23754 29314
40048 35460 81589 84475 19492 19504 79195 75747 73615 86655
36217 60032 55269 17852 15707 19457 84438 34763 09783 08436
77309 13900 53906 43800 90671 77380 24457 11436 48847 96288

99302 87853 45312 67579 86033 00151 36226 50443 47574 72777
68037 73088 79830 34565 06357 45875 21090 84439 58293 41719
97834 39269 05428 29740 36681 12275 89626 73047 97105 95447
18868 26642 04669 44407 85275 96341 89416 89130 12555 44686
59134 19016 75000 54745 62162 15677 55280 87784 19443 31951
33174 95703 30498 40520 22456 74210 83017 00604 98113 67644
20746 16161 81078 61403 49363 84021 72670 22908 85036 55409
55936 77026 75338 59272 06065 26927 47213 60875 77076 56264
61682 54070 56969 73656 79976 10713 08509 85383 70783 35632
37848 07251 13286 00612 58172 51538 75705 55805 40542 49998
74003 42038 69142 98817 40461 52424 43102 36495 56798 16729
92094 90559 31536 06936 97880 54080 26289 87432 39013 77898
60659 58265 00861 89512 50446 64902 18154 74572 58830 72929
42246 31191 00000

11166 70202 14589 29032 01639
13921 17105 50346 26531 99157 54918 92395 75801 11239 96994
76267 88294 67793 92294 25844 53809 44738 30045 10476 10180
61697 35580 67946 76867 43685 47536 34178 22240 51260 37323
84369 87974 96308 56827 15233 19039 85666 25272 23043 72663
59764 91166 57172 04765 18474 30307 53798 57244 51349 65737
79477 94599 14454 20622 39271 63297 20956 39970 29102 72331
37676 42146 37050 18415 04788 86093 23246 04230 20843 65232
33076 23194 60320 63941 23375 09155 15879 37583 06288 74475
82508 02003 40500 84928 25761 43429 24521 44843 01251 84732
71697 90952 17612 68960 71659 18358 60100 46102 67879 87071
17029 74007 06029 82554 76222 69407 32824 28697 83675 69968
50050 76683 81610 93319 53445 18166 68114 03990 11136 96200
45543 24192 61315 12366 49891 49394 33837 53514 78295 54614
25438 86595 56877 02366 83244 94972 16102 88217 76277 54688
65848 84873 59633 74107 87366 70731 61024 45374 84324 53853
44367 81127 60121 27282 30122 34900 13655 16639 77040 28658
70740 32161 00000

10294/8068/6769 kHz, 31-01, 0700/0715/0730 UTC
10158/8023/6796 kHz, 31-01, 1200/1215/1230 UTC

File 44433 (binary contents) Header 11166 70202 52741 30033 00009
File 44433 (binary contents) Header 11166 70202 52741 30033 00009

Link 80214

14471/12218/9933 kHz, 04-01, 1330/1340/1350 UTC

11166 80214 74082 04056 00049 00000 00000 00000 00000

14471/12218/9933 kHz, 11-01, 1330/1340/1350 UTC

11166 80214 52973 10021 00049 00000 00000 00000 00000

14471/12218/9933 kHz, 18-01, 1330/1340/1350 UTC

11166 80214 12379 18059 00049 00000 00000 00000 00000

14471/12218/9933 kHz, 25-01, 1330/1340/1350 UTC

11166 80214 52173 25026 00049 00000 00000 00000 00000

F06a – FSK 200/1000

3629/4473/5239 kHz, 04-01/05-01, 0500/0515/0530 UTC
3629/4473/5239 kHz, 11-01/12-01, 0500/0515/0530 UTC
3629/4473/5239 kHz, 18-01/19-01, 0500/0515/0530 UTC
3629/4473/5239 kHz, 25-01/26-01, 0500/0515/0530 UTC

File 44414 (binary contents)
File 44415 (binary contents)
File 44416 (binary contents)
File 44417 (binary contents)

5913/7992/10687 kHz, 09-01, 1450/1505/1520 UTC
8071/10157 kHz, 27-01, 0300/0315 UTC
10169/9328/8024 kHz, 27-01, 0700/0715/0730 UTC

File 04499 (2627 bytes), interruptions of modulation
1 message, 77 blocks *)
File 40426 (2554 bytes)

EVFDD EGTHD IVEJW QLJLU OVEGW DSQUD BAHFK QJLCM VDEWF OIUMU
YSNKK VWKUA JLMY XQYOY LCXNE VLACS BUUUY JICQT UBLCN HCOJD
SAYOX GOYJC AOVWC RRNXU EBGX NHJUM NXWFM GWLSO UATNU CTQGB
MGBFS GFJLN ISPQV VGUNO WACYS MYWJN INOBO OSQXX OJAYP EJKQF
EESV EEF0I FRGDY CPNVG FQAIJ QCXDA JVVBP HCRXH XYIEL ITPUS
SVOWU PCXBX OFIHD FUIHO SFLAH NCDHE HBWJW WUIWP AVEWU OHUKM
HWDDU JCXHY CPXMA TKXQJ TGUG NGYHI TNHPG ETTIB BTDGE ISCUF
QNTCU OYAKC PHGJX QFFEL CGHWM ODARN EVYID CHOLP IYLM IYLM IYLM IYLM
CNYJT COMPF NGAWO EFUDP REHVQ BKAJC HDRRD WFRBE YTYNV RBHLS

Link 10173

10316/12219/14652 kHz, 22-01, 0800/0810/0820 UTC. File 00173-~1.TXT (2022 bytes)

11100 00173 93702 20150 03279
MHMWU JRBXY KEHX LDVDJ VEFTR UHXVS NUYP R LSLQA HUKTS PIYDW
AGFIC MKMTS EJFUT GWADK HMBUW PMHKA VDFBN VWJVC IYBXK GMMQE
IUAJR IWIET HGLKX SOGOC TFJMD XFFJB KXAOU OQRRO CUUWP CIWHJ
SNXOQ EXTTQ DKMVX AKLMK CUKWB WNBLM AKPUD XKUTO LBXMD WIQBI
SADPA JCXXU DXGUC ECCEB PLSSN WJKPL TXXDJ KOLHK CLGDS LRCRA
XQHEF RFQHG JQCBE LTPNE BJSQ L K OMOH SQAFI LRNRM SUQUH RMUNO
BIYPE QJNCK OQBCE ICUBR HTLTO UFEBB JQCPT PEHKU VYCGN MNNQO
HGTGE KQXJW XCKBK MIOAX YWSKF KYCQJ VVRYM LLJPR YNSYC BLIQJ
OOHWU DSQIE KGJRM JFIRT LYSXD THUNH UODSO MMXXQ MECON WEQIM
GFLYE EURFL PHFNN PTRLX VHJML SNCIQ SDJRD HHLJY OCMFE EFWVA
PQDSW ROYGT TARYE THSVH PYIRT QHGAT RLCUC HYLWP KGHBE IRHAN
FHDAX HSCHD IGWIJ NPLQJ GVLPA TPETR PFIKR RFVLU AYCRC PFHIX
VHAVO WAVVW GUQPX RCMIG TXKOR DUOMU JRPBS SUTQS IQUYB XEJYC
XHILQ KDFJA NEPUW PMOVY IMCAA WXQCY FFAUN CASUC CDVVP RTXRJ
FWSAN FITQP EDNJF PLMVL TMDPE OKUGD FEFTM SPBDH VAQTS HIHBB
TELUN OOKUW KJFWW SMYWX PNNHK YQCNP ABLHW WFQHU GXIWH JASUO
JTACU IVADC BDTPR SOGBV ALSBC ALMFM NFPDG YEGDK YJTLM PMHOA
SQMKA OUEDA TOXFO CHPIN AVCEC BFVXK LSVBV CKBOU ASVLN QWIXY
GAWGI SQLQU HFGSY KMGVG NMIHI IUFPD XKGSV RPJPB IAANO SMOAW
ADWWP KTGOI IITTU GOLUO MFLON XNEQV HJDVS QUPQE OFEJB IRIIC
WTDHD QQQRY PANLC THPGN DTWQT GBUXB DITPV OECXQ GRNGF DLLTQ
RQCPC GGNCK XXPBK SHHBO POVLG GXTJP IRFKH BBGGI HTEQY JTWNP
FRRTX XRDRB QIHUI HFJOO XLRYN KCQV BSRVJ HFKPL SAURU AYOAN
TXBEH OEPOJ RNRSJ EBYWS OGNAW DFQK SKIQT KUOJY MHGXP QVRGE
IJEYW REQSS HUDSD UTOBK WPSIP BNMPI PETHS OTBMQ RUTGT ACFJT
OANXS PTCKF SSYTX BPKNK LMKFF DWQII FOWSN RONVE RSDJG NDVAJ
QMDYE LNQOO EHQFK KHXYN XQDWO RNUBL YSBFW KIDYV RYAL MJGOD
ILBVY NMTAN BEMER XQLGV DUSWH BWSYB HXQFJ FSLCQ CKWVL YBGYV
HKBMD RUSTW GWRKO XAGLH JDHUX APSQD DPVND VAXIB LMEMH YLYDO
KUCWE VARNN LXXAI DFUGY UQTOO VVIDX VWKPT JOHKN VAOGY JDFLF
MXKYB WENJM HNJWP GRXLQ CSXCK BHIRT MWDTI DFPPN FVBSW LMGXR
TEJCD HROTS MYGOK IYVPP KHEDI SPMAE GPVRE AQLHL TOYYD YGFUS
EHXRH HPVTX LKHYM VWJOB MQKBP BVTJW

Link 10053

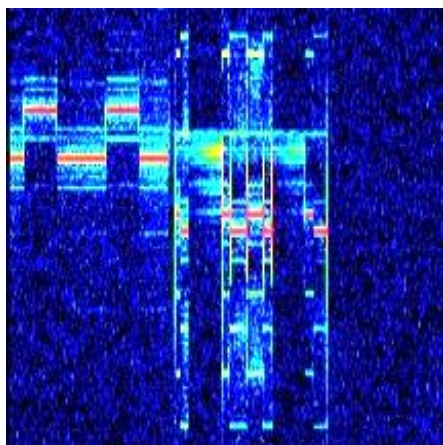
12227/14423/16283 kHz, 23-01, 1030/1040/1050 UTC. File 10053-~1.TXT

11100 10053 21978 21162 03309
NKLBR YFPAI UTGGG PAYCY UPVMY LJMRM JVOLW QCRXW BBSIC JPB JF
ABPGG BOCOT QVQWY BJNEM JOYSI TQHJW CRXUC MVNXB WSLGR QNQFK
DSTNF OVBHF NWFTS TNYFB PDXXK DQVDY LIYVQ MANPW TDVGD ACTJM
JOBBI RHIPQ BCSIW JYFJK DQLLF OLLEU YVTBH GXXLL MRTIJ UBWEJ
AWBLD HEYBJ VBRVF KHBRJ SOEBB LGJNC YNMMF BDGHB CJQYA OWLPQ
RKNIJ GYMBR ORLIC LLYKM YUYLS DJYJB TYGEQ YRHTU WUIOF IVYWL
HWPQK VVJDF RXWUQ LNIRO CCQUB PEXPY RHQTI NHFLR VLDUX UMSBV
SBRKW DXUPR WHGFY CHUWK PIYAN KPMKG QMCAQ BQIEF GWDMB LDIKI
QUARA FYGLA GWGUA HKSUE DAEXK CQBOQ QIIYA KKNBY QPWHI XNDOL
SQYJW DOHXS HRSOX TPIUL QCGEM TUPPF YOLXA PGSHH RXSSI FSMLL
QNDCA LGIGC DRVSS KODNW AXBSX OYWHS UBNME KMCNR OIUFO XWQYJ
KVYBE XIQDR JJOOB BWLYM WIJRI UUMXM NVWRU FKEAY EDCRH PSBUM
OXWIO GEBPB LWOGL LOUFO LCFGT EEBGI SWDLK OUQTU CPRBM EWEOE
EDTEL LATBX FYBVF YINDY LOUMP JQKMV DGCMM XWQQS LNFYI PGHSM
CCKFM HSLLU TJFBV XTQKF WMKGY LQHIW VJUHR BDYGD IITPN GLODF
TXCBR TCQLY JGAVW NIWBU YJQYW LSLCD RDRBW NSYHW PUBNS GKGW

UMJKW TXQBA CBDJR HHNOW GMISU UQQCP AVEWP RNXXB ODWMO PHVKV
 VURXG SUYNT AEMUF IIUAR TADWC IRATH TRXFI RIRCS HCWGC KIKAO
 UICNH ELCRI LSCPS SYLAO IPATX PIRDA QAMGI CMQVC FYJQJ KWIHU
 BCAXV RTQNE LLWJM XGFUV GFLVP CUHPY DPQCL YEKRJ UTLHC CJXYL
 DDWFF KBKAS UBHQK HQRKE JGKXO LFTSW AFEQY LRUNN SOAYM VFJKY
 HACMF MLETH CMGXI MBXQR STAYI MQFMY GMLNQ SETAA CQBNA XTLPN
 KHEXF JPKPT XROSW EHHBN MWYDE VYPMF KQQLK GWRHX DSRBK AOATA
 NAJBA DDKFF FGINT NTKWY LHEII NQOSU MIDVI AGJMF FWXJ BOMNO
 JSUAO URQXH RCFHI ELQPQ YKUWJ IPTIY UJRTS THPDS OBWAI LLOXG
 KBECH IBNKB AAQUM EGMEE IFTNX MQYTC IHUUT OGHHS EUWJY LSLAI
 EBJIM DODOQ JFLPN KLETU QFLUV IPFNI GNHWS JIERG YTGVI MVNYH
 GVKVY KITGM JAYQL IHOUV IUHHJ KJKVA AKMKQ KOTGD NFAUR KPEIC
 CAQNL PLTCG DXJCR HGCFQ AJWQI OPSUH KAFNY VUWGE JDYOR AMLVT
 BONFT PQJPS APRLV ARWKR HJIPH KVWVP TGJUI RJHKQ FTHDM KPVLL
 RGBPK NRDOM DNEFN FJRXJ MDMIR XSXSJ XAQKW NGAHQ QSDYA YDLDM
 KBUXF EGFNV FQCWS MBFSP AAYNY OXWUU PAUUT KUGAF ODXPU XALRG
 CCIHM XFWIY LIJSY TWIJS DFTOK AJUAV UQSPI QMBTO NFAUK

X06 Tests

11559 kHz, 15-01, 0850 UTC, MFSK-6 i.p. 116666
 11560 kHz, 15-01, 0857 UTC, MFSK-6 466446 (8 sec), off and back at 0900z



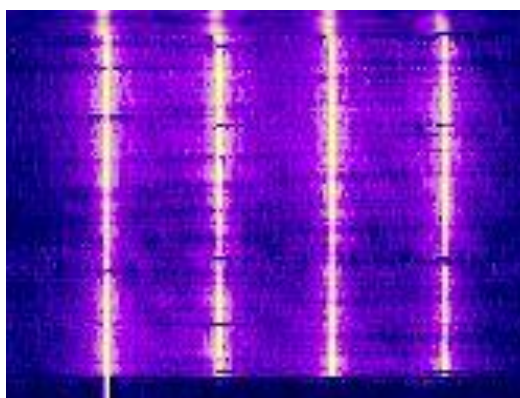
11559/11560 kHz at 0857z

10560 kHz, 15-01, 1024 UTC, MFSK-6 166116 (2hrs 7min)
 12350 kHz, 16-01, 0742 UTC, MFSK-6/AM 11666 (R 58min)
 14769 kHz, 16-01, 0753 UTC, MFSK-6/AM 166116 (R 46min)
 15740 kHz, 16-01, 0757 UTC, MFSK-6/AM 111666 (R 43min)
 11370 kHz, 16-01, 0805 UTC, MFSK-6 666666 changed to 111333 and 111555 on top of each other 0821z
 11370 kHz, 16-01, 0821 UTC, MFSK-6 111333 and 111555 on top of each other. Changed to 111555 at 0838z. Off at 0838z
 13640 kHz, 16-01, 0817 UTC, MFSK-6 111111 changed to 111333 and 111555 on top of each other at 0821z
 13640 kHz, 16-01, 0821 UTC, MFSK-6 111333 and 111555 on top of each other. Buzzer in the background.
 Changed to 111555 at 0838z.
 13640 kHz, 16-01, 0838 UTC, MFSK-6 111555. Off at 0838z
 14810 kHz, 16-01, 0825 UTC, MFSK-6 111222 (R 11min)

F02 – Russian domestic net

Mode: MFSK-4/150Bd/4000Hz

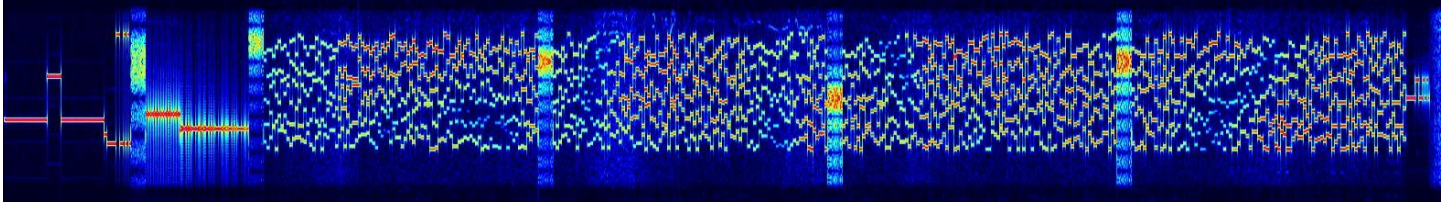
18449 kHz, 09-01, 0700 UTC
 15626 kHz, 09-01, 0830 UTC
 15626 kHz, 12-01, 0832 UTC. Test
 15623 kHz, 12-01, 0847 UTC. Test
 14837 kHz, 12-01, 0830 UTC
 15626 kHz, 16-01, 0830 UTC
 15626 kHz, 19-01, 0832 UTC
 14837 kHz, 19-01, 0834 UTC
 15623 kHz, 19-01, 0846 UTC. Test
 15623 kHz, 19-01, 0851 UTC



12173 kHz, 22-01, 0830 UTC
13856 kHz, 22-01, 0830 UTC
16083 kHz, 22-01, 0844 UTC. Test
16083 kHz, 22-01, 0900 UTC
15626 kHz, 23-01, 0830 UTC

F07

7461 kHz, 02-01/04-01/09-01/11-01/16-01/18-01/23-01/25-01/30-01, 2100 UTC
6979 kHz, 02-01/04-01/09-01/11-01/16-01/18-01/23-01/25-01/30-01, 2110 UTC
6783 kHz, 02-01/04-01/09-01/11-01/16-01/18-01/23-01/25-01/30-01, 2120 UTC
5841 kHz, 02-01/04-01/09-01/11-01/16-01/18-01/23-01/25-01/30-01, 2130 UTC
5318 kHz, 02-01/04-01/09-01/11-01/16-01/18-01/23-01/25-01/30-01, 2140 UTC
5081 kHz, 02-01/04-01/09-01/11-01/16-01/18-01/23-01/25-01/30-01, 2150 UTC



HM01 - Dirección General de Inteligencia

HM01 is finally back. It used various frequencies, mainly the Monday schedules. Irregular transmission times. Not all slots turned up.

10860 kHz, 23-01, 0500 UTC
10345 kHz, 23-01, 0600 UTC
10345 kHz, 23-01, 0628 UTC
09330 kHz, 23-01, 0700 UTC
09065 kHz, 23-01, 0758 UTC
09240 kHz, 23-01, 0900 UTC
09155 kHz, 23-01, 1000 UTC
11435 kHz, 23-01, 1600 UTC
11530 kHz, 23-01, 1654 UTC

Groups: 85881 35282 81435 32584 77226 30149
Files: 62348588.TXT 43463528.TXT 18408143.TXT 02683258.TXT 80717722.TXT 66443014.TXT
Callsign: QWERTY01

10860 kHz, 24-01, 0600 UTC

Groups: 85882 35283 81436 32585 77227 74521
Files: 62348588.TXT 43463528.TXT 18408143.TXT 02683258.TXT 80717722.TXT 71727452.TXT
Callsign: QWERTY01

13435 kHz, 25-01, 0700 UTC

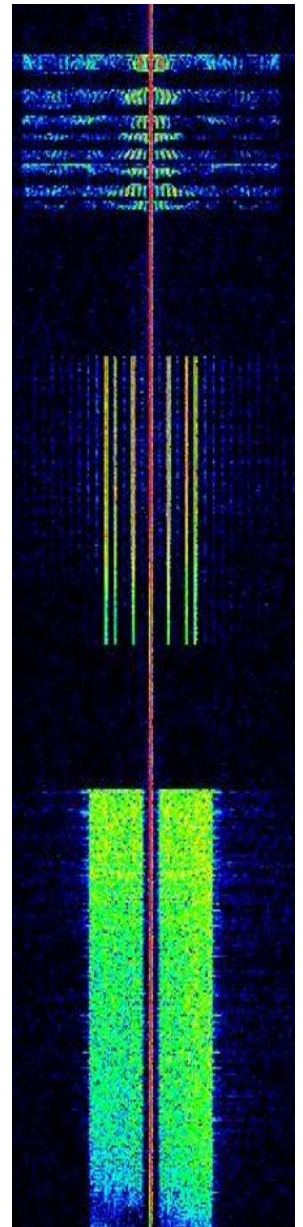
Groups: 85883 35284 81437 32586 73161 74521
Files: 62348588.TXT 43463528.TXT 18408143.TXT 02683258.TXT 61047316.TXT 71727452.TXT
Callsign: QWERTY01

10345 kHz, 26-01, 0644 UTC

Groups: 85884 35285 81438 32587 73161 74522
Files: 62348588.TXT 43463528.TXT 18408143.TXT 02683258.TXT 61047316.TXT 71727452.TXT
Callsign: QWERTY01

11635 kHz, 27-01, 0850 UTC

Groups: 85885 35286 81438 88471 73162 74523
Files: 62348588.TXT 43463528.TXT 18408143.TXT 22548847.TXT 61047316.TXT 71727452.TXT
Callsign: QWERTY01



10345 kHz, 28-01, 0620 UTC

Groups: 85886 35287 88471 23551 73163 74524
Files: 62348588.TXT 43463528.TXT 22548847.TXT 50072355.F1C 61047316.TXT 71727452.TXT
Callsign: QWERTY01

10860 kHz, 29-01, 0458 UTC

Windows Vista/7 startup system sound and at 0500z an unidentified system sound

10345 kHz, 29-01, 0650 UTC

Groups: 85887 35288 88472 23551 73164 74525
Files: 62348588.TXT 43463528.TXT 22548847.TXT 50072355.F1C 61047316.TXT 71727452.TXT
Callsign: QWERTY01

13435 kHz, 30-01, 0603 UTC

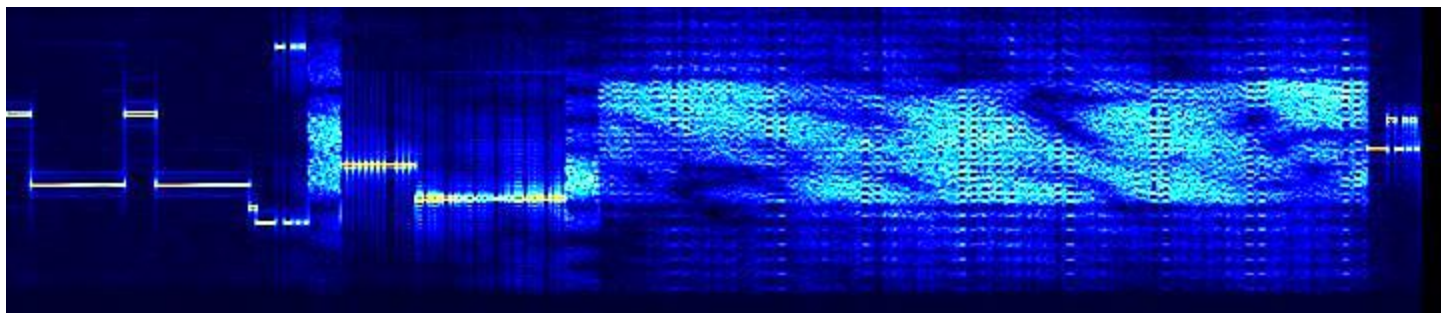
Groups: 15741 30221 88473 23552 73165 74526
Files: 22561574.TXT 54163022.TXT 22548847.TXT 50072355.F1C 61047316.TXT 71727452.TXT
Callsign: QWERTY01

10345 kHz, 31-01, 0600 UTC

Groups: 15742 30222 88475 23554 73167 74528
Files: 22561574.TXT 54163022.TXT 22548847. TXT 50072355.F1C 61047316.TXT 71727452.TXT
Callsign: QWERTY01

P07

7584 kHz, 03-01/07-01/10-01/14-01/17-01/21-01/24-01/28-01/31-01, 1500 UTC
6926 kHz, 03-01/07-01/10-01/14-01/17-01/21-01/24-01/28-01/31-01, 1510 UTC
5814 kHz, 03-01/07-01/10-01/14-01/17-01/21-01/24-01/28-01/31-01, 1520 UTC
5471 kHz, 03-01/07-01/10-01/14-01/17-01/21-01/24-01/28-01/31-01, 1530 UTC
5094 kHz, 03-01/07-01/10-01/14-01/17-01/21-01/24-01/28-01/31-01, 1540 UTC
4639 kHz, 03-01/07-01/10-01/14-01/17-01/21-01/24-01/28-01/31-01, 1550 UTC



Q26 - Chinese military

16316 kHz, 11-01, 0951 UTC, 4+4 QPSK 75/3000 LSB, i.p.

9068 9978 6923 5428 5417 9006 5163 6284 6562 1901
6381 5700 7441 3543 2872 8612 4609 7828 6856 2830
0243 5159 9201 4102 0612 0865 5822 3129 7576 4337
5313 6174 2864 6423 4447 1246 3422 2425 7685 9238
4341 2247 6832 7155 6836 4862 5767 2614 3423 8639
5389 7680 7149 6905 0442 4903 0100 3536 3792 4797
1294 9645 2084 7344 3823 7318 3840 0097 8606 7677
0617 2072

AGN
NR57433 CK092 51 0111 1734
1213 0030 5040 2575 0576 5665 2870 5322 8352 9220
7158 9033 7785 5263 9758 8545 4490 3306 6504 9458
9068 9978 6923 5428 5417 9006 5163 6284 6562 1901
6381 5700 7441 3543 2872 8612 4609 7828 6856 2830
0243 5159 9201 4102 0612 0865 5822 3129 7576 4337
5313 6174 2864 6423 4447 1246 3422 2425 7685 9238

4341 2247 6832 7155 6836 4862 5767 2614 3423 8639
5389 7680 7149 6905 0442 4903 0100 3536 3792 4797
1294 9645 2084 7344 3823 7318 3840 0097 8606 7677
0617 2072

ZNN SK

WC

XYXYXYXYXY HR MSG GA PSE CY

NR57433 CK092 51 0111 1734

1213 0030 5040 2575 0576 5665 2870 5322 8352 9220
7158 9033 7785 5263 9758 8545 4490 3306 6504 9458
9068 9978 6923 5428 5417 9006 5163 6284 6562 1901
6381 5700 7441 3543 2872 8612 4609 7828 6856 2830
0243 5159 9201 4102 0612 0865 5822 3129 7576 4337
5313 6174 2864 6423 4447 1246 3422 2425 7685 9238
4341 2247 6832 7155 6836 4862 5767 2614 3423 8639
5389 7680 7149 6905 0442 4903 0100 3536 3792 4797
1294 9645 2084 7344 3823 7318 3840 0097 8606 7677
0617 2072

AGN

NR57433 CK092 51 0111 1734

1213 0030 5040 2575 0576 5665 2870 5322 8352 9220
7158 9033 7785 5263 9758 8545 4490 3306 6504 9458
9068 9978 6923 5428 5417 9006 5163 6284 6562 1901
6381 5700 7441 3543 2872 8612 4609 7828 6856 2830
0243 5159 9201 4102 0612 0865 5822 3129 7576 4337
5313 6174 2864 6423 4447 1246 3422 2425 7685 9238
4341 2247 6832 7155 6836 4862 5767 2614 3423 8639
5389 7680 7149 6905 0442 4903 0100 3536 3792 4797
1294 9645 2084 7344 3823 7318 3840 0097 8606 7677
0617 2072

ZNN SK

JA

XPA1

14852/13952/11552 kHz, 03-01, 1310/1330/1350 UTC

895 895 895 000

04561 00001 00000 34262

14852/13952/11552 kHz, 05-01, 1310/1330/1350 UTC

895 895 895 000

07514 00001 00000 35660

14852/13952/11552 kHz, 10-01, 1310/1330/1350 UTC

895 895 895 000

09110 00001 00000 31662

14852/13952/11552 kHz, 12-01, 1310/1330/1350 UTC

895 895 895 000

04023 00001 00000 32656

14852/13952/11552 kHz, 17-01/19-01/24-01, 1310/1330/1350 UTC

895 895 895 1 895 895 895 1 895 895 895 1

00314 00188 54230 02179 17944 83350 30414 96550 61176 26637
27277 23073 34855 57352 48803 47187 12321 20958 11313 57927
52866 34671 73594 08240 13303 11689 65992 32216 79551 86577
36609 30210 28490 53262 23652 09189 96836 29550 60709 55013
44871 39657 21787 83198 73408 05328 10643 42692 21628 42352
79290 51520 18177 85547 43846 99899 42756 06054 68631 42833
79229 54855 68331 25872 37059 59449 72688 66556 97789 79434
42767 52905 02437 92734 31325 51299 71312 50926 98225 89636
53260 82853 02883 78114 92700 76033 27466 68716 86204 27521

77594 33038 78478 07443 96110 42972 91366 00825 81604 17540
67060 27311 10498 31718 42816 96205 22018 47613 78728 67801
14421 91027 52492 28672 06941 68634 78506 71487 23434 71209
85455 62937 82662 44300 29658 32972 92057 69949 28046 01595
46873 68318 37985 97688 00176 93566 78100 91436 56841 23337
31800 59116 76197 61781 71984 66738 02953 75601 70189 10160
15455 40835 05211 84588 59882 27435 01762 74606 92021 27969
74822 14607 36979 93779 73134 07533 41838 41359 46154 80782
90760 19116 15735 10852 30740 85844 18940 28733 89582 52995
72596 22581 57967 10993 93369 77978 58603 76887 95746 91052
47363

14852/13952/11552 kHz, 31-01, 1310/1330/1350 UTC

895 895 895 1 895 895 895 1 895 895 895 1
04257 00215 08528 61527 33580 73603 60256 80539 83886 94735
66598 48927 48426 67729 63596 94020 48252 61754 73189 13445
53324 37756 95682 92496 78326 75052 65702 82664 47366 57182
93746 08429 30923 41082 45665 79179 87633 45093 73476 68032
44445 54753 45902 57552 24062 11479 89089 69040 02044 36837
09104 55839 41117 21274 54189 18591 88837 42452 55866 39624
18787 65825 76395 61952 57105 54037 15144 24135 62979 42097
62536 98289 17944 71987 90278 71854 85389 01378 87215 86367
67098 91939 34949 97358 25381 76404 89565 75964 79491 42785
66155 47761 24047 34765 11982 67689 35550 45154 99579 33285
05178 16244 28644 13043 24416 37182 92081 20656 10451 67638
50381 43065 17422 52902 35937 82082 02678 65425 38780 18976
68953 94658 27174 42012 73036 21614 04375 18388 99166 41738
71639 73980 91145 57912 82531 57437 97547 83100 96739 64973
69014 78647 81914 86550 60927 19787 89895 42219 66596 24622
87085 50492 36886 90418 73825 01519 55980 74534 89690 19670
13832 82411 73511 44093 59175 97873 73592 96864 36399 98102
48971 46729 52788 40548 93825 94648 51162 04403 64173 07362
24014 32686 42363 75509 77793 69871 10391 76143 20634 14585
00371 52191 91745 97368 45222 53487 21579 71886 37317 60894
56542 36499 69562 38887 70144 05871 99334 08805 91146 25584
74418 41521 32744 82723 90809 23592 69647 31462

XPA2

14977/13971/13371 kHz, 0910/0930/0950 UTC

14977/13971/13371 kHz, 01-01/03-01, 0910/0930/0950 UTC

05040 00059 97877 79663 46504 62155 49000 13436 11304 90390
34185 53619 98202 83791 19598 73468 32377 76611 83070 66297
41193 19295 19710 45734 75928 73144 81653 26613 83081 93997
58620 42869 47074 00031 40390 91374 10157 75326 61989 48519
74375 17618 30254 02113 20009 65158 25889 87357 01353 94698
82740 26988 42118 43551 80016 68929 88719 43712 27090 33912
79262 50546

14977/13971/13371 kHz, 08-01/10-01, 0910/0930/0950 UTC

08098 00120 30789 81607 41004 67773 13516 52871 70652 76886
56208 50712 80546 28596 19130 83363 06775 68717 40028 94742
73699 05714 72213 82399 63251 75154 57919 93679 68607 85743
97807 29252 98300 07668 96853 78039 63094 81972 10379 86489
62382 09080 94496 71130 00558 65805 01199 56479 27261 28326
74839 56188 24248 57495 61548 72790 92428 80118 23752 62141
90674 05969 54534 94288 66396 69019 25371 76304 74048 42322
33959 08517 92210 81814 01098 59972 83386 81957 82241 07479
91726 73973 24213 46725 46538 38713 66759 64948 04207 70180
68323 12800 86442 61710 29114 48987 40066 41775 22702 29829
78017 07343 85859 01028 34618 24294 05574 48664 99965 16149

31447 59684 21756 65372 98516 92443 20898 14523 74017 50371
02250 68663 12676

14977/13971/13371 kHz, 15-01, 0910/0930/0950 UTC
05244 00001 00000 34261

14977/13971/13371 kHz, 17-01, 0910/0930/0950 UTC
08791 00001 00000 35271

14977/13971/13371 kHz, 22-01/24-01/29-01/31-01, 0910/0930/0950 UTC
06684 00086 75836 17277 24554 23207 75854 10067 22192 21697
68855 90429 97441 37514 61732 31053 07918 38863 21312 82477
55842 11040 00793 66808 42459 63406 31955 97674 47776 72795
24168 55069 97760 67077 82386 60857 76179 35265 43321 00281
54633 25474 45540 49766 81570 23842 51643 36325 72336 75197
25999 85846 96411 49101 47435 01670 83518 78113 70221 40090
02884 97181 22138 12082 85882 08793 51063 64824 26260 85074
18415 53561 14781 07720 13803 47284 69919 00554 36425 79000
09514 18778 28018 63554 35154 11515 61195 51591 46767

9317/8117/7517 kHz, 1600/1620/1640 UTC

9317/8117/7517 kHz, 01-01/06-01, 1600/1620/1640 UTC
00593 00228 70838 04088 48451 34428 64695 47134 77970 54529
29715 06781 41783 82088 67031 97548 39651 18915 02234 08936
60157 82935 83075 82622 81218 34676 07434 31380 86151 30848
48464 74402 20577 24060 98379 09098 46689 56698 03759 54058
66533 47564 72490 33414 22821 65692 05997 47347 04106 54314
54380 43035 37888 21638 55693 45034 15158 28408 58187 02650
13474 64781 57599 36758 83547 13961 44192 85154 57801 96307
54723 61106 53848 45658 11171 19936 11648 02431 42867 78000
63438 05136 13336 71994 20282 77857 58454 88004 83894 28835
66289 39006 80018 51431 54322 35316 45508 03879 75268 31938
93714 91962 82582 58068 11982 81978 89719 55890 64052 24712
97305 58562 18644 29814 34534 60678 19825 78436 85034 42807
38017 02154 59091 32285 49985 45525 04845 19521 20789 93584
72478 34392 31209 83059 45106 12335 36100 46514 41207 16076
86018 66350 30777 89123 33859 07692 79949 06625 91723 30292
92100 84102 51236 96266 70115 78635 82968 12639 54427 54045
54932 74091 40547 44970 33217 47256 93463 46731 63714 25137
23606 92943 48906 70441 22917 88942 33407 42758 43775 60063
85653 19134 46126 52550 34699 28242 43414 07737 18022 90153
41532 65600 35470 48462 29785 95313 48532 86983 02437 73122
73083 73709 56918 16669 50818 24534 83170 65060 28073 29097
90137 45209 80995 74743 60804 40964 70968 00626 71277 92832
18158 64133 22159 43894 74667 34680 84947 33696 45486 72657
22400

9317/8117/7517 kHz, 08-01, 1600/1620/1640 UTC
08870 00001 00000 35267

9317/8117/7517 kHz, 13-01, 1600/1620/1640 UTC
05621 00001 00000 34657

9317/8117/7517 kHz, 15-01/20-01, 1600/1620/1640 UTC
04218 00285 93658 88786 40435 01925 66600 19976 19794 72150
20879 57015 60311 53989 21337 38694 17162 83428 12015 86190
59463 50089 78372 96916 40566 04518 28962 11855 22323 27379
89529 54448 03793 23832 37344 94778 76398 97876 55635 60918
13166 36358 59173 80127 47342 28371 35473 39404 75692 82858
39045 64006 54640 80277 58159 18983 49119 29099 26387 70152
84728 21289 38780 76944 71472 45075 75645 65047 25676 78773
32580 50241 25474 80192 11878 30321 19412 17317 93471 01764

42601 83086 91149 92411 08816 79889 35376 31158 51601 47151
28199 76073 40274 54654 97795 46186 50685 27992 16250 11659
53994 82997 53280 67873 13734 58121 30334 94779 59952 77828
46048 74726 63937 64647 63041 98587 14538 32296 45188 84111
17673 81192 73359 35882 49518 52362 90907 53074 23428 99602
25393 20025 65396 52821 64509 61216 47040 53436 02673 37919
72147 93730 65443 88519 87261 58919 65783 12302 65717 83471
63414 02036 70934 42365 51636 30766 00726 70764 57788 09885
17770 97226 15783 38809 56366 67123 14558 83653 39847 11845
07745 30590 91534 76674 91082 71524 66697 81308 80965 11144
93029 15132 20921 92228 59399 86802 99035 70788 41594 37191
62046 75956 02757 67085 85419 50739 44836 52104 22080 14125
87861 99933 98392 30301 47914 54325 37785 48941 11107 54853
31314 23971 33984 08432 46052 28657 78829 98650 43049 87706
30233 10910 80336 91941 08652 17800 45030 62866 08049 64465
18622 47267 44776 97270 38259 92116 31831 45764 81104 16594
22116 64096 84806 56745 80327 22740 02133 38570 07971 87369
00117 92262 76517 80902 73376 74536 17305 21691 49111 47675
26685 18731 96006 77674 31873 43087 21085 65549 24079 38306
46378 63036 15771 45108 52112 40635 92474 15845 98792 64330
82493 21386 63937 78390 40459 51838 89366 17431

9317/8117/7517 kHz, 22-01, 1600/1620/1640 UTC

08688 00001 00000 40270

9317/8117/7517 kHz, 27-01, 1600/1620/1640 UTC

03688 00001 00000 40263

9317/8117/7517 kHz, 29-01, 1600/1620/1640 UTC

03788 00193 28832 80258 30010 85303 22906 44760 45358 00531
72544 87785 34718 35388 53510 33135 52567 62928 61644 07701
58104 14021 61708 42821 83097 29414 41778 15022 55807 20478
77989 87164 24991 17090 98223 78534 14391 65045 33647 50622
78599 20814 60715 75616 50883 70618 72075 81648 00044 51048
91314 46254 03023 03898 28803 63093 46964 35019 21038 40323
11784 39706 03412 26394 38331 10527 73602 51383 45202 73423
33911 73192 45446 07720 68308 70302 25113 24615 49151 20783
61699 92007 29527 94751 87886 71101 62077 37358 54094 74623
11198 99231 13574 74400 11716 65270 65372 01924 00847 45957
98360 97042 46400 47951 91261 71940 31744 62300 84991 94447
96198 11675 56214 25661 86652 89101 99847 67326 89069 82809
50193 23667 48701 08558 98470 46475 59169 83172 27386 56326
96358 23572 85537 76682 42354 65624 52115 74602 51546 90180
86983 81815 12580 73667 85571 26886 11127 22483 29013 97505
61891 92026 97398 42591 48922 62668 88528 75951 15562 53391
20691 80841 59416 36721 73448 46644 76163 10198 32785 55718
02969 17995 39240 14435 43132 75770 73766 74907 67176 70393
76646 62975 50766 87077 09078 80468 69354 16945 78538 14884
97558 68222 59061 54889 18675 15130

9382/10582/11582 kHz, 0600/0620/0640 UTC

9382/10582/11582 kHz, 02-01, 0600/0620/0640 UTC

07532 00001 00000 34662

9382/10582/11582 kHz, 04-01, 0600/0620/0640 UTC

07288 00001 00000 36267

9382/10582/11582 kHz, 09-01/11-01, 0600/0620/0640 UTC

00512 00140 31725 49990 37988 01530 37134 47210 07290 45952
85576 58491 86931 86656 11888 87397 36261 11645 13462 51832
86835 47230 00425 01574 39529 99682 88236 56831 39627 60436
50395 77473 11340 51662 72867 93188 70969 23713 14294 54922

85442 53326 55782 25883 16212 55559 16932 39122 38155 39206
59119 43925 96552 88733 62533 15627 42917 03325 70361 51555
89434 01010 73718 06855 76782 86740 22365 52126 77690 76281
12013 28639 50830 57555 61940 83072 31867 53449 11746 38446
12697 11917 79827 15138 65237 05927 14269 79889 62239 37892
03447 41462 22838 23325 02283 98903 99322 99850 29390 71560
83254 19191 73578 45465 99345 92862 13712 35962 24823 05572
32076 05560 17354 04274 03189 62412 49524 20398 78305 44567
45840 99323 68474 31947 77426 46008 22219 49991 53568 62039
26525 48461 56371 62817 01570 08369 90688 23549 55429 53407
08265 56922 16407

