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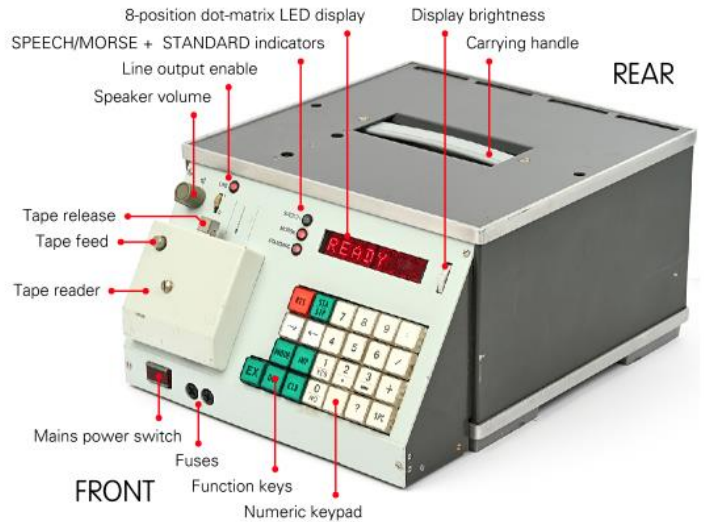
FOREWORD

Due to circumstances I am forced to limit my listening time and N&O editing time considerably for the time being. Fortunately, our Priyom and UDXF friends sent quite a few logs, and Feline Spy SWL provided a bunch of V13 transcripts. Subilo submitted the missing March UM04 and M14 files. Thank you all for your support !!! Special thanks to PY and Subilo.

F06 70202 sent many extra messages on 22-26 April. All regular schedules carried F06a files.

Tip: I highly recommend the Crypto Museum. I visited their Secret Communications exhibitions (see N&O 266, 314 and 315) and I regularly visit their website. The Crypto Museum is a non-subsidised privately-owned virtual museum with a very impressive physical collection. One of the most interesting items for numbers stations monitors is [Geät 32620 \(Device 32620\)](#), the famous DDR speech/morse generator used for transmissions in various languages and morse. (picture © Crypto Museum).

Station number information is well represented in the May edition of [The Spectrum Monitor](#). You can read about it in The European Radio Scene by Georg Wiessala and Hugh Stegman's Utility Planet. Thanks for mentioning N&O, guys!



VOICE STATIONS

E06

15645/17470 kHz, 04-04/05-04, 0500/0600 UTC

951 387 60
77985 78477 94354 41702 47791 97559 30935 85041 39628 97187
55023 53882 19076 36978 98269 49317 80843 11638 15052 22413
51127 81529 29028 75710 38906 47857 02832 80460 65832 20922
73100 20512 29443 54880 18024 98796 79345 47451 49597 67360
11082 27988 47772 66849 07364 82378 78686 86424 81346 88197
64163 80009 01651 58542 94674 99833 03806 18009 02937 33188
387 60 00000

15645/17470 kHz, 18-04/19-04, 0500/0600 UTC

951 483 62
72738 94283 15078 61254 12577 43388 53414 33329 56456 88030
41441 90411 90967 27848 85715 82159 23741 72743 69518 68795
50017 44491 04629 98744 34544 55005 66402 02764 76008 97195
91835 03020 46158 09373 45308 60545 20832 99117 81685 09508
45060 37560 61475 51735 99444 60006 97718 09933 59990 33860
39313 63030 68582 79751 20441 12090 56294 56835 30803 50227
86719 48189
483 62 00000

11487/9412 kHz, 06-04, 1600/1630 UTC

13945/11128 kHz, 07-04, 0730/0800 UTC

480 712 44
74523 34656 40764 48281 27953 54303 47493 47928 83869 52529
72419 16764 03012 85140 85797 26947 92595 57573 51427 16910
07343 09408 68168 23912 36082 07970 98632 04545 18617 31587
34697 92647 74892 76036 93694 91484 73139 13543 37829 93782
80745 14545 57341 03489
712 44 00000

11487/9412 kHz, 20-04, 1600/1630 UTC
13945/11128 kHz, 21-04, 0730/0800 UTC

480 591 42
58748 34548 03787 98259 80360 65123 50201 24940 45816 59069
43786 51091 43987 10707 84261 75065 12972 76194 78323 48328
18487 30986 35983 25692 86532 61621 78606 25281 89769 90373
31368 84218 64808 50645 90497 49178 95072 06368 30623 61060
27089 04564
591 42 00000