9382/10582/11582 kHz, 16-01, 0600/0620/0640 UTC

08855 00001 00000 37665

9382/10582/11582 kHz, 18-01, 0600/0620/0640 UTC

04206 00001 00000 35254

9382/10582/11582 kHz, 23-01/25-01, 0600/0620/0640 UTC

05839 00224 65582 60469 83349 09403 57246 79353 48263 81173
80781 08115 38325 57093 06543 08657 05586 56511 00308 64561
89602 94153 38833 08381 14238 29083 01000 03088 22636 50035
78335 53735 50620 54635 83172 16365 27002 33852 06214 58601
65587 23931 85824 86240 86770 08656 80256 05283 30308 23306
26835 13006 36806 80586 43308 38368 64286 47900 76108 63359
49349 14088 88855 00773 21306 42035 53091 51211 17481 29370
67033 08963 62050 93148 95205 03718 54987 02716 01847 79033
21614 74885 33805 26910 69820 90703 85655 40548 04131 71289
15822 81884 28232 38061 29058 66330 45783 77663 22069 31240
06208 02988 88725 78778 83248 70862 37603 00503 86683 78008
68088 53062 83508 38683 46283 41933 56637 00806 66737 30168
60883 28063 53083 85866 77828 35265 33036 25082 63630 63828
83033 46160 31338 00381 23667 83065 86680 50118 26048 38630
83518 66336 86338 30363 83868 13653 63803 16680 53460 80836
36635 07680 84225 88308 01388 35668 34463 06338 86332 03785
68663 56590 50650 58638 03638 63830 22350 37288 00372 20132
80888 85100 80683 26686 63500 03052 10605 24063 38386 08876
32866 26786 00222 88860 86788 38884 00073 00053 27260 33117
57045 40686 56726 61757 70487 88043 08123 03550 36626 00084
87147 21682 08248 52752 04345 62102 08968 35385 35281 61848
03386 83386 91873 09632 03579 30640 76860 80856 88683 81429
25703 08800 00017 85332 07368 31863 00304

9382/10582/11582 kHz, 30-01, 0600/0620/0640 UTC

08039 00001 00000 35663

10231/9331/8131 kHz, 1100/1120/1140 UTC

10231/9331/8131 kHz, 02-01, 1100/1120/1140 UTC

09889 00001 00000 41671

10231/9331/8131 kHz, 05-01, 1100/1120/1140 UTC

08999 00001 00000 42271

10231/9331/8131 kHz, 09-01/12-01/16-01/19-01, 1100/1120/1140 UTC

00297 00068 80021 80003 48783 83085 68323 08278 05038 02393
00368 56366 58561 08186 56883 86603 00382 88673 27068 22161
48200 02805 20058 03877 63320 38807 80273 74720 38003 86888
68081 78374 82255 83608 89723 99079 14206 38302 42370 44380
26268 07855 88856 57520 27774 28208 22333 24611 25848 31893
23882 53283 68116 04768 65261 21788 75508 09706 82567 53306
03235 08678 29363 07072 76000 05836 68751 75370 80208 80335
00022

10231/9331/8131 kHz, 23-01, 1100/1120/1140 UTC

01813 00001 00000 36652

10231/9331/8131 kHz, 26-01, 1100/1120/1140 UTC

06929 00001 00000 42260

10231/9331/8131 kHz, 30-01, 1100/1120/1140 UTC

08263 00138 96537 62117 05340 79222 01323 83997 63740 24860
63500 82310 38498 40681 61581 78515 41938 83223 80794 30604
49667 92670 73782 27660 05456 71776 80631 50405 81485 07472
62160 91506 35137 16112 11161 41280 88398 63315 56012 32189
49170 19171 24117 34181 70429 89339 88415 75290 13106 87029
46765 32815 25069 49483 82317 25511 19991 64136 93993 82805
32936 45045 48544 03352 21020 40115 61147 85192 62533 00866
17926 27447 95295 67450 88894 15325 24989 21886 72135 81439
39627 23531 75805 01818 32620 50122 51324 96739 29405 37261
34406 18573 76274 26894 34788 70161 43908 32807 60839 86051
76876 65068 72382 27616 76581 68892 92439 91192 39333 10618
56284 06186 52915 38502 73715 65910 51541 78583 73763 11854
14288 77761 69200 98077 91579 01905 86669 53782 76922 79218
18831 75464 06211 43658 90649 54032 94659 04637 32282 68562
20266

10465/9165/8065 kHz, 1600/1620/1640 UTC

10465/9165/8065 kHz, 02-01, 1600/1620/1640 UTC

01725 00001 00000 37253

10465/9165/8065 kHz, 04-01, 1600/1620/1640 UTC

02807 00001 00000 40652

10465/9165/8065 kHz, 09-01, 1600/1620/1640 UTC

03636 00001 00000 37256

10465/9165/8065 kHz, 11-01, 1600/1620/1640 UTC

05574 00001 00000 35664

10465/9165/8065 kHz, 16-01/18-01, 1600/1620/1640 UTC

00113 00200 25129 29451 60262 92112 72947 26408 73286 76237
12664 06584 10309 05043 30728 45941 77604 33142 65998 32107
13775 62722 35761 43466 97215 35401 27024 03030 87331 78941
30516 81639 30024 58016 43680 98124 24275 38132 09377 07082
61900 09325 61544 03536 65700 73003 16106 00186 17125 17112
80791 85071 68577 09553 53412 54536 71792 34754 38301 77355
14549 86088 74588 20112 36236 89502 00988 91392 24832 32360
79377 88697 69167 07137 73672 57047 56834 87738 21256 35143
22366 39256 35986 03736 28521 80564 37796 46698 94055 26415
78355 12996 79015 05008 69379 56817 73391 09812 32802 24181
97801 03147 94824 50400 06123 91780 41866 02976 23507 10922
18021 06578 50414 28869 58488 49368 55770 43772 69967 81389
37425 55073 37715 08481 58520 61761 90060 77378 33500 35067
98167 48080 07156 44123 00920 12576 38595 51060 90302 01038
47284 27184 27792 15511 47221 67893 21634 41122 64170 50728
21695 85118 40684 06487 00289 16935 04723 80801 55240 19235
48529 10745 38057 98253 63616 96087 41018 17334 35662 23235
26786 87112 75018 80317 34302 24980 25612 30201 50800 84162
63555 43750 04423 28162 77309 66100 23453 37878 00631 25553
88752 27045 73808 08121 12605 69948 81916 84351 20123 02770
54667 08931 44335

10465/9165/8065 kHz, 23-01, 1600/1620/1640 UTC

06566 00001 00000 36664

10465/9165/8065 kHz, 25-01, 1600/1620/1640 UTC

03639 00001 00000 40656

10465/9165/8065 kHz, 30-01, 1600/1620/1640 UTC

06751 00179 79672 04368 69694 41888 63525 40756 65008 55531
58337 65829 65519 45280 48372 26159 36141 35444 10743 30697
60282 56099 28261 85318 21435 06247 46639 62295 03212 48338
19021 40347 04688 95595 50745 40580 80067 35972 65380 08334
10844 58218 64357 10624 32366 22274 82006 33719 73719 27741
24719 82116 02609 30519 81802 40068 45722 21459 85808 73873
16786 60986 63077 23091 82448 19881 75522 35711 09225 03840
93697 04718 10106 20727 93246 66315 19923 25976 62688 71383
77048 74736 08292 93844 90569 16387 56643 99233 00049 95699
60738 28012 80406 76329 93171 77642 89389 66981 94835 22469
96283 91974 23714 19484 82535 18876 54593 38667 02677 27723
74371 60372 79265 03000 68328 21443 64166 61116 51805 04598
68411 01229 79110 18514 04268 36254 55740 38436 02368 87036
80132 55562 86164 91434 03396 10112 37590 67077 27385 59381
10825 91325 49790 89947 85051 42992 46970 32527 54892 79814
24076 48555 15480 52287 96129 63009 61376 54839 30621 15422
66501 78197 90631 38836 64024 66868 91670 04437 20114 72227
54060 38986 86838 14622 99291 06881 89770 19579 56313 71527
43796 43016

11493/13393/13993 kHz, 0800/0820/0840 UTC

11493/13393/13993 kHz, 03-01, 0800/0820/0840 UTC

02664 00001 00000 36260

11493/13393/13993 kHz, 08-01, 0800/0820/0840 UTC

08279 00001 00000 36667

11493/13393/13993 kHz, 10-01, 0800/0820/0840 UTC

01347 00001 00000 36255

11493/13393/13993 kHz, 15-01/17-01/22-01/24-01, 0800/0820/0840 UTC

00449 00257 11156 92837 77926 82335 53790 60592 15018 44691
83470 02704 37556 70837 09898 36419 57474 19147 79723 15200
43692 12467 94073 39358 13321 99939 12976 62689 80897 28125
60801 38099 13182 79544 24984 80807 90378 04748 80080 59243
45369 03745 87777 97200 62719 32489 73735 86599 01162 97248
84736 37637 91664 14416 66802 21514 57830 03101 48120 19804
86548 91014 30672 46725 60640 73186 25908 55689 60213 12632
02534 64922 11629 07530 85665 53572 01323 55101 59202 84304
31071 10302 83835 91398 30464 03827 51035 62422 55719 98998
74755 77291 32675 16674 30435 60596 54192 64302 13154 82827
44348 54316 44944 02066 49547 74259 49104 58087 57658 08436
07740 52792 15511 02226 81922 32718 25703 77679 31947 48629
18238 74746 63938 27321 45021 51351 23716 82485 56007 47758
06543 03542 26194 62133 71413 32714 92948 17728 55890 11431
66033 40426 01955 71070 76176 66602 89497 55325 42981 75630
14656 73215 53918 63222 58739 22556 06710 98669 58586 51174
37422 71101 60916 00517 00005 58631 06216 20729 17462 48071
22743 31887 73022 35613 71560 32224 73051 47243 71557 58133
89520 43738 37181 72944 30358 42394 04211 47317 54671 97110
14990 44347 24476 53516 18765 49488 57311 25150 82952 19484
75947 29847 45163 16432 64982 43678 42021 19266 96222 97200
68733 65313 13931 88319 13861 32354 62814 18950 89906 71224
42573 10707 85171 12159 20029 56163 89937 11513 37890 15550
70944 87388 52809 46583 27389 40652 75695 94212 41535 27714
48080 99699 92903 13255 02299 89965 29641 99351 49448 98508
39756 86118 70179 04274 69896 71896 97104 00803 19995 11430

11493/13393/13993 kHz, 29-01/31-01, 0800/0820/0840 UTC

09450 00199 51139 44299 02510 51509 82377 37071 20789 95553
27956 06042 82437 95353 49070 90170 13294 84236 01840 73056
76745 93825 38770 58992 57177 21312 51560 50443 25630 26720
89934 12915 53352 49555 87962 94327 62243 57988 30623 39646
38963 14536 32310 23219 47565 20045 25340 56514 24540 97686
95552 56346 90940 93324 72263 09462 56747 81940 51005 31810
49126 39466 60068 53235 80611 06501 28378 15438 23881 28999
89100 21822 32475 22504 90391 73899 85744 19561 64024 80956
30413 71197 14644 55931 62900 44673 96366 03587 77587 18451
31163 60172 18236 00716 07348 26084 46007 91655 14029 44208
44622 82635 78391 73453 26225 52090 22765 56148 41428 27614
33322 78811 01799 90426 10720 33643 92407 39506 09314 21428
45195 42931 20498 54971 05000 25933 48688 60190 50232 27807
25523 99614 78927 45236 64823 87896 25289 18614 14877 51655
63998 41093 38865 16340 89436 39997 26634 89577 21633 39348
56680 78621 41357 53766 57167 20041 01984 56646 43516 65632
80197 66744 91519 73788 40884 07757 38746 21662 54681 85491
20103 39836 91741 69623 89494 41533 00454 68900 72355 02348
81878 14088 16079 64299 41470 76158 82852 90867 89555 55669
22565 42872 78229 38288 35739 85304 04345 74705 40869 94882
45854 62525

13384/12184/10984 kHz, 1100/1120/1140 UTC

13384/12184/10984 kHz, 03-01/04-01/10-01/11-01, 1100/1120/1140 UTC

00679 00144 23044 05140 96659 87113 87637 50512 80222 02777
79503 57384 34281 23784 02178 85634 83054 70074 67471 49725
10803 35429 90927 16421 52931 14808 87773 74272 93735 94845
00350 90426 52516 70972 19082 07136 86531 61730 59867 57867
37369 77115 68577 86908 10881 38877 77742 11258 54225 30634
49247 43937 38077 88685 43901 24407 61641 67069 04271 19355
31807 64770 48902 39634 10645 49185 42452 55292 73572 67729
59978 33746 82507 85385 97957 06020 20321 40395 51869 78677
39725 73554 77141 80700 96762 23260 73647 32538 59784 23611
70709 75611 22350 81631 23869 73866 99141 06919 79007 69250
21823 12095 95850 09845 84845 73879 27803 04558 84372 12676
89810 87290 27159 82918 17558 00282 63520 84386 91154 18524
69908 07274 81606 49876 13970 20068 46072 70811 31684 40160
86829 86480 57655 11067 93332 83218 88836 97897 24387 71912
83001 72632 45510 09095 04959 60849 55024

13384/12184/10984 kHz, 17-01, 1100/1120/1140 UTC

01297 00001 0000 35662

13384/12184/10984 kHz, 18-01, 1100/1120/1140 UTC

06307 00001 00000 36656

13384/12184/10984 kHz, 24-01/25-01/31-01, 1100/1120/1140 UTC

00710 00039 66225 04794 71178 83018 92315 12435 56579 03395
09402 05378 29846 78077 41935 69820 31497 81900 15417 75618
21735 23345 50865 25942 90441 88981 10105 03223 76422 28726
14774 26365 00085 93492 27091 39971 39205 81700 14833 73744
42985 21337

13878/14978/16278 kHz, 1200/1220/1240 UTC

13878/14978/16278 kHz, 03-01/05-01, 1200/1220/1240 UTC

00702 00201 58783 00878 80785 00652 66381 06363 56858 35836
23883 88656 38838 18618 36272 80083 80480 20783 32878 33273
34833 37428 47049 39998 77439 65552 44570 87400 53528 78860
71055 56094 23216 00024 96060 77159 03467 00060 43387 42414
81174 22290 96556 51948 66276 68647 20866 21600 63127 99631

48439 57468 05724 40729 38335 12957 57192 79427 37240 01923
88889 41640 24627 06035 17611 29168 48755 61133 15264 65596
66618 78033 55720 68517 88661 61918 73338 33127 52902 52705
07354 53350 33016 00806 66700 73879 53384 05818 35617 49352
88687 34358 98767 96292 77137 27790 70580 82530 28631 00376
39034 47137 55765 35375 95759 59106 48392 06334 02202 90792
27152 85496 34879 90174 28780 03225 63679 77093 77069 26614
48207 26546 57166 18654 83577 44485 87850 86174 19556 27287
83135 78821 18177 12191 40782 38008 92007 16326 56655 02095
01850 72884 72463 40818 08876 60055 00013 26268 71347 33002
68544 95780 60764 07506 53680 48554 58110 60068 58624 04332
16383 31004 46313 03323 35588 33685 31883 55133 75646 06564
76432 71870 88137 50188 00185 12667 00780 30182 56058 33663
32103 86283 50013 78864 10826 30245 83135 36810 60688 67232
88727 50313 76568 10600 53708 77665 08312 00063 18462 83147
60722 66263 55008 35512

13878/14978/16278 kHz, 10-01/12-01, 1200/1220/1240 UTC

00690 00183 96775 57906 41101 65007 66913 86459 79184 72440
31357 65704 33381 12169 83716 16417 68419 70801 76810 52885
50379 02894 49283 06676 35189 84005 88564 58998 97836 26967
91628 87787 10434 01412 95077 00546 17763 81990 79045 34040
45755 73138 04962 94501 97697 94033 88548 37763 80602 34378
70068 44931 50954 59939 98586 33320 58966 31132 94704 31900
35635 49872 22946 35576 92118 87902 88667 55429 25326 31033
76042 78602 09600 28572 41159 25743 43496 92943 90888 58750
46895 72078 86804 03377 85139 36339 78427 45584 23106 56551
96681 66673 63805 99240 58590 01356 27297 77776 73008 58054
67889 66805 23120 74647 03996 55486 09785 21560 02863 41648
55114 21571 73795 04810 95856 97241 60469 18579 89177 28930
07904 16942 76151 76575 64359 08081 19443 66958 72972 82945
60255 06376 22581 69040 98001 96350 21015 64406 93562 17499
41391 91709 66827 20012 66730 52683 01124 37729 88126 76876
04601 10954 26264 12558 27516 89540 11212 48328 26943 78619
48518 12900 01433 54642 88381 22648 64346 45053 38212 58476
98320 38667 32202 62280 00269 77951 72570 40454 05628 82275
75089 29153 43401 24943 83551 04044

13878/14978/16278 kHz, 17-01/19-01, 1200/1220/1240 UTC

00534 00070 91774 04523 23367 84874 94282 15058 26249 11633
32157 52159 35727 96509 11688 23714 52867 70994 35892 38740
50880 53583 76140 66449 01011 50374 96774 38670 56839 55108
44750 43410 08165 45689 97188 99889 47597 94963 65076 80663
22469 81213 10999 63443 21673 48234 24054 65654 77150 98114
10294 57878 64801 14496 43653 40421 26872 56492 29316 31113
13838 52068 01455 39607 49796 27443 60850 96818 03754 71146
59175 60780 64475

13878/14978/16278 kHz, 24-01/26-01, 1200/1220/1240 UTC

02567 00140 60123 14637 84439 54646 69611 98765 91694 06621
92409 45858 00759 17668 65645 51376 73537 58484 40618 95763
60300 76852 05115 15122 79508 30491 50106 83266 68079 60219
45543 79282 29917 18980 22805 77165 91452 25609 76227 38826
71162 26302 83720 68414 01710 42153 83225 64499 31037 97962
70776 63538 89226 78545 20674 20695 43743 56120 21786 18495
27730 15813 93840 51267 09430 01623 88992 34732 48783 98549
37560 65534 02323 65125 32103 37670 80132 07630 32654 24161
92441 80163 52437 15966 33192 17526 31962 63194 33967 09327
77920 30452 17528 51403 75034 29020 10132 54329 31326 06948
69737 42019 79647 05099 11117 81032 97123 77551 89549 20422
92493 17720 73539 14266 34300 77667 92064 39947 43181 60859
45713 10536 06917 19967 61518 17805 57870 09204 48112 26451
83165 08071 66057 19802 81281 46972 65065 80226 04698 06264
30383 96486 24570

13878/14978/16278 kHz, 31-01, 1200/1220/1240 UTC

02272 00152 86666 19990 67207 64827 21547 20728 72013 84402
32328 73855 93047 80166 66630 74784 35160 14204 15515 46313
06507 89369 08115 33556 33256 23931 65051 94432 13794 95762
79934 62268 19955 91349 72990 27653 96062 97721 59138 11764
89889 12453 38076 25507 33974 49421 44758 34807 60754 90009
64691 30933 19008 96274 95788 34396 22991 83842 10630 05218
41117 30692 57129 50166 66578 12242 72627 36443 07819 80605
81967 13467 81242 35146 17048 88300 53846 76539 02120 53680
16958 52050 25534 21980 91838 27804 34146 85748 82057 67545
58236 30247 40882 63900 24689 28488 61108 35073 90128 32127
81006 31897 62412 84859 51383 09606 00330 53669 80186 22513
07700 31299 28587 01113 83079 57090 22031 94393 52423 01129
54954 61237 79976 54417 21491 74254 62166 47707 83248 16503
19604 07017 55145 83548 37540 47615 57432 38166 76446 43266
98709 74485 59041 63191 56405 54666 36068 49585 49992 73934
06992 65355 85816 58479 11474

14794/13994/12194 kHz, 0910/0930/0950 UTC

14794/13994/12194 kHz, 04-01, 0910/0930/0950 UTC

02126 00001 00000 34654

14794/13994/12194 kHz, 06-01, 0910/0930/0950 UTC

04868 00001 00000 31662

14794/13994/12194 kHz, 11-01, 0910/0930/0950 UTC

03766 00001 00000 37661

14794/13994/12194 kHz, 13-01, 0910/0930/0950 UTC

06760 00001 00000 34664

14794/13994/12194 kHz, 18-01/20-01, 0910/0930/0950 UTC

00688 00120 58674 82231 35295 72457 17911 77627 62813 17130
78867 23879 45482 14069 91367 17979 38237 22410 40113 14195
54759 04226 81446 82103 73826 03965 36185 94309 27959 84245
89695 79969 68649 58281 43962 34999 74219 28050 93787 99387
14278 05431 80328 07702 53207 90380 17690 14077 47857 31402
74553 16290 72540 48909 83099 43713 24337 15873 50561 79550
76458 38877 11666 51874 51270 20120 67356 71577 66358 10884
47768 00168 25975 69735 53997 58591 61653 38335 68606 35415
31486 27067 55797 55240 90095 66770 62936 11715 44389 27608
55031 14135 33140 35410 04174 59441 27704 16721 22903 76976
42512 81316 94729 43573 99467 15260 68430 95916 75475 41130
81364 13304 54387 91644 09349 25993 95261 28129 96617 83397
83445 92993 23644

14794/13994/12194 kHz, 25-01/27-01, 0910/0930/0950 UTC

00502 00066 76826 40200 22955 09309 61094 18484 06693 66444
29879 28629 80061 15943 35100 27126 55021 94886 21558 27447
42679 27521 62579 84298 13985 88367 91727 60358 70660 41606
54549 40871 35397 28179 28394 19857 33193 31727 00372 44792
85672 92722 78054 67000 72504 02112 86866 57286 62415 66301
30581 88588 42068 88836 34550 06268 80325 15556 58683 10333
03866 05151 08023 82060 24047 62506 85604 74851 01003

16327/18227/19627 kHz, 0900/0920/0940 UTC

16327/18227/19627 kHz, 05-01/07-01, 0900/0920/0940 UTC

00763 00074 66427 44992 85619 15839 08804 13937 41722 43599
85104 58083 64514 80739 73171 17125 67205 85334 52971 61386
58079 98573 23444 45172 05847 50457 10405 94338 09259 53102
31803 41343 79104 76181 07013 98651 29879 65021 95702 19949

59164 63293 00745 95129 36612 32220 01286 56395 36527 95566
39408 43072 52563 80529 80090 16024 68490 77824 32836 37767
32550 35437 05240 01003 20542 20834 83529 41089 61870 77041
77840 25862 61113 97113 21973 39324 72741

16327/18227/19627 kHz, 12-01/14-01, 0900/0920/0940 UTC

02818 00088 40360 70658 93443 65658 53306 36285 87880 33888
38006 85786 22536 86838 27870 82868 07527 20090 08483 63283
38380 68155 20022 86885 83554 39534 54976 34164 70335 90273
00357 48081 09556 97677 56113 26982 96540 88989 01445 42086
14887 88065 28928 30743 81617 39772 77691 59772 36012 18656
98760 96753 33957 30193 80780 90318 65961 38974 72382 91060
50332 26955 69330 81871 32603 97341 60615 20503 14658 39450
81688 21760 31906 62235 92673 50337 63485 88880 81818 32783
92979 62185 73348 71881 82363 90890 70063 85214 24309 40661

16327/18227/19627 kHz, 19-01, 0900/0920/0940 UTC

06614 00001 00000 36257

16327/18227/19627 kHz, 27-01, 0900/0920/0940 UTC

06252 00001 00000 33263

16327/18227/19627 kHz, 26-01/28-01, 0900/0920/0940 UTC

05390 00071 12857 56332 95341 46062 59178 05918 10352 38933
87820 34767 26221 53709 86852 17788 21211 33709 51643 99031
95828 87101 90228 63885 40723 64724 42528 12252 99037 96453
13412 58129 29592 74836 26740 73529 50271 95998 36791 59268
32970 81524 32494 41297 42981 80699 60489 52149 30084 74547
05531 59507 47712 94824 07763 88496 29145 41167 89549 29187
20916 90637 68643 79739 80102 64704 52353 44787 81262 12441
19988 93668 73391 03704

XPB1

12187 kHz, 01-01/02-01/08-01/09-01/15-01/16-01/22-01/23-01/29-01/30-01, 0600 UTC
13387 kHz, 01-01/02-01/08-01/09-01/15-01/16-01/22-01/23-01/29-01/30-01, 0610 UTC
13887 kHz, 01-01/02-01/08-01/09-01/15-01/16-01/22-01/23-01/29-01/30-01, 0620 UTC
14487 kHz, 01-01/02-01/08-01/09-01/15-01/16-01/22-01/23-01/29-01/30-01, 0630 UTC
14987 kHz, 01-01/02-01/08-01/09-01/15-01/16-01/22-01/23-01/29-01/30-01, 0640 UTC
15887 kHz, 01-01/02-01/08-01/09-01/15-01/16-01/22-01/23-01/29-01/30-01, 0650 UTC

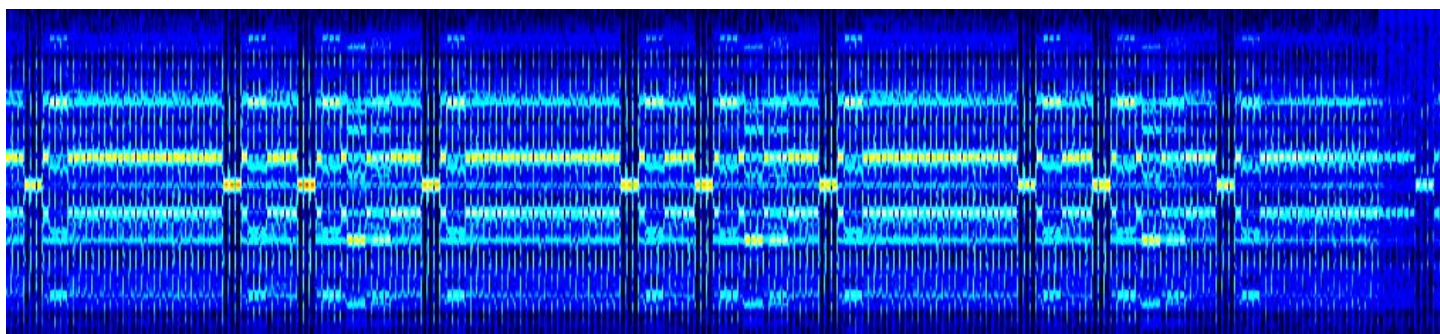
14769 kHz, 01-01/06-01/08-01/13-01/15-01/20-01/22-01/27-01/29-01, 1100 UTC
14369 kHz, 01-01/06-01/08-01/13-01/15-01/20-01/22-01/27-01/29-01, 1110 UTC
13969 kHz, 01-01/06-01/08-01/13-01/15-01/20-01/22-01/27-01/29-01, 1120 UTC
13369 kHz, 01-01/06-01/08-01/13-01/15-01/20-01/22-01/27-01/29-01, 1130 UTC
12169 kHz, 01-01/06-01/08-01/13-01/15-01/20-01/22-01/27-01/29-01, 1140 UTC
11169 kHz, 01-01/06-01/08-01/13-01/15-01/20-01/22-01/27-01/29-01, 1150 UTC

20069 kHz, 02-01/05-01/09-01/12-01/16-01/19-01/23-01/26-01/30-01, 1300 UTC
19369 kHz, 02-01/05-01/09-01/12-01/16-01/19-01/23-01/26-01/30-01, 1310 UTC
18269 kHz, 02-01/05-01/09-01/12-01/16-01/19-01/23-01/26-01/30-01, 1320 UTC
17469 kHz, 02-01/05-01/09-01/12-01/16-01/19-01/23-01/26-01/30-01, 1330 UTC
16269 kHz, 02-01/05-01/09-01/12-01/16-01/19-01/23-01/26-01/30-01, 1340 UTC
15969 kHz, 02-01/05-01/09-01/12-01/16-01/19-01/23-01/26-01/30-01, 1350 UTC

15925 kHz, 03-01/06-01/10-01/13-01/17-01/20-01/24-01/27-01/31-01, 1200 UTC
14825 kHz, 03-01/06-01/10-01/13-01/17-01/20-01/24-01/27-01/31-01, 1210 UTC
13425 kHz, 03-01/06-01/10-01/13-01/17-01/20-01/24-01/27-01/31-01, 1220 UTC
12125 kHz, 03-01/06-01/10-01/13-01/17-01/20-01/24-01/27-01/31-01, 1230 UTC
10425 kHz, 03-01/06-01/10-01/13-01/17-01/20-01/24-01/27-01/31-01, 1240 UTC
9325 kHz, 03-01/06-01/10-01/13-01/17-01/20-01/24-01/27-01/31-01, 1250 UTC

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

4153 kHz, 11-01, 1650 UTC, QPSK 1500Bd
4231.5 kHz, 11-01, 1650 UTC, QPSK 1500Bd
4291 kHz, 11-01, 1650 UTC, QPSK 1500Bd
6250 kHz, 11-01, 1650 UTC, QPSK 1500Bd
6417 kHz, 11-01, 1650 UTC, QPSK 1500Bd
6445 kHz, 11-01, 1650 UTC, QPSK 1500Bd
8313bb kHz, 11-01, 1650 UTC, QPSK 1500Bd
8588 kHz, 11-01, 1650 UTC, QPSK 1500Bd
8703.5 kHz, 11-01, 1650 UTC, QPSK 1500Bd
8588 kHz, 11-01, 1650 UTC, QPSK 1500Bd



DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

14755 kHz, 02-01, 0929 UTC, RFSM	MFA Sofia traffic
18515 kHz, 02-01, 1126 UTC, RFSM	MFA Sofia traffic
17440 kHz, 02-01, 1326 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 02-01, 1327 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 02-01, 1359 UTC, RFSM	MFA Sofia traffic
14755 kHz, 03-01, 1038 UTC, RFSM	MFA Sofia traffic
18515 kHz, 03-01, 1125 UTC, RFSM	MFA Sofia traffic
17440 kHz, 03-01, 1328 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 03-01, 1327 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 03-01, 1356 UTC, RFSM	MFA Sofia traffic
9048 kHz, 04-01, 0859 UTC, RFSM	Bulgarian diplo
18455 kHz, 04-01, 0910 UTC, RFSM	MFA Sofia traffic
14755 kHz, 04-01, 0925 UTC, RFSM	MFA Sofia traffic
9045 kHz, 05-01, 0825 UTC, RFSM	Bulgarian diplo
18515 kHz, 05-01, 1126 UTC, RFSM	MFA Sofia traffic
17440 kHz, 05-01, 1324 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 05-01, 1328 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
17440 kHz, 08-01, 1326 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 08-01, 1329 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 08-01, 1356 UTC, RFSM	MFA Sofia wkg unid embassy
14755 kHz, 09-01, 0926 UTC, RFSM	MFA Sofia traffic
18519 kHz, 09-01, 1125 UTC, RFSM	MFA Sofia traffic
13369 kHz, 09-01, 1328 UTC, RFSM	MFA Sofia traffic
18455 kHz, 09-01, 1355 UTC, RFSM	MFA Sofia traffic
14755 kHz, 10-01, 1239 UTC, RFSM	MFA Sofia traffic
18515 kHz, 10-01, 1140 UTC, RFSM	MFA Sofia traffic
17440 kHz, 10-01, 1324 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 10-01, 1328 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 10-01, 1356 UTC, RFSM	MFA Sofia traffic
9050 kHz, 11-01, 0859 UTC, RFSM	Bulgarian diplo
14755 kHz, 11-01, 0928 UTC, RFSM	MFA Sofia traffic
18455 kHz, 11-01, 1355 UTC, RFSM	MFA Sofia traffic
17440 kHz, 11-01, 1325 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz

13365 kHz, 11-01, 1325 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
17440 kHz, 12-01, 1325 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 12-01, 1327 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 12-01, 1357 UTC, RFSM	MFA Sofia wkg unid embassy
18515 kHz, 15-01, 1127 UTC, RFSM	Bulgarian diplo
13365 kHz, 15-01, 1327 UTC, RFSM	Bulgarian diplo
18455 kHz, 15-01, 1357 UTC, RFSM	MFA Sofia wkg unid embassy
14755 kHz, 17-01, 0926 UTC, RFSM	MFA Sofia traffic
18515 kHz, 17-01, 1127 UTC, RFSM	MFA Sofia traffic
17440 kHz, 17-01, 1325 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 17-01, 1330 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 17-01, 1356 UTC, RFSM	MFA Sofia traffic
18515 kHz, 18-01, 1124 UTC, RFSM	MFA Sofia traffic
17440 kHz, 18-01, 1326 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 18-01, 1325 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 18-01, 1357 UTC, RFSM	MFA Sofia traffic
18515 kHz, 19-01, 1123 UTC, RFSM	Bulgarian diplo
17440 kHz, 19-01, 1324 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 19-01, 1324 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 19-01, 1355 UTC, RFSM	MFA Sofia wkg unid embassy
18515 kHz, 22-01, 1128 UTC, RFSM	Bulgarian diplo
14770 kHz, 22-01, 1325 UTC, RFSM	MFA Sofia traffic
13365 kHz, 22-01, 1329 UTC, RFSM	Bulgarian diplo
18455 kHz, 22-01, 1358 UTC, RFSM	MFA Sofia wkg unid embassy
14755 kHz, 24-01, 0754 UTC, RFSM	Bulgarian diplo
18515 kHz, 24-01, 1127 UTC, RFSM	MFA Sofia traffic
17440 kHz, 24-01, 1326 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 24-01, 1326 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 24-01, 1356 UTC, RFSM	MFA Sofia traffic
18515 kHz, 25-01, 1125 UTC, RFSM	MFA Sofia traffic
17440 kHz, 25-01, 1326 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 25-01, 1328 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18515 kHz, 26-01, 1124 UTC, RFSM	Bulgarian diplo
17440 kHz, 26-01, 1325 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 26-01, 1328 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
9045 kHz, 31-01, 0825 UTC, RFSM	Bulgarian diplo
9050 kHz, 31-01, 0900 UTC, RFSM	Bulgarian diplo
14755 kHz, 31-01, 1014 UTC, RFSM	Bulgarian diplo
18515 kHz, 31-01, 1125 UTC, RFSM	Bulgarian diplo
17440 kHz, 31-01, 1326 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 31-01, 1326 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 31-01, 1356 UTC, RFSM	MFA Sofia traffic

Diplomatic stations: Egypt

12226.7 kHz, 15-01, 1436 UTC, SITOR-A 100/170	MFA Cairo clg OOVC: Egyptian embassy New Delhi
12225 kHz, 15-01, 1436 UTC, CODAN	MFA Cairo traffic to 44406: Egyptian embassy New Delhi
13416.7 kHz, 30-01, 1458 UTC, SITOR-A 100/170	MFA Cairo. Coded traffic to OOVC: Egyptian embassy New Delhi

Diplomatic stations: North Korea

12800 kHz, 03-01, 0640 UTC QSX 13400 kHz
13400 kHz, 03-01, 0645 UTC QSX 12800 kHz
16252 kHz, 04-01, 0641 UTC
12850 kHz, 08-01, 0638 UTC. QSX 13400 kHz
13400 kHz, 08-01, 0638 UTC. QSX 12850 kHz
16252 kHz, 08-01, 0648 UTC
12800 kHz, 08-01, 0750 UTC. QSX 14300 kHz
14300 kHz, 08-01, 0750 UTC. QSX 12800 kHz
16252 kHz, 08-01, 1240 UTC
13000 kHz, 14-01, 1400 UTC

13200 kHz, 14-01, 1438 UTC
 12400 kHz, 15-01, 1236 UTC. QSX 14650 kHz
 14650 kHz, 15-01, 1236 UTC. QSX 12400 kHz
 14600 kHz, 17-01, 0812 UTC
 13400 kHz, 23-01, 1515 UTC
 13400 kHz, 29-01, 0630 UTC. QSX 13400 kHz
 16252 kHz, 29-01, 0630 UTC. QSX 13400 kHz
 14300 kHz, 29-01, 1205 UTC
 13400 kHz, 30-01, 0735 UTC. QSX 14355 kHz
 14355 kHz, 30-01, 0735 UTC. QSX 13400 kHz
 13100 kHz, 30-01, 0810 UTC

Diplomatic stations: Russia

20813 kHz, 09-01, 1000 UTC, Serdolik v2	Russian diplo. Selcal
20815 kHz, 09-01, 1010 UTC, Serdolik v2	Russian diplo
20813 kHz, 09-01, 1024 UTC, Serdolik v2	Russian diplo. Selcal
20815 kHz, 09-01, 1025 UTC, Serdolik v2	Russian diplo
16317 kHz, 09-01, 1008 UTC, MFSK-6	MFA Moscow clg 612534: Russian embassy Ashgabat
20813 kHz, 09-01, 1023 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
14656 kHz, 10-01, 0748 UTC, Serdolik v2	Russian diplo
11152 kHz, 10-01, 0917 UTC, Serdolik v2	Russian diplo. Selcal
11154 kHz, 10-01, 0918 UTC, Serdolik v2	Russian diplo
11153 kHz, 10-01, 0928 UTC, MFSK-6	MFA Moscow clg 465132: Russian embassy Sofia
17432 kHz, 10-01, 1006 UTC, MFSK-66	Russian diplo
11483 kHz, 10-01, 0818 UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest
16153 kHz, 11-01, 0812 UTC, MFSK-6	MFA Moscow clg 153624; Russian embassy Damascus
12195 kHz, 12-01, 0836 UTC, MFSK-66	Russian diplo
10431 kHz, 12-01, 0840 UTC, MFSK-66	Russian diplo
15985 kHz, 12-01, 0845 UTC, MFSK-66	Russian diplo
14392 kHz, 15-01, 0906 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
14358 kHz, 16-01, 0928 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
12149 kHz, 16-01, 0943 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
14828 kHz, 19-01, 0830 UTC, Serdolik v2	Russian diplo
17534 kHz, 18-01, 0758 UTC, MFSK-6	MFA Moscow clg 351264: Russian embassy Abu Dhabi
15654 kHz, 18-01, 1034 UTC, MFSK-66	Russian diplo
14824 kHz, 19-01, 1025 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
12130 kHz, 21-01, 0651 UTC, MFSK-6	MFA Moscow clg 452163: Russian embassy Kabul
10640 kHz, 21-01, 0652 UTC, MFSK-66	Russian diplo
16117 kHz, 22-01, 0942 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
19273 kHz, 22-01, 0949 UTC, Serdolik v2	Russian diplo. Test
19273 kHz, 22-01, 0953 UTC, Serdolik v2	Russian diplo
19275 kHz, 22-01, 0959 UTC, Serdolik v2	Russian diplo. Selcal
17475 kHz, 22-01, 0834 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
12098 kHz, 22-01, 1132 UTC, Serdolik v2	Russian diplo
17523 kHz, 23-01, 0827 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
17520 kHz, 23-01, 0958 UTC, MFSK-6	MFA Moscow clg 612534: Russian embassy Ashgabat
20815 kHz, 23-01, 1027 UTC, Serdolik v2	Russian diplo
20813 kHz, 23-01, 1035 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
20815 kHz, 23-01, 1045 UTC, Serdolik v2	Russian diplo
13942 kHz, 23-01, 1234 UTC, Serdolik v2	Russian diplo
14655 kHz, 24-01, 0756 UTC, MFSK-6	MFA Moscow clg 164253: Russian embassy Addis Ababa
13985 kHz, 24-01, 0859 UTC, MFSK-6	MFA Moscow clg 134265: Russian embassy Tunis
16153 kHz, 25-01, 0817 UTC, MFSK-6	MFA Moscow clg 153624: Russian embassy Damascus
17463 kHz, 26-01, 1016 UTC, MFSK-6	MFA Moscow clg 256134: Russian embassy Abidjan
19611 kHz, 26-01, 1023 UTC, MFSK-6	MFA Moscow clg 256134: Russian embassy Abidjan
15710 kHz, 28-01, 1113 UTC, MFSK-6	MFA Moscow clg 261453: Russian embassy Cairo
11071 kHz, 31-01, 0916 UTC, Serdolik v2	Russian diplo
14830 kHz, 31-01, 0917 UTC, Serdolik v2	Russian diplo

CLANDESTINE / TARGETED RADIO & JAMMERS

Russian-Ukrainian radio war

7050 kHz, 11-02, 1455 UTC, LSB	Radio war: jammed transmission
7055 kHz, 11-02, 1455 UTC, LSB	Radio war: songs
7055 kHz, 11-02, 1524 UTC, LSB	Radio war: anti Russia/Putin texts and insults
7050 kHz, 11-02, 1527 UTC, LSB	Radio war: several stations on top of each other
14160 kHz, 13-01, 1130 UTC, USB	Radio war: Slava Ukraini! and anti Russia slogans

UTILITY ROUND-UP

Unid stations

New Buzzer

6725 kHz, 01-01, 1430 UTC
7502 kHz, 01-01, 1430 UTC
8856 kHz, 01-01, 1430 UTC
7055 kHz, 04-01, 0617 UTC
6725 kHz, 08-01, 1410 UTC
7502 kHz, 08-01, 1410 UTC
8856 kHz, 08-01, 1410 UTC
6725 kHz, 15-01, 1430 UTC

MFSK-13

18561 kHz, 10-01, 1225 UTC, MFSK-13

Unid morse station

Not found on January 1st

14442 kHz, 02-01, 1010 UTC

55555 (x20)
BDTOP XKOCE XKOCE UKEMO RTSMA UKEMO 22222 (x20)
XKOCE UKEMO XKOCE XKOCE TUORS XKOCE 00000 (x20)
BDTOP UKEMO XKOCE BDTOP RTSMA UKEMO 22222 (x20)
RTSMA TUORS RTSMA XKOCE BDTOP XKOCE 55555 (X20)
TUORS RTS, A UKEMO XKOCE UKEMO TRSMA 55555 (x20)
BDTOP RTSMA XKOCE RTSMA XKOCE UKEMO 00000 (x20)
RTSMA BDTOP XKOCE XKOCE XKOCE RTSMA 11111 (X20)
RTSMA XKOCE TUORS UKEMO TUORS BDTOP 55555 (x20)
XKOCE UKEMO UKEMO RTSMA RTSMA BDTOP 55555 (x20)
XKOCE UKEMO XKOCE RTSMA TUORS BDTOP 00000 (x20)
XKOCE BDTOP RTSMA TUORS UKEMO RTSMA 00000 (x20)
RTSMA XKOCE NDTOP UKEMO UKEMO TUORS 00000 (x20)
TUORS TUORS XKOCE RTSMA UKEMO UKEMO 22222 (x20)
etc.

14442 kHz, 02-01, 1504 UTC, i.p.

11111 (x20)
TUORS UKEMO TUORS RTSMA BDTOP TUORS 22222 (x20)
BDTOP BDTOP RTSMA TUORS RTSMA RTSMA 00000 (x20)
RTSMA TUORS TUORS XKOCE UKEMO BDTOP 11111 (x20)
RTSMA RTSMA TUORS RTSMA RTSMA UKEMO 11111 (x20)
TUORS RTSMA XKOCE RTSMA XKOCE XKOCE 00000 (x20)
etc.

Not found after 2 January.

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from messages submitted by AB, WN, Cic

Monolith stations

Western District

Goose channel

3243 kHz, 23-01, 1724 UTC78 280 LUKOSHKO 02 71 47 49

3243 kHz, 23-01, 1729 UTC92 807 TIRANIYA 94 86 23 36

3243 kHz, 23-01, 1734 UTC71 805 ATAKOVANNYY 91 03 60 52

After the last message, the channel marker went on for a minute or two, then off

Morse transmissions

Russian Military morse traffic

7859 kHz, 28-01, 0603 UTC

VVV B4WW DE F1KD K

B4WW DE F1KD K

B4WW DE F1KD K

RK

Russian Navy morse traffic

8345 kHz, 08-01, 1802-1830 UTC

VVV RCV DE RBDF QSA? QTC K

VVV RIW DE RBDF QSA? QTC K

VVV RIT DE RBDF QSA? QTC K

VVV RCV DE RBDF QSA? QTC K

VVV RIW DE RBDF QSA? QTC K

RBDF 996 34 8 2005 996 = SML FOR RCV RBDE =

22222 05905 18684 75698 31422 83918 67443 17104 82013 55597

15000 06235 48947 46447 49601 96884 36616 76274 59263 52163

25667 50917 88280 30658 99911 86607 18848 42141 41309 90561

08030 = AR RBDF K

RBDF 701 16 8 2100 701 = SML FOR RIF4 RJE73 =

08181 99346 10229 41/97 72312 10176 40093 56013 70222 8////

22272 00180 08012 = AR RBDF K

(34.6N 022.9E Heading NW@ 6-10Kts)

RBDF OK QRU K

6461.5 kHz, 09-01, 1754 UTC

RCRE RCRE RCRE DE RMP RMP QTC 622 12 9 1051 622 =

84152 15383 47933 99347 09494 09408 65841 48120 76235 23233 99062 09011 =

RCRE RCRE RCRE DE RMP RMP QTC 622 12 9 1051 622 =

84152 15383 47933 99347 09494 09408 65841 48120 76235 23233 99062 09011 AR

6461.5 kHz, 09-01, 1802 UTC

REO REO REO DE RMP RMP QTC 519 11 9 1053 519 =

61815 38255 21094 73064 47281 08016 21096 49062 26521 00317 09010 =

REO REO REO DE RMP RMP QTC 519 11 9 1053 519 =

61815 38255 21094 73064 47281 08016 21096 49062 26521 00317 09010 AR

12464 kHz, 14-01, 1505 UTC, i.p.

3 80327 94346 55381 86216 35057 07827 30148 07823 19006 50888

9165 18983 43977 41269 37680 44141 63657 07910 67456 14038 = AR RBDF K

RBDF RPT 16031 80327 K

RBDF RPT

RBDR RPT 50888 91165 K

RBDF RPT 18983 44141 K

RBDF RPT 572 44 14 1800 572 K

RBDF RPT 572 44 14 1800 572 K

RBDF RPT 11638 K

RBDF OK QRU K

Digital transmissions

Russian tactical datalink. Mode: Akkord 1200Bd/800Hz

6970 kHz, 04-01, 1943 UTC

5202 kHz, 04-01, 1943 UTC

6970 kHz, 08-01, 1831 UTC

6970 kHz, 09-01, 1752 UTC

6970 kHz, 11-01, 1902 UTC

5202 kHz, 11-01, 1902 UTC

9250 kHz, 16-01, 1700 UTC

5202 kHz, 17-01, 2040 UTC

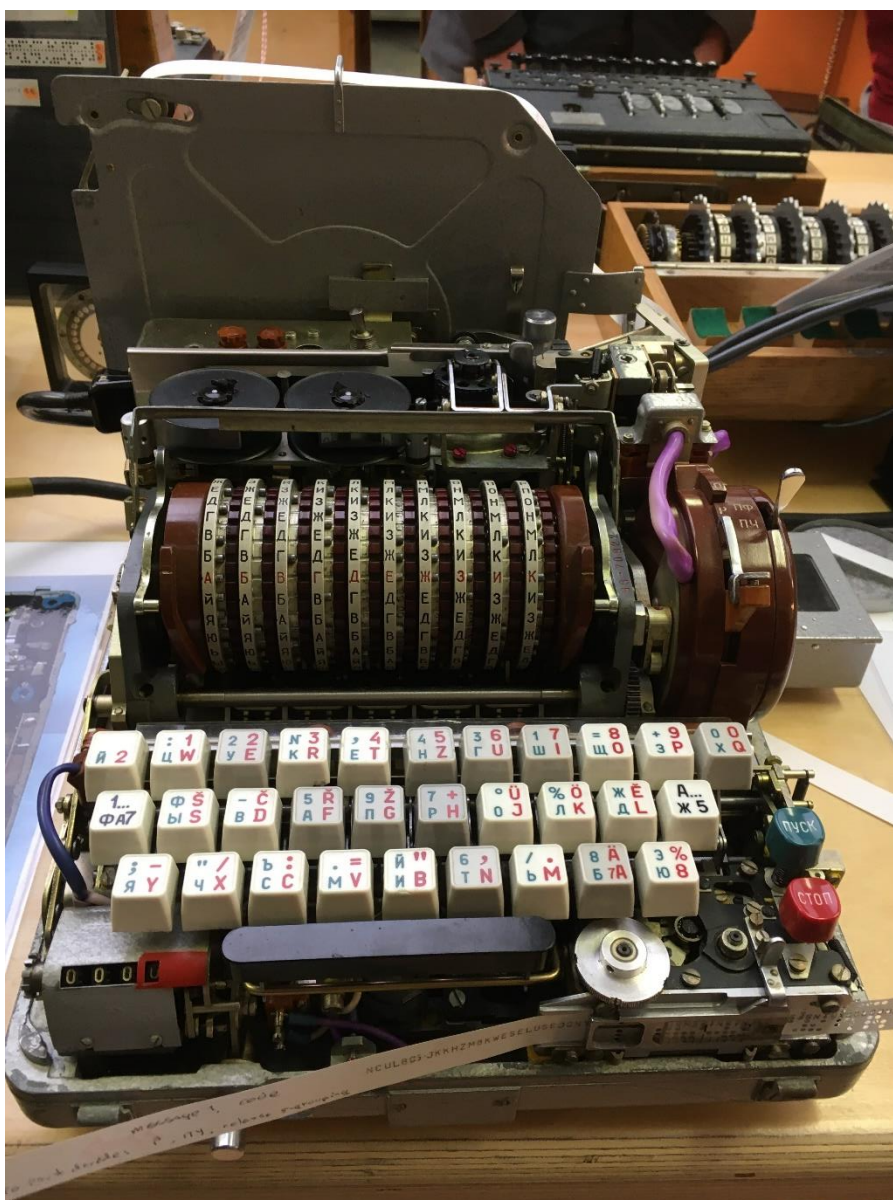
9250 kHz, 18-01, 0630 UTC

5202 kHz, 18-01, 1717 UTC

9250 kHz, 18-01, 1717 UTC

5202 kHz, 23-01, 1632 UTC

9250 kHz, 23-01, 1632 UTC



Fialka at the Secret Communications exhibition 2019 (© Ary Boender)

LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	1-1	1430	6725	Mon	New buzzer	USB	(AB)
---	1-1	1430	7502	Mon	New buzzer	USB	(AB)
---	1-1	1430	8856	Mon	New buzzer	USB	(AB)
---	4-1	0617	7055	Tue	New buzzer	USB	(AB)
---	4-1	1943	5202	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	4-1	1943	6970	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	8-1	1440	6725	Mon	New buzzer	USB	(AB)
---	8-1	1440	7502	Mon	New buzzer	USB	(AB)
---	8-1	1440	8856	Mon	New buzzer	USB	(AB)
---	8-1	1831	6970	Mon	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	9-1	1752	6970	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	10-1	1225	18561	Wed	Russian net	MFSK-13	(AB)
---	11-1	1455	7050	Tue	Radio war: jammed transmission	LSB	(AB)
---	11-1	1455	7055	Tue	Radio war: songs	LSB	(AB)
---	11-1	1524	7055	Tue	Radio war: anti Russia/Putin texts and insults	LSB	(AB)
---	11-1	1527	7050	Tue	Radio war: several stations on top of each other	LSB	(AB)
---	11-1	1902	5202	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	11-1	1902	6970	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	12-1	0530	4182	Fri	Dash: Russian military channel marker	USB	(AB)
---	13-1	1130	14160	Sat	Radio war: Slava Ukraini! and anti Russia slogans	USB	(AB)
---	14-1	0530	4182	Sun	Dash: Russian military channel marker	USB	(AB)
---	15-1	1430	6725	Mon	New buzzer	USB	(AB)
---	16-1	1700	9250	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	17-1	2040	5202	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	18-1	0630	9250	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	18-1	1717	5202	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	18-1	1717	9250	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	19-1	0530	4182	Fri	Dash: Russian military channel marker	USB	(AB)
---	21-1	0530	4182	Sun	Dash: Russian military channel marker	USB	(AB)
---	23-1	1632	5202	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	23-1	1632	9250	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	23-1	1724	3243	Tue	78 280 LUKOSHKO 02 71 47 49	USB	(Cic)
---	23-1	1729	3243	Tue	92 807 TIRANIYA 94 86 23 36	USB	(Cic)
---	23-1	1734	3243	Tue	71 805 ATAKOVANNYY 91 03 60 52	USB	(Cic)
---	26-1	0529	4182	Fri	Dash: Russian military channel marker	USB	(AB)
---	28-1	0530	4182	Sun	Dash: Russian military channel marker	USB	(AB)
BUL	2-1	0929	14755	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	2-1	1126	18515	Tue	MFA Sofia traffic	RFSM	(AB)

BUL	2-1	1326	17440	Tue	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	2-1	1327	13365	Tue	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	2-1	1359	18455	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	3-1	1038	14755	Wed	MFA Sofia traffic	RFSM	(AB)
BUL	3-1	1125	18515	Wed	MFA Sofia traffic	RFSM	(AB)
BUL	3-1	1327	13365	Wed	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	3-1	1328	17440	Wed	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	3-1	1356	18455	Wed	MFA Sofia traffic	RFSM	(AB)
BUL	4-1	0859	9048	Tue	Bulgarian diplo	RFSM	(AB)
BUL	4-1	0910	18455	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	4-1	0925	14755	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	5-1	0825	9045	Fri	Bulgarian diplo	RFSM	(AB)
BUL	5-1	1126	18515	Fri	MFA Sofia traffic	RFSM	(AB)
BUL	5-1	1324	17440	Fri	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	5-1	1328	13365	Fri	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	8-1	1326	17440	Mon	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	8-1	1329	13365	Mon	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	8-1	1356	18455	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	9-1	0926	14755	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	9-1	1125	18519	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	9-1	1328	13369	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	9-1	1355	18455	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	10-1	1140	18515	Wed	MFA Sofia traffic	RFSM	(AB)
BUL	10-1	1239	14755	Wed	MFA Sofia traffic	RFSM	(AB)
BUL	10-1	1324	17440	Wed	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	10-1	1328	13365	Wed	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	10-1	1356	18455	Wed	MFA Sofia traffic	RFSM	(AB)
BUL	11-1	0859	9050	Tue	Bulgarian diplo	RFSM	(AB)
BUL	11-1	0928	14755	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	11-1	1325	13365	Tue	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	11-1	1325	17440	Tue	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	11-1	1355	18455	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	12-1	1325	17440	Fri	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	12-1	1327	13365	Fri	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	12-1	1357	18455	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	15-1	1127	18515	Mon	Bulgarian diplo	RFSM	(AB)
BUL	15-1	1327	13365	Mon	Bulgarian diplo	RFSM	(AB)
BUL	15-1	1357	18455	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	17-1	0926	14755	Wed	MFA Sofia traffic	RFSM	(AB)
BUL	17-1	1127	18515	Wed	MFA Sofia traffic	RFSM	(AB)
BUL	17-1	1325	17440	Wed	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	17-1	1330	13365	Wed	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)

BUL	17-1	1356	18455	Wed	MFA Sofia traffic	RFSM	(AB)
BUL	18-1	1124	18515	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	18-1	1325	13365	Tue	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	18-1	1326	17440	Tue	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	18-1	1357	18455	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	19-1	1123	18515	Fri	Bulgarian diplo	RFSM	(AB)
BUL	19-1	1324	13365	Fri	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	19-1	1324	17440	Fri	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	19-1	1355	18455	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	22-1	1128	18515	Mon	Bulgarian diplo	RFSM	(AB)
BUL	22-1	1325	14770	Mon	MFA SOfia traffic	RFSM	(AB)
BUL	22-1	1329	13365	Mon	Bulgarian diplo	RFSM	(AB)
BUL	22-1	1358	18455	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	24-1	0754	14755	Wed	Bulgarian diplo	RFSM	(AB)
BUL	24-1	1127	18515	Wed	MFA Sofia traffic	RFSM	(AB)
BUL	24-1	1326	13365	Wed	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	24-1	1326	17440	Wed	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	24-1	1356	18455	Wed	MFA Sofia traffic	RFSM	(AB)
BUL	25-1	1125	18515	Tue	MFA Sofia traffic	RFSM	(AB)
BUL	25-1	1326	17440	Tue	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	25-1	1328	13365	Tue	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	26-1	1124	18515	Fri	Bulgarian diplo	RFSM	(AB)
BUL	26-1	1325	17440	Fri	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	26-1	1328	13365	Fri	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	31-1	0825	9045	Wed	Bulgarian diplo	RFSM	(AB)
BUL	31-1	0900	9050	Wed	Bulgarian diplo	RFSM	(AB)
BUL	31-1	1014	14755	Wed	Bulgarian diplo	RFSM	(AB)
BUL	31-1	1125	18515	Wed	Bulgarian diplo	RFSM	(AB)
BUL	31-1	1326	13365	Wed	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	31-1	1326	17440	Wed	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	31-1	1356	18455	Wed	MFA Sofia traffic	RFSM	(AB)
DPRK	3-1	0640	12800	Wed	North Korean diplo. QSX 13400 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	3-1	0645	13400	Wed	North Korean diplo. QSX 12800 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	4-1	0641	16252	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	8-1	0638	12850	Mon	North Korean diplo. QSX 13400 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	8-1	0638	13400	Mon	North Korean diplo. QSX 12850 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	8-1	0648	16252	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	8-1	0750	12800	Mon	North Korean diplo. QSX 14300 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	8-1	0750	14300	Mon	North Korean diplo. QSX 12800 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	8-1	1240	16252	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	14-1	1400	13000	Sun	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	14-1	1438	13200	Sun	North Korean diplo	DPRK-ARQ 600 LSB	(AB)

DPRK	15-1	1236	12400	Mon	North Korean diplo. QSX 14650 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	15-1	1236	14650	Mon	North Korean diplo. QSX 12400 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	17-1	0812	14600	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	23-1	1515	13400	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	29-1	0630	13400	Mon	North Korean diplo. QSX 13400 kHz	DPRK-ARQ 600	(AB)
DPRK	29-1	0630	16252	Mon	North Korean diplo. QSX 13400 kHz	DPRK-ARQ 600	(AB)
DPRK	29-1	1205	14300	Mon	North Korean diplo	DPRK-ARQ 600	(AB)
DPRK	30-1	0735	13400	Tue	North Korean diplo. QSX 14355 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	30-1	0735	14355	Tue	North Korean diplo. QSX 13400 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	30-1	0810	13100	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
E06	4-1	0600	13945	Tue	139 847 52 70442 61496 97998 ... 73417 87662 41757 847 52 00000	USB	(AB-CYP/Lac/HFD)
E06	4-1	0700	16350	Tue	139 847 52 70442 61496 97998 ... 73417 87662 41757 847 52 00000	USB	(AB/HFD/LAc)
E06	5-1	0600	13945	Fri	139 847 52 70442 61496 97998 ... 73417 87662 41757 847 52 00000	USB	(AB-CYP)
E06	5-1	0700	16350	Fri	139 847 52 70442 61496 97998 ... 73417 87662 41757 847 52 00000	USB	(AB)
E06	11-1	0300	14903	Tue	361 875 49 57777 91403 16328 ... 87455 98388 03065 875 49 00000	USB	(PY/HFD)
E06	11-1	0400	12218	Tue	361 875 49 57777 91403 16328 ... 87455 98388 03065 875 49 00000	USB	(PY/HFD)
E06	12-1	0300	14903	Fri	361 875 49 57777 91403 16328 ... 87455 98388 03065 875 49 00000	USB	(PY)
E06	12-1	0400	12218	Fri	361 875 49 57777 91403 16328 ... 87455 98388 03065 875 49 00000	USB	(PY)
E06	13-1	1600	7377	Sat	480 261 45 24729 37084 94265 ... 80165 68038 93149 261 45 00000	USB	(AB-D)
E06	13-1	1630	5410	Sat	480 261 45 24729 37084 94265 ... 80165 68038 93149 261 45 00000	USB	(AB)
E06	14-1	0730	9946	Sun	480 261 45 24729 37084 94265 ... 80165 68038 93149 261 45 00000	USB	(AB)
E06	14-1	0800	8095	Sun	480 261 45 24729 37084 94265 ... 80165 68038 93149 261 45 00000	USB	(AB-POL)
E06	15-1	0210	9349	Mon	537 409 31 89453 99744 48696 ... 80156 41650 17472 409 31 00000	USB	(PY/HFD-J)
E06	15-1	0310	13413	Mon	537 409 31 89453 99744 48696 ... 80156 41650 17472 409 31 00000	USB	(PY/HFD-J)
E06	16-1	0210	9349	Tue	537 409 31 89453 99744 48696 ... 80156 41650 17472 409 31 00000	USB	(PY)
E06	16-1	0310	13413	Tue	537 409 31 89453 99744 48696 ... 80156 41650 17472 409 31 00000	USB	(PY)
E06	18-1	0300	14903	Tue	361 294 50 51569 99822 40978 ... 40098 96639 14159 294 50 00000	USB	(PY)
E06	18-1	0400	12203	Tue	361 294 50 51569 99822 40978 ... 40098 96639 14159 294 50 00000	USB	(PY)
E06	18-1	0600	13945	Tue	139 274 60 79403 73474 36559 ... 58110 28637 93282 274 60 00000	USB	(AB/Lac)
E06	18-1	0700	16350	Tue	139 274 60 79403 73474 36559 ... 58110 28637 93282 274 60 00000	USB	(AB/Lac)
E06	19-1	0300	14903	Fri	361 294 50 51569 99822 40978 ... 40098 96639 14159 294 50 00000	USB	(PY)
E06	19-1	0400	12218	Fri	537 409 31 89453 99744 48696 ... 80156 41650 17472 409 31 00000	USB	(PY)
E06	19-1	0600	13945	Fri	139 274 60 79403 73474 36559 ... 58110 28637 93282 274 60 00000	USB	(AB/Lac)
E06	19-1	0700	16350	Fri	139 274 60 79403 73474 36559 ... 58110 28637 93282 274 60 00000	USB	(AB/Lac)
E06	22-1	0210	9349	Mon	537 168 32 83741 37243 06926 ... 91664 31868 27100 168 32 00000	USB	(PY)
E06	22-1	0310	13413	Mon	537 168 32 83741 37243 06926 ... 91664 31868 27100 168 32 00000	USB	(PY)
E06	23-1	0210	9349	Tue	537 168 32 83741 37243 06926 ... 91664 31868 27100 168 32 00000	USB	(PY)
E06	23-1	0310	13413	Tue	537 168 32 83741 37243 06926 ... 91664 31868 27100 168 32 00000	USB	(PY)
E06	27-1	1600	7377	Sat	480 679 41 57108 16240 10258 ... 62403 87380 79579 679 41 00000	USB	(AB-D)
E06	27-1	1630	5410	Sat	480 679 41 57108 16240 10258 ... 62403 87380 79579 679 41 00000	USB	(AB)
E06	31-1	0940	10755	Wed	975 238 60 90680 79944 51713 ... 48512 58766 48852 238 60 00000	USB	(AB)
E06	31-1	1045	10775	Wed	Only caught mid-message, multiple breakdowns 975 238 60	USB	(Lac)

E07	2-1	1500	13375	Tue	313 313 313 000	USB	(AB/Lac/HFD)
E07	2-1	1520	12175	Tue	313 313 313 000	USB	(AB/HFD)
E07	4-1	1410	11593	Tue	916 916 916 1 676 99 676 99 27380 66404 74192 ... 35950 57640 51170 000 000	USB	(AB/MPJ-HOL/Lac/HFD)
E07	4-1	1430	10293	Tue	916 916 916 1 676 99 676 99 27380 66404 74192 ... 35950 57640 51170 000 000	USB	(AB/MPJ-HOL/HFD/Lac)
E07	4-1	1450	9293	Tue	916 916 916 1 676 99 676 99 27380 66404 74192 ... 35950 57640 51170 000 000	USB	(AB/MPJ-HOL/HFD/Lac)
E07	5-1	1500	13375	Fri	313 313 313 000	USB	(AB/Lac)
E07	5-1	1520	12175	Fri	313 313 off	USB	(AB/Lac)
E07	6-1	1410	11593	Sat	916 916 916 1 676 99 676 99 27380 66404 74192 ... 35950 57640 51170 000 000	USB	(AB/MPJ)
E07	6-1	1430	10293	Sat	916 916 916 1 676 99 676 99 27380 66404 74192 ... 35950 57640 51170 000 000	USB	(AB/MPJ)
E07	6-1	1450	9293	Sat	916 916 916 1 676 99 676 99 27380 66404 74192 ... 35950 57640 51170 000 000	USB	(AB/MPJ)
E07	9-1	1500	13375	Tue	313 313 313 1 9127 112 9127 112 21181 64093 82117 ... 95736 39299 84870 000 000	USB	(AB/Lac)
E07	9-1	1520	12175	Tue	313 313 313 1 9127 112 9127 112 21181 64093 82117 ... 95736 39299 84870 000 000	USB	(AB/Lac)
E07	9-1	1540	10375	Tue	313 313 313 1 9127 112 9127 112 21181 64093 82117 ... 95736 39299 84870 000 000	USB	(AB/Lac)
E07	11-1	1410	11593	Tue	916 916 916 000	USB	(AB/Lac)
E07	11-1	1430	10293	Tue	916 916 916 000	USB	(AB/Lac)
E07	12-1	1500	13375	Fri	313 313 313 1 9127 112 9127 112 21181 64093 82117 ... 95736 39299 84870 000 000	USB	(AB/Lac)
E07	12-1	1520	12175	Fri	313 313 313 1 9127 112 9127 112 21181 64093 82117 ... 95736 39299 84870 000 000	USB	(AB/Lac)
E07	12-1	1540	10375	Fri	313 313 313 1 9127 112 9127 112 21181 64093 82117 ... 95736 39299 84870 000 000. Restart after 10 minutes	USB	(AB/Lac)
E07	13-1	1410	11593	Sat	916 916 916 000	USB	(AB)
E07	13-1	1430	10293	Sat	916 916 916 000	USB	(AB)
E07	16-1	1500	13375	Tue	313 313 313 000	USB	(AB/Lac)
E07	16-1	1520	12175	Tue	313 313 313 000	USB	(AB)
E07	18-1	1410	11593	Tue	916 916 916 1 721 56 721 56 87641 81415 63457 ... 68903 82790 99462 000 000	USB	(AB/Lac)
E07	18-1	1430	10293	Tue	916 916 916 1 721 56 721 56 87641 81415 63457 ... 68903 82790 99462 000 000	USB	(AB/Lac)
E07	18-1	1450	9293	Tue	916 916 916 1 721 56 721 56 87641 81415 63457 ... 68903 82790 99462 000 000	USB	(AB/Lac)
E07	19-1	1500	13375	Fri	313 313 313 000	USB	(AB)
E07	19-1	1520	12175	Fri	313 313 313 000	USB	(AB)
E07	20-1	1410	11593	Sat	916 916 916 1 721 56 721 56 87641 81415 63457 ... 68903 82790 99462 000 000	USB	(AB/MPJ)
E07	20-1	1430	10293	Sat	916 916 916 1 721 56 721 56 87641 81415 63457 ... 68903 82790 99462 000 000	USB	(AB/MPJ)
E07	20-1	1450	9293	Sat	916 916 916 1 721 56 721 56 87641 81415 63457 ... 68903 82790 99462 000 000	USB	(AB/MPJ)
E07	23-1	1500	13375	Tue	313 313 313 1 554 132 554 132 09469 31417 74037 ... 00808 17714 84302 000 000 Restart after group 128	USB	(AB/Lac)
E07	23-1	1520	12175	Tue	313 313 313 1 554 132 554 132 09469 31417 74037 ... 00808 17714 84302 000 000	USB	(AB/Lac)
E07	23-1	1540	10375	Tue	313 313 313 1 554 132 554 132 09469 31417 74037 ... 00808 17714 84302 000 000	USB	(AB/Lac)
E07	23-1	1650	13439	Tue	123 1 (R) [too weak, unreadable] _1867 98439 57368 30025 60622 83861 47555 15889 [silence] 123 1 (R) then off	USB	(PY)
E07	25-1	1410	11593	Tue	916 915 916 000	USB	(AB/MPJ)
E07	25-1	1430	10293	Tue	916 915 916 000	USB	(AB/MPJ)
E07	26-1	1500	13375	Fri	313 313 313 1 554 132 554 132 09469 31417 74037 ... 00808 17714 84302 000 000	USB	(AB/MPJ/RL-HOL)

E07	26-1	1520	12175	Fri	313 313 313 1 554 132 554 132 09469 31417 74037 ... 00808 17714 84302 000 000	USB	(AB/MPJ/RL-HOL)
E07	26-1	1540	10375	Fri	313 313 313 1 554 132 554 132 09469 31417 74037 ... 00808 17714 84302 000 000	USB	(AB/MPJ/RL-HOL)
E07	27-1	1410	11593	Sat	916 916 916 000	USB	(AB)
E07	27-1	1430	10293	Sat	916 916 916 000	USB	(AB)
E07	30-1	1500	13375	Tue	313 313 313 000	USB	(AB/MPJ/Lac)
E07	30-1	1520	12175	Tue	313 313 313 000	USB	(AB/MPJ/Lac)
E11	1-1	0315	8456	Mon	255/00 Out	USB	(TM)
E11	1-1	0450	4909	Mon	414/00 Out	USB	(AB)
E11	1-1	0600	23004	Mon	940/00 Out	USB	(Ab-POL)
E11	1-1	0715	11104	Mon	750/00 Out	USB	(AB)
E11	1-1	0745	10213	Mon	268/00 Out	USB	(AB)
E11	1-1	0845	12067	Mon	714/00 Out	USB	(AB/Lac)
E11	1-1	0900	11092	Mon	536/00 Out	USB	(AB/Lac)
E11	1-1	1045	11100	Mon	692/00 Out	USB	(AB)
E11	1-1	1300	4909	Mon	311/00 Out	USB	(AB-POL/MPJ-HOL/Lac)
E11	1-1	1745	12924	Mon	248/00 Out	USB	(MPJ-POL)
E11	1-1	1900	6849	Mon	646/00 Out	USB	(AB/MPJ-HOL)
E11	2-1	0645	7840	Tue	517/00 Out	USB	(AB/Lac)
E11	2-1	0700	6804	Tue	579/00 Out	USB	(AB/Lac)
E11	2-1	0745	13908	Tue	223/00 Out	USB	(AB)
E11	2-1	0820	14611	Tue	138/00 Out	USB	(AB/Lac)
E11	2-1	0845	17378	Tue	154/00 Out	USB	(AB)
E11	2-1	1000	9079	Tue	308/00 Out	USB	(AB/Lac)
E11	2-1	1205	11559	Tue	461/00 Out	USB	(AB)
E11	2-1	1430	13363	Tue	912/00 Out	USB	(AB/Lac)
E11	2-1	1605	5432	Tue	231/00 Out	USB	(AB)
E11	3-1	0600	23004	Wed	940/00 Out	USB	(AB-POL)
E11	3-1	0715	11104	Wed	755/00 Out	USB	(AB/Lac)
E11	3-1	0745	17378	Wed	Active, too weak to copy	USB	(AB-POL)
E11	3-1	0820	14611	Wed	134/00 Out	USB	(AB)
E11	3-1	0845	12067	Wed	716/00 Out	USB	(AB/Lac)
E11	3-1	0900	11092	Wed	532/00 Out	USB	(AB/Lac)
E11	3-1	1045	11100	Wed	692/00 Out	USB	(AB/Lac)
E11	3-1	1205	11559	Wed	463/00 Out	USB	(AB)
E11	3-1	1715	5082	Wed	970/00 Out	USB	(AB)
E11	3-1	1910	4505	Wed	391/00 Out	USB	(AB)
E11	4-1	0645	7840	Tue	517/00 Out	USB	(AB)
E11	4-1	0745	13908	Tue	227/00 Out	USB	(AB/Lac)
E11	4-1	0820	6986	Tue	434/00 Out	USB	(AB)
E11	4-1	0845	17378	Tue	151/00 Out	USB	(AB)
E11	4-1	0930	7469	Tue	273/00 Out	USB	(AB)
E11	4-1	1300	4909	Tue	313/00 Out	USB	(AB/MPJ)

E11	4-1	1530	5409	Tue	260/00 Out	USB	(AB)
E11	4-1	1530	5409	Tue	260/00 Out	USB	(Lac)
E11	4-1	1730	5779	Tue	413/00 Out	USB	(AB/MPJ)
E11	4-1	1900	6849	Tue	648/00 Out	USB	(AB/MPJ)
E11	4-1	2000	5082	Tue	525/00 Out	USB	(AB)
E11	5-1	0600	7850	Fri	351/00 Out	USB	(AB)
E11	5-1	0700	6804	Fri	577/00 Out	USB	(AB)
E11	5-1	0745	17378	Fri	344/00 Out	USB	(AB-POL/Lac)
E11	5-1	0820	6986	Fri	439/00 Out	USB	(AB)
E11	5-1	1000	9079	Fri	304/00 Out	USB	(AB/Lac)
E11	5-1	1715	5082	Fri	974/00 Out	USB	(AB/Lac)
E11	5-1	1815	6849	Fri	927/00 Out	USB	(AB/Lac)
E11	5-1	1910	10487	Fri	616/00 Out	USB	(AB-POL)
E11	6-1	1430	13363	Sat	917/00 Out	USB	(AB/MPJ)
E11	6-1	1530	4909	Sat	365/00 Out	USB	(AB)
E11	6-1	1910	4505	Sat	393/00 Out	USB	(AB/MPJ)
E11	7-1	0600	7850	Sun	358/00 Out	USB	(AB/Lac)
E11	7-1	1530	4909	Sun	368/00 Out	USB	(AB)
E11	7-1	1605	5432	Sun	236/00 Out	USB	(AB)
E11	7-1	1745	12924	Sun	240/00 Out	USB	(AB/MPJ)
E11	7-1	1815	6849	Sun	922/00 Out	USB	(AB/MPJ)
E11	7-1	1910	10487	Sun	617/00 Out	USB	(AB/MPJ-HOL)
E11	7-1	2000	5082	Sun	520/00 Out	USB	(AB)
E11	8-1	0600	23004	Mon	946/00 Out	USB	(AB-POL/Lac)
E11	8-1	0830	23353	Mon	188/00 Out	USB	(AB-POL/Lac)
E11	8-1	0845	12067	Mon	715/00 Out	USB	(AB/Lac)
E11	8-1	0900	11092	Mon	530/00 Out	USB	(AB/Lac)
E11	9-1	0505	12153	Tue	331/00 Out	USB	(Anon)
E11	9-1	0715	9130	Tue	639/00 Out	USB	(AB/Lac)
E11	9-1	0820	14611	Tue	132/00 Out	USB	(AB/Lac)
E11	9-1	0845	17378	Tue	154/00 Out	USB	(AB/Lac)
E11	9-1	1000	9079	Tue	300/00 Out	USB	(AB/Lac)
E11	9-1	1205	11559	Tue	469/00 Out	USB	(AB/Lac)
E11	9-1	1605	5432	Tue	235/00 Out	USB	(AB/Lac)
E11	10-1	0600	23004	Wed	946/00 Out	USB	(AB-POL/Lac)
E11	10-1	0745	17378	Wed	344/00 Out	USB	(AB-POL/Lac)
E11	10-1	0820	14611	Wed	136/00 Out	USB	(AB/Lac)
E11	10-1	0845	12067	Wed	714/00 Out	USB	(AB/Lac)
E11	10-1	0900	11092	Wed	536/00 Out	USB	(AB/Lac)
E11	10-1	0930	7469	Wed	273/00 Out	USB	(AB/Lac)
E11	10-1	1205	11559	Wed	465/00 Out	USB	(AB/Lac)
E11	10-1	1715	5082	Wed	975/00 Out	USB	(AB/Lac)

E11	11-1	0505	12153	Tue	331/00 Out	USB	(Anon)
E11	11-1	0820	6986	Tue	439/00 Out	USB	(AB/Lac)
E11	11-1	0845	17378	Tue	151/00 Out	USB	(AB/Lac)
E11	11-1	0930	7469	Tue	270/00 Out	USB	(AB/Lac)
E11	11-1	1300	4909	Tue	314/00 Out	USB	(AB/Lac)
E11	12-1	0600	7850	Fri	353/00 Out	USB	(AB)
E11	12-1	0715	9130	Fri	Test tone transmitted at 0714z, no transmission	USB	(Lac)
E11	12-1	0745	17378	Fri	348/00 Out	USB	(AB/Lac)
E11	12-1	0820	6986	Fri	436/00 Out	USB	(AB)
E11	12-1	0820	6986	Fri	436/00	USB	(Lac)
E11	12-1	0830	23353	Fri	183/00 Out	USB	(Lac)
E11	12-1	1000	9079	Fri	307/00 Out	USB	(AB)
E11	12-1	1715	5082	Fri	975/00 Out	USB	(AB)
E11	13-1	0700	5371	Sat	496/00 Out	USB	(AB)
E11	13-1	1530	4909	Sat	367/00 Out	USB	(AB)
E11	13-1	1910	4505	Sat	395/00 Out	USB	(AB)
E11	14-1	0600	7850	Sun	354/00 Out	USB	(AB)
E11	14-1	0700	5371	Sun	491/00 Out	USB	(AB)
E11	14-1	1530	4909	Sun	363/00 Out	USB	(AB)
E11	14-1	1605	5432	Sun	230/00 Out	USB	(AB)
E11	15-1	0315	8456	Mon	252/00 Out	USB	(AB)
E11	15-1	0450	4909	Mon	411/00 Out	USB	(AB)
E11	15-1	0600	23004	Mon	946/00 Out	USB	(AB-POL)
E11	15-1	0715	11104	Mon	754/00 Out	USB	(AB)
E11	15-1	0745	10213	Mon	262/00 Out	USB	(AB/Lac)
E11	15-1	0830	23353	Mon	184/00 Out	USB	(AB/Lac)
E11	15-1	0845	12067	Mon	714/00 Out	USB	(AB/Lac)
E11	15-1	0900	11092	Mon	538/00 Out	USB	(AB/Lac)
E11	15-1	1045	11100	Mon	694/00 Out	USB	(AB/Lac)
E11	15-1	1745	12924	Mon	248/00 Out	USB	(AB-POL)
E11	15-1	1900	6849	Mon	649/00 Out	USB	(AB-POL)
E11	16-1	0645	7840	Tue	518/00 Out	USB	(AB/Lac)
E11	16-1	0700	6804	Tue	571/00 Out	USB	(AB)
E11	16-1	0715	9130	Tue	636/00 Out	USB	(AB/Lac)
E11	16-1	0745	13908	Tue	227/00 Out	USB	(AB/Lac)
E11	16-1	0820	14611	Tue	138/00 Out	USB	(AB)
E11	16-1	1000	9079	Tue	300/00 Out	USB	(AB)
E11	16-1	1430	13363	Tue	915/00 Out	USB	(AB/Lac)
E11	16-1	1605	5432	Tue	237/00 Out	USB	(AB)
E11	17-1	0315	8456	Wed	250/00 Out	USB	(TM)
E11	17-1	0715	11104	Wed	753/00 Out	USB	(AB/Lac)
E11	17-1	0820	14611	Wed	131/00 Out	USB	(AB/Lac)

E11	17-1	0845	12067	Wed	714/00 Out	USB	(AB/Lac)
E11	17-1	0900	11092	Wed	536/00 Out	USB	(AB/Lac)
E11	17-1	0930	7469	Wed	279/00 Out	USB	(AB/Lac)
E11	17-1	1045	11100	Wed	690/00 Out	USB	(AB/Lac)
E11	17-1	1910	4505	Wed	393/00 Out	USB	(AB)
E11	18-1	0645	7840	Tue	517/00 Out	USB	(AB/Lac)
E11	18-1	0745	13908	Tue	224/00 Out	USB	(AB)
E11	18-1	0820	6986	Tue	435/00 Out	USB	(AB/Lac)
E11	18-1	0930	7469	Tue	270/00 Out	USB	(AB/Lac)
E11	18-1	1530	5409	Tue	268/00 Out	USB	(AB)
E11	18-1	1530	5409	Tue	268/00 Out	USB	(Lac)
E11	18-1	1730	5779	Tue	413/00 Out	USB	(AB)
E11	18-1	1900	6849	Tue	646/00 Out	USB	(AB)
E11	18-1	2000	5082	Tue	521/00 Out	USB	(AB)
E11	19-1	0600	7850	Fri	359/00 Out	USB	(AB/Lac)
E11	19-1	0700	6804	Fri	573/00 Out	USB	(AB/Lac)
E11	19-1	0715	9130	Fri	639/00 Out	USB	(AB/Lac)
E11	19-1	0820	6986	Fri	438/00 Out	USB	(AB/Lac)
E11	19-1	0830	23353	Fri	183/00 Out	USB	(AB-POL/Lac)
E11	19-1	1000	9079	Fri	300/00 Out	USB	(AB)
E11	19-1	1815	6849	Fri	922/00 Out	USB	(AB/Lac)
E11	19-1	1910	10487	Fri	616/00 Out	USB	(AB-POL/Lac)
E11	20-1	0700	5371	Sat	490/00 Out	USB	(AB)
E11	20-1	1433	13363	Sat	918/00 Out. Late start	USB	(AB/MPJ)
E11	20-1	1530	4909	Sat	366/00 Out	USB	(AB)
E11	20-1	1910	4505	Sat	391/00 Out	USB	(AB/MPJ)
E11	21-1	0600	7850	Sun	354/00 Out	USB	(AB)
E11	21-1	0700	5371	Sun	492/00 Out	USB	(AB)
E11	21-1	1530	4909	Sun	368/00 Out	USB	(AB)
E11	21-1	1605	5432	Sun	232/00 Out	USB	(AB)
E11	21-1	1745	12924	Sun	246/00 Out	USB	(AB)
E11	21-1	1815	6849	Sun	924/00 Out	USB	(AB)
E11	21-1	1910	10487	Sun	613/00 Out	USB	(AB)
E11	21-1	2000	5082	Sun	525/00 Out	USB	(AB)
E11	22-1	0315	8456	Mon	250/00 Out	USB	(TM)
E11	22-1	0450	4909	Mon	410/00 Out	USB	(AB)
E11	22-1	0715	11104	Mon	752/00 Out	USB	(AB/Lac)
E11	22-1	0745	10213	Mon	269/00 Out	USB	(AB)
E11	22-1	0830	23353	Mon	185/00 Out	USB	(AB-POL/Lac)
E11	22-1	0845	12067	Mon	719/00 Out	USB	(AB/Lac)
E11	22-1	0900	11092	Mon	536/00 Out	USB	(AB)
E11	22-1	1045	11100	Mon	698/00 Out	USB	(AB)