E07

16257/18257/19157 kHz, 1500/1520/1540 UTC

16257/18257/19157 kHz, 02-04/05-04, 1500/1520/1540 UTC

221 221 221 1 7541 107 7541 107
47899 38199 01725 56371 61435 80311 55503 93446 26716 97527
97032 30877 06377 15623 08543 43467 63862 94399 16518 89444
26787 41161 97891 98059 10935 48544 30509 84391 32975 24902
95185 64122 97993 98825 35330 11741 33050 52430 64021 48229
19893 07477 37733 84696 21659 63616 93379 41046 47383 30839
91381 91940 25230 72721 13698 35764 70176 83476 24952 53193
49061 67600 42490 78909 76914 98028 74038 30303 66989 62220
84354 17058 82731 13281 42816 95824 57474 26376 03121 60019
97714 76622 52317 58107 47553 63412 16255 71645 03684 60081
13708 47460 46499 76409 94434 10096 62240 58448 87059 58634
99055 25972 39375 52681 89445 61681 95545 000 000

16257/18257/19157 kHz, 16-04/19-04, 1500/1520/1540 UTC

221 221 221 1 459 88 459 88
00504 58744 99759 85877 65611 07462 85510 96870 50860 83467
05225 14561 15241 56716 88776 02439 77857 49409 51549 32989
16030 12075 89381 90448 99222 10287 31981 20886 85076 70611
29996 70963 41324 72048 75746 62619 64487 72668 92363 74597
02621 37798 09706 15290 11854 12624 22206 72052 59865 69475
19230 89501 37226 60314 78281 61387 59587 08316 23812 61616
99990 09703 00839 78507 92016 24346 68654 23093 69123 63800
49875 93279 40430 12049 42685 14677 77729 55398 58314 97427
78990 24098 01415 38305 53545 82583 28867 04305 000 000

16257/18257/19157 kHz, 30-04, 1500/1520/1540 UTC

221 221 221 1 6776 150 6776 150
11335 66519 11323 22613 06915 57172 91097 96903 35096 93051
43102 61044 18596 28029 51773 60209 21733 07213 17195 97210
74871 71440 87016 33311 94834 26929 03063 92321 04941 72658
33224 34982 19169 67484 17388 91552 02711 71582 45531 91306
18794 71584 27065 68631 98044 78099 70070 18855 13859 07822
87177 58872 07930 37244 40600 63916 28104 63524 59170 87674
55995 60667 41928 55192 95544 11285 42479 80515 82317 13389
54183 84112 12225 42518 06662 82118 57742 91326 48602 23149
42675 28341 75721 19925 88904 87949 38143 71244 50901 21507
11680 62266 73229 41271 75627 98783 50025 08830 78678 34177
98427 06835 50589 49537 26104 21838 81357 55151 30066 60086
82595 90120 59092 13466 57308 64285 51993 42541 65720 82525
78958 83130 68032 05679 53438 25891 86219 21132 51364 86747
51365 71163 59241 78301 66614 98828 88428 94676 81299 91993
46167 72905 10580 44074 61984 34727 98279 51074 10279 40174
000 000

16331/15831/14831 kHz, 11-04, 1410/1430/1450 UTC

893 893 893 1 7855 100 7855 100
24856 41743 39988 80986 19671 15003 51782 27542 79329 13926
94462 92441 27557 97194 40639 94272 78611 77081 93137 51478
89774 64843 69024 63503 31273 83054 44028 34186 67639 80061
67001 22979 93542 98302 63802 75075 70779 92710 88230 06469
50344 05317 78512 84664 49045 35304 98997 44403 01746 69642
50141 77184 91932 70896 10249 01117 89383 78156 69098 38660
25881 15753 77335 61787 56665 87467 69266 35751 00778 48075
86047 65438 66330 78907 36651 43356 79342 75756 71518 94864
04652 92728 42571 41078 26953 33965 15187 72510 03997 15124
36195 39885 18446 27871 92017 81528 39227 11275 29753 32387
000 000

16331/15831/14831 kHz, 25-04/27-04, 1410/1430/1450 UTC

893 893 893 1 103 127 103 127
29643 42770 58195 77597 54837 49325 30127 06479 04839 46926
09243 14201 46040 60172 95264 77807 06955 04161 51623 50342
76985 77849 68348 64872 57471 06145 18037 24728 29498 89388
73899 57003 01797 98932 23944 31989 86590 06204 57658 48540
42273 77496 44517 75934 95233 35051 03230 48467 26183 42598
92915 74642 32381 54377 24242 65366 89571 94737 93296 78261
64753 26054 27182 59164 37435 42060 14942 52101 00341 90233
40766 56109 17662 62295 37252 79950 36760 44901 27973 73041
69280 81799 33178 74903 55500 49109 46903 95772 99896 93250
08799 57295 37999 25636 98074 45903 42197 83906 86216 82224
23330 12780 73453 69529 70648 78665 89358 97086 45244 43494
58571 45572 09344 98403 81157 31131 04584 68188 20107 54383
10336 15955 48466 22492 31887 16623 50682 000 000