E11	22-1	1300	4909	Mon	314/00 Out	USB	(AB-POL)
E11	22-1	1745	12924	Mon	245/00 Out	USB	(AB-POL)
E11	22-1	1900	6849	Mon	644/00 Out	USB	(AB-POL)
E11	23-1	0645	7840	Tue	517/00 Out	USB	(AB/Lac)
E11	23-1	0700	6804	Tue	576/00 Out	USB	(AB)
E11	23-1	0715	9130	Tue	635/00 Out	USB	(AB/Lac)
E11	23-1	0745	13908	Tue	227/00 Out	USB	(AB/Lac)
E11	23-1	0820	14611	Tue	133/00 Out	USB	(AB)
E11	23-1	0845	17378	Tue	154/00 Out	USB	(AB/Lac)
E11	23-1	1205	11559	Tue	461/00 Out	USB	(AB/Lac)
E11	23-1	1430	13363	Tue	918/00 Out	USB	(AB)
E11	24-1	0315	8456	Wed	252/00 Out	USB	(TM)
E11	24-1	0715	11104	Wed	753/00 Out	USB	(AB)
E11	24-1	0745	17378	Wed	348/00 Out	USB	(AB-POL)
E11	24-1	0820	14611	Wed	136/00 Out	USB	(AB)
E11	24-1	0845	12067	Wed	714/00 Out	USB	(AB)
E11	24-1	0900	11092	Wed	538/00 Out	USB	(AB/Lac)
E11	24-1	0930	7469	Wed	275/00 Out	USB	(AB/Lac)
E11	24-1	1045	11100	Wed	697/00 Out	USB	(AB)
E11	24-1	1205	11559	Wed	466/00 Out	USB	(AB)
E11	24-1	1715	5082	Wed	974/00 Out	USB	(AB)
E11	25-1	0505	12153	Tue	337/00 Out	USB	(TM)
E11	25-1	0645	7840	Tue	510/00 Out	USB	(AB)
E11	25-1	0745	13908	Tue	223/00 Out	USB	(AB)
E11	25-1	0845	17378	Tue	154/00 Out	USB	(AB)
E11	25-1	0930	7469	Tue	278/00 Out	USB	(AB/Lac)
E11	25-1	1300	4909	Tue	312/00 Out	USB	(AB-POL)
E11	25-1	1530	5409	Tue	260/00 Out	USB	(AB)
E11	25-1	1730	5779	Tue	415/00 Out	USB	(AB/MPJ)
E11	25-1	1900	6849	Tue	641/00 Out	USB	(AB/MPJ)
E11	25-1	2000	5082	Tue	528/00 Out	USB	(AB)
E11	26-1	0700	6804	Fri	575/00 Out	USB	(AB/Lac)
E11	26-1	0715	9130	Fri	631/00 Out	USB	(AB/Lac)
E11	26-1	0745	17378	Fri	349/00 Out	USB	(AB-POL/Lac)
E11	26-1	0830	23353	Fri	185/00 Out	USB	(AB-POL)
E11	26-1	1715	5082	Fri	978/00 Out	USB	(AB/MPJ)
E11	26-1	1815	6849	Fri	922/00 Out	USB	(AB)
E11	26-1	1910	10487	Fri	611/00 Out	USB	(AB-POL/MPJ)
E11	27-1	0700	5371	Sat	490/00 Out	USB	(AB)
E11	27-1	1430	13363	Sat	915/00 Out	USB	(AB)
E11	28-1	0700	5371	Sun	490/00 Out	USB	(AB)
E11	28-1	1745	12924	Sun	247/00 Out	USB	(AB)

E11	28-1	1815	6849	Sun	927/00 Out	USB	(AB/MPJ)
E11	28-1	1910	10487	Sun	611/00 Out	USB	(AB/MPJ)
E11	28-1	2000	5082	Sun	525/00 Out	USB	(AB)
E11	29-1	0315	8456	Mon	256/00 Out	USB	(TM)
E11	29-1	0450	4909	Mon	418/00 Out	USB	(AB)
E11	29-1	0715	11104	Mon	753/00 Out	USB	(AB)
E11	29-1	0745	10213	Mon	262/00 Out	USB	(AB)
E11	29-1	0830	23353	Mon	185/00 Out	USB	(AB-POL)
E11	29-1	1045	11100	Mon	694/00 Out	USB	(AB)
E11	29-1	1300	4909	Mon	311/00 Out	USB	(AB-POL)
E11	29-1	1745	12924	Mon	246/00 Out	USB	(AB-POL)
E11	29-1	1900	6849	Mon	641/00 Out	USB	(AB-POL)
E11	30-1	0505	12153	Tue	334/00 Out	USB	(TM)
E11	30-1	0645	7840	Tue	510/00 Out	USB	(AB)
E11	30-1	0700	6804	Tue	576/00 Out	USB	(AB/Lac)
E11	30-1	0715	9130	Tue	637/00 Out	USB	(AB/Lac)
E11	30-1	0715	11104	Tue	751/00 Out	USB	(Lac)
E11	30-1	0745	13908	Tue	223/00 Out	USB	(AB)
E11	30-1	0845	17378	Tue	159/00 Out	USB	(AB)
E11	30-1	1000	9079	Tue	305/00 Out	USB	(AB/Lac)
E11	30-1	1430	13363	Tue	918/00 Out	USB	(AB/MPJ/Lac)
E11	30-1	1605	5432	Tue	233/00 Out	USB	(AB)
E11	31-1	0315	8456	Wed	255/00 Out	USB	(TM)
E11	31-1	0600	23004	Wed	944/00 Out	USB	(AB-POL)
E11	31-1	0715	11104	Wed	751/00 Out	USB	(AB)
E11	31-1	0745	17378	Wed	340/00 Out	USB	(AB-POL/Lac)
E11	31-1	0930	7469	Wed	277/00 Out	USB	(AB)
E11	31-1	1045	11100	Wed	698/00 Out	USB	(AB)
E11	31-1	1205	11559	Wed	469/00 Out	USB	(AB)
E11	31-1	1715	5082	Wed	978/00 Out	USB	(AB)
E11	31-1	1910	4505	Wed	393/00 Out	USB	(AB)
E11a	1-1	0830	23353	Mon	185/28 Attention 07989 60203 16605 .. 32608 74542 58358 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	2-1	0715	9130	Tue	637/32 Attention 96164 55497 79449 ... 20295 06365 75598 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	3-1	0930	7469	Wed	276/39 Attention 93424 32279 47501 ... 15905 99188 87004 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	4-1	0930	7469	Tue	276/39 Attention 93424 32279 47501 ... 15905 99188 87004 Attention (msg rptd) Out	USB	(Subilo)
E11a	5-1	0715	9130	Fri	637/32 Attention 96164 55497 79449 ... 20295 06365 75598 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	5-1	0830	23353	Fri	185/28 Attention 07989 60203 16605 .. 32608 74542 58358 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	6-1	0700	5371	Sat	498/39 Attention 95690 23427 05706 ... 94085 53228 02528 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	7-1	0700	5371	Sun	498/39 Attention 95690 23427 05706 ... 94085 53228 02528 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	8-1	0315	8456	Mon	253/31 Attention 24643 46648 79201 ... 64899 17609 25323 Attention (msg rptd) Out	USB	(TM/Subilo)
E11a	8-1	0450	4909	Mon	410/39 Attention 59499 37336 02561 ... 65990 63846 17954 Attention (msg rptd) Out	USB	(AB/Subilo)

E11a	8-1	0715	11104	Mon	754/40 Attention 82816 54740 66495 ... 79065 93036 59636 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	8-1	0745	10213	Mon	264/37 Attention 99000 10865 15239 ... 64100 04071 73370 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	8-1	1045	11100	Mon	697/39 Attention 88307 19934 13289 ... 39620 60850 86931 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	8-1	1745	12924	Mon	247/30 Attention 21263 54068 18649 ... 11029 86684 27984 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	8-1	1900	6849	Mon	647/40 Attention 70814 36142 86462 ... 81173 93601 16198 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	9-1	0645	7840	Tue	514/38 Attention 75079 30381 45815 ... 12097 86989 50317 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	9-1	0700	6804	Tue	577/40 Attention 04853 39056 13166 ... 04939 29883 86424 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	9-1	0745	13908	Tue	229/36 Attention 88065 35388 98341 ... 77649 95530 49093 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	9-1	1430	13363	Tue	912/37 Attention 57075 34663 12691 ... 44093 65591 01031 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	10-1	0315	8456	Wed	253/31 Attention 24643 46648 79201 ... 64899 17609 25323 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	10-1	0715	11104	Wed	754/40 Attention 82816 54740 66495 ... 79065 93036 59636 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	10-1	1045	11100	Wed	697/39 Attention 88307 19934 13289 ... 39620 60850 86931 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	11-1	0645	7840	Tue	514/38 Attention 75079 30381 45815 ... 12097 86989 50317 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	11-1	0745	13908	Tue	229/36 Attention 88065 35388 98341 ... 77649 95530 49093 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	11-1	1530	5409	Tue	264/37 Attention 99000 10865 15239 ... 64100 04071 73370 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	11-1	1730	5779	Tue	410/39 Attention 59499 37336 02561 ... 65990 63846 17954 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	11-1	1900	6849	Tue	647/40 Attention 70814 36142 86462 ... 81173 93601 16198 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	11-1	2000	5082	Tue	525/35 Attention 27013 13405 63595 ... 16227 40001 66624 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	12-1	0700	6804	Fri	577/40 Attention 04853 39056 13166 ... 04939 29883 86424 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	12-1	1815	6849	Fri	925/35 Attention 84246 69593 28363 ... 22199 85468 08843 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	12-1	1910	10487	Fri	616/37 Attention 09225 09313 31065 ... 87193 49297 82878 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	13-1	1430	13363	Sat	912/37 Attention 57075 34663 12691 ... 44093 65591 01031 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	14-1	1745	12924	Sun	247/30 Attention 21263 54068 18649 ... 11029 86684 27984 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	14-1	1815	6849	Sun	925/35 Attention 84246 69593 28363 ... 22199 85468 08843 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	14-1	1910	10487	Sun	616/37 Attention 09225 09313 31065 ... 87193 49297 82878 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	14-1	2000	5082	Sun	525/35 Attention 27013 13405 63595 ... 16227 40001 66624 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	15-1	1300	4909	Mon	316/36 Attention 54441 96630 91407 ... 28954 84576 52929 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	16-1	0505	12153	Tue	335/35 Attention 37678 08235 01973 ... 25527 52088 06996 Attention (msg rptd) Out	USB	(Subilo)
E11a	16-1	0845	17378	Tue	151/36 Attention 54517 51611 14837 ... 12027 82210 66617 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	16-1	1205	11559	Tue	465/35 Attention 21039 94450 00596 ... 21011 66106 85437 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-1	0745	17378	Wed	343/32 Attention 34757 24171 20822 ... 63864 32522 59886 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	17-1	1205	11559	Wed	465/35 Attention 21039 94450 00596 ... 21011 66106 85437 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	17-1	1715	5082	Wed	974/34 Attention 89280 57045 09330 ... 97121 33965 68128 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	18-1	0505	12153	Tue	335/35 Attention 37678 08235 01973 ... 25527 52088 06996 Attention (msg rptd) Out	USB	(Subilo)
E11a	18-1	0845	17378	Tue	151/36 Attention 54517 51611 14837 ... 12027 82210 66617 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	18-1	1300	4909	Tue	316/36 Attention 54441 96630 91407 ... 28954 84576 52929 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	19-1	0745	17378	Fri	343/32 Attention 34757 24171 20822 ... 63864 32522 59886 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	19-1	1715	5082	Fri	974/34 Attention 89280 57045 09330 ... 97121 33965 68128 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	22-1	0600	23004	Mon	948/30 Attention 98076 82607 72216 ... 69771 67555 77413 Attention (msg rptd) Out	USB	(AB-POL/Lac/Subilo)
E11a	23-1	1000	9079	Tue	306/23 Attention 42592 49140 48195 ... 91208 02883 72576 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	23-1	1605	5432	Tue	230/32 Attention 36288 70039 12073 ... 43140 20698 37674 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	24-1	0600	23004	Wed	948/30 Attention 98076 82607 72216 ... 69771 67555 77413 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)

E11a	24-1	1910	4505	Wed	395/32 Attention 99985 86062 05298 ... 77921 93695 36215 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	25-1	0820	6986	Tue	436/33 Attention 20974 84100 09615 ... 68719 59126 82890 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	26-1	0600	7850	Fri	353/36 Attention 24757 43721 80194 ... 38960 84084 18683 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	26-1	0820	6986	Fri	436/33 Attention 20974 84100 09615 ... 68719 59126 82890 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	26-1	1000	9079	Fri	306/23 Attention 42592 49140 48195 ... 91208 02883 72576 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-1	1530	4909	Sat	365/39 Attention 96882 75624 95048 ... 59310 72237 51568 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-1	1910	4505	Sat	395/32 Attention 99985 86062 05298 ... 77921 93695 36215 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	28-1	0600	7850	Sun	353/36 Attention 24757 43721 80194 ... 38960 84084 18683 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	28-1	1530	4909	Sun	365/39 Attention 96882 75624 95048 ... 59310 72237 51568 Attention (msg rptd) Out	USB	(AB/MPJ/Subilo)
E11a	28-1	1605	5432	Sun	230/32 Attention 36288 70039 12073 ... 43140 20698 37674 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	29-1	0845	12067	Mon	713/34 Attention 79757 30127 99330 ... 43279 02989 86965 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	29-1	0900	11092	Mon	537/39 Attention 70338 61364 36551 ... 92502 72169 48712 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	30-1	0820	14611	Tue	133/36 Attention 77529 05053 80204 ... 49362 10399 87900 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	31-1	0820	14611	Wed	133/36 Attention 77529 05053 80204 ... 49362 10399 87900 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	31-1	0845	12067	Wed	713/34 Attention 79757 30127 99330 ... 43279 02989 86965 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	31-1	0900	11092	Wed	537/39 Attention 70338 61364 36551 ... 92502 72169 48712 Attention (msg rptd) Out	USB	(AB/Subilo)
EGY	15-1	1436	12225	Mon	MFA Cairo traffic to 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	15-1	1436	12226.7	Mon	MFA Cairo clg OOVC: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	30-1	1458	13416.7	Tue	MFA Cairo. Coded traffic to OOVC: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
F01	1-1	1015	11079	Mon	Two messages	FSK 200/500	(AB)
F01	1-1	1025	9162	Mon	Two messages	FSK 200/500	(AB)
F01	1-1	1035	7509	Mon	Two messages	FSK 200/500	(AB)
F01	2-1	1015	11079	Tue	Two messages	FSK 200/500	(AB)
F01	2-1	1025	9162	Tue	Two messages	FSK 200/500	(AB)
F01	2-1	1035	7509	Tue	Two messages	FSK 200/500	(AB)
F01	3-1	1015	11079	Wed	90483 84176 02381 ... 34703 61518 46415 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	3-1	1025	9162	Wed	90483 84176 02381 ... 34703 61518 46415 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	3-1	1035	7509	Wed	90483 84176 02381 ... 34703 61518 46415 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	3-1	1940	7629	Wed	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB-S)
F01	3-1	1950	6783	Wed	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB-S)
F01	3-1	2000	4034	Wed	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB-S)
F01	4-1	1015	11079	Tue	66939 00296 96134 ... 14390 87058 47085 00000 and 63926 20255 46684 ... 32213 82186 48091 00000 +++++	FSK 200/500	(AB)
F01	4-1	1025	9162	Tue	66939 00296 96134 ... 14390 87058 47085 00000 and 63926 20255 46684 ... 32213 82186 48091 00000 +++++	FSK 200/500	(AB)
F01	4-1	1035	7509	Tue	66939 00296 96134 ... 14390 87058 47085 00000 and 63926 20255 46684 ... 32213 82186 48091 00000 +++++	FSK 200/500	(AB)
F01	5-1	1015	11079	Fri	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	5-1	1025	9162	Fri	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	5-1	1035	7509	Fri	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	8-1	1015	11079	Mon	36721 68273 89253 ... 94511 77925 49413 00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	8-1	1025	9162	Mon	36721 68273 89253 ... 94511 77925 49413 00000 +++++ +++++	FSK 200/500	(AB/HFD-POL)

F01	8-1	1035	7509	Mon	36721 68273 89253 ... 94511 77925 49413 00000 +++++ +++++	FSK 200/500	(AB/HFD-POL)
F01	9-1	1015	11079	Tue	Two messages	FSK 200/500	(AB)
F01	9-1	1025	9162	Tue	Two messages	FSK 200/500	(AB)
F01	9-1	1035	7509	Tue	Two messages	FSK 200/500	(AB)
F01	10-1	1015	11079	Wed	30611 59884 80542 ... 80831 88025 52417 00000 +++++	FSK 200/500	(AB)
F01	10-1	1025	9162	Wed	30611 59884 80542 ... 80831 88025 52417 00000 +++++	FSK 200/500	(AB)
F01	10-1	1035	7509	Wed	30611 59884 80542 ... 80831 88025 52417 00000 +++++	FSK 200/500	(AB)
F01	11-1	1015	11079	Tue	Two messages	FSK 200/500	(AB)
F01	11-1	1025	9162	Tue	Two messages	FSK 200/500	(AB)
F01	11-1	1035	7509	Tue	Two messages	FSK 200/500	(AB)
F01	11-1	1420	6957	Tue	61059 10905 63778 ... 03222 58467 89290 00000 +++++ +++++ interruptions of modulation	FSK 200/500	(Pof)
F01	11-1	1430	9425	Tue	61059 10905 63778 ... 03222 58467 89290 00000 +++++ +++++	FSK 200/500	(PY)
F01	11-1	1440	11611	Tue	61059 10905 63778 ... 03222 58467 89290 00000 +++++ +++++	FSK 200/500	(PY)
F01	12-1	1015	11079	Fri	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	12-1	1025	9162	Fri	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	12-1	1035	7509	Fri	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	12-1	2240	15956	Fri	11177 00116 72951 11002 01989 via Cuba	FSK 200/500	(AB-USA)
F01	15-1	1015	11079	Mon	24603 38728 09611 ... 69486 39602 55413 00000 +++++ +++++	FSK 200/500	(AB)
F01	15-1	1025	9162	Mon	24603 38728 09611 ... 69486 39602 55413 00000 +++++ +++++	FSK 200/500	(AB)
F01	15-1	1035	7509	Mon	24603 38728 09611 ... 69486 39602 55413 00000 +++++ +++++	FSK 200/500	(AB)
F01	16-1	1015	11079	Tue	Two messages	FSK 200/500	(AB)
F01	16-1	1025	9162	Tue	Two messages	FSK 200/500	(AB)
F01	16-1	1035	7509	Tue	Two messages	FSK 200/500	(AB)
F01	16-1	1420	6957	Tue	10454 55286 50745 ... 18276 99734 92251 00000 +++++ +++++	FSK 200/500	(PY)
F01	16-1	1430	9425	Tue	10454 55286 50745 ... 18276 99734 92251 00000 +++++ +++++	FSK 200/500	(PY)
F01	16-1	1440	11611	Tue	10454 55286 50745 ... 18276 99734 92251 00000 +++++ +++++ interruptions of modulation	FSK 200/500	(PY)
F01	17-1	1015	11079	Wed	89460 70252 80141 ... 75552 57035 58407 00000 +++++ +++++	FSK 200/500	(AB)
F01	17-1	1025	9162	Wed	89460 70252 80141 ... 75552 57035 58407 00000 +++++ +++++	FSK 200/500	(AB)
F01	17-1	1035	7509	Wed	89460 70252 80141 ... 75552 57035 58407 00000 +++++ +++++	FSK 200/500	(AB)
F01	18-1	1015	11079	Tue	Two messages	FSK 200/500	(AB)
F01	18-1	1025	9162	Tue	Two messages	FSK 200/500	(AB)
F01	18-1	1035	7509	Tue	Two messages	FSK 200/500	(AB)
F01	19-1	1015	11079	Fri	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	19-1	1025	9162	Fri	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	19-1	1035	7509	Fri	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	22-1	1015	11079	Mon	73276 88381 48629 ... 11846 76923 61403 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	22-1	1025	9162	Mon	73276 88381 48629 ... 11846 76923 61403 00000 +++++ +++++ +++++	FSK 200/500	(AB-POL)
F01	22-1	1035	7509	Mon	73276 88381 48629 ... 11846 76923 61403 00000 +++++ +++++ +++++	FSK 200/500	(AB-S)
F01	23-1	1015	11079	Tue	Two messages	FSK 200/500	(AB-RUS)
F01	23-1	1025	9162	Tue	Two messages	FSK 200/500	(AB-POL)
F01	23-1	1035	7509	Tue	Two messages	FSK 200/500	(AB-POL)
F01	24-1	1015	11079	Wed	21194 10993 35072 ... 25779 97601 64411 00000 +++++	FSK 200/500	(AB)

F01	24-1	1025	9162	Wed	21194 10993 35072 ... 25779 97601 64411 00000 +++++	FSK 200/500	(AB)
F01	24-1	1035	7509	Wed	21194 10993 35072 ... 25779 97601 64411 00000 +++++	FSK 200/500	(AB)
F01	25-1	1015	11079	Tue	Two messages	FSK 200/500	(AB)
F01	25-1	1025	9162	Tue	Two messages	FSK 200/500	(AB)
F01	25-1	1035	7509	Tue	Two messages	FSK 200/500	(AB)
F01	26-1	1015	11079	Fri	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	26-1	1025	9162	Fri	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	26-1	1035	7509	Fri	Null message: 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	29-1	1015	11079	Mon	81621 64098 99284 ... 74043 73543 67433 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	29-1	1025	9162	Mon	81621 64098 99284 ... 74043 73543 67433 00000 +++++ +++++ +++++	FSK 200/500	(AB-POL)
F01	29-1	1035	7509	Mon	81621 64098 99284 ... 74043 73543 67433 00000 +++++ +++++ +++++	FSK 200/500	(AB-S)
F01	30-1	1015	11079	Tue	Two messages	FSK 200/500	(AB-RUS)
F01	30-1	1025	9162	Tue	Two messages	FSK 200/500	(AB-POL)
F01	30-1	1035	7509	Tue	Two messages	FSK 200/500	(AB-POL)
F01	31-1	1015	11079	Wed	75550 69472 37592 ... 92981 53797 70421 00000 +++++ +++++ +++++	FSK 200/500	(AB-RUS)
F01	31-1	1025	9162	Wed	75550 69472 37592 ... 92981 53797 70421 00000 +++++ +++++ +++++	FSK 200/500	(AB-D)
F01	31-1	1035	7509	Wed	75550 69472 37592 ... 92981 53797 70421 00000 +++++ +++++ +++++	FSK 200/500	(AB-POL)
F02	9-1	0700	18449	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	9-1	0830	15626	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	12-1	0830	14837	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	12-1	0832	15626	Fri	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	12-1	0847	15623	Fri	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	16-1	0830	15626	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	19-1	0832	15626	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	19-1	0834	14837	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	19-1	0846	15623	Fri	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	19-1	0851	15623	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	22-1	0830	12173	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	22-1	0830	13856	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	22-1	0844	16083	Mon	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	22-1	0900	16083	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	23-1	0830	15626	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F03j	1-1	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-1	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-1	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-1	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-1	0915	5946	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-1	0920	5946	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-1	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-1	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-1	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-1	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	9-1	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-1	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-1	0430	14975	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	10-1	0435	14975	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	10-1	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-1	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-1	0915	5946	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-1	0920	5946	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-1	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-1	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-1	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-1	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-1	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-1	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-1	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-1	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-1	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-1	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-1	0915	5946	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-1	0920	5946	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-1	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-1	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-1	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-1	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-1	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-1	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-1	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-1	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-1	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-1	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-1	0430	14975	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	25-1	0435	14975	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	25-1	0915	5946	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-1	0920	5946	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-1	1500	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	26-1	1505	8091	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	29-1	1010	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-1	1015	12089	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-1	1500	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	30-1	1505	8091	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/MPJ)
F03j	31-1	0915	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-1	0920	5946	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	31-1	1010	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-1	1015	12089	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03i	1-1	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	1-1	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	1-1	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	1-1	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	1-1	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	1-1	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	2-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	2-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	2-1	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	2-1	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	3-1	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	3-1	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	4-1	0735	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	4-1	0740	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	4-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	4-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	5-1	0810	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	5-1	0815	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	5-1	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	5-1	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	5-1	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	5-1	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	8-1	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	8-1	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	8-1	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	8-1	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	8-1	0810	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	8-1	0815	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	8-1	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	8-1	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	9-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	9-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	9-1	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	9-1	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	10-1	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	10-1	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	11-1	0735	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	11-1	0740	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	11-1	0800	7505	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03i	11-1	0805	7505	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	11-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-1	0800	7505	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-1	0805	7505	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-1	0810	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-1	0815	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-1	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-1	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-1	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-1	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-1	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-1	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-1	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-1	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-1	0810	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-1	0815	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-1	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-1	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-1	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-1	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-1	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-1	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-1	0735	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-1	0740	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-1	0800	7505	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-1	0805	7505	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-1	0800	7505	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-1	0805	7505	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-1	0810	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-1	0815	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-1	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-1	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-1	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-1	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-1	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-1	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-1	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-1	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	22-1	0810	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-1	0815	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-1	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-1	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-1	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-1	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-1	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-1	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-1	0735	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-1	0740	8800	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-1	0800	7505	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-1	0805	7505	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-1	0800	7505	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-1	0805	7505	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-1	0810	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-1	0815	25060	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-1	0930	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-1	0935	6304	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-1	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-1	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-1	0630	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-1	0635	13424	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-1	0735	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-1	0740	8800	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-1	0810	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-1	0815	25060	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-1	0930	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-1	0935	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-1	0835	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-1	0840	17120	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-1	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-1	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-1	0630	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-1	0635	13424	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	1-1	0500	6925	Mon	11166 70059 43197 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-1	0510	5235	Mon	11166 70059 43197 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-1	0520	4528	Mon	11166 70059 43197 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-1	0700	10294	Tue	11166 70202 96418 29007 01639 and 11166 70202 13467 29008 01739	FSK 200/1000	(AB)

F06	2-1	0710	8068	Tue	11166 70202 96418 29007 01639 and 11166 70202 13467 29008 01739	FSK 200/1000	(AB)
F06	2-1	0720	6769	Tue	11166 70202 96418 29007 01639 and 11166 70202 13467 29008 01739	FSK 200/1000	(AB)
F06	2-1	1200	10158	Tue	11166 70202 96418 29007 01639 and 11166 70202 13467 29008 01739	FSK 200/1000	(AB)
F06	2-1	1210	8023	Tue	11166 70202 96418 29007 01639 and 11166 70202 13467 29008 01739	FSK 200/1000	(AB)
F06	2-1	1220	6796	Tue	11166 70202 96418 29007 01639 and 11166 70202 13467 29008 01739	FSK 200/1000	(AB)
F06	2-1	1230	11585	Tue	11166 30154 54327 02048 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	2-1	1240	8165	Tue	11166 30154 54327 02048 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	2-1	1250	6796	Tue	11166 30154 54327 02048 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	2-1	1650	10651	Tue	11166 10053 78451 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-1	1700	8189	Tue	11166 10053 78451 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-1	1710	7457	Tue	11166 10053 78451 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-1	0600	20154	Wed	11166 40122 90147 30090 03269	FSK 200/1000	(AB-KOR)
F06	3-1	0610	18304	Wed	11166 40122 90147 30090 03269	FSK 200/1000	(AB-KOR)
F06	3-1	0620	16156	Wed	11166 40122 90147 30090 03269	FSK 200/1000	(AB-KOR)
F06	4-1	0600	20154	Tue	11166 40122 90147 30090 03269	FSK 200/1000	(AB-KOR)
F06	4-1	0610	18304	Tue	11166 40122 90147 30090 03269	FSK 200/1000	(AB-KOR)
F06	4-1	0620	16156	Tue	11166 40122 90147 30090 03269	FSK 200/1000	(AB-KOR)
F06	4-1	0700	10294	Tue	11166 70202 95137 29010 01619 and 11166 70202 25847 29011 02119	FSK 200/1000	(AB)
F06	4-1	0710	8068	Tue	11166 70202 95137 29010 01619 and 11166 70202 25847 29011 02119	FSK 200/1000	(AB)
F06	4-1	0720	6769	Tue	11166 70202 95137 29010 01619 and 11166 70202 25847 29011 02119	FSK 200/1000	(AB)
F06	4-1	1200	10158	Tue	11166 70202 95137 29010 01619 and 11166 70202 25847 29011 02119	FSK 200/1000	(AB)
F06	4-1	1210	8023	Tue	11166 70202 95137 29010 01619 and 11166 70202 25847 29011 02119	FSK 200/1000	(AB)
F06	4-1	1220	6796	Tue	11166 70202 95137 29010 01619 and 11166 70202 25847 29011 02119	FSK 200/1000	(AB)
F06	4-1	1330	14471	Tue	11166 80214 74082 04056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	4-1	1340	12218	Tue	11166 80214 74082 04056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	4-1	1350	9933	Tue	11166 80214 74082 04056 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	5-1	0700	10294	Fri	11166 70202 37465 05017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-1	0710	8068	Fri	11166 70202 37465 05017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-1	0720	6769	Fri	11166 70202 37465 05017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-1	1110	6957	Fri	Undecodable	FSK 200/1000	(Pof)
F06	5-1	1120	9425	Fri	Undecodable	FSK 200/1000	(sse)
F06	5-1	1130	11611	Fri	Undecodable	FSK 200/1000	(sse)
F06	5-1	1200	5089	Fri	Undecodable	FSK 200/1000	(PY)
F06	5-1	1210	7337	Fri	Undecodable	FSK 200/1000	(PY)
F06	5-1	1220	9481	Fri	Undecodable	FSK 200/1000	(PY)
F06	5-1	1250	5913	Fri	Undecodable	FSK 200/1000	(PY)
F06	5-1	1300	7992	Fri	Undecodable	FSK 200/1000	(Pof)
F06	5-1	1310	10687	Fri	11100 00000 13489 05096 02539	FSK 200/1000	(Pof)
F06	6-1	1700	7482	Sat	11100 00000 28741 29081 01699	FSK 200/1000	(AB)
F06	6-1	1710	5092	Sat	11100 00000 28741 29081 01699	FSK 200/1000	(AB)
F06	6-1	1720	4043	Sat	11100 00000 28741 29081 01699	FSK 200/1000	(AB)
F06	7-1	0840	7990	Sun	11100 00000 28741 29081 01699	FSK 200/1000	(AB-FIN)

F06	7-1	1530	11525	Sun	11166 10053 18642 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7-1	1540	10437	Sun	11166 10053 18642 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	7-1	1550	8137	Sun	11166 10053 18642 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9-1	0030	10177	Tue	11166 60070 75321 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-1	0040	9331	Tue	11166 60070 75321 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-1	0050	7959	Tue	11166 60070 75321 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-1	0700	10294	Tue	11166 70202 97325 29013 02039 and 11166 70202 16487 29014 01779	FSK 200/1000	(AB)
F06	9-1	0710	8068	Tue	11166 70202 97325 29013 02039 and 11166 70202 16487 29014 01779	FSK 200/1000	(AB)
F06	9-1	0720	6769	Tue	11166 70202 97325 29013 02039 and 11166 70202 16487 29014 01779	FSK 200/1000	(AB)
F06	9-1	1200	10158	Tue	11166 70202 97325 29013 02039 and 11166 70202 16487 29014 01779	FSK 200/1000	(AB)
F06	9-1	1210	8023	Tue	11166 70202 97325 29013 02039 and 11166 70202 16487 29014 01779	FSK 200/1000	(AB)
F06	9-1	1220	6796	Tue	11166 70202 97325 29013 02039 and 11166 70202 16487 29014 01779	FSK 200/1000	(AB)
F06	9-1	1230	11582	Tue	11166 30154 52148 09205 00049 00000 00000 00000 00000 (off freq; normally on 11585 kHz	FSK 200/1000	(PY)
F06	9-1	1240	8165	Tue	11166 30154 52148 09205 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR/PY)
F06	9-1	1250	6796	Tue	11166 30154 52148 09205 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	9-1	1250	5089	Tue	11100 00000 86491 09098 02829	FSK 200/1000	(sse)
F06	9-1	1300	7337	Tue	11100 00000 86491 09098 02829 interruptions of modulation	FSK 200/1000	(sse)
F06	9-1	1310	9481	Tue	11100 00000 86491 09098 02829 interruptions of modulation	FSK 200/1000	(sse)
F06	9-1	1650	10651	Tue	11166 10053 13467 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-1	1700	8189	Tue	11166 10053 13467 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-1	1710	7457	Tue	11166 10053 13467 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-1	0600	20154	Wed	11166 40122 43769 06091 03029 and 11166 40122 12769 06092 02639	FSK 200/1000	(AB-KOR)
F06	10-1	0610	18304	Wed	11166 40122 43769 06091 03029 and 11166 40122 12769 06092 02639	FSK 200/1000	(AB-KOR)
F06	10-1	0620	16156	Wed	11166 40122 43769 06091 03029 and 11166 40122 12769 06092 02639	FSK 200/1000	(AB-KOR)
F06	10-1	1015	23877	Wed	11166 40023 74691 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-1	1030	19935	Wed	11166 40023 74691 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-1	1045	17523	Wed	11166 40023 74691 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-1	1310	8135	Wed	11166 10075 36251 10069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	10-1	1310	9377	Wed	Null message	FSK 200/1000	(PY)
F06	10-1	1320	6943	Wed	11166 10075 36251 10069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	10-1	1320	6945	Wed	11166 60081 98745 10069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	11-1	0600	20154	Tue	11166 40122 43769 06091 03029 and 11166 40122 12769 06092 02639	FSK 200/1000	(AB-KOR)
F06	11-1	0610	18304	Tue	11166 40122 43769 06091 03029 and 11166 40122 12769 06092 02639	FSK 200/1000	(AB-KOR)
F06	11-1	0620	16156	Tue	11166 40122 43769 06091 03029 and 11166 40122 12769 06092 02639	FSK 200/1000	(AB-KOR)
F06	11-1	0700	10294	Tue	11166 70202 42813 10016 02139 and 11166 70202 23789 10017 01679	FSK 200/1000	(AB)
F06	11-1	0710	8068	Tue	11166 70202 42813 10016 02139 and 11166 70202 23789 10017 01679	FSK 200/1000	(AB)
F06	11-1	0720	6769	Tue	11166 70202 42813 10016 02139 and 11166 70202 23789 10017 01679	FSK 200/1000	(AB)
F06	11-1	1200	10158	Tue	11166 70202 42813 10016 02139 and 11166 70202 23789 10017 01679	FSK 200/1000	(AB)
F06	11-1	1210	8023	Tue	11166 70202 42813 10016 02139 and 11166 70202 23789 10017 01679	FSK 200/1000	(AB)
F06	11-1	1220	6796	Tue	11166 70202 42813 10016 02139 and 11166 70202 23789 10017 01679	FSK 200/1000	(AB)
F06	11-1	1330	14471	Tue	11166 80214 52973 10021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-1	1340	12218	Tue	11166 80214 52973 10021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	11-1	1350	9933	Tue	11166 80214 52973 10021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-1	0700	10294	Fri	11166 70202 65217 12069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-1	0710	8068	Fri	11166 70202 65217 12069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-1	0720	6769	Fri	11166 70202 65217 12069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-1	1700	7482	Sat	11100 00000 89561 12082 02059	FSK 200/1000	(AB)
F06	13-1	1710	5092	Sat	11100 00000 89561 12082 02059	FSK 200/1000	(AB)
F06	13-1	1720	4043	Sat	11100 00000 89561 12082 02059	FSK 200/1000	(AB)
F06	14-1	0830	9481	Sun	11100 00000 89561 12082 02059	FSK 200/1000	(AB)
F06	14-1	0840	7990	Sun	11100 00000 89561 12082 02059	FSK 200/1000	(AB)
F06	14-1	0850	5087	Sun	11100 00000 89561 12082 02059	FSK 200/1000	(AB-D)
F06	14-1	1530	11525	Sun	11166 10053 12367 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-1	1540	10437	Sun	11166 10053 12367 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-1	1550	8137	Sun	11166 10053 12367 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-1	0500	6925	Mon	11166 70059 12356 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-1	0510	5235	Mon	11166 70059 12356 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-1	0520	4528	Mon	11166 70059 12356 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-1	0030	10177	Tue	Too weak to decode	FSK 200/1000	(AB)
F06	16-1	0040	9331	Tue	Too weak to decode	FSK 200/1000	(AB)
F06	16-1	0050	7959	Tue	Too weak to decode	FSK 200/1000	(AB)
F06	16-1	0700	10294	Tue	11166 70202 85741 15019 02059 and 11166 70202 97651 15020 01699	FSK 200/1000	(AB)
F06	16-1	0710	8068	Tue	11166 70202 85741 15019 02059 and 11166 70202 97651 15020 01699	FSK 200/1000	(AB)
F06	16-1	0720	6769	Tue	11166 70202 85741 15019 02059 and 11166 70202 97651 15020 01699	FSK 200/1000	(AB)
F06	16-1	0830	6957	Tue	11100 00000 75321 16003 02529 and 11100 00000 95123 16004 01529	FSK 200/1000	(PY)
F06	16-1	0840	9425	Tue	11100 00000 75321 16003 02529 and 11100 00000 95123 16004 01529	FSK 200/1000	(PY)
F06	16-1	0850	11611	Tue	11100 00000 75321 16003 02529 and 11100 00000 95123 16004 01529 interruptions of modulation	FSK 200/1000	(PY)
F06	16-1	1130	20163	Tue	Unconfirmed, fullday only	FSK 200/1000	(FD)
F06	16-1	1140	18284	Tue	apparently 1 msg, 131 blocks	FSK 200/1000	(Pof)
F06	16-1	1200	10158	Tue	11166 70202 85741 15019 02059 and 11166 70202 97651 15020 01699	FSK 200/1000	(AB)
F06	16-1	1200	5089	Tue	11100 00000 12356 16005 02539 and 11100 00000 65321 16006 02539	FSK 200/1000	(PY)
F06	16-1	1210	8023	Tue	11166 70202 85741 15019 02059 and 11166 70202 97651 15020 01699	FSK 200/1000	(AB)
F06	16-1	1210	7337	Tue	11100 00000 12356 16005 02539 and 11100 00000 65321 16006 02539 interruptions of modulation and signal	FSK 200/1000	(Pof)
F06	16-1	1220	6796	Tue	11166 70202 85741 15019 02059 and 11166 70202 97651 15020 01699	FSK 200/1000	(AB)
F06	16-1	1220	9481	Tue	11100 00000 12356 16005 02539 and 11100 00000 65321 16006 02539	FSK 200/1000	(Pof)
F06	16-1	1230	11585	Tue	11166 30154 13579 33016 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J/PY)
F06	16-1	1240	8165	Tue	11166 30154 13579 33016 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR/PY)
F06	16-1	1250	6796	Tue	11166 30154 13579 33016 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	16-1	1650	10651	Tue	11166 10053 46290 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-1	1700	8189	Tue	11166 10053 46290 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-1	1710	7457	Tue	11166 10053 46290 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-1	0600	20154	Wed	11166 40122 12547 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)

F06	17-1	0610	18304	Wed	11166 40122 12547 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	17-1	0620	16156	Wed	11166 40122 12547 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	17-1	1310	8135	Wed	11166 10075 12547 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	17-1	1310	9377	Wed	11166 60081 12587 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	17-1	1310	8135	Wed	Null message	FSK 200/1000	(PY)
F06	17-1	1320	6943	Wed	11166 10075 12547 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	17-1	1320	6945	Wed	11166 60081 12587 17069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	18-1	0700	10294	Tue	11166 70202 12476 17022 01659 and 11166 70202 58349 17023 01739	FSK 200/1000	(AB)
F06	18-1	0710	8068	Tue	11166 70202 12476 17022 01659 and 11166 70202 58349 17023 01739	FSK 200/1000	(AB)
F06	18-1	0720	6769	Tue	11166 70202 12476 17022 01659 and 11166 70202 58349 17023 01739	FSK 200/1000	(AB)
F06	18-1	1200	10158	Tue	11166 70202 12476 17022 01659 and 11166 70202 58349 17023 01739	FSK 200/1000	(AB)
F06	18-1	1210	8023	Tue	11166 70202 12476 17022 01659 and 11166 70202 58349 17023 01739	FSK 200/1000	(AB)
F06	18-1	1220	6796	Tue	11166 70202 12476 17022 01659 and 11166 70202 58349 17023 01739	FSK 200/1000	(AB)
F06	18-1	1330	14471	Tue	11166 80214 12379 18059 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-1	1340	12218	Tue	11166 80214 12379 18059 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-1	1350	9933	Tue	11166 80214 12379 18059 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-1	0700	10294	Fri	11166 70202 79461 18088 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-1	0710	8068	Fri	11166 70202 79461 18088 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-1	0720	6769	Fri	11166 70202 79461 18088 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-1	1700	7482	Sat	11100 00000 63248 19083 02239	FSK 200/1000	(AB)
F06	20-1	1710	5092	Sat	11100 00000 63248 19083 02239	FSK 200/1000	(AB)
F06	20-1	1720	4043	Sat	11100 00000 63248 19083 02239	FSK 200/1000	(AB)
F06	21-1	0830	9481	Sun	11100 00000 63248 19083 02239	FSK 200/1000	(AB-D)
F06	21-1	0840	7990	Sun	11100 00000 63248 19083 02239	FSK 200/1000	(AB-D)
F06	21-1	0850	5087	Sun	11100 00000 63248 19083 02239	FSK 200/1000	(AB-D)
F06	21-1	1530	11525	Sun	11166 10053 13467 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-1	1540	10437	Sun	11166 10053 13467 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-1	1550	8137	Sun	11166 10053 13467 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-1	1415	5089	Mon	11100 00000 54861 22012 02569	FSK 200/1000	(PY)
F06	22-1	1425	7337	Mon	11100 00000 54861 22012 02569 interruptions of modulation	FSK 200/1000	(PY)
F06	22-1	1435	9481	Mon	11100 00000 54861 22012 02569 interruptions of modulation	FSK 200/1000	(Pof)
F06	23-1	0030	10177	Tue	11166 60070 17935 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-1	0040	9331	Tue	11166 60070 17935 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-1	0050	7959	Tue	11166 60070 17935 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-1	0700	10294	Tue	11166 70202 41357 22025 01859 and 11166 70202 91378 22026 01539	FSK 200/1000	(AB)
F06	23-1	0710	8068	Tue	11166 70202 41357 22025 01859 and 11166 70202 91378 22026 01539	FSK 200/1000	(AB)
F06	23-1	0720	6769	Tue	11166 70202 41357 22025 01859 and 11166 70202 91378 22026 01539	FSK 200/1000	(AB)
F06	23-1	1200	10158	Tue	11166 70202 41357 22025 01859 and 11166 70202 91378 22026 01539	FSK 200/1000	(AB)
F06	23-1	1210	8023	Tue	11166 70202 41357 22025 01859 and 11166 70202 91378 22026 01539	FSK 200/1000	(AB)
F06	23-1	1220	6796	Tue	11166 70202 41357 22025 01859 and 11166 70202 91378 22026 01539	FSK 200/1000	(AB)
F06	23-1	1230	11585	Tue	11166 30154 35798 23565 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J/PY)
F06	23-1	1230	11585	Tue	11166 30154 35798 23565 00049 00000 00000 00000 00000	FSK 200/1000	(PY)

F06	23-1	1240	8165	Tue	11166 30154 35798 23565 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR/PY)
F06	23-1	1250	6796	Tue	11166 30154 35798 23565 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	23-1	1650	10651	Tue	11166 10053 75321 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-1	1700	8189	Tue	11166 10053 75321 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-1	1710	7457	Tue	11166 10053 75321 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-1	1835	4482	Tue	i.p. ended at 1836z	FSK 200/1000	(Pof)
F06	24-1	1015	23877	Wed	11166 40023 13467 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-1	1030	19935	Wed	11166 40023 13467 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-1	1045	17523	Wed	11166 40023 13467 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-1	1300	10639	Wed	11166 60081 54213 24001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	24-1	1310	8135	Wed	11166 10075 13467 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR/PY)
F06	24-1	1310	9377	Wed	11166 60081 54213 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	24-1	1320	6943	Wed	11166 10075 13467 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	24-1	1320	6945	Wed	11166 60081 54213 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	24-1	1400	9073	Wed	11166 30077 13467 24001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	24-1	1410	7565	Wed	11166 30077 13467 24001 00049 00000 00000 00000 00000	FSK 200/1000	(sse)
F06	24-1	1420	6787	Wed	11166 30077 13467 24001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	25-1	0700	10294	Tue	11166 70202 95418 24028 01659 and 11166 70202 18579 24029 02539	FSK 200/1000	(AB)
F06	25-1	0710	8068	Tue	11166 70202 95418 24028 01659 and 11166 70202 18579 24029 02539	FSK 200/1000	(AB)
F06	25-1	0720	6769	Tue	11166 70202 95418 24028 01659 and 11166 70202 18579 24029 02539	FSK 200/1000	(AB)
F06	25-1	1200	10158	Tue	11166 70202 95418 24028 01659 and 11166 70202 18579 24029 02539	FSK 200/1000	(AB)
F06	25-1	1210	8023	Tue	11166 70202 95418 24028 01659 and 11166 70202 18579 24029 02539	FSK 200/1000	(AB)
F06	25-1	1220	6796	Tue	11166 70202 95418 24028 01659 and 11166 70202 18579 24029 02539	FSK 200/1000	(AB)
F06	25-1	1330	14471	Tue	11166 80214 52173 25026 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	25-1	1340	12218	Tue	11166 80214 52173 25026 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	25-1	1350	9933	Tue	11166 80214 52173 25026 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	26-1	0700	10294	Fri	11166 70202 75146 26042 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-1	0710	8068	Fri	11166 70202 75146 26042 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-1	0720	6769	Fri	11166 70202 75146 26042 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-1	0300	8071	Sat	1 message, 77 blocks	FSK 200/1000	(Rycat)
F06	27-1	0315	10157	Sat	1 message, 77 blocks	FSK 200/1000	(Rycat)
F06	27-1	1700	7482	Sat	11100 00000 35741 26084 02379	FSK 200/1000	(AB)
F06	27-1	1710	5092	Sat	11100 00000 35741 26084 02379	FSK 200/1000	(AB)
F06	27-1	1720	4043	Sat	11100 00000 35741 26084 02379	FSK 200/1000	(AB)
F06	28-1	0830	9481	Sun	11100 00000 35741 26084 02379	FSK 200/1000	(AB-D)
F06	28-1	0840	7990	Sun	11100 00000 35741 26084 02379	FSK 200/1000	(AB-D)
F06	28-1	0850	5087	Sun	11100 00000 35741 26084 02379	FSK 200/1000	(AB-D)
F06	28-1	1530	11525	Sun	11166 10053 14786 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-1	1540	10437	Sun	11166 10053 14786 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-1	1550	8137	Sun	11166 10053 14786 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-1	0030	10177	Tue	11166 60070 12457 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-1	0040	9331	Tue	11166 60070 12457 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	30-1	0050	7959	Tue	11166 60070 12457 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-1	0700	10294	Tue	11166 70202 36587 29031 01939 and 11166 70202 14589 29032 01639	FSK 200/1000	(AB)
F06	30-1	0710	8068	Tue	11166 70202 36587 29031 01939 and 11166 70202 14589 29032 01639	FSK 200/1000	(AB)
F06	30-1	0720	6769	Tue	11166 70202 36587 29031 01939 and 11166 70202 14589 29032 01639	FSK 200/1000	(AB)
F06	30-1	1200	10158	Tue	11166 70202 36587 29031 01939 and 11166 70202 14589 29032 01639	FSK 200/1000	(AB/MPJ)
F06	30-1	1210	8023	Tue	11166 70202 36587 29031 01939 and 11166 70202 14589 29032 01639	FSK 200/1000	(AB/MPJ)
F06	30-1	1220	6796	Tue	11166 70202 36587 29031 01939 and 11166 70202 14589 29032 01639	FSK 200/1000	(AB/MPJ)
F06	30-1	1230	11585	Tue	11166 30154 16349 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J/PY)
F06	30-1	1240	8165	Tue	11166 30154 16349 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J/PY)
F06	30-1	1250	6796	Tue	11166 30154 16349 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	30-1	1650	10651	Tue	11166 10053 16493 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	30-1	1700	8189	Tue	11166 10053 16493 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	30-1	1710	7457	Tue	11166 10053 16493 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	31-1	1300	10279	Wed	11166 10075 14758 31008 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR/PY)
F06	31-1	1300	10639	Wed	11166 60081 18930 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	31-1	1310	8135	Wed	11166 10075 14758 31008 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR/PY)
F06	31-1	1310	9377	Wed	11166 60081 18930 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	31-1	1320	6943	Wed	11166 10075 14758 31008 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	31-1	1320	6945	Wed	11166 60081 18930 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/PY)
F06	31-1	1400	9073	Wed	11166 30077 47965 31002 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	31-1	1410	7565	Wed	11166 30077 47965 31002 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	31-1	1420	6787	Wed	11166 30077 47965 31002 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06a	1-1	0700	10294	Mon	File 44406 (binary contents)	FSK 200/1000	(AB)
F06a	1-1	0715	8068	Mon	File 44406 (binary contents)	FSK 200/1000	(AB)
F06a	1-1	0730	6769	Mon	File 44406 (binary contents)	FSK 200/1000	(AB)
F06a	1-1	1200	10158	Mon	File 44406 (binary contents)	FSK 200/1000	(AB)
F06a	1-1	1215	8023	Mon	File 44406 (binary contents)	FSK 200/1000	(AB)
F06a	1-1	1230	6796	Mon	File 44406 (binary contents)	FSK 200/1000	(AB)
F06a	3-1	0700	10294	Wed	File 44409 (binary contents)	FSK 200/1000	(AB)
F06a	3-1	0715	8068	Wed	File 44409 (binary contents)	FSK 200/1000	(AB)
F06a	3-1	0730	6769	Wed	File 44409 (binary contents)	FSK 200/1000	(AB)
F06a	3-1	1200	10158	Wed	File 44409 (binary contents)	FSK 200/1000	(AB)
F06a	3-1	1215	8023	Wed	File 44409 (binary contents)	FSK 200/1000	(AB)
F06a	3-1	1230	6796	Wed	File 44409 (binary contents)	FSK 200/1000	(AB)
F06a	4-1	0500	3629	Tue	File 44414 (binary contents)	FSK 200/1000	(AB)
F06a	4-1	0515	4473	Tue	File 44414 (binary contents)	FSK 200/1000	(AB)
F06a	4-1	0530	5239	Tue	File 44414 (binary contents)	FSK 200/1000	(AB)
F06a	5-1	0500	3629	Fri	File 44414 (binary contents)	FSK 200/1000	(AB)
F06a	5-1	0515	4473	Fri	File 44414 (binary contents)	FSK 200/1000	(AB)
F06a	5-1	0530	5239	Fri	File 44414 (binary contents)	FSK 200/1000	(AB)
F06a	8-1	0700	10294	Mon	File 44412 (binary contents) Header 11166 70202 63180 29012 00009	FSK 200/1000	(AB)
F06a	8-1	0715	8068	Mon	File 44412 (binary contents) Header 11166 70202 63180 29012 00009	FSK 200/1000	(AB)

F06a	8-1	0730	6769	Mon	File 44412 (binary contents) Header 11166 70202 63180 29012 00009	FSK 200/1000	(AB)
F06a	8-1	1200	10158	Mon	File 44412 (binary contents) Header 11166 70202 63180 29012 00009	FSK 200/1000	(AB)
F06a	8-1	1215	8023	Mon	File 44412 (binary contents) Header 11166 70202 63180 29012 00009	FSK 200/1000	(AB)
F06a	8-1	1230	6796	Mon	File 44412 (binary contents) Header 11166 70202 63180 29012 00009	FSK 200/1000	(AB)
F06a	9-1	1450	5913	Tue	File 04499 (2627 bytes), interruptions of modulation	FSK 200/1000	(PY)
F06a	9-1	1505	7992	Tue	File 04499 (2627 bytes), interruptions of modulation	FSK 200/1000	(PY)
F06a	9-1	1520	10687	Tue	File 04499 (2627 bytes), interruptions of modulation	FSK 200/1000	(PY)
F06a	9-1	1545	5787	Tue	i.p. ... HOHGV BERWU TELNO	FSK 200/1000	(PY)
F06a	10-1	0700	10294	Wed	File 44415 (binary contents) Header 11166 70202 96325 09015 00009	FSK 200/1000	(AB)
F06a	10-1	0715	8068	Wed	File 44415 (binary contents) Header 11166 70202 96325 09015 00009	FSK 200/1000	(AB)
F06a	10-1	0730	6769	Wed	File 44415 (binary contents) Header 11166 70202 96325 09015 00009	FSK 200/1000	(AB)
F06a	10-1	1200	10158	Wed	File 44415 (binary contents) Header 11166 70202 96325 09015 00009	FSK 200/1000	(AB)
F06a	10-1	1215	8023	Wed	File 44415 (binary contents) Header 11166 70202 96325 09015 00009	FSK 200/1000	(AB)
F06a	10-1	1230	6796	Wed	File 44415 (binary contents) Header 11166 70202 96325 09015 00009	FSK 200/1000	(AB)
F06a	11-1	0500	3629	Tue	File 44415 (binary contents)	FSK 200/1000	(AB)
F06a	11-1	0515	4473	Tue	File 44415 (binary contents)	FSK 200/1000	(AB)
F06a	11-1	0530	5239	Tue	File 44415 (binary contents)	FSK 200/1000	(AB)
F06a	12-1	0500	3629	Fri	File 44415 (binary contents)	FSK 200/1000	(AB)
F06a	12-1	0515	4473	Fri	File 44415 (binary contents)	FSK 200/1000	(AB)
F06a	12-1	0530	5239	Fri	File 44415 (binary contents)	FSK 200/1000	(AB)
F06a	15-1	0700	10294	Mon	File 44418 (binary contents)	FSK 200/1000	(AB)
F06a	15-1	0715	8068	Mon	File 44418 (binary contents)	FSK 200/1000	(AB)
F06a	15-1	0730	6769	Mon	File 44418 (binary contents)	FSK 200/1000	(AB)
F06a	15-1	1200	10158	Mon	File 44418 (binary contents)	FSK 200/1000	(AB)
F06a	15-1	1215	8023	Mon	File 44418 (binary contents)	FSK 200/1000	(AB)
F06a	15-1	1230	6796	Mon	File 44418 (binary contents)	FSK 200/1000	(AB)
F06a	17-1	0700	10294	Wed	File 44421 (binary contents)	FSK 200/1000	(AB)
F06a	17-1	0715	8068	Wed	File 44421 (binary contents)	FSK 200/1000	(AB)
F06a	17-1	0730	6769	Wed	File 44421 (binary contents)	FSK 200/1000	(AB)
F06a	17-1	1200	10158	Wed	File 44421 (binary contents)	FSK 200/1000	(AB)
F06a	17-1	1215	8023	Wed	File 44421 (binary contents)	FSK 200/1000	(AB)
F06a	17-1	1230	6796	Wed	File 44421 (binary contents)	FSK 200/1000	(AB)
F06a	18-1	0500	3629	Tue	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	18-1	0515	4473	Tue	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	18-1	0530	5239	Tue	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	18-1	1620	10254	Tue	File 40144-~1.TXT (1924 bytes) Header 11100 40144 46138 14162 03119	FSK 200/1000	(PY)
F06a	18-1	1630	8088	Tue	File 40144-~1.TXT (1924 bytes) Header 11100 40144 46138 14162 03119	FSK 200/1000	(PY)
F06a	18-1	1640	6786	Tue	File 40144-~1.TXT (1924 bytes) Header 11100 40144 46138 14162 03119	FSK 200/1000	(PY)
F06a	19-1	0500	3629	Fri	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	19-1	0515	4473	Fri	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	19-1	0530	5239	Fri	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	22-1	0700	10294	Mon	File 44424 (binary contents) Header 11166 70202 89562 19024 00009	FSK 200/1000	(AB)

F06a	22-1	0715	8068	Mon	File 44424 (binary contents) Header 11166 70202 89562 19024 00009	FSK 200/1000	(AB)
F06a	22-1	0730	6769	Mon	File 44424 (binary contents) Header 11166 70202 89562 19024 00009	FSK 200/1000	(AB)
F06a	22-1	0800	10316	Mon	File 00173~1.TXT (2022 bytes). Header 11100 00173 93702 20150 03279	FSK 200/1000	(PY)
F06a	22-1	0810	12219	Mon	File 00173~1.TXT (2022 bytes). Header 11100 00173 93702 20150 03279	FSK 200/1000	(PY)
F06a	22-1	0820	14652	Mon	File 00173~1.TXT (2022 bytes). Header 11100 00173 93702 20150 03279	FSK 200/1000	(PY)
F06a	22-1	1200	10158	Mon	File 44424 (binary contents) Header 11166 70202 89562 19024 00009	FSK 200/1000	(AB)
F06a	22-1	1215	8023	Mon	File 44424 (binary contents) Header 11166 70202 89562 19024 00009	FSK 200/1000	(AB)
F06a	22-1	1230	6796	Mon	File 44424 (binary contents) Header 11166 70202 89562 19024 00009	FSK 200/1000	(AB)
F06a	23-1	1030	12227	Tue	File 10053~1.TXT Header 11100 10053 21978 21162 03309	FSK 200/1000	(AB-RUS)
F06a	23-1	1040	14423	Tue	File 10053~1.TXT Header 11100 10053 21978 21162 03309	FSK 200/1000	(AB-J)
F06a	23-1	1050	16283	Tue	File 10053~1.TXT Header 11100 10053 21978 21162 03309	FSK 200/1000	(AB-J)
F06a	24-1	0700	10294	Wed	File 44427 (binary contents)	FSK 200/1000	(AB)
F06a	24-1	0715	8068	Wed	File 44427 (binary contents)	FSK 200/1000	(AB)
F06a	24-1	0730	6769	Wed	File 44427 (binary contents)	FSK 200/1000	(AB)
F06a	24-1	1200	10158	Wed	File 44427 (binary contents)	FSK 200/1000	(AB)
F06a	24-1	1215	8023	Wed	File 44427 (binary contents)	FSK 200/1000	(AB)
F06a	24-1	1230	6796	Wed	File 44427 (binary contents)	FSK 200/1000	(AB)
F06a	25-1	0500	3629	Tue	File 44417 (binary contents)	FSK 200/1000	(AB)
F06a	25-1	0515	4473	Tue	File 44417 (binary contents)	FSK 200/1000	(AB)
F06a	25-1	0530	5239	Tue	File 44417 (binary contents)	FSK 200/1000	(AB)
F06a	26-1	0500	3629	Fri	File 44417 (binary contents)	FSK 200/1000	(AB)
F06a	26-1	0515	4473	Fri	File 44417 (binary contents)	FSK 200/1000	(AB)
F06a	26-1	0530	5239	Fri	File 44417 (binary contents)	FSK 200/1000	(AB)
F06a	27-1	0700	10169	Sat	File 40426 (2554 bytes)	FSK 200/1000	(sse)
F06a	27-1	0715	9328	Sat	File 40426 (2554 bytes)	FSK 200/1000	(PY)
F06a	27-1	0730	8024	Sat	File 40426 (2554 bytes)	FSK 200/1000	(PY)
F06a	29-1	0700	10294	Mon	File 44430 (binary contents)	FSK 200/1000	(AB)
F06a	29-1	0715	8068	Mon	File 44430 (binary contents)	FSK 200/1000	(AB)
F06a	29-1	0730	6769	Mon	File 44430 (binary contents)	FSK 200/1000	(AB)
F06a	29-1	1200	10158	Mon	File 44430 (binary contents)	FSK 200/1000	(AB)
F06a	29-1	1215	8023	Mon	File 44430 (binary contents)	FSK 200/1000	(AB)
F06a	29-1	1230	6796	Mon	File 44430 (binary contents)	FSK 200/1000	(AB)
F06a	31-1	0700	10294	Wed	File 44433 (binary contents) Header 11166 70202 52741 30033 00009	FSK 200/1000	(AB)
F06a	31-1	0715	8068	Wed	File 44433 (binary contents) Header 11166 70202 52741 30033 00009	FSK 200/1000	(AB)
F06a	31-1	0730	6769	Wed	File 44433 (binary contents) Header 11166 70202 52741 30033 00009	FSK 200/1000	(AB)
F06a	31-1	1200	10158	Wed	File 44433 (binary contents) Header 11166 70202 52741 30033 00009	FSK 200/1000	(AB)
F06a	31-1	1215	8023	Wed	File 44433 (binary contents) Header 11166 70202 52741 30033 00009	FSK 200/1000	(AB)
F06a	31-1	1230	6796	Wed	File 44433 (binary contents) Header 11166 70202 52741 30033 00009	FSK 200/1000	(AB)
F07	2-1	2100	7461	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
F07	2-1	2110	6979	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB-POL)
F07	2-1	2120	6783	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-1	2130	5841	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	25-1	2140	5318	Tue	Russian intel.		5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-1	2150	5081	Tue	Russian intel.		5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-1	2100	7461	Tue	Russian intel.		5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-1	2110	6979	Tue	Russian intel.		5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-1	2120	6783	Tue	Russian intel.		5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-1	2130	5841	Tue	Russian intel.		5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-1	2140	5318	Tue	Russian intel.		5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-1	2150	5081	Tue	Russian inOel.		5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
G06	30-1	1410	11073	Tue	352 198 60 37180 89766 95722 ... 24224 33748 64790 198 60 00000		USB	(PY)
HM01	23-1	0500	10860	Tue	85881 35282 81435 32584 77226 30149		AM/WinDRM	(Rycat)
HM01	23-1	0600	10345	Tue	85881 35282 81435 32584 77226 30149 Files 62348588.TXT 43463528.TXT 18408143.TXT 02683258.TXT 80717722.TXT 66443014.TXT Callsign QWERTY01		AM/WinDRM	(AB-USA)
HM01	23-1	0628	10345	Tue	85881 35282 81435 32584 77226 30149		AM/WinDRM	(AB-USA)
HM01	23-1	0700	9330	Tue	85881 35282 81435 32584 77226 30149		AM/WinDRM	(AB)
HM01	23-1	0758	9065	Tue	85881 35282 81435 32584 77226 30149		AM/WinDRM	(AB)
HM01	23-1	0900	9240	Tue	85881 35282 81435 32584 77226 30149		AM/WinDRM	(AB)
HM01	23-1	1000	9155	Tue	85881 35282 81435 32584 77226 30149		AM/WinDRM	(AB)
HM01	23-1	1600	11435	Tue	85881 35282 81435 32584 77226 30149		AM/WinDRM	(AB-USA)
HM01	23-1	1654	11530	Tue	85881 35282 81435 32584 77226 30149		AM/WinDRM	(AB-USA)
HM01	24-1	0600	10860	Wed	85882 35283 81436 32585 77227 74521 Files 62348588.TXT 43463528.TXT 18408143.TXT 02683258.TXT 80717722.TXT 71727452.TXT Callsign: QWERTY01		AM/WinDRM	(AB-USA)
HM01	24-1	0630	10345	Wed	85882 35283 81436 32585 77227 74521		AM/WinDRM	(AB-USA)
HM01	24-1	0700	9065	Wed	85882 35283 81436 32585 77227 74521		AM/WinDRM	(AB-USA)
HM01	24-1	1030	9155	Wed	85882 35283 81436 32585 77227 74521		AM/WinDRM	(AB)
HM01	25-1	0700	13435	Tue	85883 35284 81437 32586 73161 74521 Files 62348588.TXT 43463528.TXT 18408143.TXT 02683258.TXT 61047316.TXT 71727452.TXT Callsign: QWERTY01		AM/WinDRM	(AB-CLM)
HM01	25-1	0800	13435	Tue	85883 35284 81437 32586 73161 74521 switched to 11635 kHz at 0806z		AM/WinDRM	(AB-ATN)
HM01	25-1	0806	11635	Tue	85883 35284 81437 32586 73161 74521		AM/WinDRM	(AB-ATN)
HM01	25-1	0857	11462	Tue	85883 35284 81437 32586 73161 74521		AM/WinDRM	(AB-ATN)
HM01	25-1	1000	11462	Tue	85883 35284 81437 32586 73161 74521 switched to 12180 kHz at 1018z		AM/WinDRM	(AB-ATN)
HM01	25-1	1018	12180	Tue	85883 35284 81437 32586 73161 74521		AM/WinDRM	(AB-ATN)
HM01	25-1	1809	11635	Tue	85883 35284 81437 32586 73161 74521 Files 62348588.TXT 43463528.TXT 18408143.TXT 02683258.TXT 61047316.TXT 71727452.TXT Callsign: QWERTY01		AM/WinDRM	(AB-USA)
HM01	26-1	0644	10345	Fri	85884 35285 81438 32587 73161 74522 Files 62348588.TXT 43463528.TXT 18408143.TXT 02683258.TXT 61047316.TXT 71727452.TXT Callsign: QWERTY01		AM/WinDRM	(AB-USA)
HM01	26-1	0653	9330	Fri	85884 35285 81438 32587 73161 74522		AM/WinDRM	(AB-USA)
HM01	26-1	0753	9065	Fri	85884 35285 81438 32587 73161 74522		AM/WinDRM	(AB-USA)
HM01	26-1	2214	10715	Fri	85884 35285 81438 32587 73161 74522		AM/WinDRM	(AB-USA)
HM01	27-1	0850	11635	Sat	85885 35286 81438 88471 73162 74523 Files 62348588.TXT 43463528.TXT 18408143.TXT 22548847.TXT 61047316.TXT 71727452.TXT Callsign: QWERTY01		AM/WinDRM	(AB-USA)
HM01	27-1	0856	11462	Sat	85885 35286 81438 88471 73162 74523		AM/WinDRM	(AB-USA)
HM01	27-1	1000	12180	Sat	85885 35286 81438 88471 73162 74523		AM/WinDRM	(AB-ATN)

HM01	27-1	1640	11435	Sat	85885 35286 81438 88471 73162 74523	AM/WinDRM	(AB-USA)
HM01	28-1	0620	10345	Sun	85886 35287 88471 23551 73163 74524 Files 62348588.TXT 43463528.TXT 22548847.TXT 50072355.F1C 61047316.TXT 71727452.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	28-1	1610	11435	Sun	85886 35287 88471 23551 73163 74524	AM/WinDRM	(AB-USA)
HM01	29-1	0458	10860	Mon	Windows Vista/7 startup system sound and at 0500z an unidentified system sound	AM	(Rycat)
HM01	29-1	0650	10345	Mon	85887 35288 88472 23551 73164 74525 Files 62348588.TXT 43463528.TXT 22548847.TXT 50072355.F1C 61047316.TXT 71727452.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	29-1	0805	9065	Mon	85887 35288 88472 23551 73164 74525	AM/WinDRM	(AB)
HM01	29-1	0900	9240	Mon	85887 35288 88472 23551 73164 74525	AM/WinDRM	(AB)
HM01	29-1	0958	9155	Mon	85887 35288 88472 23551 73164 74525	AM/WinDRM	(AB)
HM01	29-1	1657	11435	Mon	85887 35288 88472 23551 73164 74525	AM/WinDRM	(AB-USA)
HM01	30-1	0603	13435	Tue	15741 30221 88473 23552 73165 74526 Files 22561574.TXT 54163022.TXT 22548847.TXT 50072355.F1C 61047316.TXT 71727452.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	30-1	1618	11435	Tue	15741 30221 88473 23552 73165 74526	AM/WinDRM	(AB-USA)
HM01	31-1	0600	10345	Wed	15742 30222 88475 23554 73167 74528 Files 22561574.TXT 54163022.TXT 22548847.TXT 50072355.F1C 61047316.TXT 71727452.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	31-1	0700	9330	Wed	15742 30222 88475 23554 73167 74528	AM/WinDRM	(AB)
HM01	31-1	0800	9065	Wed	15742 30222 88475 23554 73167 74528	AM/WinDRM	(AB)
HM01	31-1	1640	11435	Wed	15742 30222 88475 23554 73167 74528	AM/WinDRM	(AB-USA)
HM01	31-1	1701	11530	Wed	15742 30222 88475 23554 73167 74528	AM/WinDRM	(AB-USA)
LSB	15-1	1201	4435	Mon	Chinese Air Defense a.k.a. Chinese Robot		(AB-TWN)
LSB	22-1	1130	4435	Mon	Chinese Air Defense a.k.a. Chinese Robot		(AB-TWN)
LSB	23-1	1159	4435	Tue	Chinese Air Defense a.k.a. Chinese Robot		(AB-TWN)
M01	2-1	1800	5320	Tue	197 238 238 30 30 86768 74637 62546 ... 89053 26743 75875 == 382 382 30 30 000	CW	(AB-S/SOB)
M01	2-1	2000	4490	Tue	197 547 547 30 30 == (very weak)	CW	(AB/SOB)
M01	4-1	1805	5320	Tue	Late start. 197 (1x) 175 175 3 (pause) 0 30 == 11238 14267 13873 ... 32011 32131 34121 == 175 175 30 30 000	CW	(SOB)
M01	7-1	0702	5465	Sun	Late start. 197 757 30 == 12421 15739 19362 ... 39366 33905 36277 == 757 30 000	CW	(AB)
M01	7-1	0715	9566	Sun	475 209 50 == 78684 66212 32775 ... 07281 18066 53123 == 000	USB	(AB)
M01	7-1	1515	5685	Sun	i.p. too poor to copy	MCW	(Pof)
M01	9-1	1800	5320	Tue	197 879 879 30 30 == 1st part unreadable ... 40561 01326 20316 == 879 879 30 30 000	CW	(AB)
M01	9-1	2000	4490	Tue	197 727 727 30 30 == 12516 29734 11729 ... 96415 95076 99223 == 727 727 30 30 000	CW	(AB-S)
M01	11-1	2000	4490	Tue	197 256 256 30 30 == 68766 35467 13243 ... 68798 10908 78879 == 256 256 30 30 000	CW	(AB)
M01	13-1	1500	5810	Sat	197 788 788 30 30 == 65837 93728 86950 ... 89809 27564 97898 == 788 788 30 30 000	CW	(AB-D)
M01	14-1	0700	5465	Sun	197 161 161 30 30 == 86759 26587 10908 ... 65978 24356 98079 == 161 15 EEEE == 161 161 30 30 000	CW	(AB)
M01	14-1	0715	9566	Sun	475 200 200 50 50 == 73204 13042 34041 ... 68818 58247 31447 200 200 == 000	USB	(AB)
M01	16-1	1759	5320	Tue	197 987 897 30 30 87625 18276 3749 ... 87365 01937 37486 == 897 897 30 30 000 Sent only 29 groups	CW	(AB-D)
M01	16-1	2000	4490	Tue	197 231 231 30 30 == 83746 28437 92759 ... 12345 64827 28748 == 231 231 30 30 000	CW	(AB-S)
M01	18-1	1519	5685	Tue	i.p. 32254 32887 89120 == 144 50 000	MCW	(Pof/sse)
M01	20-1	1500	5810	Sat	197 307 307 30 30 == 29463 93035 74834 ... 63825 82363 84756 == 307 307 30 30 000	CW	(Subilo/AB)

M01	21-1	0700	5465	Sun	197 447 447 30 30 == 39573 38572 13145 ... 40456 75831 74814 == 447 447 30 30 000	CW	(AB)
M01	23-1	1759	5320	Tue	197 431 431 30 30 == 86905 95874 44738 ... 40921 56748 78695 == 431 431 30 30 000	CW	(AB-D)
M01	23-1	2000	4490	Tue	197 731 731 30 30 == 87165 13241 09816 ... 22890 44028 45638 == 731 731 30 30 000	CW	(Subilo/AB)
M01	25-1	1800	5320	Tue	197 133 133 30 30 == 16574 53647 86759 ... 86959 16539 51423 == 133 133 30 30 000	CW	(AB-S)
M01	25-1	2000	4490	Tue	197 677 677 30 30 == 96750 39670 12345 ... 63274 56241 85746 == 677 677 30 30 000 Sent only 29 groups	CW	(AB)
M01	27-1	0715	9566	Sat	475 167 167 50 50 == 25971 60749 81903 ... 58391 93817 25889 == 167 167 50 50 000	CW/USB	(AB-FIN)
M01	27-1	1500	5810	Sat	197 312 312 30 30 == 75648 09187 13241 ... 30187 15624 01761 == 312 312 30 30 000	CW	(AB-S)
M01	28-1	0700	5465	Sun	197 759 759 30 30 == 76890 49038 47657 ... 45378 23109 43901 == 759 759 30 30 000	CW	(AB-S)
M01	28-1	0715	9566	Sun	475 167 167 50 50 == 25971 60749 81903 ... 58391 93817 25889 == 167 167 50 50 000	CW/AM	(AB-FIN)
M01	30-1	1759	5320	Tue	197 476 476 30 30 == 30184 ...	CW	(AB)
M01	30-1	1800	5320	Tue	197 476 476 30 30 == 30184 71194 71194 ... 33890 00173 71000 == 476 476 30 30 000	CW	(Subilo/AB)
M01	30-1	2000	4490	Tue	197 836 836 30 30 == 74824 38274 00384 ... 38845 38195 33746 == 836 836 30 30 000	CW	(AB)
M01a	3-1	0532	9129	Wed	498 498 498 53172 53172 (x20) 498 498 498 52482 52482 (x8) 498 498 498 51166 51166 (x13) 498 498 498 53067 53067 (x12)	CW	(SOB)
M12	1-1	0010	16253	Mon	294 294 294 1 ...	CW	(HFD-J)
M12	1-1	0030	15953	Mon	294 294 294 1 ...	CW	(HFD-J)
M12	1-1	0050	13453	Mon	294 294 294 1 ...	CW	(HFD-J)
M12	1-1	1400	17418	Mon	439 439 439 000	CW	(AB/MPJ)
M12	1-1	1420	16318	Mon	439 439 439 000	CW	(AB/MPJ)
M12	2-1	0300	14673	Tue	641 641 641 1 ...	CW	(HFD-J)
M12	2-1	0320	13373	Tue	641 641 641 1 ...	CW	(HFD-J)
M12	2-1	0340	12173	Tue	641 641 641 1 ...	CW	(HFD-J)
M12	3-1	0800	16357	Wed	343 343 343 1 100 163 100 163 20449 80495 05505 ... 40553 82102 81864 000 000	CW	(AB/HFD)
M12	3-1	0820	17457	Wed	343 343 343 1 100 163 100 163 20449 80495 05505 ... 40553 82102 81864 000 000	CW	(AB/HFD)
M12	3-1	0840	18357	Wed	343 343 343 1 100 163 100 163 20449 80495 05505 ... 40553 82102 81864 000 000	CW	(AB/HFD)
M12	3-1	2000	6782	Wed	781 781 781 1 8388 157 8388 157 12272 55458 76407 ... 41011 42904 72126 000 000	CW	(AB/HFD)
M12	3-1	2020	5882	Wed	781 781 781 1 8388 157 8388 157 12272 55458 76407 ... 41011 42904 72126 000 000	CW	(AB/HFD)
M12	3-1	2040	5182	Wed	781 781 781 1 8388 157 8388 157 12272 55458 76407 ... 41011 42904 72126 000 000	CW	(AB/HFD)
M12	3-1	2310	11161	Wed	142:1 (hfd)	CW	(HFD)
M12	3-1	2330	10461	Wed	142:1 (hfd)	CW	(HFD)
M12	3-1	2330	10461	Wed	142 142 142 1 9431 198 9431 198 79378 02702 35601 ... 11876 65699 39637 000 000	CW	(PY/HFD)
M12	4-1	1400	17418	Tue	439 439 439 000	CW	(AB/MPJ/HFD)
M12	4-1	1420	16318	Tue	439 439 439 000	CW	(AB/MPJ/HFD)
M12	5-1	2000	6782	Fri	781 781 781 1 8388 157 8388 157 12272 55458 76407 ... 41011 42904 72126 000 000	CW	(AB)
M12	5-1	2020	5882	Fri	781 781 781 1 8388 157 8388 157 12272 55458 76407 ... 41011 42904 72126 000 000	CW	(AB)
M12	5-1	2040	5182	Fri	781 781 781 1 8388 157 8388 157 12272 55458 76407 ... 41011 42904 72126 000 000	CW	(AB)
M12	5-1	2200	5778	Fri	771 771 771 000	CW	(AB)
M12	5-1	2220	6778	Fri	771 771 771 000	CW	(AB)
M12	6-1	2200	5778	Sat	771 771 771 000	CW	(AB/HFD)
M12	6-1	2220	6778	Sat	771 771 771 000	CW	(AB/HFD)
M12	7-1	0800	16357	Sun	343 343 343 1 100 163 100 163 20449 80495 05505 ... 40553 82102 81864 000 000	CW	(AB)

M12	7-1	0820	17457	Sun	343 343 343 1 100 163 100 163 20449 80495 05505 ... 40553 82102 81864 000 000	CW	(AB)
M12	7-1	0840	18357	Sun	343 343 343 1 100 163 100 163 20449 80495 05505 ... 40553 82102 81864 000 000	CW	(AB)
M12	8-1	1400	17418	Mon	439 439 439 1 185 87 185 87 40598 77850 67006 ... 37097 91013 27372 000 000	CW	(AB)
M12	8-1	1420	16318	Mon	439 439 439 1 185 87 185 87 40598 77850 67006 ... 37097 91013 27372 000 000	CW	(AB)
M12	8-1	1440	14918	Mon	439 439 439 1 185 87 185 87 40598 77850 67006 ... 37097 91013 27372 000 000	CW	(AB)
M12	10-1	0800	16357	Wed	343 343 343 1 100 163 100 163 20449 80495 05505 ... 40553 82102 81864 000 000	CW	(AB)
M12	10-1	0820	17457	Wed	343 343 343 1 100 163 100 163 20449 80495 05505 ... 40553 82102 81864 000 000	CW	(AB)
M12	10-1	0840	18357	Wed	343 343 343 1 100 163 100 163 20449 80495 05505 ... 40553 82102 81864 000 000	CW	(AB)
M12	10-1	2000	6782	Wed	781 781 781 1 8388 157 8388 157 12272 55458 76407 ... 41011 42904 72126 000 000	CW	(AB)
M12	10-1	2020	5882	Wed	781 781 781 1 8388 157 8388 157 12272 55458 76407 ... 41011 42904 72126 000 000	CW	(AB)
M12	10-1	2040	5182	Wed	781 781 781 1 8388 157 8388 157 12272 55458 76407 ... 41011 42904 72126 000 000	CW	(AB)
M12	11-1	1400	17418	Tue	439 439 439 1 185 87 185 87 40598 77850 67006 ... 37097 91013 27372 000 000	CW	(AB)
M12	11-1	1420	16318	Tue	439 439 439 1 185 87 185 87 40598 77850 67006 ... 37097 91013 27372 000 000	CW	(AB)
M12	11-1	1440	14918	Tue	439 439 439 1 185 87 185 87 40598 77850 67006 ... 37097 91013 27372 000 000	CW	(AB)
M12	11-1	2300	11079	Thu	136 136 136 1 ...	CW	(HFD)
M12	11-1	2320	10279	Thu	136 136 136 1 ...	CW	(HFD)
M12	11-1	2340	9179	Thu	136 136 136 1 ...	CW	(HFD)
M12	12-1	2000	6782	Fri	781 781 781 1 8388 157 8388 157 12272 55458 76407 ... 41011 42904 72126 000 000	CW	(AB)
M12	12-1	2020	5882	Fri	781 781 781 1 8388 157 8388 157 12272 55458 76407 ... 41011 42904 72126 000 000	CW	(AB)
M12	12-1	2040	5182	Fri	781 781 781 1 8388 157 8388 157 12272 55458 76407 ... 41011 42904 72126 000 000	CW	(AB)
M12	12-1	2200	5778	Fri	771 771 771 000	CW	(AB)
M12	12-1	2220	6778	Fri	771 771 771 000	CW	(AB/RL)
M12	13-1	2200	5778	Sat	771 771 771 000	CW	(AB)
M12	13-1	2220	6778	Sat	771 771 771 000	CW	(AB)
M12	14-1	0800	16357	Sun	343 343 343 1 100 163 100 163 20449 80495 05505 ... 40553 82102 81864 000 000	CW	(AB)
M12	14-1	0820	17457	Sun	343 343 343 1 100 163 100 163 20449 80495 05505 ... 40553 82102 81864 000 000	CW	(AB)
M12	14-1	0840	18357	Sun	343 343 343 1 100 163 100 163 20449 80495 05505 ... 40553 82102 81864 000 000	CW	(AB)
M12	15-1	1400	17418	Mon	439 439 439 1 504 74 504 74 42670 45360 87225 ... 52619 28503 18638 000 000	CW	(AB)
M12	15-1	1420	16318	Mon	439 439 439 1 504 74 504 74 42670 45360 87225 ... 52619 28503 18638 000 000	CW	(AB)
M12	15-1	1440	14918	Mon	439 439 439 1 504 74 504 74 42670 45360 87225 ... 52619 28503 18638 000 000	CW	(AB)
M12	15-1	2300	11179	Mon	136 136 136 1 139 77 139 77 37908 56405 10096 ... 22766 15231 36228 000 000	M12	(RL)
M12	15-1	2320	10279	Mon	136 136 136 1 139 77 139 77 37908 56405 10096 ... 22766 15231 36228 000 000	M12	(RL)
M12	15-1	2340	9179	Mon	136 136 136 1 139 77 139 77 37908 56405 10096 ... 22766 15231 36228 000 000	M12	(RL)
M12	17-1	0800	16357	Wed	343 343 343 000	CW	(AB)
M12	17-1	0820	17457	Wed	343 343 343 000	CW	(AB)
M12	17-1	2000	6782	Wed	781 781 781 000	CW	(AB)
M12	17-1	2020	5882	Wed	781 781 781 000	CW	(AB)
M12	18-1	1400	17418	Tue	439 439 439 1 504 74 504 74 42670 45360 87225 ... 52619 28503 18638 000 000	CW	(AB)
M12	18-1	1420	16318	Tue	439 439 439 1 504 74 504 74 42670 45360 87225 ... 52619 28503 18638 000 000	CW	(AB)
M12	18-1	1440	14918	Tue	439 439 439 1 504 74 504 74 42670 45360 87225 ... 52619 28503 18638 000 000	CW	(AB)
M12	18-1	2300	11079	Tue	136 136 136 1 139 77 139 77 37908 56405 10096 ... 22766 15231 36228 000 000	CW	(RL)
M12	18-1	2320	10279	Tue	136 136 136 1 139 77 139 77 37908 56405 10096 ... 22766 15231 36228 000 000	CW	(RL)