E11a

15632 kHz, 01-04/03-04, 0715 UTC

755/34 Attention
35220 47018 56460 84798 10594 28198 03356 89647 39669 84984
72568 88606 56360 44455 35984 72059 39245 72412 18406 42468
50236 96060 69509 83332 65151 61861 74744 87415 02813 02789
25623 69128 01369 18716
Attention (message repeated) Out

12202 kHz, 01-04/03-04, 0845 UTC

714/35 Attention
03071 73450 87902 57889 15893 72420 12343 61194 71604 96521
74683 48981 00925 70175 07386 82156 37238 31031 84665 74702
26021 38547 10329 52589 93051 73276 16359 68141 07948 52117
44668 91336 66388 57765 26051
Attention (message repeated) Out

15720 kHz, 02-04/05-04, 0715 UTC

630/35 Attention
91964 58448 99562 38175 15722 71359 30468 12503 19675 93453
40274 95755 76655 16558 62501 59057 38087 35876 14133 70776
96713 31496 59181 45158 84461 23088 60155 79263 28194 16411
79790 55240 19643 44045 99976
Attention (message repeated) Out

14865 kHz, 02-04/04-04, 0745 UTC

221/40 Attention

26555 18245 34792 64659 57477 73147 19430 72398 45188 51335
15103 97213 91482 84663 03690 93422 11008 55363 26247 01782
37513 84006 39610 25866 04484 05940 96717 48318 37692 53791
90372 07273 34952 92110 85784 71162 95410 82217 69964 80808
Attention (message repeated) Out

18168 kHz, 02-04/04-04, 0845 UTC

159/35 Attention

31919 18607 68292 08591 41571 68340 92643 18518 69579 34023
26333 94199 94562 57962 87025 66033 31876 28449 21009 61823
25117 21065 51289 76610 05466 42765 30671 83677 90622 09973
28536 93006 89283 87908 41152
Attention (message repeated) Out

9951 kHz, 02-04/05-04, 1000 UTC

309/37 Attention

85485 45277 88946 46079 83912 41376 03219 74770 37390 91088
34442 23729 76989 97103 46616 22336 24552 07638 47062 96772
14259 37265 53200 58513 17072 45304 24193 16474 04194 76914
99401 35682 75809 82778 85093 64248 56757
Attention (message repeated) Out

9399 kHz, 02-04/03-04, 1205 UTC

461/40 Attention

02566 43270 73496 37007 63363 18865 68811 97596 40857 19345
57275 56849 48667 97163 23982 11871 83499 87006 90251 26239
64726 93007 09348 26822 28107 32522 21904 45872 85440 60483
97707 48480 77652 45845 32128 04440 78000 55751 42369 57947
Attention (message repeated) Out

4181 kHz, 03-04/06-04, 1610 UTC

394/37 Attention

09087 20089 90557 17320 26604 45855 72009 32226 11283 68369
25107 91633 08220 14801 82645 34473 47416 93393 05174 41786
75911 10863 45571 59265 33052 05420 56102 20185 03626 67663
25619 43450 17440 70033 10632 51174 46987
Attention (message repeated) Out

5737 kHz, 04-04/07-04, 2000 UTC

528/34 Attention

47847 43394 97703 13781 17238 29296 44209 67550 88480 20926
02076 57261 58354 41231 05194 53416 03971 73178 41256 06937
96535 35409 08616 56846 65186 49811 34579 18152 59572 15336
68991 85339 15752 73646
Attention (message repeated) Out

8530 kHz, 05-04/07-04, 1910 UTC

611/36 Attention

37285 59745 90301 54349 29045 37538 72370 02885 91278 67558
07703 39564 65678 73891 49504 60238 74992 23239 25624 68435
04227 19541 69683 71619 92370 48371 15962 94412 43351 49203
30016 71300 82849 71159 01694 60044
Attention (message repeated) Out

5371 kHz, 08-04, 0450 UTC / 7864 kHz, 11-04, 1730 UTC

412/40 Attention

04301 34653 26495 92494 15359 08238 21437 82363 83102 66893
88277 59562 14326 57252 06715 00757 76261 94981 22754 77991
08150 14503 64165 19179 51421 46620 13674 03278 53801 04949
09678 41264 28133 31726 87155 82394 44368 87613 53831 81843
Attention (message repeated) Out

20170 kHz, 08-04/12-04, 0830 UTC

185/30 Attention

87960 35549 53011 27703 12596 04986 05692 08512 38503 91171
51769 45661 69701 31697 31922 89757 89803 42381 22482 18458
80347 98114 52739 43125 91345 59412 40950 00069 65502 78935
Attention (message repeated) Out