M12	18-1	2340	9179	Tue	136 136 136 1 139 77 139 77 37908 56405 10096 ... 22766 15231 36228 000 000	CW	(RL)
M12	19-1	2000	6782	Fri	781 781 781 000	CW	(AB)
M12	19-1	2020	5882	Fri	781 781 781 000	CW	(AB)
M12	20-1	1800	11435	Sat	938 938 938 1 4784 70 4784 70 70179 77171 20410 ... 38444 02513 50330 000 000	CW	(AB/MPJ)
M12	20-1	1820	10598	Sat	938 938 938 1 4784 70 4784 70 70179 77171 20410 ... 38444 02513 50330 000 000	CW	(AB/MPJ)
M12	20-1	1840	9327	Sat	938 938 938 1 4784 70 4784 70 70179 77171 20410 ... 38444 02513 50330 000 000	CW	(AB/MPJ)
M12	20-1	2200	5778	Sat	771 771 771 1 1814 287 1814 287 12472 16917 85140 ... 32164 54395 61279 000 000	CW	(AB)
M12	20-1	2225	6778	Sat	771 771 771 1 1814 287 1814 287 12472 16917 85140 ... 32164 54395 61279 000 000	CW	(AB)
M12	20-1	2251	8178	Sat	771 771 771 1 1814 287 1814 287 12472 16917 85140 ... 32164 54395 61279 000 000	CW	(AB)
M12	21-1	0800	16357	Sun	343 343 343 000	CW	(AB)
M12	21-1	0820	17457	Sun	343 343 343 000	CW	(AB)
M12	21-1	2310	11161	Sun	142 142 142 1 727 132 727 132 30106 33868 18002 ... 25591 51558 60656 000 000	CW	(RL)
M12	21-1	2320	10461	Sun	142 142 142 1 727 132 727 132 30106 33868 18002 ... 25591 51558 60656 000 000	CW	(RL)
M12	21-1	2350	9261	Sun	142 142 142 1 727 132 727 132 30106 33868 18002 ... 25591 51558 60656 000 000	CW	(RL)
M12	22-1	1400	17418	Mon	439 439 439 000	CW	(AB)
M12	22-1	1420	16318	Mon	439 439 439 000	CW	(AB)
M12	24-1	0800	16357	Wed	343 343 343 1 4516 94 4516 94 33357 51939 06818 ... 23836 94323 79674 000 000	CW	(AB)
M12	24-1	0820	17457	Wed	343 343 343 1 4516 94 4516 94 33357 51939 06818 ... 23836 94323 79674 000 000	CW	(AB)
M12	24-1	0840	18357	Wed	343 343 343 1 4516 94 4516 94 33357 51939 06818 ... 23836 94323 79674 000 000	CW	(AB)
M12	24-1	2000	6782	Wed	781 781 781 1 6128 100 6128 100 37499 72972 51876 ... 89836 43985 90050 000 000	CW	(AB/RL-HOL)
M12	24-1	2020	5882	Wed	781 781 781 1 6128 100 6128 100 37499 72972 51876 ... 89836 43985 90050 000 000	CW	(AB/RL-HOL)
M12	24-1	2040	5182	Wed	781 781 781 1 6128 100 6128 100 37499 72972 51876 ... 89836 43985 90050 000 000	CW	(AB/RL-HOL)
M12	24-1	2330	10461	Wed	142 142 142 1 662 89 662 89 92821 23595 75965 ... 73117 65131 68018 000 000	CW	(RL)
M12	25-1	1400	17418	Tue	439 439 439 000	CW	(AB)
M12	25-1	1420	16318	Tue	439 439 439 000	CW	(AB)
M12	26-1	2000	6782	Fri	781 781 781 1 6128 100 6128 100 37499 72972 51876 ... 89836 43985 90050 000 000	CW	(AB/RL-HOL)
M12	26-1	2020	5882	Fri	781 781 781 1 6128 100 6128 100 37499 72972 51876 ... 89836 43985 90050 000 000	CW	(AB)
M12	26-1	2040	5182	Fri	781 781 781 1 6128 100 6128 100 37499 72972 51876 ... 89836 43985 90050 000 000	CW	(AB/RL-HOL)
M12	26-1	2200	5778	Fri	771 771 771 1 1814 287 1814 287 12472 16917 85140 ... 32164 54395 61279 000 000	CW	(AB/RL-HOL)
M12	26-1	2225	6778	Fri	771 771 771 1 1814 287 1814 287 12472 16917 85140 ... 32164 54395 61279 000 000	CW	(AB)
M12	26-1	2251	8178	Fri	771 771 771 1 1814 287 1814 287 12472 16917 85140 ... 32164 54395 61279 000 000	CW	(AB/RL-HOL)
M12	27-1	1800	11435	Sat	938 938 938 1 3447 79 3447 79 56099 88802 65130 ... 70083 88514 79984 0000 000	CW	(AB)
M12	27-1	1820	10598	Sat	938 938 938 1 3447 79 3447 79 56099 88802 65130 ... 70083 88514 79984 0000 000	CW	(AB)
M12	27-1	1840	9327	Sat	938 938 938 1 3447 79 3447 79 56099 88802 65130 ... 70083 88514 79984 0000 000	CW	(AB)
M12	27-1	2200	5778	Sat	771 771 771 1 1814 287 1814 287 12472 16917 85140 ... 32164 54395 61279 000 000	CW	(AB)
M12	27-1	2225	6778	Sat	771 771 771 1 1814 287 1814 287 12472 16917 85140 ... 32164 54395 61279 000 000	CW	(AB)
M12	27-1	2251	8178	Sat	771 771 771 1 1814 287 1814 287 12472 16917 85140 ... 32164 54395 61279 000 000	CW	(AB)
M12	28-1	0800	16357	Sun	343 343 343 1 4516 94 4516 94 33357 51939 06818 ... 23836 94323 79674 000 000	CW	(AB)
M12	28-1	0820	17457	Sun	343 343 343 1 4516 94 4516 94 33357 51939 06818 ... 23836 94323 79674 000 000	CW	(AB)
M12	28-1	0840	18357	Sun	343 343 343 1 4516 94 4516 94 33357 51939 06818 ... 23836 94323 79674 000 000	CW	(AB)
M12	28-1	2310	11161	Sun	142 142 142 1 332 89 662 89 92821 23595 75965 ... 73117 65131 68018 000 000	CW	(AB)
M12	28-1	2320	10461	Sun	142 142 142 1 332 89 662 89 92821 23595 75965 ... 73117 65131 68018 000 000	CW	(AB)

M12	28-1	2350	9261	Sun	142 142 142 1 332 89 662 89 92821 23595 75965 ... 73117 65131 68018 000 000	CW	(AB)
M12	29-1	1400	17418	Mon	439 439 439 1 564 93 564 93 13949 13561 85504 ... 20298 49036 20281 000 000	CW	(AB)
M12	29-1	1420	16318	Mon	439 439 439 1 564 93 564 93 13949 13561 85504 ... 20298 49036 20281 000 000	CW	(AB)
M12	29-1	1440	14918	Mon	439 439 439 1 564 93 564 93 13949 13561 85504 ... 20298 49036 20281 000 000	CW	(AB)
M12	31-1	0800	16357	Wed	343 343 343 000	CW	(AB)
M12	31-1	0820	17457	Wed	343 343 343 000	CW	(AB)
M12	31-1	2000	6782	Wed	781 781 781 000	CW	(AB)
M12	31-1	2020	5882	Wed	781 781 781 000	CW	(AB)
M14	6-1	1217	11073	Sat	352 769 769 31 31 == 16909 60414 01136 ... 44966 65083 27748 == 769 769 31 31 00000	ICW	(sse)
M14	6-1	1245	9371	Sat	352 769 769 31 31 == 16909 60414 01136 ... 44966 65083 27748 == 769 769 31 31 00000	ICW	(PY)
M14	9-1	0500	12211	Tue	952 843 843 61 61 == 89689 10915 30465 ... 26235 07636 27529 == 843 843 61 61 00000	CW	(Subilo/AB)
M14	9-1	0520	10243	Tue	952 843 843 61 61 == 89689 10915 30465 ... 26235 07636 27529 == 843 843 61 61 00000	CW	(Subilo/AB)
M14	10-1	0500	12211	Wed	952 671 671 52 52 == 58731 88683 95292 ... 29433 86730 84297 == 671 671 52 52 00000	CW	(Subilo/AB)
M14	10-1	0520	10243	Wed	952 671 671 52 52 == 58731 88683 95292 ... 29433 86730 84297 == 671 671 52 52 00000	CW	(Subilo/AB)
M14	10-1	0930	17458	Wed	617 617 617 00000	CW	(AB/HFD)
M14	12-1	0508	12211	Fri	Carrier followed by inver0ed morse	CW	(Subilo/AB)
M14	12-1	0520	10243	Fri	952 on/off, 0ransmi00er problems, some0imes a very weak signal	CW	(Subilo/AB)
M14	13-1	1245	11073	Sat	Two series of fast beeps	CW	(sse)
M14	13-1	1250	11073	Sat	352 418 418 32 32 == 95660 58717 88661 ... 43042 77724 00379 == 418 418 32 32 00000	CW	(sse)
M14	13-1	1320	9371	Sat	352 418 418 32 32 == 95660 58717 88661 ... 43042 77724 00379 == 418 418 32 32 00000	CW	(PY)
M14	15-1	0500	12211	Mon	952 604 604 53 53 == 65744 28939 18396 ... 68474 04241 85324 == 604 604 53 53 00000	CW	(Subilo/AB)
M14	15-1	0520	10243	Mon	952 604 604 53 53 == 65744 28939 18396 ... 68474 04241 85324 == 604 604 53 53 00000	CW	(Subilo/AB)
M14	16-1	0500	12211	Tue	952 837 837 51 51 == 21619 96342 29737 ... 03072 43018 80874 == 837 837 51 51 00000	CW	(Subilo/AB)
M14	16-1	0520	10243	Tue	952 837 837 51 51 == 21619 96342 29737 ... 03072 43018 80874 == 837 837 51 51 00000	CW	(Subilo/AB)
M14	17-1	0500	12211	Wed	952 416 416 55 55 == 31642 96717 59769 ..., 60105 13169 36435 == 416 416 55 55 00000	CW	(Subilo/AB)
M14	17-1	0520	10243	Wed	952 416 416 55 55 == 31642 96717 59769 ..., 60105 13169 36435 == 416 416 55 55 00000	CW	(Subilo/AB)
M14	18-1	0500	12211	Tue	952 307 307 68 68 == 17744 42744 63328 ... 92842 85959 73399 == 307 307 68 68 00000	CW	(Subilo/AB)
M14	18-1	0520	10243	Tue	952 307 307 68 68 == 17744 42744 63328 ... 92842 85959 73399 == 307 307 68 68 00000	CW	(Subilo/AB)
M14	19-1	0500	12211	Fri	952 184 184 65 65 == 39224 22584 16731 ... 60536 64258 25352 == 184 184 65 65 00000	CW	(Subilo/AB)
M14	19-1	0520	10243	Fri	952 184 184 65 65 == 39224 22584 16731 ... 60536 64258 25352 == 184 184 65 65 00000	CW	(Subilo/AB)
M14	20-1	1253	11073	Sat	Two series of fast beeps	CW	(PY)
M14	20-1	1255	11073	Sat	352 679 679 33 33 == 12639 45747 71084 ... 64888 79127 97338 == 679 679 33 33 00000	CW	(PY)
M14	20-1	1321	9371	Sat	Two series of fast beeps	CW	(PY)
M14	20-1	1325	9371	Sat	352 679 679 33 33 == 12639 45747 71084 ... 64888 79127 97338 == 679 679 33 33 00000	CW	(PY)
M14	22-1	0500	12211	Mon	952 670 670 51 51 == 39224 22584 16731 ... 61029 80415 44083 == 670 670 51 51 00000	CW	(Subilo/AB)
M14	22-1	0520	10243	Mon	952 670 670 51 51 == 39224 22584 16731 ... 61029 80415 44083 == 670 670 51 51 00000	CW	(Subilo/AB)
M14	23-1	0500	12211	Tue	952 831 831 64 64 == 47781 93848 08528 ... 71096 15430 76461 == 831 831 64 64 00000	CW	(Subilo/AB)
M14	23-1	0520	10243	Tue	952 (R 4m) Off	CW	(Subilo/AB)
M14	24-1	0500	12211	Wed	12997 87355 45125 == 467 467 63 63 (no closing nulls)	CW	(Subilo/AB)
M14	24-1	0520	10243	Wed	952 467 467 63 63 == 73035 11336 64332 ... Technical problems at the end of the transmission	CW	(Subilo/AB)
M14	25-1	0500	12211	Tue	952 467 467 63 63 == 73035 11336 64332 ... 12997 87355 45125 == 467 467 63 63 00000 Briefly MCW at the beginning then normal CW	CW	(Subilo/AB)

M14	25-1	0520	10243	Tue	952 467 467 63 63 == 73035 11336 64332 ... 12997 87355 45125 == 467 467 63 63 00000	CW	(Subilo/AB)
M14	25-1	0930	17458	Tue	617 617 617 00000	CW	(AB)
M14	26-1	0500	12211	Fri	952 164 164 52 52 == 83125 86466 36912 ... 79809 15964 99577 == 164 164 52 52 00000	CW	(Subilo/AB)
M14	26-1	0520	10243	Fri	952 164 164 52 52 == 83125 86466 36912 ... 79809 15964 99577 == 164 164 52 52 00000	CW	(Subilo/AB)
M14	28-1	1637	10755	Sun	Slow beeps	CW	(PY)
M14	28-1	1642	10755	Sun	Two series of fast beeps	CW	(PY)
M14	28-1	1645	10755	Sun	975 824 824 60 60 == 62178 73697 ... 18219 74732 73035 == 824 824 60 60 00000	CW	(PY)
M14	28-1	1759	11073	Sun	Two series of fast beeps	CW	(PY)
M14	28-1	1810	11073	Sun	352 479 479 60 60 == 01600 ... 56044 == 479 479 60 60 00000	CW	(PY)
M14	29-1	0500	12211	Mon	952 783 783 51 51 == 50754 56112 25754 ... 13038 66347 68261 == 783 783 51 51 00000	CW	(Subilo/AB)
M14	29-1	0520	10243	Mon	952 783 783 51 51 == 50754 56112 25754 ... 13038 66347 68261 == 783 783 51 51 00000	CW	(Subilo/AB)
M14	30-1	0500	12211	Tue	952 104 104 63 63 == 76884 11442 79986 ... 73449 7030 25231 104 104 63 63 000	CW	(Subilo/AB)
M14	30-1	0520	10243	Tue	952 104 104 63 63 == 76884 11442 79986 ... 73449 7030 25231 104 104 63 63 000	CW	(Subilo/AB)
M14	30-1	1210	9463	Tue	i.p. 801 (R) 31673 65682 52720 ... 35137 73325 35242 == 240 247 59 59 00000	CW	(PY)
M14	30-1	1255	10755	Tue	Two series of fast beeps	CW	(PY)
M14	30-1	1305	10755	Tue	975 318 318 60 60 == 47825 30269 57242 ... 51238 71538 35511 == 318 318 60 60 00000	CW	(PY)
M14	31-1	0500	12211	Wed	952 763 763 58 58 == 63855 56104 96505 ... 34298 74611 12568 == 763 763 58 58 00000	CW	(Subilo/AB)
M14	31-1	0520	10243	Wed	952 763 763 58 58 == 63855 56104 96505 ... 34298 74611 12568 == 763 763 58 58 00000	CW	(Subilo/AB)
M14	31-1	1705	11073	Wed	352 981 981 60 60 == 51695 90354 85909 ... 41527 61056 63447 == 981 981 60 60 00000	CW	(AB)
M32a	8-1	1820	8345	Mon	VVV RCV DE RBDF QSA ? QTC K. VVV RIW DE RBDF QSA ? QTC K. RBDF 996 34 8 2005 996 = SML FOR RCV RBDE = 22222 05905 18684 ...	CW	(WN)
M32a	9-1	1754	6461.5	Tue	RCRE RCRE RCRE DE RMP RMP QTC 622 12 9 1051 622 = 84152 15383 47933 ... 76235 23233 99062 09011 AR	CW	(AB)
M32a	9-1	1802	6461.5	Tue	REO REO REO DE RMP RMP QTC 519 11 9 1053 519 = 61815 38255 21094 ... 49062 26521 00317 09010 AR	CW	(AB)
M32a	14-1	1505	12464	Sun	i.p. 3 80327 94346 55381 ... 07910 67456 14038 = AR RBDF K	CW	(AB)
M42	9-1	1000	20813	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	9-1	1010	20815	Tue	Russian diplo	Serdolik v2	(AB/RO)
M42	9-1	1024	20813	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
M42	9-1	1025	20815	Tue	Russian diplo	Serdolik v2	(AB/RO)
M42	10-1	0748	14656	Wed	Russian diplo	Serdolik v2	(AB)
M42	10-1	0917	11152	Wed	Russian diplo. Selcal	Serdolik v2	(AB)
M42	10-1	0918	11154	Wed	Russian diplo	Serdolik v2	(AB)
M42	10-1	1006	17432	Wed	Russian diplo	MFSK-66	(AB)
M42	12-1	0836	12195	Fri	Russian diplo	MFSK-66	(RO)
M42	12-1	0840	10431	Fri	Russian diplo	MFSK-66	(RO)
M42	12-1	0845	15985	Fri	Russian diplo	MFSK-66	(RO)
M42	18-1	1034	15654	Tue	Russian diplo	MFSK-66	(RO)
M42	19-1	0830	14828	Fri	Russian diplo	Serdolik v2	(AB)
M42	21-1	0652	10640	Sun	Russian diplo	MFSK-66	(T101)
M42	22-1	0949	19273	Mon	Russian diplo. Test	Serdolik v2	(AB)
M42	22-1	0953	19273	Mon	Russian diplo	Serdolik v2	(AB/RO)

M42	22-1	0959	19275	Mon	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	22-1	1132	12098	Mon	Russian diplo	Serdolik v2	(T101)
M42	23-1	1027	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	23-1	1045	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	23-1	1234	13942	Tue	Russian diplo	Serdolik v2	(T101)
M42	31-1	0916	11071	Wed	Russian diplo	Serdolik v2	(RO)
M42	31-1	0917	14830	Wed	Russian diplo	Serdolik v2	(RO)
MX	1-1	2204	4539.5	Mon	Beacon D, Sevastopol	CW	(AB)
MX	1-1	2204	5156.8	Mon	Beacon L, St Petersburg	CW	(AB)
MX	1-1	2206	10871.9	Mon	Beacon S, Sevoromorsk	CW	(AB)
MX	5-1	0908	16313.7	Fri	Beacon D, Sevastopol	CW	(AB)
MX	8-1	1036	7508.7	Mon	Beacon D, Sevastopol	CW	(HFD)
MX	8-1	1037	7508.9	Mon	Beacon S, Sevoromorsk	CW	(HFD)
MX	8-1	1038	7509	Mon	Beacon C, Moscow	CW	(HFD)
P03	2-1	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	2-1	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	3-1	0615	17531	Wed	Polish intel.	PSK	(AB)
P03	3-1	0620	17531	Wed	Polish intel.	PSK	(AB)
P03	3-1	1030	9610	Wed	Polish intel.	PSK	(AB)
P03	3-1	1035	9610	Wed	Polish intel.	PSK	(AB)
P03	3-1	1100	11092	Wed	Polish intel.	PSK	(AB)
P03	3-1	1105	11092	Wed	Polish intel.	PSK	(AB)
P03	4-1	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	4-1	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	4-1	0615	7727	Tue	Polish intel.	PSK	(AB)
P03	4-1	0620	7727	Tue	Polish intel.	PSK	(AB)
P03	5-1	0850	15690	Fri	Polish intel.	PSK	(AB)
P03	5-1	0855	15690	Fri	Polish intel.	PSK	(AB)
P03	6-1	1310	7850	Sat	Polish intel.	PSK	(AB/MPJ)
P03	6-1	1315	7850	Sat	Polish intel.	PSK	(AB/MPJ)
P03	7-1	0530	4181	Sun	Polish intel.	PSK	(AB)
P03	7-1	0535	4181	Sun	Polish intel.	PSK	(AB)
P03	7-1	1100	5815	Sun	Polish intel.	PSK	(AB)
P03	7-1	1105	5815	Sun	Polish intel.	PSK	(AB)
P03	7-1	1200	4505	Sun	Polish intel.	PSK	(AB)
P03	7-1	1205	4505	Sun	Polish intel.	PSK	(AB)
P03	7-1	1515	16125	Sun	Polish intel.	PSK	(AB)
P03	7-1	1520	16125	Sun	Polish intel.	PSK	(AB)
P03	7-1	1725	10800	Sun	Polish intel.	PSK	(AB/MPJ)
P03	7-1	1730	10800	Sun	Polish intel.	PSK	(AB/MPJ)
P03	8-1	0615	17531	Mon	Polish intel.	PSK	(AB)
P03	8-1	0620	17531	Mon	Polish intel.	PSK	(AB)

P03	8-1	1030	9610	Mon	Polish intel.	PSK	(AB)
P03	8-1	1035	9610	Mon	Polish intel.	PSK	(AB)
P03	9-1	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	9-1	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	9-1	0615	7727	Tue	Polish intel.	PSK	(AB)
P03	9-1	0620	7727	Tue	Polish intel.	PSK	(AB)
P03	9-1	0635	25060	Tue	Polish intel.	PSK	(AB)
P03	9-1	0640	25060	Tue	Polish intel.	PSK	(AB)
P03	9-1	0810	15690	Tue	Polish intel.	PSK	(AB)
P03	9-1	0815	15690	Tue	Polish intel.	PSK	(AB)
P03	9-1	1100	11092	Tue	Polish intel.	PSK	(AB)
P03	9-1	1105	11092	Tue	Polish intel.	PSK	(AB)
P03	9-1	1725	10800	Tue	Polish intel.	PSK	(AB)
P03	9-1	1730	10800	Tue	Polish intel.	PSK	(AB)
P03	10-1	0615	17531	Wed	Polish intel.	PSK	(AB)
P03	10-1	0620	17531	Wed	Polish intel.	PSK	(AB)
P03	10-1	1030	9610	Wed	Polish intel.	PSK	(AB)
P03	10-1	1035	9610	Wed	Polish intel.	PSK	(AB)
P03	10-1	1100	11092	Wed	Polish intel.	PSK	(AB)
P03	10-1	1105	11092	Wed	Polish intel.	PSK	(AB)
P03	10-1	1310	7850	Wed	Polish intel.	PSK	(AB)
P03	10-1	1315	7850	Wed	Polish intel.	PSK	(AB)
P03	11-1	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	11-1	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	11-1	0615	7727	Tue	Polish intel.	PSK	(AB)
P03	11-1	0620	7727	Tue	Polish intel.	PSK	(AB)
P03	11-1	0635	25060	Tue	Polish intel.	PSK	(AB-POL)
P03	11-1	0640	25060	Tue	Polish intel.	PSK	(AB-POL)
P03	11-1	0720	6940	Tue	Polish intel.	PSK	(AB)
P03	11-1	0725	6940	Tue	Polish intel.	PSK	(AB)
P03	12-1	0530	4181	Fri	Polish intel.	PSK	(AB)
P03	12-1	0535	4181	Fri	Polish intel.	PSK	(AB)
P03	12-1	0850	15690	Fri	Polish intel.	PSK	(AB)
P03	12-1	0855	15690	Fri	Polish intel.	PSK	(AB)
P03	12-1	1100	5815	Fri	Polish intel.	PSK	(AB)
P03	12-1	1105	5815	Fri	Polish intel.	PSK	(AB)
P03	12-1	1515	16125	Fri	Polish intel.	PSK	(AB)
P03	12-1	1520	16125	Fri	Polish intel.	PSK	(AB)
P03	13-1	1310	7850	Sat	Polish intel.	PSK	(AB)
P03	13-1	1315	7850	Sat	Polish intel.	PSK	(AB)
P03	14-1	0530	4181	Sun	Polish intel.	PSK	(AB)
P03	14-1	0535	4181	Sun	Polish intel.	PSK	(AB)

P03	14-1	1100	5815	Sun	Polish intel.	PSK	(AB)
P03	14-1	1105	5815	Sun	Polish intel.	PSK	(AB)
P03	14-1	1200	4505	Sun	Polish intel.	PSK	(AB)
P03	14-1	1205	4505	Sun	Polish intel.	PSK	(AB)
P03	14-1	1220	23353	Sun	Polish intel.	PSK	(AB)
P03	14-1	1225	23353	Sun	Polish intel.	PSK	(AB)
P03	14-1	1515	16125	Sun	Polish intel.	PSK	(AB)
P03	14-1	1520	16125	Sun	Polish intel.	PSK	(AB)
P03	14-1	1725	10800	Sun	Polish intel.	PSK	(AB)
P03	14-1	1730	10800	Sun	Polish intel.	PSK	(AB)
P03	15-1	0615	17531	Mon	Polish intel.	PSK	(AB)
P03	15-1	0620	17531	Mon	Polish intel.	PSK	(AB)
P03	15-1	0950	13825	Mon	Polish intel.	PSK	(AB)
P03	15-1	0955	13825	Mon	Polish intel.	PSK	(AB)
P03	15-1	1030	9610	Mon	Polish intel.	PSK	(AB)
P03	15-1	1035	9610	Mon	Polish intel.	PSK	(AB)
P03	15-1	1220	23353	Mon	Polish intel.	PSK	(AB)
P03	15-1	1225	23353	Mon	Polish intel.	PSK	(AB)
P03	16-1	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	16-1	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	16-1	0615	7727	Tue	Polish intel.	PSK	(AB)
P03	16-1	0620	7727	Tue	Polish intel.	PSK	(AB)
P03	16-1	0635	25060	Tue	Polish intel.	PSK	(AB)
P03	16-1	0640	25060	Tue	Polish intel.	PSK	(AB)
P03	16-1	0810	15690	Tue	Polish intel.	PSK	(AB)
P03	16-1	0815	15690	Tue	Polish intel.	PSK	(AB)
P03	16-1	1100	11092	Tue	Polish intel.	PSK	(AB)
P03	16-1	1105	11092	Tue	Polish intel.	PSK	(AB)
P03	16-1	1725	10800	Tue	Polish intel.	PSK	(AB)
P03	16-1	1730	10800	Tue	Polish intel.	PSK	(AB)
P03	17-1	0615	17531	Wed	Polish intel.	PSK	(AB)
P03	17-1	0620	17531	Wed	Polish intel.	PSK	(AB)
P03	17-1	0950	13825	Wed	Polish intel.	PSK	(AB)
P03	17-1	0955	13825	Wed	Polish intel.	PSK	(AB)
P03	17-1	1030	9610	Wed	Polish intel.	PSK	(AB)
P03	17-1	1035	9610	Wed	Polish intel.	PSK	(AB)
P03	17-1	1100	11092	Wed	Polish intel.	PSK	(AB)
P03	17-1	1105	11092	Wed	Polish intel.	PSK	(AB)
P03	17-1	1310	7850	Wed	Polish intel.	PSK	(AB)
P03	17-1	1315	7850	Wed	Polish intel.	PSK	(AB)
P03	18-1	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	18-1	0435	6252	Tue	Polish intel.	PSK	(AB)

P03	18-1	0615	7727	Tue	Polish intel.	PSK	(AB)
P03	18-1	0620	7727	Tue	Polish intel.	PSK	(AB)
P03	18-1	0635	25060	Tue	Polish intel.	PSK	(AB-POL)
P03	18-1	0640	25060	Tue	Polish intel.	PSK	(AB-POL)
P03	19-1	0530	4181	Fri	Polish intel.	PSK	(AB)
P03	19-1	0535	4181	Fri	Polish intel.	PSK	(AB)
P03	19-1	0850	15690	Fri	Polish intel.	PSK	(AB)
P03	19-1	0855	15690	Fri	Polish intel.	PSK	(AB)
P03	19-1	1100	5815	Fri	Polish intel.	PSK	(AB)
P03	19-1	1105	5815	Fri	Polish intel.	PSK	(AB)
P03	19-1	1515	16125	Fri	Polish intel.	PSK	(AB)
P03	19-1	1520	16125	Fri	Polish intel.	PSK	(AB)
P03	20-1	1200	4505	Sat	Polish intel.	PSK	(AB/MPJ)
P03	20-1	1205	4505	Sat	Polish intel.	PSK	(AB/MPJ)
P03	20-1	1245	5176	Sat	Polish intel.	PSK	(AB)
P03	20-1	1245	5176	Sat	Polish intel.	PSK	(AB)
P03	20-1	1310	7850	Sat	Polish intel.	PSK	(AB/MPJ)
P03	20-1	1315	7850	Sat	Polish intel.	PSK	(AB/MPJ)
P03	21-1	0530	4181	Sun	Polish intel.	PSK	(AB)
P03	21-1	0535	4181	Sun	Polish intel.	PSK	(AB)
P03	21-1	1100	5815	Sun	Polish intel.	PSK	(AB)
P03	21-1	1105	5815	Sun	Polish intel.	PSK	(AB)
P03	21-1	1200	4505	Sun	Polish intel.	PSK	(AB-POL)
P03	21-1	1205	4505	Sun	Polish intel.	PSK	(AB-POL)
P03	21-1	1220	23353	Sun	Polish intel.	PSK	(AB)
P03	21-1	1225	23353	Sun	Polish intel.	PSK	(AB)
P03	21-1	1245	5176	Sun	Polish intel.	PSK	(AB)
P03	21-1	1245	5176	Sun	Polish intel.	PSK	(AB)
P03	21-1	1515	16125	Sun	Polish intel.	PSK	(AB)
P03	21-1	1520	16125	Sun	Polish intel.	PSK	(AB)
P03	21-1	1725	10800	Sun	Polish intel.	PSK	(AB)
P03	21-1	1730	10800	Sun	Polish intel.	PSK	(AB)
P03	22-1	0615	17531	Mon	Polish intel.	PSK	(AB)
P03	22-1	0620	17531	Mon	Polish intel.	PSK	(AB)
P03	22-1	0950	13825	Mon	Polish intel.	PSK	(AB)
P03	22-1	0955	13825	Mon	Polish intel.	PSK	(AB)
P03	22-1	1030	9610	Mon	Polish intel.	PSK	(AB)
P03	22-1	1035	9610	Mon	Polish intel.	PSK	(AB)
P03	22-1	1220	23353	Mon	Polish intel.	PSK	(AB)
P03	22-1	1225	23353	Mon	Polish intel.	PSK	(AB)
P03	23-1	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	23-1	0435	6252	Tue	Polish intel.	PSK	(AB)

P03	23-1	0615	7727	Tue	Polish intel.	PSK	(AB)
P03	23-1	0620	7727	Tue	Polish intel.	PSK	(AB)
P03	23-1	0635	25060	Tue	Polish intel.	PSK	(AB)
P03	23-1	0640	25060	Tue	Polish intel.	PSK	(AB)
P03	23-1	0720	6940	Tue	Polish intel.	PSK	(AB)
P03	23-1	0725	6940	Tue	Polish intel.	PSK	(AB)
P03	23-1	0810	15690	Tue	Polish intel.	PSK	(AB)
P03	23-1	0815	15690	Tue	Polish intel.	PSK	(AB)
P03	23-1	1100	11092	Tue	Polish intel.	PSK	(AB)
P03	23-1	1105	11092	Tue	Polish intel.	PSK	(AB)
P03	23-1	1725	10800	Tue	Polish intel.	PSK	(AB)
P03	23-1	1730	10800	Tue	Polish intel.	PSK	(AB)
P03	24-1	0615	17531	Wed	Polish intel.	PSK	(AB)
P03	24-1	0620	17531	Wed	Polish intel.	PSK	(AB)
P03	24-1	0950	13825	Wed	Polish intel.	PSK	(AB)
P03	24-1	0955	13825	Wed	Polish intel.	PSK	(AB)
P03	24-1	1030	9610	Wed	Polish intel.	PSK	(AB)
P03	24-1	1035	9610	Wed	Polish intel.	PSK	(AB)
P03	24-1	1100	11092	Wed	Polish intel.	PSK	(AB)
P03	24-1	1105	11092	Wed	Polish intel.	PSK	(AB)
P03	24-1	1310	7850	Wed	Polish intel.	PSK	(AB)
P03	24-1	1315	7850	Wed	Polish intel.	PSK	(AB)
P03	25-1	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	25-1	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	25-1	0615	7727	Tue	Polish intel.	PSK	(AB)
P03	25-1	0620	7727	Tue	Polish intel.	PSK	(AB)
P03	25-1	0635	25060	Tue	Polish intel.	PSK	(AB-POL)
P03	25-1	0640	25060	Tue	Polish intel.	PSK	(AB-POL)
P03	26-1	0530	4181	Fri	Polish intel.	PSK	(AB)
P03	26-1	0535	4181	Fri	Polish intel.	PSK	(AB)
P03	26-1	0850	15690	Fri	Polish intel.	PSK	(AB)
P03	26-1	0855	15690	Fri	Polish intel.	PSK	(AB)
P03	26-1	1100	5815	Fri	Polish intel.	PSK	(AB)
P03	26-1	1105	5815	Fri	Polish intel.	PSK	(AB)
P03	26-1	1515	16125	Fri	Polish intel.	PSK	(AB/MPJ)
P03	26-1	1520	16125	Fri	Polish intel.	PSK	(AB/MPJ)
P03	27-1	1200	4505	Sat	Polish intel.	PSK	(AB-POL)
P03	27-1	1205	4505	Sat	Polish intel.	PSK	(AB-POL)
P03	27-1	1245	5176	Sat	Polish intel.	PSK	(AB)
P03	27-1	1245	5176	Sat	Polish intel.	PSK	(AB)
P03	27-1	1310	7850	Sat	Polish intel.	PSK	(AB)
P03	27-1	1315	7850	Sat	Polish intel.	PSK	(AB)

P03	28-1	0530	4181	Sun	Polish intel.	PSK	(AB)
P03	28-1	0535	4181	Sun	Polish intel.	PSK	(AB)
P03	28-1	1100	5815	Sun	Polish intel.	PSK	(AB)
P03	28-1	1105	5815	Sun	Polish intel.	PSK	(AB)
P03	28-1	1200	4505	Sun	Polish intel.	PSK	(AB-POL)
P03	28-1	1205	4505	Sun	Polish intel.	PSK	(AB-POL)
P03	28-1	1220	23353	Sun	Polish intel.	PSK	(AB/MPJ)
P03	28-1	1225	23353	Sun	Polish intel.	PSK	(AB/MPJ)
P03	28-1	1245	5176	Sun	Polish intel.	PSK	(AB/MPJ)
P03	28-1	1245	5176	Sun	Polish intel.	PSK	(AB/MPJ)
P03	28-1	1515	16125	Sun	Polish intel.	PSK	(AB)
P03	28-1	1520	16125	Sun	Polish intel.	PSK	(AB)
P03	28-1	1725	10800	Sun	Polish intel.	PSK	(AB/MPJ)
P03	28-1	1730	10800	Sun	Polish intel.	PSK	(AB/MPJ)
P03	29-1	0615	17531	Mon	Polish intel.	PSK	(AB-POL)
P03	29-1	0620	17531	Mon	Polish intel.	PSK	(AB-POL)
P03	29-1	0950	13825	Mon	Polish intel.	PSK	(AB)
P03	29-1	0955	13825	Mon	Polish intel.	PSK	(AB)
P03	29-1	1030	9610	Mon	Polish intel.	PSK	(AB)
P03	29-1	1035	9610	Mon	Polish intel.	PSK	(AB)
P03	30-1	0430	6252	Tue	Polish intel.	PSK	(AB)
P03	30-1	0435	6252	Tue	Polish intel.	PSK	(AB)
P03	30-1	0615	7727	Tue	Polish intel.	PSK	(AB)
P03	30-1	0620	7727	Tue	Polish intel.	PSK	(AB)
P03	30-1	0635	25060	Tue	Polish intel.	PSK	(AB)
P03	30-1	0640	25060	Tue	Polish intel.	PSK	(AB)
P03	30-1	0720	6940	Tue	Polish intel.	PSK	(AB)
P03	30-1	0725	6940	Tue	Polish intel.	PSK	(AB)
P03	30-1	0810	15690	Tue	Polish intel.	PSK	(AB)
P03	30-1	0815	15690	Tue	Polish intel.	PSK	(AB)
P03	30-1	1100	11092	Tue	Polish intel.	PSK	(AB)
P03	30-1	1105	11092	Tue	Polish intel.	PSK	(AB)
P03	30-1	1725	10800	Tue	Polish intel.	PSK	(AB)
P03	30-1	1730	10800	Tue	Polish intel.	PSK	(AB)
P03	31-1	0615	17531	Wed	Polish intel.	PSK	(AB)
P03	31-1	0620	17531	Wed	Polish intel.	PSK	(AB)
P03	31-1	0950	13825	Wed	Polish intel.	PSK	(AB)
P03	31-1	0955	13825	Wed	Polish intel.	PSK	(AB)
P03	31-1	1030	9610	Wed	Polish intel.	PSK	(AB)
P03	31-1	1035	9610	Wed	Polish intel.	PSK	(AB)
P03	31-1	1100	11092	Wed	Polish intel.	PSK	(AB)
P03	31-1	1105	11092	Wed	Polish intel.	PSK	(AB)

P03	31-1	1310	7850	Wed	Polish intel.	PSK	(AB)
P03	31-1	1315	7850	Wed	Polish intel.	PSK	(AB)
P03g	3-1	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-1	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-1	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-1	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-1	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-1	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-1	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-1	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	17-1	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	17-1	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-1	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-1	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-1	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-1	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	26-1	1315	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	26-1	1320	13046	Fri	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	31-1	1315	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	31-1	1320	13046	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03i	2-1	0725	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	2-1	0730	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	2-1	0800	14656	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	2-1	0805	14656	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	2-1	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	2-1	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	3-1	0800	14656	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	3-1	0805	14656	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	4-1	0725	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	4-1	0730	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	4-1	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB/MPJ)
P03i	4-1	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB/MPJ)
P03i	9-1	0725	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	9-1	0730	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	9-1	0800	14656	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	9-1	0805	14656	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	9-1	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	9-1	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	10-1	0800	14656	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	10-1	0805	14656	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	11-1	0725	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	11-1	0730	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)

P03i	11-1	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	11-1	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	16-1	0725	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	16-1	0730	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	16-1	0800	14656	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	16-1	0805	14656	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	16-1	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	16-1	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	17-1	0800	14656	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	17-1	0805	14656	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	18-1	0725	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	18-1	0730	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	18-1	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	18-1	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	23-1	0725	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	23-1	0730	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	23-1	0800	14656	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	23-1	0805	14656	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	23-1	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	23-1	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	24-1	0800	14656	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	24-1	0805	14656	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	25-1	0725	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	25-1	0730	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	25-1	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB/MPJ)
P03i	25-1	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB/MPJ)
P03i	30-1	0725	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	30-1	0730	9052	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	30-1	0800	14656	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	30-1	0805	14656	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	30-1	1800	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB/MPJ)
P03i	30-1	1805	6480	Tue	Polish intel.	BPSK 100Bd/512bp	(AB/MPJ)
P03i	31-1	0800	14656	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	31-1	0805	14656	Wed	Polish intel.	BPSK 100Bd/512bp	(AB)
P03j	1-1	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	1-1	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	4-1	1830	6906	Tue	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	4-1	1835	6906	Tue	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	8-1	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	8-1	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	11-1	1830	6906	Tue	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	11-1	1835	6906	Tue	Polish intel.	QPSK 100Bd/504bp	(AB)

P03j	15-1	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	15-1	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	18-1	1830	6906	Tue	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	18-1	1835	6906	Tue	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	22-1	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	22-1	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	25-1	1830	6906	Tue	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	25-1	1835	6906	Tue	Polish intel.	QPSK 100Bd/504bp	(AB/MPJ)
P03j	29-1	1830	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	29-1	1835	6906	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	6-1	1800	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	6-1	1805	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	9-1	1230	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-1	1235	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-1	1800	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-1	1805	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-1	1800	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-1	1805	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-1	0640	6940	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-1	0645	6940	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-1	1230	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-1	1235	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-1	1800	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-1	1805	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-1	1230	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	20-1	1235	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	20-1	1800	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-1	1805	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-1	0640	6940	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-1	0645	6940	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-1	1230	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-1	1235	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-1	1800	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-1	1805	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-1	0640	6940	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-1	0645	6940	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-1	1230	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	27-1	1235	18030	Sat	Polish intel.	BPSK 100Bd/480bp	(MPJ)
P03k	27-1	1800	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-1	1805	5831	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-1	0640	6940	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-1	0645	6940	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	30-1	1230	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	30-1	1235	18030	Tue	Polish intel.	BPSK 100Bd/480bp	(AB/MPJ)
P03k	31-1	1800	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-1	1805	5831	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03I	4-1	1200	8102	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-1	1205	8102	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5-1	1345	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5-1	1350	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-1	1200	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-1	1205	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-1	1200	8102	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-1	1205	8102	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-1	1345	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-1	1350	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-1	1200	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-1	1205	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-1	1345	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-1	1350	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-1	1200	8102	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-1	1205	8102	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-1	1345	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-1	1350	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-1	1200	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-1	1205	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-1	1345	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-1	1350	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-1	1200	8102	Tue	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	25-1	1205	8102	Tue	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	26-1	1345	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-1	1350	11420	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-1	1200	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-1	1205	8102	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-1	1345	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-1	1350	11420	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	3-1	1500	7584	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-1	1510	6926	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-1	1520	5814	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-1	1530	5471	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-1	1540	5094	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-1	1550	4639	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-1	1500	7584	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ-HOL)
P07	7-1	1510	6926	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ-HOL)