13117 kHz, 08-04/10-04, 0900 UTC

534/36 Attention

70220 05039 59984 56514 90831 22228 21213 54557 04278 61039
38286 37488 33719 26446 65130 06090 60191 92217 55849 30550
57227 31342 08185 02066 67421 16061 74839 69617 47258 51991
20313 67936 67020 03671 51547 11969
Attention (message repeated) Out

7317 kHz, 08-04/11-04, 1900 UTC

641/37 Attention

48317 35847 81703 37043 67524 25017 24035 16180 63607 41025
00607 33085 11025 24098 02745 83137 21495 11477 00715 41556
90820 15263 79800 31238 88201 45711 82882 15080 49422 03438
69035 49902 26923 14937 64175 11647 14318
Attention (message repeated) Out

14972 kHz, 09-04/13-04, 1430 UTC

912/37 Attention

31003 35803 25359 00304 42368 65685 24693 21925 92174 22803
61670 86807 73761 69546 35983 34929 95025 28980 35648 55228
04622 50616 20060 60374 39361 72671 18132 39433 30616 29531
70128 25970 00693 82763 40976 73367 71486
Attention (message repeated) Out

6940 kHz, 10-04/11-04, 0930 UTC

277/34 Attention

11484 42946 63692 73214 66929 00631 95900 08207 14701 53951
59374 09137 10745 40574 49102 42486 60638 73925 99314 09782
49983 35948 33213 69636 50820 43235 86455 49296 83236 37741
47751 38965 04766 95410
Attention (message repeated) Out

6807 kHz, 11-04/12-04, 0820 UTC

434/33 Attention

97151 23703 48042 09297 40682 66046 02847 71216 50295 16401
59095 31963 72731 07534 09563 25138 46131 72192 84185 34347
97035 70260 94147 06600 56192 39916 34886 25078 54705 96116
79024 54488 12589
Attention (message repeated) Out

9079 kHz, 13-04/14-04, 0700 UTC

498/40 Attention

08194 86738 87575 15561 60197 62799 82119 66995 69529 99966
80836 81949 68662 13309 03373 51222 97317 01793 24232 04053
26471 39710 04410 93563 55479 06477 27212 13119 61116 59481
12160 13564 55192 65075 42916 71585 43340 43856 72081 16696
Attention (message repeated) Out

11581 kHz, 15-04/17-04, 0315 UTC

255/32 Attention

26388 27349 87858 31061 60060 04049 69028 21983 75542 49393
33852 13783 62407 79601 74642 75888 80691 06265 63039 65989
19121 49016 27730 71836 73042 39612 16027 64230 53806 10268
26626 98847
Attention (message repeated) Out

19515 kHz, 15-04/17-04, 0600 UTC

948/25 Attention

67324 48269 38436 13116 62812 50784 00368 17418 32050 73341
40194 79200 84079 15025 76191 53924 33663 06866 66969 61799
20603 98994 84156 52289 17674
Attention (message repeated) Out

12385 kHz, 15-04/17-04, 1045 UTC

693/30 Attention

73601 60953 24767 18191 71610 49310 27685 54318 57591 14547
94784 09140 79604 62296 43848 83097 88670 52644 30950 08759
79196 03349 98352 16232 00209 48659 30776 60758 06853 69924
Attention (message repeated) Out

5371 kHz, 15-04/18-04, 1300 UTC

314/36 Attention

62698 69544 91604 05956 27406 55770 70863 64324 12876 42137
47472 51773 27764 90193 75433 37350 66642 07001 12903 51993
73325 16395 13570 31196 45042 66169 46202 92242 39157 31688
80762 77759 55564 04222 76154 60721
Attention (message repeated) Out

8423 kHz, 16-04/18-04, 0645 UTC

518/31 Attention

39585 47193 35401 50617 64581 44161 09081 09645 07675 96709
12578 97143 91286 50596 11828 53342 27888 01655 35786 83850
78186 03091 76833 68361 66140 22270 50869 74024 03192 64749
70952
Attention (message repeated) Out

8180 kHz, 16-04/18-05, 0700 UTC

575/35 Attention

67898 69334 98379 95493 44223 13626 82416 62437 06089 47760
45404 38738 37709 43265 76060 29586 62702 46612 66974 88738
16688 89268 64889 16265 41592 33142 26209 48304 10949 69317
27548 93293 49388 52677 53133
Attention (message repeated) Out

6923 kHz, 17-04/19-04, 1715 UTC

976/33 Attention

34098 46847 12357 73444 94674 61154 16208 25448 12055 19585
89936 46721 64323 04923 11506 81738 40797 98341 84251 40689
20390 41893 81320 09938 15152 57975 22744 98707 16521 57987
59089 82597 97957
Attention (message repeated) Out

8680 kHz, 19-04/21-04, 0600 UTC

350/36 Attention

65690 78164 66611 13133 10318 58868 84899 14347 72408 10819
39309 19381 99404 15431 32555 21766 49854 29907 29660 88868
63817 54575 88633 42005 80688 21593 19114 89282 22164 91583
34358 03132 29876 50732 98441 01899
Attention (message repeated) Out

13470 kHz, 22-04/28-04, 1745 UTC

245/31 Attention

76080 79003 15223 73805 61136 84588 15380 95433 46658 55389
14057 89078 48183 49771 71741 46835 71651 72391 55173 93016
18950 70869 35299 19178 50947 89033 81220 54211 96409 60840
09406
Attention (message repeated) Out

17410 kHz, 24-04/26-04, 0745 UTC

344/33 Attention

18133 33985 04101 73589 82588 22354 79910 72602 57375 50955
11333 32245 98340 60938 21276 13820 94397 96548 35587 04831
76820 52583 58395 36813 31505 58077 59687 49294 43724 65351
23477 37170 82150

Attention (message repeated) Out

19184 kHz, 23-04/24-04, 0820 UTC

136/35 Attention

06876 49351 11151 24322 89407 87368 37491 72511 73759 58020
76959 39371 05348 83070 11471 97128 30395 86798 22449 77368
59934 67755 51336 08064 61516 63527 40470 79676 09804 25969
84766 74537 88837 27179 88809

Attention (message repeated) Out

12530 kHz, 23-04/25-04, 1230 UTC

337/31 Attention

49394 72726 26908 53069 12367 83927 00988 60240 32117 73767
46345 51970 07461 70788 04885 72651 83108 46918 42243 96585
06064 85340 75507 50848 86190 00807 65770 82752 28240 84215
86102

Attention (message repeated) Out

10213 kHz, 22-04, 0745 UTC

10330 kHz, 25-04, 1530 UTC

269/32 Attention

43839 44626 94967 22444 62132 48446 26870 51590 78901 25784
46165 93857 44143 88416 98006 48350 99559 10594 74664 27920
86326 37333 52536 90423 50321 60146 90005 22145 80383 89654
83717 54288

Attention (message repeated) Out

4505 kHz, 27-04/28-04, 1645 kHz

368/36 Attention

63158 91800 48507 38319 31546 24140 14029 12647 75007 10297
39136 31515 88666 84723 23746 11465 37625 86652 30347 11783
14794 47944 04035 96930 84802 82923 82487 20566 68291 13313
14101 57013 36629 01067 95222 99854

Attention (message repeated) Out

5176 kHz, 28-04, 1605 UTC

237/39 Attention

29838 88440 82766 12766 24399 55310 95691 47571 71245 88568
66465 84374 41177 84675 42534 85575 83201 76993 26977 40971
04971 59050 81091 56281 35010 33246 50291 17791 84188 84953
43393 07802 20653 55479 83578 95606 82035 89815 21426

Attention (message repeated) Out

11116 kHz, 28-04, 1815 UTC

929/30 Attention

80775 43994 29404 88439 67937 81944 41116 64608 01349 36437
69101 18074 57129 34190 71082 34318 58575 08768 25449 89268
31956 10163 93100 33431 51871 68365 03958 10696 77855 79232

Attention (message repeated) Out

Test / training transmissions

10755 kHz, 03-04, 0710 UTC

975 (24m30s) silence (5m22s)

975 (9m15s) 341 60

62934 60409 50147 02370 64780 26401 22801 73565 32539 84941
 18437 87381 84802 87068 57633 48748 31352 82350 66540 54891
 65709 50382 78065 20030 82388 55804 50740 88460 36050 12802
 34951 84450 84723 70005 41217 72389 84317 51750 90209 25630
 26570 16612 49197 27458 37657 19168 84599 52632 79621 85921
 85350 02921 21830 41319 36742 95086 74634 44803 49443 24747

Silence (7s) 975 (R18s) silence (14s)

975 (R3m40s) 341 60

62934 60409 50147 02370 64780 26401 22801 73565 32539 84941
 18437 87381 84802 87068 57633 48748 31352 82350 66540 54891
 65709 50382 78065 20030 82388 55804 50740 88460 36050 12802
 34951 84450 84723 70005 41217 72389 84317 51750 90209 25630
 26570 16612 49197 27458 37657 19168 84599 52632 79621 85921
 85350 02921 21830 41319 36742 95086 74634 44803 49443 24747
 341 60 00000