P07	31-1	1520	5814	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	31-1	1530	5471	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	31-1	1540	5094	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	31-1	1550	4639	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	11-1	0951	16316	Tue	NR57433 CK092 51 0111 1734 1213 0030 5040 ... 7677 0617 2072 ZNN SK	4+4 QPSK 75/3000 LSB	(EW)
S06	3-1	0930	9463	Wed	480 927 41 90109 52964 28418 ... 81753 84324 13272 927 41 00000	USB	(Lac)
S06	3-1	1030	9073	Wed	480 927 41 90109 52964 28418 ... 81753 84324 13272 927 41 00000	USB	(Lac)
S06	5-1	2000	7923	Fri	842 842 842 00000	USB	(AB/sse/HFD)
S06	5-1	2100	5943	Fri	842 842 842 00000 WinXP shutdown sound after transmission	USB	(sse/HFD)
S06	6-1	1600	7377	Sat	480 516 43 80967 45241 28079 ... 47253 45282 95052 516 43 00000	USB	(AB-RUS/HFD/Lac)
S06	6-1	1630	5410	Sat	480 516 43 80967 45241 28079 ... 47253 45282 95052 516 43 00000	USB	(AB/HFD/Lac)
S06	7-1	0730	9946	Sun	480 516 43 80967 45241 28079 ... 47253 45282 95052 516 43 00000	USB	(AB/HFD/Lac)
S06	7-1	0800	8095	Sun	480 516 43 80967 45241 28079 ... 47253 45282 95052 516 43 00000	USB	(AB-POL/HFD/Lac)
S06	9-1	0400	11616	Tue	480 973 56 85869 10211 31054 ... 81590 01580 70791 973 56 00000	USB	(Subilo)
S06	9-1	0420	9322	Tue	480 973 56 85869 10211 31054 ... 81590 01580 70791 973 56 00000	USB	(Subilo)
S06	10-1	0400	11616	Wed	480 162 53 78514 75649 65926 ... 48936 71303 09904 152 53 00000	USB	(Subilo)
S06	10-1	0420	9322	Wed	480 162 53 78514 75649 65926 ... 48936 71303 09904 152 53 00000	USB	(Subilo)
S06	10-1	0930	9463	Wed	480 739 45 14197 76916 18398 ... 40537 73926 02814 739 45 00000	USB	(AB/Lac)
S06	10-1	1030	9073	Wed	480 739 45 14197 76916 18398 ... 40537 73926 02814 739 45 00000	USB	(Lac)
S06	11-1	0400	11616	Tue	480 795 60 90952 76721 48679 ... 58743 25663 62280 795 60 00000	USB	(Subilo)
S06	11-1	0420	9322	Tue	480 795 60 90952 76721 48679 ... 58743 25663 62280 795 60 00000	USB	(Subilo)
S06	12-1	0400	11616	Fri	480 236 53 00626 96166 56996 ... 14166 08978 97709 236 49 00000	USB	(Subilo)
S06	12-1	0420	9322	Fri	480 236 53 00626 96166 56996 ... 14166 08978 97709 236 49 00000	USB	(Subilo)
S06	15-1	0400	11616	Mon	480 157 49 12780 59552 24794 ... 84645 40881 12256 157 49 00000	USB	(Subilo)
S06	15-1	0420	9322	Mon	No transmission	USB	(Subilo)
S06	16-1	0400	11616	Tue	480 329 56 70309 68241 56276 ... 32570 07307 94814 329 56 00000	USB	(Subilo)
S06	16-1	0420	9322	Tue	480 329 56 70309 68241 56276 ... 32570 07307 94814 329 56 00000	USB	(Subilo)
S06	17-1	0400	11616	Wed	480 561 52 45292 79778 31775 ... 49209 99192 95223 561 52 00000	USB	(Subilo)
S06	17-1	0420	9322	Wed	480 561 52 45292 79778 31775 ... 49209 99192 95223 561 52 00000	USB	(Subilo)
S06	17-1	0930	9463	Wed	480 357 42 49802 96414 08142 ... 20507 31069 92760 357 42 00000	USB	(AB/Lac)
S06	17-1	1030	9073	Wed	480 357 42 49802 96414 08142 ... 20507 31069 92760 357 42 00000	USB	(AB-FIN/Lac)
S06	18-1	0400	11616	Tue	480 792 63 18296 05960 70242 ... 90826 43374 50350 792 63 00000	USB	(Subilo)
S06	18-1	0420	9322	Tue	480 792 63 18296 05960 70242 ... 90826 43374 50350 792 63 00000	USB	(Subilo)
S06	19-1	0400	11616	Fri	480 365 70 00408 01763 15365 ... 17402 06288 29778 365 70 00000	USB	(Subilo)
S06	19-1	0420	9322	Fri	480 365 70 00408 01763 15365 ... 17402 06288 29778 365 70 00000	USB	(Subilo)
S06	19-1	2000	7923	Fri	842 842 842 00000	USB	(AB/Lac)
S06	19-1	2100	5943	Fri	842 842 842 00000	USB	(AB/Lac)
S06	20-1	1600	7377	Sat	480 169 42 54106 51624 28929 ... 83218 02128 59738 169 42 00000	USB	(AB-D/MPJ)
S06	20-1	1630	5410	Sat	480 169 42 54106 51624 28929 ... 83218 02128 59738 169 42 00000	USB	(AB)
S06	21-1	0730	9946	Sun	480 169 42 54106 51624 28929 ... 83218 02128 59738 169 42 00000	USB	(AB)
S06	21-1	0800	8095	Sun	480 169 42 54106 51624 28929 ... 83218 02128 59738 169 42 00000	USB	(AB-POL)
S06	22-1	0400	11616	Mon	480 179 52 00408 01763 15365 ... 51449 71553 35002 179 52 00000	USB	(Subilo)

S06	22-1	0420	9322	Mon	480 179 52 00408 01763 15365 ... 51449 71553 35002 179 52 00000	USB	(Subilo)
S06	23-1	0400	11616	Tue	480 235 61 86995 66461 81269 ... 44879 68878 70029 235 61 00000	USB	(Subilo)
S06	23-1	0420	9322	Tue	480 235 61 86995 66461 81269 ... 44879 68878 70029 235 61 00000	USB	(Subilo)
S06	24-1	0400	11616	Wed	480 961 60 10463 84905 85551 ... 47481 08935 19446 961 60 00000	USB	(Subilo)
S06	24-1	0420	9322	Wed	480 961 60 10463 84905 85551 ... 47481 08935 19446 961 60 00000	USB	(Subilo)
S06	24-1	0930	9463	Wed	480 235 47 68082 23598 39650 ... 04090 61580 39584 235 47 00000	USB	(AB-POL/Lac)
S06	24-1	1030	9073	Wed	480 235 47 68082 23598 39650 ... 04090 61580 39584 235 47 00000	USB	(AB-FIN/Lac)
S06	25-1	0400	11616	Tue	480 961 60 10463 84905 85551 ... 47481 08935 19446 961 60 00000	USB	(Subilo)
S06	25-1	0420	9322	Tue	480 961 60 10463 84905 85551 ... 47481 08935 19446 961 60 00000	USB	(Subilo)
S06	26-1	0400	11616	Fri	480 569 71 01928 48850 87406 ... 37911 37208 23248 569 71 00000	USB	(Subilo)
S06	26-1	0420	9322	Fri	480 569 71 01928 48850 87406 ... 37911 37208 23248 569 71 00000	USB	(Subilo)
S06	28-1	0730	9946	Sun	480 679 41 57108 16240 10258 ... 62403 87380 79579 679 41 00000	USB	(AB)
S06	28-1	0800	8095	Sun	480 679 41 57108 16240 10258 ... 62403 87380 79579 679 41 00000	USB	(AB-POL)
S06	29-1	0400	11616	Mon	480 172 53 09029 76514 60882 ... 74358 68190 56853 172 53 00000	USB	(Subilo)
S06	29-1	0420	9322	Mon	480 172 53 09029 76514 60882 ... 74358 68190 56853 172 53 00000	USB	(Subilo)
S06	30-1	0400	11616	Tue	480 395 67 66368 61909 50518 ... 39793 42316 67386 395 67 00000	USB	(Subilo)
S06	30-1	0420	9322	Tue	480 395 67 66368 61909 50518 ... 39793 42316 67386 395 67 00000	USB	(Subilo)
S06	31-1	0400	11616	Wed	480 617 52 13856 67924 48903 ... 25731 39067 12380 617 52 00000	USB	(Subilo)
S06	31-1	0420	9322	Wed	480 617 52 13856 67924 48903 ... 25731 39067 12380 617 52 00000	USB	(Subilo)
S06	31-1	0835	9463	Wed	801 942 56 69237 38069 44530 ... 04009 94365 71925 942 56 00000	USB	(PY)
S06	31-1	0930	9463	Wed	480 315 42 62421 67505 93545 ... 72102 58635 74583 315 42 00000	USB	(AB/Lac)
S06	31-1	1030	9073	Wed	480 315 42 62421 67505 93545 ... 72102 58635 74583 315 42 00000	USB	(AB-FIN/Lac)
S06	31-1	1210	11073	Wed	352 784 60 83156 97144 81550 ... 84777 54250 51949 784 60 00000	USB	(AB)
S06	31-1	1410	9463	Wed	801 469 52 07451 35699 77789 ... 61167 70471 22296 469 52 00000	USB	(PY)
S06	31-1	1740	10755	Wed	975 421 60 96305 51426 05337 ... 60061 99072 23560 421 60 00000	USB	(AB)
S11a	1-1	0700	9050	Mon	470/35 Vnmaniye 94249 81984 23831 ... 82341 83644 21541 Vnmaniye (msg rptd) Konets	USB	(AB/Subilo)
S11a	1-1	0915	6252	Mon	484/00 Konets	USB	(AB/Lac)
S11a	2-1	1400	10448	Tue	425/00 Konets	USB	(AB/Lac)
S11a	3-1	0725	23486	Wed	381/00 Konets	USB	(AB-POL)
S11a	3-1	0725	23486	Wed	381/00 Konets	USB	(Lac)
S11a	3-1	1850	11486	Wed	282/35 Vnmaniye 37493 07343 26466 ... 06069 81021 05934 Vnmaniye (msg rptd) Konets	USB	(Subilo)
S11a	4-1	0700	9050	Tue	470/35 Vnmaniye 94249 81984 23831 ... 82341 83644 21541 Vnmaniye (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	5-1	0725	23486	Fri	387/00 Konets	USB	(AB/Lac)
S11a	5-1	0915	6252	Fri	486/00 Konets	USB	(AB/Lac)
S11a	5-1	1400	10448	Fri	420/00 Konets	USB	(AB/Lac)
S11a	6-1	0830	5371	Sat	376/34 Vnmaniye 76328 59429 78121 ... 66364 56595 64942 Vnmaniye (msg rptd) Konets	USB	(AB/Subilo)
S11a	6-1	1850	11486	Sat	282/35 Vnmaniye 37493 07343 26466 ... 06069 81021 05934 Vnmaniye (msg rptd) Konets	USB	(AB-POL/Subilo)
S11a	7-1	0830	5371	Sun	376/34 Vnmaniye 76328 59429 78121 ... 66364 56595 64942 Vnmaniye (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	8-1	0700	9050	Mon	470/00 Konets	USB	(AB/Lac)
S11a	8-1	0915	6252	Mon	485/00 Konets	USB	(AB/Lac)
S11a	9-1	0445	11559	Tue	798/00 Konets	USB	(TM)
S11a	9-1	1400	10448	Tue	425/36 Vnmaniye 30421 11155 54625 ... 00555 16550 90729 Vnmaniye (msg rptd) Konets	USB	(AB/Lac/subilo)

S11a	10-1	0725	23486	Wed	384/36 78462 80131 89980 ... 71433 13862 04007 Vnimanaye (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	10-1	1850	11486	Wed	282/00 Konets	USB	(AB-POL/Lac)
S11a	11-1	0700	9050	Tue	478/00 Konets	USB	(AB/Lac)
S11a	12-1	0725	23486	Fri	384/36 78462 80131 89980 ... 71433 13862 04007 Vnimanaye (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	12-1	0915	6252	Fri	485/00 Konets	USB	(AB/Lac)
S11a	12-1	1400	10448	Fri	425/36 Vnimanaye 30421 11155 54625 ... 00555 16550 90729 Vnimanaye (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	13-1	0830	5371	Sat	377/00 Konets	USB	(AB/Lac)
S11a	13-1	1850	11486	Sat	284/00 Konets	USB	(AB-POL)
S11a	14-1	0830	5371	Sun	373/00 Konets	USB	(AB)
S11a	15-1	0510	21906	Mon	650/32 Vnimanaye 06160 60944 12702 ... 71301 99696 64302 Vnimanaye (msg rptd) Konets	USB	(Subilo)
S11a	15-1	0700	9050	Mon	470/00 Konets	USB	(AB/Lac)
S11a	15-1	0915	6252	Mon	484/33 Vnimanaye 59896 84304 05330 ... 32222 76518 80099 Vnimanaye (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	16-1	1400	10448	Tue	421/00 Konets	USB	(AB/Lac)
S11a	17-1	0510	21906	Wed	650/32 Vnimanaye 06160 60944 12702 ... 71301 99696 64302 Vnimanaye (msg rptd) Konets	USB	(Subilo)
S11a	17-1	0725	23486	Wed	385/00	USB	(AB/Lac)
S11a	17-1	1850	11486	Wed	284/00 Konets	USB	(AB-POL)
S11a	18-1	0700	9050	Tue	472/00 Konets	USB	(AB/Lac)
S11a	19-1	0725	23486	Fri	382/00 Konets	USB	(AB/Lac)
S11a	19-1	0915	6252	Fri	484/33 Vnimanaye 59896 84304 05330 ... 32222 76518 80099 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo)
S11a	19-1	1400	10448	Fri	422/00 Konets	USB	(AB)
S11a	20-1	0830	5371	Sat	371/00 Konets	USB	(AB/Lac)
S11a	20-1	1850	11486	Sat	287/00 Konets	USB	(AB-POL)
S11a	21-1	0830	5371	Sun	376/00 Konets	USB	(AB)
S11a	22-1	0700	9050	Mon	476/00 Konets	USB	(AB/Lac)
S11a	22-1	0915	6252	Mon	481/00 Konets	USB	(AB)
S11a	23-1	0445	11559	Tue	790/37 Vnimanaye 76520 03791 68203 ... 67159 12677 63310 Vnimanaye (msg rptd) Konets	USB	(Subilo)
S11a	23-1	1400	10448	Tue	427/00 Konets	USB	(AB)
S11a	24-1	0510	21906	Wed	654/00 Konets	USB	(Lac)
S11a	24-1	0725	23486	Wed	389/00 Konets	USB	(AB)
S11a	24-1	1850	11486	Wed	281/00 Konets	USB	(AB-POL)
S11a	25-1	0445	11559	Tue	790/37 Vnimanaye 76520 03791 68203 ... 67159 12677 63310 Vnimanaye (msg rptd) Konets	USB	(Subilo)
S11a	25-1	0700	9050	Tue	479/00 Konets	USB	(AB)
S11a	26-1	0725	23486	Fri	385/00 Konets	USB	(AB/Lac)
S11a	26-1	0915	6252	Fri	480/00 Konets	USB	(AB)
S11a	26-1	1400	10448	Fri	422/00 Konets	USB	(AB)
S11a	27-1	0830	5371	Sat	378/00 Konets	USB	(AB)
S11a	27-1	1850	11486	Sat	287/00 Konets	USB	(AB-POL)
S11a	28-1	0830	5371	Sun	379/00 Konets	USB	(AB)
S11a	29-1	0700	9050	Mon	472/00 Konets	USB	(AB)
S11a	29-1	0915	6252	Mon	481/00 Konets	USB	(AB)
S11a	30-1	1400	10448	Tue	426/00 Konets	USB	(AB/MPJ/Lac)
S11a	31-1	0510	21906	Wed	652/00 Konets	USB	(Anon)

S11a	31-1	0725	23486	Wed	387/00 Konets	USB	(AB-POL)
S11a	31-1	1850	11486	Wed	287/00 Konets	USB	(AB-POL)
UM04	1-1	0800	4735	Mon	VVVVV PROMRCh = 0101 = 1000 0980 1030 1220 1750 ... 0800 0620 0660 0800 1180 = AR	CW	(AB-HNG)
UM04	2-1	0801	4735	Tue	VVV VVV PROMRCh = 02 01 = 1000 0950 1000 1190 1720 ... 0800 0620 0660 0800 1180 = AR	CW	(AB-HNG)
UM04	3-1	0800	4735	Wed	VVVVV PROMRCh = 03 01 = 1000 0950 1000 1190 1720 ... 0800 0620 0660 0790 1170 = AR	CW	(AB-HNG)
UM04	4-1	0800	4735	Tue	VVVVV PROMRCh = 04 01 = 1000 0940 0990 1170 1710 ... 0800 0610 0650 0790 1170 = AR	CW	(AB-ROU)
UM04	5-1	0800	4735	Fri	VVVVV PROMRCh = 05 01 = 1000 0910 0970 1160 1700 ... 0800 0610 0650 0780 1160 = AR	CW	(AB-HNG)
UM04	6-1	0800	4735	Sat	VVV VVV PROMRCh = 06 01 = 1000 0940 0990 1170 1710 ... 0800 0610 0650 0780 1160 = AR	CW	(Subilo/AB)
UM04	7-1	0800	4735	Sun	VVV VVV PROMRCh = 07 01 = 1000 0930 0980 1170 1710 ... 0800 0600 0640 0780 1150 = AR	CW	(Subilo/AB)
UM04	8-1	0800	4735	Mon	VVVVV PROMRCh = 0801 = 1000 0920 0970 1200 1710 ... 0800 0600 0640 0780 1140 = AR	CW	(AB-HNG)
UM04	9-1	0811	4735	Tue	VVV VVV PROMRCh = 0901 = 1000 0930 0970 1150 1680 ... 0800 0600 0540 0770 1140 = AR	CW	(AB-HNG)
UM04	10-1	0800	4735	Wed	VVV VVV PROMRCh = 10 01 = 1000 0910 0970 1150 1670 ... 0800 0590 0630 0760 1130 = AR	CW	(AB-HNG)
UM04	11-1	0800	4735	Tue	VVV VVV PROMRCh = 11 01 = 1000 0920 0970 1160 1680 ... 0800 0590 0630 0760 1130 = AR	CW	(AB-ROU)
UM04	12-1	0800	4735	Fri	VVVVV PROMRCh = 12 01 = 1000 0920 0980 1160 1690 ... 0800 0590 0630 0760 1130 = AR	CW	(AB-HNG)
UM04	13-1	0800	4735	Sat	VVVVV PROMRCh = 13 01 = 1000 0930 0980 1170 1700 ... 0800 0590 0630 0760 1130 = AR	CW	(Subilo/AB)
UM04	14-1	0800	4735	Sun	VVVVV PROMRCh = 1401 = 1000 0930 0980 1170 1700 ... 0800 0590 0630 0760 1130 = AR	CW	(AB-HNG)
UM04	15-1	0800	4735	Mon	VVVVV PROMRCh = 15 01 = 1000 0940 1000 1180 1720 ... 0800 0590 0630 0760 1120 = AR	CW	(AB-GRC)
UM04	16-1	0800	4735	Tue	VVVVV PROMRCh = 16 01 = 1000 0950 1000 1190 1530 ... 0800 0590 0630 0760 1120 = AR	CW	(AB-GRC)
UM04	17-1	0800	4735	Wed	VVVVV PROMRCh = 17 01 = 1000 0960 1010 1200 1740 ... 0800 0590 0630 0760 1120 = AR	CW	(AB-HNG)
UM04	18-1	0800	4735	Tue	VVV VVV PROMRCh = 18 01 = 1000 0970 1030 1210 1760 ... 0800 0590 0630 0760 1120 = AR	CW	(AB-ROU)
UM04	19-1	0800	4735	Fri	VVV VVV PROMRCh = 19 01 = 1000 0980 1040 1230 1780 ... 0800 0590 0630 0760 1120 = AR	CW	(Subilo/AB)
UM04	20-1	0800	4735	Sat	VVVVV PROMRCh = 20 01 = 1000 0990 1040 1230 1790 ... 0800 0590 0630 0760 1120 = AR	CW	(Subilo/AB)
UM04	21-1	0801	4735	Sun	VVVVV PROMRCh = 2101 = 1000 1010 1060 1250 1810 ... 0800 0600 0640 0770 1130 = AR	CW	(AB-HNG)
UM04	22-1	0759	4735	Mon	VVVVV PROMRCh = 22 01 = 1000 1020 1080 1270 1830 ... 0800 0600 0640 0770 1130 = AR	CW	(AB-GRC)
UM04	23-1	0800	4735	Tue	VVV VVV PROMRCh = 23 01 = 1000 0030 1090 1280 1850 ... 0800 0600 0640 0780 1180 = AR	CW	(Subilo/AB)
UM04	24-1	0800	4735	Wed	VVV VVV PROMRCh = 24 01 = 1000 1050 1100 1300 1860 ... 0800 0610 0650 0780 1150 = AR	CW	(AB-HNG)
UM04	25-1	0800	4735	Tue	VVVVV PROMRCh = 2501 = 1000 1060 1110 1310 1890 ... 0800 0610 0650 0790 1150 = AR	CW	(AB-ROU)
UM04	26-1	0800	4735	Fri	VVVVV PROMRCh = 2 6 0 1 = 1000 1070 1120 1320 1890 ... 0800 0620 0660 0790 1160 = AR	CW	(AB-HNG)
UM04	27-1	0800	4735	Sat	VVV VVV PROMRCh = 27 01 = 1000 1070 1120 1320 1900 ... 0800 0620 0660 0800 1160 = AR	CW	(Subilo/AB)
UM04	28-1	0800	4735	Sun	VVV VVV PROMRCh = 28 01 = 1000 1070 1120 1320 1900 ... 0800 0670 0800 1170 = AR	CW	(AB-HNG)
UM04	29-1	0759	4735	Mon	VVVVV PROMRCh = 2901 = 1000 1080 1130 1330 1910 ... 0800 0630 0670 0800 1180 = AR	CW	(AB-ROU)
UM04	30-1	0804	4735	Tue	VVVVV PROMRCh = 30 01 = 1000 1070 1130 1330 1910 ... 0800 0630 0670 0800 1180 = AR. The 2200 line was not sent	CW	(AB-HNG)
UM04	31-1	0800	4735	Wed	VVV VVV PROMRCh = 31 01 = 1000 1070 1130 1330 1900 ... 0800 0630 0670 0800 1180 = AR	CW	(Subilo/AB)
UM05	1-1	0803	5345.8	Mon	Oiseau Pomme Earth Sea Cat Star (R), Apple Pluie Neige Vent Pluie Chaise (R), Fleur Souse Montagne Mountain Rain Flower (R)	CW	(AB-F)
UM05	2-1	0750	5345.8	Tue	Cat Tree Cloud Chat Arbre Nuage (R), Mer Sea Dog Feu Tree Sea (R), Fire Cloud Wind Air Air Eau (R), etc.	CW	(AB-F)
UM05	3-1	0704	5345.8	Wed	i.p. Mer Sea Dog Feu Tree Sea (R), Air Oiseau Toile Car Book Voiture (R), Chause Forest Fish Flower Sky Lune (R), etc.	CW	(AB-F)
UM05	4-1	0715	5345.8	Tue	i.p. Chien Chaise Poisson Eau Arbre Vent (R), Sable Feu Table Air Pluie (R)	CW	(AB-F)
UM05	5-1	0835	5345.8	Fri	Cat Tree Cloud Chat Arbre Nuage (R), Neige Book River Book Foret Sable (R), Air Oiseau Toile Car	CW	(AB-F)

					Book Voiture (R), etc.		
UM05	6-1	0548	5345.8	Sat	Pomme Forest Nuage Dog Ice Lune (R), Fire Cloud Wind Air Air Eau (R), Table Wind Foret Fleur Sable Fire (R), etc.	CW	(AB)
UM05	7-1	0710	5345.8	Sun	Oiseau Pomme Earth Sea Cat Star (R), Table Wind Foret Flower Sable Fire (R), etc.	CW	(AB-F)
UM05	8-1	0806	5345.8	Mon	Forest Nuage Dog Ice Pomme (R), Fleur House Montagne Mountain Rain (R), etc.	CW	(AB-F)
UM05	9-1	0740	5345.8	Tue	Eau Eau Wind Oiseau Table Soleil (R), Oiseau Pomme Earth Cat Star (R), etc.	CW	(AB-F)
UM05	10-1	0601	5345.8	Wed	l Ont vaincu par le song de l agneau et par la parol d ont ils ont ...	CW	(AB-F)
UM05	10-1	1637	5345.8	Wed	i.p. vivants crier comme d une voix de tonnerre viens et voici qu apparut mes yeux un cheval blanc ...	CW	(AB)
UM05	11-1	0612	5345.8	Tue	i.p. apposa des scells afin qu il cesst de fourvoyer les nations ...	CW	(AB-F)
UM05	12-1	0620	5345.8	Fri	More texts from the Bible. All accented letters were skipped	CW	(AB-F)
UM05	13-1	0649	5345.8	Sat	i.p. et par Jsus Christ le t moin fidle ppremier n dentre les morts le prince des rois de la terre ...	CW	(AB-D)
UM05	14-1	0702	5345.8	Sun	... au milieu des quatre vivants qui disait un litre de bl pour un denier trois litres d orge pour ...	CW	(AB-F)
UM05	15-1	0750	5345.8	Mon	1 et je vis dans la main droite de celui qui dige sur le trne un livre ...	CW	(AB-F)
UM05	16-1	0700	5345.8	Tue	... agissements les hommis blasphemrent le dieu du ciel sous le cous des douleurs ...	CW	(AB-F)
UM05	17-1	1135	5345.8	Wed	... longueur largeur et hauteur y sont gales 17 puis il en mesura le rempart soit 133 coudes ...	CW	(AB-F)
UM05	18-1	0725	5345.8	Tue	... vis un ange debout sur le soleil clier d une puissant tous les oiseaux qui volaient au znith venez ...	CW	(AB-F)
UM05	19-1	0746	5345.8	Fri	Bible texts i.p. portant glav un not nouveau qui nul de connat hortis celui qui le reoit ...	CW	(AB-F)
UM05	20-1	0656	5345.8	Sat	... qui nul ne connat hormis celui qui le reoit 18 a l ange de l eglise de Thyatire cris ainsa parle le Fils de Dieu ...	CW	(AB-D)
UM05	21-1	0720	5345.8	Sun	... Ciel 7 on lui donna de mener campagne contre les saints et de les vaincre on lui donna pouvoir sur toute race peuple ..	CW	(AB-D)
UM05	22-1	0559	5345.8	Mon	... au ciel des voix clamrent le royaum du monde est acquise notre seigneur ainsi qi son Christ ...	CW	(AB-F)
UM05	23-1	0636	5345.8	Tue	... toutes les nations du vin ce la colre 9 un autre ange un troisme les suivit criant d une voix ...	CW	(AB-F)
UM05	24-1	0641	5345.8	Wed	... pour les sicles des sicles amen voici il vient avec les mues chacun le verra mme ceux qui l ont transperc ...	CW	(AB-D)
UM05	25-1	0630	5345.8	Tue	active, sending texts from the Bible	CW	(AB-D)
UM05	26-1	0755	5345.8	Fri	... on leur remit sept trompettes 3 un autre ange vint alors se placer prs le l autel ...	CW	(AB-D)
UM05	27-1	0656	5345.8	Sat	... les idoltres et tous ceux qui is plaisent faire le mal 16 moi jai envoy mon ange publier chez bous ces rvlations concernant ...	CW	(AB-D)
UM05	28-1	0639	5345.8	Sun	15 puis un autre ange sortit du temole et crin dune voix puissante celui lui tait assis...	CW	(AB-D)
UM05	29-1	0756	5345.8	Mon	... de si repentir de leurs agissements les hommes blasphemrent le Dieu du ciel sous le coup des douleurs ...	CW	(AB-D)
UM05	30-1	0636	5345.8	Tue	... le cinquime sceau je vis sous l autel les mes de ...	CW	(AB-F)
UM05	31-1	0615	5345.8	Wed	20 alors toute le prit le luite et les montagnes disparure et 21 et des grlons normes prs de 18 livres ...	CW	(AB-D)
UM06	2-1	1010	14442	Tue	i.p. 55555 (x20) BDTOP XKOCE XKOECE UKEMO RTSMA UKEMO 22222 (x20) XKOCE UKEMO XKOCE XKOCE TUORS XKOCE 00000 (x20)	CW	(AB-S)
UM06	2-1	1504	14442	Tue	i.p. 11111 (x20) TUORS UKEMO TUORS RTSMA BDTOP TUORS 22222 (x20) BDTOP BDTOP RTSMA TUORS RTSMA RTSMA	CW	(AB-S)
USB	15-1	1205	8049	Mon	Chinese Air Defense a.k.a. Chinese Robot		(AB-RUS)
USB	22-1	1130	8049	Mon	Chinese Air Defense a.k.a. Chinese Robot		(AB-TWN)
V07	7-1	0200	17436	Sun	464 464 464 1 7598 119 7598 119 52476 92094 20494 ... 75419 04509 83135 000 000	USB	(Dan/HFD-USA)
V07	7-1	0220	14636	Sun	464 464 464 1 7598 119 7598 119 52476 92094 20494 ... 75419 04509 83135 000 000	USB	(HFD)
V07	7-1	0240	13436	Sun	464 464 464 1 7598 119 7598 119 52476 92094 20494 ... 75419 04509 83135 000 000	USB	(HFD)
V07	14-1	0200	17436	Sun	464 464 464 1 7608 124 7608 124 27655 43841 36968 ... 83116 20852 77478 000 000	USB	(Dan)
V07	21-1	0200	17436	Sun	464 464 464 1 5658 126 5658 126 79313 33925 03502 ... 79478 29081 32234 000 000	USB	(Dan)

V07	28-1	0200	17436	Sun	464 464 464 1 314 78 314 78 67600 42275 82094 ... 28103 26740 67549 000 000	USB	(Dan)
V13	15-1	1200	13974	Mon	New Star Broadcasting	USB	(AB)
V13	16-1	1200	13974	Tue	New Star Broadcasting	USB	(AB)
V13	23-1	1200	13974	Tue	New Star Broadcasting	USB	(AB-CHN)
V13	31-1	1300	13974	Wed	New Star Broadcasting	USB	(AB-TWN)
V28	19-1	2106	3048	Fri	Parrot	AM	(HK)
V28	19-1	2106	5499	Fri	Parrot	AM	(HK)
V28	19-1	2107	5013	Fri	Parrot	AM	(HK)
V28	19-1	2114	5013	Fri	Parrot	AM	(HK)
V28	21-1	0904	3010	Sun	Parrot. Female operator	AM	(HK)
V28	21-1	0904	3048	Sun	Parrot. Female operator	AM	(HK)
V28	21-1	0904	5200	Sun	Parrot. Male operator	AM	(HK)
V28	21-1	0904	5499	Sun	Parrot. Male operator	AM	(HK)
VC01	9-1	1416	8049	Tue	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB)
VC01	9-1	1419	4435	Tue	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
VC01	11-1	1006	8049	Tue	Chinese Air Defense a.k.a. Chinese Robot	USB	(NC)
VC01	13-1	1301	4435	Sat	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
VC01	13-1	1301	8049	Sat	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB-TWN)
VC01	16-1	1404	4435	Tue	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
VC01	25-1	1303	4435	Tue	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
VC01	31-1	1303	4435	Wed	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
VC01	31-1	1303	8049	Wed	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB-TWN)
X06	9-1	1008	16317	Tue	MFA Moscow clg 612534: Russian embassy Ashgabat	MFSK-6	(RO)
X06	9-1	1023	20813	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(RO)
X06	10-1	0818	11483	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(Moon)
X06	10-1	0928	11153	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(AB/Moon)
X06	11-1	0812	16153	Tue	MFA Moscow clg 153624; Russian embassy Damascus	MFSK-6	(Moon)
X06	15-1	0906	14392	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(AB/RXR)
X06	16-1	0821	11370	Tue	111333 and 111555 on top of each other. Changed to 111555 at 0838z. Off at 0838z	MFSK-6	(AB/RO)
X06	16-1	0821	13640	Tue	111333 and 111555 on top of each other. Buzzer in the background. Changed to 111555 at 0838z.	MFSK-6	(AB/RO)
X06	16-1	0928	14358	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB/Moon)
X06	16-1	0943	12149	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB/Moon)
X06	18-1	0758	17534	Tue	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(Moon)
X06	19-1	1025	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(Moon)
X06	21-1	0651	12130	Sun	MFA Moscow clg 452163: Russian embassy Kabul	MFSK-6	(T101)
X06	22-1	0834	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(Moon)
X06	22-1	0942	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB/Moon)
X06	23-1	0827	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(Moon)
X06	23-1	0958	17520	Tue	MFA Moscow clg 612534: Russian embassy Ashgabat	MFSK-6	(Moon)
X06	23-1	1035	20813	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(RO/Moon)
X06	24-1	0756	14655	Wed	MFA Moscow clg 164253: Russian embassy Addis Ababa	MFSK-6	(AB)
X06	24-1	0859	13985	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(Moon)

X06	25-1	0817	16153	Tue	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(Moon)
X06	26-1	1016	17463	Fri	MFA Moscow clg 256134: Russian embassy Abidjan	MFSK-6	(AB)
X06	26-1	1023	19611	Fri	MFA Moscow clg 256134: Russian embassy Abidjan	MFSK-6	(AB)
X06	28-1	1113	15710	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(Moon)
X06b	15-1	0850	11559	Mon	i.p. 116666	MFSK-6	(NGr)
X06b	15-1	0857	11560	Mon	466446 (8 sec), off and back at 0900z	MFSK-6	(NGr)
X06b	15-1	1024	10560	Mon	166116 (2hrs 7min)	MFSK-6	(AB)
X06b	16-1	0753	14769	Tue	166116 (R 46min)	MFSK-6/AM	(AB/RO)
X06b	16-1	0757	15740	Tue	111666 (R 43min)	MFSK-6/AM	(AB/RO)
X06b	16-1	0825	14810	Tue	111222 (R 11min)	MFSK-6	(AB/RO)
X06b	16-1	0838	13640	Tue	111555. Off at 0838z	MFSK-6	(AB)
X06d	16-1	0742	12350	Tue	111666 (R 58min)	MFSK-6/AM	(AB/RO)
X06d	16-1	0805	11370	Tue	666666 changed to 111333 and 111555 on top of each other at 0821z	MFSK-6	(AB)
X06d	16-1	0817	13640	Tue	111111 changed to 111333 and 111555 on top of each other at 0821z	MFSK-6	(AB)
XPA1	3-1	1310	14852	Wed	895 895 895 000 04561 00001 00000 34262	MFSK-20/10Bd	(AB/HFD)
XPA1	3-1	1330	13952	Wed	895 895 895 000 04561 00001 00000 34262	MFSK-20/10Bd	(AB/HFD)
XPA1	3-1	1350	11552	Wed	895 895 895 000 04561 00001 00000 34262	MFSK-20/10Bd	(AB/HFD)
XPA1	5-1	1310	14852	Fri	895 895 895 000 07514 00001 00000 35660	MFSK-20/10Bd	(AB)
XPA1	5-1	1330	13952	Fri	895 895 895 000 07514 00001 00000 35660	MFSK-20/10Bd	(AB)
XPA1	5-1	1350	11552	Fri	895 895 895 000 07514 00001 00000 35660	MFSK-20/10Bd	(AB)
XPA1	10-1	1310	14852	Wed	895 895 895 000 09110 00001 00000 31662	MFSK-20/10Bd	(AB)
XPA1	10-1	1330	13952	Wed	895 895 895 000 09110 00001 00000 31662	MFSK-20/10Bd	(AB)
XPA1	10-1	1350	11552	Wed	895 895 895 000 09110 00001 00000 31662	MFSK-20/10Bd	(AB)
XPA1	12-1	1310	14852	Fri	895 895 895 000 04023 00001 00000 32656	MFSK-20/10Bd	(AB)
XPA1	12-1	1330	13952	Fri	895 895 895 000 04023 00001 00000 32656	MFSK-20/10Bd	(AB)
XPA1	12-1	1350	11552	Fri	895 895 895 000 04023 00001 00000 32656	MFSK-20/10Bd	(AB)
XPA1	17-1	1310	14852	Wed	895 895 895 1 00314 00188 54230 ... 95746 91052 47363	MFSK-20/10Bd	(AB)
XPA1	17-1	1330	13952	Wed	895 895 895 1 00314 00188 54230 ... 95746 91052 47363	MFSK-20/10Bd	(AB)
XPA1	17-1	1350	11552	Wed	895 895 895 1 00314 00188 54230 ... 95746 91052 47363	MFSK-20/10Bd	(AB)
XPA1	19-1	1310	14852	Fri	895 895 895 1 00314 00188 54230 ... 95746 91052 47363	MFSK-20/10Bd	(AB)
XPA1	19-1	1330	13952	Fri	895 895 895 1 00314 00188 54230 ... 95746 91052 47363	MFSK-20/10Bd	(AB)
XPA1	19-1	1350	11552	Fri	895 895 895 1 00314 00188 54230 ... 95746 91052 47363	MFSK-20/10Bd	(AB)
XPA1	24-1	1310	14852	Wed	895 895 895 1 00314 00188 54230 ... 95746 91052 47363	MFSK-20/10Bd	(AB)
XPA1	24-1	1330	13952	Wed	895 895 895 1 00314 00188 54230 ... 95746 91052 47363	MFSK-20/10Bd	(AB)
XPA1	24-1	1350	11552	Wed	895 895 895 1 00314 00188 54230 ... 95746 91052 47363	MFSK-20/10Bd	(AB)
XPA1	26-1	1310	14852	Fri	895 895 895 1 00314 00188 54230 ... 95746 91052 47363	MFSK-20/10Bd	(AB)
XPA1	26-1	1330	13952	Fri	895 895 895 1 00314 00188 54230 ... 95746 91052 47363	MFSK-20/10Bd	(AB)
XPA1	26-1	1350	11552	Fri	895 895 895 1 00314 00188 54230 ... 95746 91052 47363	MFSK-20/10Bd	(AB)
XPA1	31-1	1310	14852	Wed	895 895 895 1 04257 00215 08528 ... 23592 69647 31462	MFSK-20/10Bd	(AB)
XPA1	31-1	1330	13952	Wed	895 895 895 1 04257 00215 08528 ... 23592 69647 31462	MFSK-20/10Bd	(AB)
XPA1	31-1	1350	11552	Wed	895 895 895 1 04257 00215 08528 ... 23592 69647 31462	MFSK-20/10Bd	(AB)
XPA2	1-1	0800	11493	Mon	01739 00001 00000 41254	MFSK-16/20Bd	(AB/HFD)

XPA2	1-1	0820	13393	Mon	01739 00001 00000 41254	MFSK-16/20Bd	(AB/HFD)
XPA2	1-1	0840	13993	Mon	01739 00001 00000 41254	MFSK-16/20Bd	(AB/HFD)
XPA2	1-1	0910	14977	Mon	05040 00059 97877 ... 33912 79262 50546	MFSK-16/20bd	(AB/HFD)
XPA2	1-1	0930	13971	Mon	05040 00059 97877 ... 33912 79262 50546	MFSK-16/20bd	(AB/HFD)
XPA2	1-1	0950	13371	Mon	05040 00059 97877 ... 33912 79262 50546	MFSK-16/20bd	(AB/HFD)
XPA2	1-1	1600	9317	Mon	00593 00228 70838 ... 45486 72657 22400	MFSK-16/20bd	(AB/MPJ/HFD)
XPA2	1-1	1620	8117	Mon	00593 00228 70838 ... 45486 72657 22400	MFSK-16/20bd	(AB/MPJ/HFD)
XPA2	1-1	1640	7517	Mon	00593 00228 70838 ... 45486 72657 22400	MFSK-16/20bd	(AB/MPJ/HFD)
XPA2	2-1	0600	9382	Tue	07532 00001 00000 34662	MFSK-16/20Bd	(AB/HFD)
XPA2	2-1	0620	10582	Tue	07532 00001 00000 34662	MFSK-16/20Bd	(AB/HFD)
XPA2	2-1	0640	11582	Tue	07532 00001 00000 34662	MFSK-16/20Bd	(AB/HFD)
XPA2	2-1	1100	10231	Tue	09889 00001 00000 41671	MFSK-16/20Bd	(AB/HFD)
XPA2	2-1	1120	9331	Tue	09889 00001 00000 41671	MFSK-16/20Bd	(AB/HFD)
XPA2	2-1	1140	8131	Tue	09889 00001 00000 41671	MFSK-16/20Bd	(AB/HFD)
XPA2	2-1	1600	10465	Tue	01725 00001 00000 37253	MFSK-16/20Bd	(AB/HFD)
XPA2	2-1	1620	9165	Tue	01725 00001 00000 37253	MFSK-16/20Bd	(AB/HFD)
XPA2	2-1	1640	8065	Tue	01725 00001 00000 37253	MFSK-16/20Bd	(AB/HFD)
XPA2	3-1	0800	11493	Wed	02664 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	3-1	0820	13393	Wed	02664 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	3-1	0840	13993	Wed	02664 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	3-1	0910	14977	Wed	05040 00059 97877 ... 33912 79262 50546	MFSK-16/20Bd	(AB)
XPA2	3-1	0930	13971	Wed	05040 00059 97877 ... 33912 79262 50546	MFSK-16/20Bd	(AB)
XPA2	3-1	0950	13371	Wed	05040 00059 97877 ... 33912 79262 50546	MFSK-16/20Bd	(AB)
XPA2	3-1	1100	13384	Wed	00679 00144 23044 ... 04959 60849 55024	MFSK-16/20Bd	(AB)
XPA2	3-1	1120	12184	Wed	00679 00144 23044 ... 04959 60849 55024	MFSK-16/20Bd	(AB)
XPA2	3-1	1140	10984	Wed	00679 00144 23044 ... 04959 60849 55024	MFSK-16/20Bd	(AB)
XPA2	3-1	1200	13878	Wed	00702 00201 58783 ... 66263 55008 35512	MFSK-16/20Bd	(AB/HFD)
XPA2	3-1	1220	14978	Wed	00702 00201 58783 ... 66263 55008 35512	MFSK-16/20Bd	(AB/HFD)
XPA2	3-1	1240	16278	Wed	00702 00201 58783 ... 66263 55008 35512	MFSK-16/20Bd	(AB/HFD)
XPA2	4-1	0600	9382	Tue	07288 00001 00000 36267	MFSK-16/20Bd	(AB)
XPA2	4-1	0620	10582	Tue	07288 00001 00000 36267	MFSK-16/20Bd	(AB)
XPA2	4-1	0640	11582	Tue	07288 00001 00000 36267	MFSK-16/20Bd	(AB)
XPA2	4-1	0910	14794	Tue	02126 00001 00000 34654	MFSK-16/20Bd	(AB/HFD)
XPA2	4-1	0930	13994	Tue	02126 00001 00000 34654	MFSK-16/20Bd	(AB/HFD)
XPA2	4-1	0950	12194	Tue	02126 00001 00000 34654	MFSK-16/20Bd	(AB/HFD)
XPA2	4-1	1100	13384	Tue	00679 00144 23044 ... 04959 60849 55024	MFSK-16/20Bd	(AB/HFD)
XPA2	4-1	1120	12184	Tue	00679 00144 23044 ... 04959 60849 55024	MFSK-16/20Bd	(AB/HFD)
XPA2	4-1	1140	10984	Tue	00679 00144 23044 ... 04959 60849 55024	MFSK-16/20Bd	(AB/HFD)
XPA2	4-1	1600	10465	Tue	02807 00001 00000 40652	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-1	1620	9165	Tue	02807 00001 00000 40652	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-1	1640	8065	Tue	02807 00001 00000 40652	MFSK-16/20Bd	(AB/MPJ)
XPA2	5-1	0900	16327	Fri	00763 00074 66427 ... 21973 39324 72741	MFSK-16/20Bd	(AB/HFD)