10755 kHz, 04-04, 0640 UTC

975 (R57m)

10755 kHz, 05-04, 0630 UTC

975 (R2h27m) 483 62

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
 90130 47835 78320 17652 59212 68404 30699 95864 75122 88501
 15957 76217 33433 68800 65859 46029 15126 96216 76509 61167
 70471 22296
 483 62 00000

10755 kHz, 09-04, 0714 UTC

975 (R4m) 241 60

29354 56354 32430 68217 99295 16005 silence

975 (R) 241 2 silence

975 (R) silence

975 (fast version) silnce (1m52s)

975 (R2h4m) 241 60

29354 56354 32430 68217 99295 16005 34213 63796 55747 17123
 64452 90104 22112 19460 10656 03400 48313 90788 77393 30023
 58506 89151 16272 10014 37926 40903 34912 35755 94849 94241
 83373 77821 58589 52923 41444 15221 99452 19833 55266 12221
 81621 05111 96694 08990 84870 78506 43866 07904 56079 70678
 06381 43739 76456 53085 43565 68200 55438 51193 49224 67719
 241 60 00000

13547/12093 kHz, 0930/1030 UTC

13547/12093 kHz, 03-04, 0930/1030 UTC

480 539 41

58198 60797 09721 74936 64629 39531 16580 60560 93468 73873
 97342 98939 26148 78629 09259 37362 45604 03289 93423 24182
 08590 91839 69380 85201 68486 09809 36743 30124 61314 15723
 15854 61585 64179 14626 38213 97165 20350 93070 78974 18391
 95364
 539 41 0000

13547/12093 kHz, 10-04, 0930/1030 UTC

480 936 45
78413 23040 85686 98079 75727 50716 18973 10941 69737 43740
01096 32839 56161 31017 47136 14976 17826 03747 41235 04842
12413 86378 96236 46101 60258 30746 15847 56970 98753 08594
41570 37381 84647 38260 93604 04625 76429 70937 63509 89248
34078 37054 52180 38514 23879
936 45 00000

13547/12093 kHz, 17-04, 0930/1030 UTC

480 236 47
12768 01125 35079 50736 34856 16569 62606 63695 79254 01470
29013 45862 34787 72851 62672 78904 90813 81619 12406 05414
93809 97670 35636 18497 79718 91568 20869 49284 84251 65180
83031 52093 43621 35863 34735 72670 16814 31527 29894 90868
92415 12508 54079 89070 32748 90150 63845
236 47 00000

13547/12093 kHz, 24-04, 0930/1030 UTC

480 627 43
02170 58970 73720 89034 76217 61374 89696 39157 45930 42852
78981 23796 24916 82651 29196 07570 43586 14347 81517 09142
16758 02391 71586 51672 60653 43909 84152 87563 62569 89759
97917 59246 31507 70436 13720 57172 60147 69250 96097 76065
62397 80214 32386
627 43 00000

11487/9412 kHz, 1600/1630 UTC
13945/11128 kHz, 0730/0800 UTC

11487/9412 kHz, 13-04, 1600/1630 UTC

13945/11128 kHz, 14-04, 0730/0800 UTC

480 751 42
59079 23040 07305 47092 58606 46325 53670 71432 76015 51570
15638 02727 74315 94510 08374 40905 38401 18962 06518 89861
68414 65383 71472 09354 95125 28450 50628 80424 54632 30239
50136 38403 84620 46041 34707 34094 85387 16816 23542 24809
72587 69874
751 42 00000

11487/9412 kHz, 27-04, 1600/1630 UTC

13945/11128 kHz, 28-04, 0730/0800 UTC

480 319 45
50273 54250 82137 85381 39327 93549 64684 58950 40751 14648
96194 27372 41026 29516 19541 29256 58129 34356 30186 53240
20734 30261 81275 65736 79693 21457 52307 37376 81835 65384
29637 46925 30940 69781 63020 81875 17917 07231 20570 84030
13205 06319 49826 31349 05648
319 45 00000

Pacific schedules

11616/9322 kHz, 01-04/02-04, 0400/0420 UTC

480 239 51
98027 43186 35696 13971 19745 24434 71166 67066 11898 58335
05072 52251 84373 94781 64197 65047 97766 26671 37608 48702
32933 56399 02886 94130 34463 31989 00516 80583 57770 01285
98597 67978 74479 57647 15087 76819 15810 75594 89730 16665
58620 59816 22908 49055 83833 56009 23550 95857 61899 96965
33322
239 51 00000

11616/9322 kHz, 03-04/04-04, 0400/0420 UTC

480 516 24
67763 12805 27450 85879 19092 90806 04232 03539 75676 12724
96572 17991 06483 33612 05900 42099 79519 86946 41762 09421
66642 27396 29414 80884
516 24

480 793 28
48886 92529 14284 24350 24252 12059 19854 63984 42168 04570
18046 38122 53669 90640 13788 56547 08327 96422 04306 12779
85733 54823 03819 01334 50531 24374 56624 76870
793 28 00000

11616/9322 kHz, 05-04, 0400/0420 UTC 480 480 480 00000

11616/9322 kHz, 08-04/09-04, 0400/0420 UTC

480 526 51
47950 88249 65578 97820 44166 12337 14245 48218 61060 69285
01129 92056 21010 41077 61596 08490 06380 47510 09563 16685
35927 72004 85243 08311 96002 61322 72526 28172 12465 28909
34415 45177 74256 16534 39980 80818 44585 93913 81242 87370
20629 01019 03444 92969 27724 62743 97131 55789 58952 30614
25491
526 51 00000

11616/9322 kHz, 10-04/11-04, 0400/0420 UTC

480 137 24
95515 69253 47823 26928 62941 16475 31576 69763 26656 28721
91151 09256 81710 39518 60555 22349 22374 42945 98842 22555
82391 13656 83932 97786
137 24
480 259 31
73446 69379 04832 13873 07273 86644 27416 86125 55329 11590
28871 44135 34498 30260 22596 45789 63669 59451 79268 52949
69525 94363 58850 60216 74056 64942 86036 40959 68503 24347
86370
259 31 00000

11616/9322 kHz, 12-04, 0400/0420 UTC 480 480 480 00000

11616/9322 kHz, 15-04/16-04, 0400/0420 UTC

480 671 54
75067 05073 58756 73417 42722 18065 08164 96869 13055 90070
44789 37519 76457 70676 79739 41691 93546 82860 02386 03684
47988 80867 38516 00255 37703 99982 67948 22475 52889 40388
12572 59635 14295 52291 30715 14891 70189 14503 78819 57329
75452 23671 26319 40149 01241 36331 34688 39651 48651 30995
36588 94702 64830 82428
671 54 00000

11616/9322 kHz, 17-04/02-04, 0400/0420 UTC

480 392 18
31464 72697 67913 38482 34975 16776 52858 45627 81159 91677
05765 94647 11099 77597 76518 54476 42002 98240
392 18
480 567 42
43378 02830 01439 45704 70404 72241 05342 76667 18712 62382
04829 46842 77324 14351 60261 07325 23184 95145 93129 73057
43475 78077 31870 70674 68608 76402 23800 16912 58027 41122
67849 01027 06038 58878 47784 69652 59843 10880 70601 37535
66976 78805
567 42 00000

11616/9322 kHz, 19-04/02-04, 0400/0420 UTC 480 480 480 00000

11616/9322 kHz, 22-04/23-04, 0400/0420 UTC

480 123 50

78895 80034 61461 20313 63528 01174 06158 84401 15035 54148
48902 90920 28685 13126 24678 10457 10813 51748 86523 07404
54348 64530 31312 62580 20701 20008 84213 89322 88916 50305
65295 60203 85067 06816 86681 86594 13800 36687 53716 18246
94975 59794 68575 55071 21354 50883 59748 88329 68241 56581
123 50 00000

11616/9322 kHz, 24-04/25-04, 0400/0420 UTC

480 579 60

47481 56518 86398 81366 19526 29289 09773 79728 38228 54432
79475 77389 18251 43122 15714 72034 06303 95284 25023 05885
36210 68704 14566 80945 23933 47845 04971 66936 25958 29557
27640 31582 09501 67875 17466 47958 07976 45080 36900 58568
60148 61218 92303 00853 56415 59266 28517 23806 40656 28130
12603 50401 41086 50658 42669 65495 28550 88867 42742 33917
579 60 00000

11616/9322 kHz, 26-04/02-04, 0400/0420 UTC 480 480 480 00000

11616/9322 kHz, 29-04/30-04, 0400/0420 UTC No transmissions

S06c

4643 kHz, 03-04, 1230 UTC 11513 (R4m)

A strange one, logged by two different people so it must have been correct. Maybe from further east in Russia? 513 is an unusual address too. (PY)

S11a

6480 kHz, 01-04/05-04, 0915 UTC

480/31 Vnimanije

85624 36655 36228 42073 79862 02856 18136 84660 42869 07981
78786 96784 49962 64088 53959 34014 34279 35162 47270 88741
32509 24655 61675 23537 47301 44125 45508 66864 00510 78380
27028