XPA2	5-1	0920	18227	Fri	00763 00074 66427 ... 21973 39324 72741	MFSK-16/20Bd	(AB/HFD)
XPA2	5-1	0940	19627	Fri	00763 00074 66427 ... 21973 39324 72741	MFSK-16/20Bd	(AB/HFD)
XPA2	5-1	1100	10231	Fri	08999 00001 00000 42271	MFSK-16/20Bd	(AB)
XPA2	5-1	1120	9331	Fri	08999 00001 00000 42271	MFSK-16/20Bd	(AB)
XPA2	5-1	1140	8131	Fri	08999 00001 00000 42271	MFSK-16/20Bd	(AB)
XPA2	5-1	1200	13878	Fri	00702 00201 58783 ... 66263 55008 35512	MFSK-16/20Bd	(AB)
XPA2	5-1	1220	14978	Fri	00702 00201 58783 ... 66263 55008 35512	MFSK-16/20Bd	(AB)
XPA2	5-1	1240	16278	Fri	00702 00201 58783 ... 66263 55008 35512	MFSK-16/20Bd	(AB)
XPA2	6-1	0910	14794	Sat	04868 00001 00000 31662	MFSK-16/20Bd	(AB)
XPA2	6-1	0930	13994	Sat	04868 00001 00000 31662	MFSK-16/20Bd	(AB)
XPA2	6-1	0950	12194	Sat	04868 00001 00000 31662	MFSK-16/20Bd	(AB)
XPA2	6-1	1600	9317	Sat	00593 00228 70838 ... 45486 72657 22400	MFSK-16/20bd	(AB/MPJ)
XPA2	6-1	1620	8117	Sat	00593 00228 70838 ... 45486 72657 22400	MFSK-16/20bd	(AB/MPJ)
XPA2	6-1	1640	7517	Sat	00593 00228 70838 ... 45486 72657 22400	MFSK-16/20bd	(AB/MPJ)
XPA2	7-1	0900	16327	Sun	00763 00074 66427 ... 21973 39324 72741	MFSK-16/20Bd	(AB)
XPA2	7-1	0920	18227	Sun	00763 00074 66427 ... 21973 39324 72741	MFSK-16/20Bd	(AB)
XPA2	7-1	0940	19627	Sun	00763 00074 66427 ... 21973 39324 72741	MFSK-16/20Bd	(AB)
XPA2	8-1	0800	11493	Mon	08279 00001 00000 36667	MFSK-16/20Bd	(AB)
XPA2	8-1	0820	13393	Mon	08279 00001 00000 36667	MFSK-16/20Bd	(AB)
XPA2	8-1	0840	13993	Mon	08279 00001 00000 36667	MFSK-16/20Bd	(AB)
XPA2	8-1	0910	14977	Mon	08098 00120 30789 ... 02250 68663 12676	MFSK-16/20bd	(AB)
XPA2	8-1	0930	13971	Mon	08098 00120 30789 ... 02250 68663 12676	MFSK-16/20bd	(AB)
XPA2	8-1	0950	13371	Mon	08098 00120 30789 ... 02250 68663 12676	MFSK-16/20bd	(AB)
XPA2	8-1	1600	9317	Mon	08870 00001 00000 35267	MFSK-16/20bd	(AB)
XPA2	8-1	1620	8117	Mon	08870 00001 00000 35267	MFSK-16/20bd	(AB)
XPA2	8-1	1640	7517	Mon	08870 00001 00000 35267	MFSK-16/20bd	(AB)
XPA2	9-1	0600	9382	Tue	00512 00140 31725 ... 08265 56922 16407	MFSK-16/20Bd	(AB)
XPA2	9-1	0620	10582	Tue	00512 00140 31725 ... 08265 56922 16407	MFSK-16/20Bd	(AB)
XPA2	9-1	0640	11582	Tue	00512 00140 31725 ... 08265 56922 16407	MFSK-16/20Bd	(AB)
XPA2	9-1	1100	10231	Tue	00297 00068 80021 ... 80208 80335 00022	MFSK-16/20Bd	(AB)
XPA2	9-1	1120	9331	Tue	00297 00068 80021 ... 80208 80335 00022	MFSK-16/20Bd	(AB)
XPA2	9-1	1140	8131	Tue	00297 00068 80021 ... 80208 80335 00022	MFSK-16/20Bd	(AB)
XPA2	9-1	1600	10465	Tue	03636 00001 00000 37256	MFSK-16/20Bd	(AB)
XPA2	9-1	1620	9165	Tue	03636 00001 00000 37256	MFSK-16/20Bd	(AB)
XPA2	9-1	1640	8065	Tue	03636 00001 00000 37256	MFSK-16/20Bd	(AB)
XPA2	10-1	0800	11493	Wed	01347 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	10-1	0820	13393	Wed	01347 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	10-1	0840	13993	Wed	01347 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	10-1	0910	14977	Wed	08098 00120 30789 ... 02250 68663 12676	MFSK-16/20Bd	(AB)
XPA2	10-1	0930	13971	Wed	08098 00120 30789 ... 02250 68663 12676	MFSK-16/20Bd	(AB)
XPA2	10-1	0950	13371	Wed	08098 00120 30789 ... 02250 68663 12676	MFSK-16/20Bd	(AB)
XPA2	10-1	1100	13384	Wed	00679 00144 23044 ... 04959 60849 55024	MFSK-16/20Bd	(AB)

XPA2	10-1	1120	12184	Wed	00679 00144 23044 ... 04959 60849 55024	MFSK-16/20Bd	(AB)
XPA2	10-1	1140	10984	Wed	00679 00144 23044 ... 04959 60849 55024	MFSK-16/20Bd	(AB)
XPA2	10-1	1200	13878	Wed	00690 00183 96775 ... 24943 83551 04044	MFSK-16/20Bd	(AB)
XPA2	10-1	1220	14978	Wed	00690 00183 96775 ... 24943 83551 04044	MFSK-16/20Bd	(AB)
XPA2	10-1	1240	16278	Wed	00690 00183 96775 ... 24943 83551 04044	MFSK-16/20Bd	(AB)
XPA2	11-1	0600	9382	Tue	00512 00140 31725 ... 08265 56922 16407	MFSK-16/20Bd	(AB)
XPA2	11-1	0620	10582	Tue	00512 00140 31725 ... 08265 56922 16407	MFSK-16/20Bd	(AB)
XPA2	11-1	0640	11582	Tue	00512 00140 31725 ... 08265 56922 16407	MFSK-16/20Bd	(AB)
XPA2	11-1	0910	14794	Tue	03766 00001 00000 37661	MFSK-16/20Bd	(AB)
XPA2	11-1	0930	13994	Tue	03766 00001 00000 37661	MFSK-16/20Bd	(AB)
XPA2	11-1	0950	12194	Tue	03766 00001 00000 37661	MFSK-16/20Bd	(AB)
XPA2	11-1	1100	13384	Tue	00679 00144 23044 ... 04959 60849 55024	MFSK-16/20Bd	(AB)
XPA2	11-1	1120	12184	Tue	00679 00144 23044 ... 04959 60849 55024	MFSK-16/20Bd	(AB)
XPA2	11-1	1140	10984	Tue	00679 00144 23044 ... 04959 60849 55024	MFSK-16/20Bd	(AB)
XPA2	11-1	1600	10465	Tue	05574 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	11-1	1620	9165	Tue	05574 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	11-1	1640	8065	Tue	05574 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	12-1	0900	16327	Fri	02818 00088 40360 ... 85214 24309 40661	MFSK-16/20Bd	(AB)
XPA2	12-1	0920	18227	Fri	02818 00088 40360 ... 85214 24309 40661	MFSK-16/20Bd	(AB)
XPA2	12-1	0940	19627	Fri	02818 00088 40360 ... 85214 24309 40661	MFSK-16/20Bd	(AB)
XPA2	12-1	1100	10231	Fri	00297 00068 80021 ... 80208 80335 00022	MFSK-16/20Bd	(AB)
XPA2	12-1	1120	9331	Fri	00297 00068 80021 ... 80208 80335 00022	MFSK-16/20Bd	(AB)
XPA2	12-1	1140	8131	Fri	00297 00068 80021 ... 80208 80335 00022	MFSK-16/20Bd	(AB)
XPA2	12-1	1200	13878	Fri	00690 00183 96775 ... 24943 83551 04044	MFSK-16/20Bd	(AB)
XPA2	12-1	1220	14978	Fri	00690 00183 96775 ... 24943 83551 04044	MFSK-16/20Bd	(AB)
XPA2	12-1	1240	16278	Fri	00690 00183 96775 ... 24943 83551 04044	MFSK-16/20Bd	(AB)
XPA2	13-1	0910	14794	Sat	06760 00001 00000 34664	MFSK-16/20Bd	(AB)
XPA2	13-1	0930	13994	Sat	04868 00001 00000 31662	MFSK-16/20Bd	(AB)
XPA2	13-1	0950	12194	Sat	06760 00001 00000 34664	MFSK-16/20Bd	(AB)
XPA2	13-1	1600	9317	Sat	05621 00001 00000 34657	MFSK-16/20bd	(AB)
XPA2	13-1	1620	8117	Sat	05621 00001 00000 34657	MFSK-16/20bd	(AB)
XPA2	13-1	1640	7517	Sat	05621 00001 00000 34657	MFSK-16/20bd	(AB)
XPA2	14-1	0900	16327	Sun	02818 00088 40360 ... 85214 24309 40661	MFSK-16/20Bd	(AB)
XPA2	14-1	0920	18227	Sun	02818 00088 40360 ... 85214 24309 40661	MFSK-16/20Bd	(AB)
XPA2	14-1	0940	19627	Sun	02818 00088 40360 ... 85214 24309 40661	MFSK-16/20Bd	(AB)
XPA2	15-1	0800	11493	Mon	00449 00257 11156 ... 00803 19995 11430	MFSK-16/20Bd	(AB)
XPA2	15-1	0820	13393	Mon	00449 00257 11156 ... 00803 19995 11430	MFSK-16/20Bd	(AB)
XPA2	15-1	0840	13993	Mon	00449 00257 11156 ... 00803 19995 11430	MFSK-16/20Bd	(AB)
XPA2	15-1	0910	14977	Mon	05244 00001 00000 34261	MFSK-16/20bd	(AB)
XPA2	15-1	0930	13971	Mon	05244 00001 00000 34261	MFSK-16/20bd	(AB)
XPA2	15-1	0950	13371	Mon	05244 00001 00000 34261	MFSK-16/20bd	(AB)
XPA2	15-1	1600	9317	Mon	04218 00285 93658 ... 51838 89366 17431	MFSK-16/20bd	(AB)

XPA2	15-1	1620	8117	Mon	04218 00285 93658 ... 51838 89366 17431	MFSK-16/20bd	(AB)
XPA2	15-1	1640	7517	Mon	04218 00285 93658 ... 51838 89366 17431	MFSK-16/20bd	(AB)
XPA2	16-1	0600	9382	Tue	08855 00001 00000 37665	MFSK-16/20Bd	(AB)
XPA2	16-1	0620	10582	Tue	08855 00001 00000 37665	MFSK-16/20Bd	(AB)
XPA2	16-1	0640	11582	Tue	08855 00001 00000 37665	MFSK-16/20Bd	(AB)
XPA2	16-1	1100	10231	Tue	00297 00068 80021 ... 80208 80335 00022	MFSK-16/20Bd	(AB)
XPA2	16-1	1120	9331	Tue	00297 00068 80021 ... 80208 80335 00022	MFSK-16/20Bd	(AB)
XPA2	16-1	1140	8131	Tue	00297 00068 80021 ... 80208 80335 00022	MFSK-16/20Bd	(AB)
XPA2	16-1	1600	10465	Tue	00113 00200 25129 ... 54667 08931 44335	MFSK-16/20Bd	(AB)
XPA2	16-1	1620	9165	Tue	00113 00200 25129 ... 54667 08931 44335	MFSK-16/20Bd	(AB)
XPA2	16-1	1640	8065	Tue	00113 00200 25129 ... 54667 08931 44335	MFSK-16/20Bd	(AB)
XPA2	17-1	0800	11493	Wed	00449 00257 11156 ... 00803 19995 11430	MFSK-16/20Bd	(AB)
XPA2	17-1	0820	13393	Wed	00449 00257 11156 ... 00803 19995 11430	MFSK-16/20Bd	(AB)
XPA2	17-1	0840	13993	Wed	00449 00257 11156 ... 00803 19995 11430	MFSK-16/20Bd	(AB)
XPA2	17-1	0910	14977	Wed	08791 00001 00000 35271	MFSK-16/20Bd	(AB)
XPA2	17-1	0930	13971	Wed	08791 00001 00000 35271	MFSK-16/20Bd	(AB)
XPA2	17-1	0950	13371	Wed	08791 00001 00000 35271	MFSK-16/20Bd	(AB)
XPA2	17-1	1100	13384	Wed	01297 00001 0000 35662	MFSK-16/20Bd	(AB)
XPA2	17-1	1120	12184	Wed	01297 00001 0000 35662	MFSK-16/20Bd	(AB)
XPA2	17-1	1140	10984	Wed	01297 00001 0000 35662	MFSK-16/20Bd	(AB)
XPA2	17-1	1200	13878	Wed	00534 00070 91774 ... 59175 60780 64475	MFSK-16/20Bd	(AB)
XPA2	17-1	1220	14978	Wed	00534 00070 91774 ... 59175 60780 64475	MFSK-16/20Bd	(AB)
XPA2	17-1	1240	16278	Wed	00534 00070 91774 ... 59175 60780 64475	MFSK-16/20Bd	(AB)
XPA2	18-1	0600	9382	Tue	04206 00001 00000 35254	MFSK-16/20Bd	(AB)
XPA2	18-1	0620	10582	Tue	04206 00001 00000 35254	MFSK-16/20Bd	(AB)
XPA2	18-1	0640	11582	Tue	04206 00001 00000 35254	MFSK-16/20Bd	(AB)
XPA2	18-1	0910	14794	Tue	00688 00120 58674 ... 83445 92993 23644	MFSK-16/20Bd	(AB)
XPA2	18-1	0930	13994	Tue	00688 00120 58674 ... 83445 92993 23644	MFSK-16/20Bd	(AB)
XPA2	18-1	0950	12194	Tue	00688 00120 58674 ... 83445 92993 23644	MFSK-16/20Bd	(AB)
XPA2	18-1	1100	13384	Tue	06307 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	18-1	1120	12184	Tue	06307 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	18-1	1140	10984	Tue	06307 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	18-1	1600	10465	Tue	00113 00200 25129 ... 54667 08931 44335	MFSK-16/20Bd	(AB)
XPA2	18-1	1620	9165	Tue	00113 00200 25129 ... 54667 08931 44335	MFSK-16/20Bd	(AB)
XPA2	18-1	1640	8065	Tue	00113 00200 25129 ... 54667 08931 44335	MFSK-16/20Bd	(AB)
XPA2	19-1	0900	16327	Fri	06614 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	19-1	0920	18227	Fri	06614 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	19-1	0940	19627	Fri	06614 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	19-1	1100	10231	Fri	00297 00068 80021 ... 80208 80335 00022	MFSK-16/20Bd	(AB)
XPA2	19-1	1120	9331	Fri	00297 00068 80021 ... 80208 80335 00022	MFSK-16/20Bd	(AB)
XPA2	19-1	1140	8131	Fri	00297 00068 80021 ... 80208 80335 00022	MFSK-16/20Bd	(AB)
XPA2	19-1	1200	13878	Fri	00534 00070 91774 ... 59175 60780 64475	MFSK-16/20Bd	(AB)

XPA2	19-1	1220	14978	Fri	00534 00070 91774 ... 59175 60780 64475	MFSK-16/20Bd	(AB)
XPA2	19-1	1240	16278	Fri	00534 00070 91774 ... 59175 60780 64475	MFSK-16/20Bd	(AB)
XPA2	20-1	0910	14794	Sat	00688 00120 58674 ... 83445 92993 23644	MFSK-16/20Bd	(AB)
XPA2	20-1	0930	13994	Sat	00688 00120 58674 ... 83445 92993 23644	MFSK-16/20Bd	(AB)
XPA2	20-1	0950	12194	Sat	00688 00120 58674 ... 83445 92993 23644	MFSK-16/20Bd	(AB)
XPA2	20-1	1600	9317	Sat	04218 00285 93658 ... 51838 89366 17431	MFSK-16/20bd	(AB)
XPA2	20-1	1620	8117	Sat	04218 00285 93658 ... 51838 89366 17431	MFSK-16/20bd	(AB)
XPA2	20-1	1640	7517	Sat	04218 00285 93658 ... 51838 89366 17431	MFSK-16/20bd	(AB)
XPA2	21-1	0900	16327	Sun	06252 00001 00000 33263	MFSK-16/20Bd	(AB)
XPA2	21-1	0920	18227	Sun	06252 00001 00000 33263	MFSK-16/20Bd	(AB)
XPA2	21-1	0940	19627	Sun	06252 00001 00000 33263	MFSK-16/20Bd	(AB)
XPA2	22-1	0800	11493	Mon	00449 00257 11156 ... 00803 19995 11430	MFSK-16/20Bd	(AB)
XPA2	22-1	0820	13393	Mon	00449 00257 11156 ... 00803 19995 11430	MFSK-16/20Bd	(AB)
XPA2	22-1	0840	13993	Mon	00449 00257 11156 ... 00803 19995 11430	MFSK-16/20Bd	(AB)
XPA2	22-1	0910	14977	Mon	06684 00086 75836 ... 61195 51591 46767	MFSK-16/20bd	(AB)
XPA2	22-1	0930	13971	Mon	06684 00086 75836 ... 61195 51591 46767	MFSK-16/20bd	(AB)
XPA2	22-1	0950	13371	Mon	06684 00086 75836 ... 61195 51591 46767	MFSK-16/20bd	(AB)
XPA2	22-1	1600	9317	Mon	08688 00001 00000 40270	MFSK-16/20bd	(AB)
XPA2	22-1	1620	8117	Mon	08688 00001 00000 40270	MFSK-16/20bd	(AB)
XPA2	22-1	1640	7517	Mon	08688 00001 00000 40270	MFSK-16/20bd	(AB)
XPA2	23-1	0600	9382	Tue	05839 00224 65582 ... 07368 31863 00304	MFSK-16/20Bd	(AB)
XPA2	23-1	0620	10582	Tue	05839 00224 65582 ... 07368 31863 00304	MFSK-16/20Bd	(AB)
XPA2	23-1	0640	11582	Tue	05839 00224 65582 ... 07368 31863 00304	MFSK-16/20Bd	(AB)
XPA2	23-1	1100	10231	Tue	01813 00001 00000 36652	MFSK-16/20Bd	(AB)
XPA2	23-1	1120	9331	Tue	01813 00001 00000 36652	MFSK-16/20Bd	(AB)
XPA2	23-1	1140	8131	Tue	01813 00001 00000 36652	MFSK-16/20Bd	(AB)
XPA2	23-1	1600	10465	Tue	06566 00001 00000 36664	MFSK-16/20Bd	(AB)
XPA2	23-1	1620	9165	Tue	06566 00001 00000 36664	MFSK-16/20Bd	(AB)
XPA2	23-1	1640	8065	Tue	06566 00001 00000 36664	MFSK-16/20Bd	(AB)
XPA2	24-1	0800	11493	Wed	00449 00257 11156 ... 00803 19995 11430	MFSK-16/20Bd	(AB)
XPA2	24-1	0820	13393	Wed	00449 00257 11156 ... 00803 19995 11430	MFSK-16/20Bd	(AB)
XPA2	24-1	0840	13993	Wed	00449 00257 11156 ... 00803 19995 11430	MFSK-16/20Bd	(AB)
XPA2	24-1	0910	14977	Wed	06684 00086 75836 ... 61195 51591 46767	MFSK-16/20Bd	(AB)
XPA2	24-1	0930	13971	Wed	06684 00086 75836 ... 61195 51591 46767	MFSK-16/20Bd	(AB)
XPA2	24-1	0950	13371	Wed	06684 00086 75836 ... 61195 51591 46767	MFSK-16/20Bd	(AB)
XPA2	24-1	1100	13384	Wed	00710 00039 66225 ... 73744 42985 21337	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	24-1	1120	12184	Wed	00710 00039 66225 ... 73744 42985 21337	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	24-1	1140	10984	Wed	00710 00039 66225 ... 73744 42985 21337	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	24-1	1200	13878	Wed	02567 00140 60123 ... 30383 96486 24570	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	24-1	1220	14978	Wed	02567 00140 60123 ... 30383 96486 24570	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	24-1	1240	16278	Wed	02567 00140 60123 ... 30383 96486 24570	MFSK-16/20Bd	(AB/RL-HOL)
XPA2	25-1	0600	9382	Tue	05839 00224 65582 ... 07368 31863 00304	MFSK-16/20Bd	(AB)

XPA2	25-1	0620	10582	Tue	05839 00224 65582 ... 07368 31863 00304	MFSK-16/20Bd	(AB)
XPA2	25-1	0640	11582	Tue	05839 00224 65582 ... 07368 31863 00304	MFSK-16/20Bd	(AB)
XPA2	25-1	0910	14794	Tue	00502 00066 76826 ... 85604 74851 01003	MFSK-16/20Bd	(AB)
XPA2	25-1	0930	13994	Tue	00502 00066 76826 ... 85604 74851 01003	MFSK-16/20Bd	(AB)
XPA2	25-1	0950	12194	Tue	00502 00066 76826 ... 85604 74851 01003	MFSK-16/20Bd	(AB)
XPA2	25-1	1100	13384	Tue	00710 00039 66225 ... 73744 42985 21337	MFSK-16/20Bd	(AB)
XPA2	25-1	1120	12184	Tue	00710 00039 66225 ... 73744 42985 21337	MFSK-16/20Bd	(AB)
XPA2	25-1	1140	10984	Tue	00710 00039 66225 ... 73744 42985 21337	MFSK-16/20Bd	(AB)
XPA2	25-1	1600	10465	Tue	03639 00001 00000 40656	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-1	1620	9165	Tue	03639 00001 00000 40656	MFSK-16/20Bd	(AB/MPJ)
XPA2	25-1	1640	8065	Tue	03639 00001 00000 40656	MFSK-16/20Bd	(AB/MPJ)
XPA2	26-1	0900	16327	Fri	05390 00071 12857 ... 93668 73391 03704	MFSK-16/20Bd	(AB)
XPA2	26-1	0920	18227	Fri	05390 00071 12857 ... 93668 73391 03704	MFSK-16/20Bd	(AB)
XPA2	26-1	0940	19627	Fri	05390 00071 12857 ... 93668 73391 03704	MFSK-16/20Bd	(AB)
XPA2	26-1	1100	10231	Fri	06929 00001 00000 42260	MFSK-16/20Bd	(AB)
XPA2	26-1	1120	9331	Fri	06929 00001 00000 42260	MFSK-16/20Bd	(AB)
XPA2	26-1	1140	8131	Fri	06929 00001 00000 42260	MFSK-16/20Bd	(AB)
XPA2	26-1	1200	13878	Fri	02567 00140 60123 ... 30383 96486 24570	MFSK-16/20Bd	(AB/MPJ)
XPA2	26-1	1220	14978	Fri	02567 00140 60123 ... 30383 96486 24570	MFSK-16/20Bd	(AB/MPJ)
XPA2	26-1	1240	16278	Fri	02567 00140 60123 ... 30383 96486 24570	MFSK-16/20Bd	(AB/MPJ)
XPA2	27-1	0910	14794	Sat	00502 00066 76826 ... 85604 74851 01003	MFSK-16/20Bd	(AB)
XPA2	27-1	0930	13994	Sat	00502 00066 76826 ... 85604 74851 01003	MFSK-16/20Bd	(AB)
XPA2	27-1	0950	12194	Sat	00502 00066 76826 ... 85604 74851 01003	MFSK-16/20Bd	(AB)
XPA2	27-1	1600	9317	Sat	03688 00001 00000 40263	MFSK-16/20bd	(AB)
XPA2	27-1	1620	8117	Sat	03688 00001 00000 40263	MFSK-16/20bd	(AB)
XPA2	27-1	1640	7517	Sat	03688 00001 00000 40263	MFSK-16/20bd	(AB)
XPA2	28-1	0900	16327	Sun	05390 00071 12857 ... 93668 73391 03704	MFSK-16/20Bd	(AB)
XPA2	28-1	0920	18227	Sun	05390 00071 12857 ... 93668 73391 03704	MFSK-16/20Bd	(AB)
XPA2	28-1	0940	19627	Sun	05390 00071 12857 ... 93668 73391 03704	MFSK-16/20Bd	(AB)
XPA2	29-1	0800	11493	Mon	09450 00199 51139 ... 94882 45854 62525	MFSK-16/20Bd	(AB)
XPA2	29-1	0820	13393	Mon	09450 00199 51139 ... 94882 45854 62525	MFSK-16/20Bd	(AB)
XPA2	29-1	0840	13993	Mon	09450 00199 51139 ... 94882 45854 62525	MFSK-16/20Bd	(AB)
XPA2	29-1	0910	14977	Mon	06684 00086 75836 ... 61195 51591 46767	MFSK-16/20bd	(AB)
XPA2	29-1	0930	13971	Mon	06684 00086 75836 ... 61195 51591 46767	MFSK-16/20bd	(AB)
XPA2	29-1	0950	13371	Mon	06684 00086 75836 ... 61195 51591 46767	MFSK-16/20bd	(AB)
XPA2	29-1	1600	9317	Mon	03788 00193 28832 ... 54889 18675 15130	MFSK-16/20bd	(AB)
XPA2	29-1	1620	8117	Mon	03788 00193 28832 ... 54889 18675 15130	MFSK-16/20bd	(AB)
XPA2	29-1	1640	7517	Mon	03788 00193 28832 ... 54889 18675 15130	MFSK-16/20bd	(AB)
XPA2	30-1	0600	9382	Tue	08039 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	30-1	0620	10582	Tue	08039 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	30-1	0640	11582	Tue	08039 00001 00000 35663	MFSK-16/20Bd	(AB)
XPA2	30-1	1100	10231	Tue	08263 00138 96537 ... 32282 68562 20266	MFSK-16/20Bd	(AB)

XPA2	30-1	1120	9331	Tue	08263 00138 96537 ... 32282 68562 20266	MFSK-16/20Bd	(AB)
XPA2	30-1	1140	8131	Tue	08263 00138 96537 ... 32282 68562 20266	MFSK-16/20Bd	(AB)
XPA2	30-1	1600	10465	Tue	06751 00179 79672 ... 71527 43796 43016	MFSK-16/20Bd	(AB)
XPA2	30-1	1620	9165	Tue	06751 00179 79672 ... 71527 43796 43016	MFSK-16/20Bd	(AB)
XPA2	30-1	1640	8065	Tue	06751 00179 79672 ... 71527 43796 43016	MFSK-16/20Bd	(AB)
XPA2	31-1	0800	11493	Wed	09450 00199 51139 ... 94882 45854 62525	MFSK-16/20Bd	(AB)
XPA2	31-1	0820	13393	Wed	09450 00199 51139 ... 94882 45854 62525	MFSK-16/20Bd	(AB)
XPA2	31-1	0840	13993	Wed	09450 00199 51139 ... 94882 45854 62525	MFSK-16/20Bd	(AB)
XPA2	31-1	0910	14977	Wed	06684 00086 75836 ... 61195 51591 46767	MFSK-16/20Bd	(AB)
XPA2	31-1	0930	13971	Wed	06684 00086 75836 ... 61195 51591 46767	MFSK-16/20Bd	(AB)
XPA2	31-1	0950	13371	Wed	06684 00086 75836 ... 61195 51591 46767	MFSK-16/20Bd	(AB)
XPA2	31-1	1100	13384	Wed	00710 00039 66225 ... 73744 42985 21337	MFSK-16/20Bd	(AB)
XPA2	31-1	1120	12184	Wed	00710 00039 66225 ... 73744 42985 21337	MFSK-16/20Bd	(AB)
XPA2	31-1	1140	10984	Wed	00710 00039 66225 ... 73744 42985 21337	MFSK-16/20Bd	(AB)
XPA2	31-1	1200	13878	Wed	02272 00152 86666 ... 85816 58479 11474	MFSK-16/20Bd	(AB)
XPA2	31-1	1220	14978	Wed	02272 00152 86666 ... 85816 58479 11474	MFSK-16/20Bd	(AB)
XPA2	31-1	1240	16278	Wed	02272 00152 86666 ... 85816 58479 11474	MFSK-16/20Bd	(AB)
XPB1	1-1	0600	12187	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-1	0610	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-1	0620	13887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-1	0630	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-1	0640	14987	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-1	0650	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-1	1100	14769	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-1	1110	14369	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-1	1120	13969	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-1	1130	13369	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-1	1140	12169	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-1	1150	11169	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-1	0600	12187	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	0610	13387	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	0620	13887	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	0630	14487	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	0640	14987	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	0650	15887	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	1300	20069	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	1310	19369	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	1320	18269	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	1330	17469	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	1340	16269	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-1	1350	15969	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	1200	15925	Wed	Russian intel.	MFSK-16	(AB/HFD)

XPB1	3-1	1210	14825	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	1220	13425	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	1230	12125	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	1240	10425	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-1	1250	9325	Wed	Russian intel.	MFSK-16	(AB)
XPB1	5-1	1300	20069	Fri	Russian intel.	MFSK-16	(AB)
XPB1	5-1	1310	19369	Fri	Russian intel.	MFSK-16	(AB)
XPB1	5-1	1320	18269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	5-1	1330	17469	Fri	Russian intel.	MFSK-16	(AB)
XPB1	5-1	1340	16269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	5-1	1350	15969	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-1	1100	14769	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	6-1	1110	14369	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-1	1120	13969	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-1	1130	13369	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-1	1140	12169	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-1	1150	11169	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-1	1200	15925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-1	1210	14825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-1	1220	13425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-1	1230	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-1	1240	10425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-1	1250	9325	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-1	0600	12187	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-1	0610	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-1	0620	13887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-1	0630	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-1	0640	14987	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-1	0650	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-1	1100	14769	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-1	1110	14369	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-1	1120	13969	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-1	1130	13369	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-1	1140	12169	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-1	1150	11169	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-1	0600	12187	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-1	0610	13387	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-1	0620	13887	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-1	0630	14487	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-1	0640	14987	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-1	0650	15887	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-1	1300	20069	Tue	Russian intel.	MFSK-16	(AB)

XPB1	9-1	1310	19369	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-1	1320	18269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-1	1330	17469	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-1	1340	16269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-1	1350	15969	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-1	1200	15925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-1	1210	14825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-1	1220	13425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-1	1230	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-1	1240	10425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-1	1250	9325	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-1	1300	20069	Fri	Russian intel.	MFSK-16	(AB)
XPB1	12-1	1310	19369	Fri	Russian intel.	MFSK-16	(AB)
XPB1	12-1	1320	18269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	12-1	1330	17469	Fri	Russian intel.	MFSK-16	(AB)
XPB1	12-1	1340	16269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	12-1	1350	15969	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-1	1100	14769	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-1	1110	14369	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-1	1120	13969	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-1	1130	13369	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-1	1140	12169	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-1	1150	11169	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-1	1200	15925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-1	1210	14825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-1	1220	13425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-1	1230	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-1	1240	10425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-1	1250	9325	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-1	0600	12187	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-1	0610	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-1	0620	13887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-1	0630	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-1	0640	14987	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-1	0650	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-1	1100	14769	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	15-1	1110	14369	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	15-1	1120	13969	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	15-1	1130	13369	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	15-1	1140	12169	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	15-1	1150	11169	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	16-1	0600	12187	Tue	Russian intel.	MFSK-16	(AB)

XPB1	16-1	0610	13387	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-1	0620	13887	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-1	0630	14487	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-1	0640	14987	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-1	0650	15887	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-1	1300	20069	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	16-1	1310	19369	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	16-1	1320	18269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-1	1330	17469	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	16-1	1340	16269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-1	1350	15969	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-1	1200	15925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-1	1210	14825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-1	1220	13425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-1	1230	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-1	1240	10425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-1	1250	9325	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-1	1300	20069	Fri	Russian intel.	MFSK-16	(AB)
XPB1	19-1	1310	19369	Fri	Russian intel.	MFSK-16	(AB)
XPB1	19-1	1320	18269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	19-1	1330	17469	Fri	Russian intel.	MFSK-16	(AB)
XPB1	19-1	1340	16269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	19-1	1350	15969	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-1	1100	14769	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	20-1	1110	14369	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	20-1	1120	13969	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	20-1	1130	13369	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-1	1140	12169	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	20-1	1150	11169	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-1	1200	15925	Sat	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	20-1	1210	14825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-1	1220	13425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-1	1230	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-1	1240	10425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-1	1250	9325	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-1	0600	12187	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-1	0610	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-1	0620	13887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-1	0630	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-1	0640	14987	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-1	0650	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-1	1100	14769	Mon	Russian intel.	MFSK-16	(AB)

XPB1	22-1	1110	14369	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-1	1120	13969	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-1	1130	13369	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-1	1140	12169	Mon	Russian intel.	MFSK-16	(AB)
XPB1	22-1	1150	11169	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-1	0600	12187	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-1	0610	13387	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-1	0620	13887	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-1	0630	14487	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-1	0640	14987	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-1	0650	15887	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-1	1300	20069	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-1	1310	19369	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-1	1320	18269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-1	1330	17469	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-1	1340	16269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-1	1350	15969	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-1	1200	15925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-1	1210	14825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-1	1220	13425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-1	1230	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-1	1240	10425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-1	1250	9325	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-1	1300	20069	Fri	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	26-1	1310	19369	Fri	Russian intel.	MFSK-16	(AB)
XPB1	26-1	1320	18269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	26-1	1330	17469	Fri	Russian intel.	MFSK-16	(AB)
XPB1	26-1	1340	16269	Fri	Russian intel.	MFSK-16	(AB)
XPB1	26-1	1350	15969	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-1	1100	14769	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-1	1110	14369	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-1	1120	13969	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-1	1130	13369	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-1	1140	12169	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-1	1150	11169	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-1	1200	15925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-1	1210	14825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-1	1220	13425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-1	1230	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-1	1240	10425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-1	1250	9325	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-1	0600	12187	Mon	Russian intel.	MFSK-16	(AB)

XPB1	29-1	0610	13387	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-1	0620	13887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-1	0630	14487	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-1	0640	14987	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-1	0650	15887	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-1	1100	14769	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-1	1110	14369	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-1	1120	13969	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-1	1130	13369	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-1	1140	12169	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-1	1150	11169	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-1	0600	12187	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-1	0610	13387	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-1	0620	13887	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-1	0630	14487	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-1	0640	14987	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-1	0650	15887	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-1	1300	20069	Tue	Russian intel.	MFSK-16	(AB/MPJ)
XPB1	30-1	1310	19369	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-1	1320	18269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-1	1330	17469	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-1	1340	16269	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-1	1350	15969	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-1	1200	15925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	31-1	1210	14825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	31-1	1220	13425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	31-1	1230	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	31-1	1240	10425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	31-1	1250	9325	Wed	Russian intel.	MFSK-16	(AB)
XSL	11-1	1650	4153	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	11-1	1650	4231.5	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	11-1	1650	4291	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	11-1	1650	6250	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	11-1	1650	6417	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	11-1	1650	6445	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	11-1	1650	8313	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	11-1	1650	8588	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	11-1	1650	8588	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	11-1	1650	8703.5	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-ATN	Ary Boender via remote rx Bonaire
AB-CYP	Ary Boender via remote rx Cyprus
AB-D	Ary Boender via remote rx Germany
AB-F	Ary Boender via remote rx France
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-POL	Ary Boender via remote rx Poland
AB-ROU	Ary Boender via remote rx Romania
AB-RUS	Ary Boender via remote rx Russia
AB-S	Ary Boender via remote rx Sweden
AB-TWN	Ary Boender via remote rx Taiwan
AB-USA	Ary Boender via remote rx USA
Anon	Anonymous
Cic	Ciccio Munaron, Italy
Dan	Daniel LU5EMM, Argentina
EW	Eddy Waters, Australia
FD	Full Day Waterfall, University Twente SDR
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-POL	Hans-Friedrich Dumrese via remote rx Poland
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
HK	Hiroyuki Komatsubara, Japan
Lac	Lazycrypt
Moon	Moonlight (Dave AU)
MPJ	Jim, SW England
MPJ-HOL	Jim via remote rx Netherlands
MPJ-POL	Jim via remote rx Poland
NC	Nick Carrigan, WA, USA
NGr	Nik Grabovskiy
Pof	Pofista1_975 via Priyom
PY	Pierre Ynard, France and via remote rx
RL	Roberto Landolpho, Brazil
RL-HOL	Roberto Landolpho via remote rx Netherlands
RO	Rando One, Sweden
RXR	Romeo X-Ray 39
Rycat	Rycat via Priyom
SOB	Stig Ombord
sse	ssemkaz via Priyom
Subilo	Subilo
T101	RadiotekhnikaT101 via Priyom
TM	Time Machine
WN	William Neelin

APPENDIX

Designators of active stations

Prefixes

E	English language
F	FSK (Frequency Shift Keying) modes
G	German language
HM	Hybrid modes
M(C)	Morse code (Chinese)
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q	4+4 QPSK mode
S	Slavic languages
SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
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	E06, S06, M14, F01, F06, F06a
E07	English	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
E11	English	Poland	E11, E11a, S11a, F03, P03
E11a	English	Poland	E11, E11a, S11a, F03, P03
S06	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06b	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06c	Russian	Russian	E06, S06, M14, F01, F06, F06a
S11a	Russian	Poland	E11, E11a, S11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V26	Chinese	China	M95, Q26, V26
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, M12, F07, P07, XPA1, XPA2, XPB1
M14	Morse	Russia	E06, S06, M14, F01, F06, F06a
M14d	Morse	Russia	E06, S06, M14, 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
M76	Morse	?	
M89	Morse	China	
M95	Morse	China	M95, Q26, V26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM04	Morse	Bulgaria	PROMRCh daily schedule
UM05	Morse	France	Morse training. 24/7 operation
UM10	Morse	?	ID repeated for 10 minutes on two parallel frequencies. Messages are rare

Active digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, S06, M14, F01, F06, F06a
F02	MFSK-4/150Bd/4000Hz	Russia	
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, S06, M14, F01, F06, F06a
F06a	FSK	Russia	E06, S06, M14, F01, F06, F06a
F07	5xMFSK-16/10Bd/20Hz+250Bd BPSK bursts	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
HM01	Voice + WinDRM	Cuba	
M42	Various modes	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
P07	8xQSPK/62.5Bd/125Hz+250Bd BPSK bursts	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
Q26	4+4 QPSK	China	M95, Q26, V26
X06	MFSK-6	Russia	Several variants X06a, X06b, X06c, X06d
XPA1	MFSK-20	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
XPB1	MFSK-16	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1

Figures and words used by the various numbers stations

Cut numbers

Chinese cut numbers A U 3 4 5 6 7 D N T
(M89, M95, MC03, etc) 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

Q26 conversion F J B P G U Y M C W
 0 1 2 3 4 5 6 7 8 9

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	- . . . -
Slash /	Oblique	Cirta	
Out	Out	Konets	

Note: M03 and M08a are defunct.

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	Itnien
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
=	—					
/	—					

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	. . - - -	Comma	[,]	- . . . - -
C	- . . .	3	. . . - -	Colon	[:]	- - - . . .
D	- . .	4	. . . . -	Question mark	[?]	. . - - . .
E	.	5	. . . . .	Exclamation mark	[!]	- . - . - -
F	. . - .	6	-	Apostrophe	[']	. - - - - .
G	- - .	7	- - . . .	Dash or Hyphen	[-]	- -
H	. . . .	8	- - - . .	Slash	[/]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[(]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[)]	- . - - - .
K	- . -			Quotation marks	[" "]	. - . . - .
L	. - . .			Equals sign	[=]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .	Ä	. - . -	Plus sign	[+]	. - . - .
O	- - -	Á	. - - - -	Invitation to transmit		- . -
P	. - - .	CH	- - - -	Wait	[AS]	. - . . .
Q	- - - .	É	. . - . .	End of Transmission	[SK, VA]	. . . - . -
R	. - .	Ö	- - - .	End of message	[AR]	. - . - .
S	. . .	Ü	. . - -	Starting signal		- . - . -
T	-			Multiplication sign	[×]	- . . -
U	. . -			At sign	[@]	. - - . - .
V	. . . -			Break	[BK]	- . . . - .
W	. - -			Ampersand	[&]	. - . . .
X	- . . .					
Y	- . - -					
Z	- - . .					

See also
<http://udxf.nl/Morse-document.pdf>
<http://udxf.nl/Russian.pdf>

E11 family digital transmission modes.

Most modes are very much the same and have only very small differences.

FSK transmissions

F03a	FSK-2 100Bd/200Hz cf + 600Hz
F03b	FSK-2 200Bd/400Hz
F03c	FSK-2 400Bd/960Hz/cf +1120Hz/448-bit period
F03d	FSK-2 200Bd/400Hz/cf +600Hz/448-bit period
F03f	FSK-2 400Bd/800Hz/cf +1200Hz/496-bit period
F03g	BPSK 50Bd/1000Hz/464 bits
F03h	BPSK 100Bd/1000Hz/512 bits
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period
F03k	FSK-2 400Bd/800Hz/cf +1200Hz/448-bit period
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period
F11	FSK 100Bd/620Hz and FSK 100Bd/740Hz

PSK transmissions

P03	Undefined PSK
P03a	BPSK 62.5Bd
P03b	QPSK 62.5Bd
P03c	BPSK 125Bd
P03d	QPSK 125Bd/448-bit period
P03e	QPSK 100Bd/488-bit period
P03f	QPSK 200Bd/496-bit period
P03g	BPSK 50Bd/464-bit period
P03h	BPSK 100Bd/512-bit period
P03i	BPSK 62.5Bd/464-bit period
P03j	QPSK 100Bd/504-bit period
P03k	BPSK 100Bd/480-bit period
P03l	QPSK 100Bd/464-bit period

Notes:

- Bit Period is the time needed to transmit one bit
- Defunct modes F03a, F03b, F11, P03a, P03b, P03c

COLOPHON

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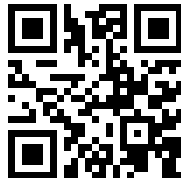
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676 27364 92656 89428 61288 74982 30498 32704 81276 81
986 48932 70987 32123 49817 26346 81287 65491 87364 81
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