Vnimanije (message repeated) Konets

11420 kHz, 02-04/05-04, 1400 UTC

429/37 Vnimanije

69381 59552 17003 66094 32840 75980 79593 60832 66703 44947
22327 41260 59875 62556 24258 57013 41541 49412 02242 83276
75122 94408 28796 10737 51530 97028 22580 39289 37702 94562
54913 55983 83113 72771 64743 34148 35697

Vnimanije (message repeated) Konets

23004 kHz, 15-04/17-04, 0510 UTC

658/36 Vnimanije

39904 08726 40603 66558 13051 84373 20226 94457 66799 47245
65556 18069 12339 22878 60643 04088 44180 36741 27165 18981
58062 48333 97247 63974 29233 10618 49320 80533 06795 73009
37340 99518 52386 55041 10375 03190

Vnimanije (message repeated) Konets

10728 kHz, 16-04/18-04, 0445 UTC

790/32 Vnimanije

15524 51035 99491 55622 35242 52680 69807 78293 24864 43388
46106 81786 10947 02740 13119 98778 49225 73715 06630 78969
80653 20104 59681 51897 50852 42689 87847 81601 53898 16753
61042 10823

Vnimanije (message repeated) Konets

21854 kHz, 17-04/19-04, 0725 UTC

383/38 Vnimanije

04051 91074 20952 88904 48388 82934 43452 45289 09088 50113
45218 85992 64451 89470 87713 17417 55543 95638 84915 73320
10416 40854 51454 36608 05790 20941 62503 76133 78360 96093
49854 49032 79791 89994 63310 97017 84496 26366

Vnimanije (message repeated) Konets

10213 kHz, 17-04/20-04, 1850 UTC

284/34 Vnimanije

49476 35274 79217 12446 98803 29311 45439 29731 21440 32835
98836 63642 40381 80840 87577 77185 19900 04476 61064 21795
25091 34609 69453 30848 42957 35069 47399 95480 35706 31636
55496 48431 87996 64513

Vnimanije (message repeated) Konets

6433 kHz, 20-04/21-04, 0830 UTC

370/40 Vnimanije

62399 60379 84096 49453 43329 38925 56338 89185 30927 32720
22633 27305 41755 92801 47240 63569 54024 86282 14583 18275
35311 44494 98764 94850 94552 67703 33392 55662 26093 37134
65321 94655 24742 98637 35916 26930 22581 33980 01531 49065

Vnimanije (message repeated) Konets

8597 kHz, 22-04/25-04, 0700 UTC

479/40 Vnimanije

36122 05645 40201 30635 32209 30322 28165 17410 86272 83659
52898 79739 17415 14105 32647 96799 54018 63735 70868 86737
39971 70495 03089 79607 00909 36259 55372 13542 11918 80338
33911 41988 85053 64018 10073 81747 04779 29565 67314 57517

Vnimanije (message repeated) Konets

V07

17431 kHz, 07-04, 0200 UTC

414 414 414 1 4128 36 4128 36

08806 82010 36771 98377 66555 61706 50745 74678 49791 29967
69397 55164 28811 19549 96923 64606 94685 22439 75565 03087
48104 71646 70749 25783 80511 44510 15583 93775 85484 94350
67128 80122 08880 12071 29337 27717 000 000

17431 kHz, 14-04, 0200 UTC

414 414 414 1 435 114 435 114

92758 68826 24458 08621 70929 00432 52502 80477 29717 51120
72370 03130 35429 61894 65723 62385 26263 54883 57558 75484
90762 57402 25094 62854 20818 10740 62868 61412 53707 38706
01496 99840 53578 64948 68265 12218 54430 62486 16915 97990
86236 09137 03712 91063 72849 54287 52672 83687 12245 42102
61616 18656 92251 18012 70650 15204 28277 73540 48442 61071
13116 64912 14970 57487 53608 31126 90348 31856 73553 50066
22872 77888 47680 03457 29932 27423 91084 88695 31837 90437
16315 76141 84125 59457 27936 15994 96947 16705 74834 06015
15275 26609 98636 61053 13184 52382 23166 72770 13576 91727
99657 73216 71481 06438 89130 42883 57725 80154 13222 23478
81838 45692 78337 82764 000 000

17431 kHz, 21-04, 0200 UTC

414 414 414 1 6109 64 6109 64
77868 45816 90462 85451 70826 19139 30016 67967 63676 01816
08553 02428 88937 45451 05077 69226 15277 41292 59808 59794
37188 29789 49742 99166 57661 57926 92150 99809 38022 09115
46643 83317 70978 15454 86280 89853 10001 75122 62387 00873
76728 30774 52423 78167 55277 42183 09732 00749 51637 42066
04876 04398 39266 29188 48805 76521 48696 03828 96097 61365
47809 86168 91295 04091 000 000

17431 kHz, 28-04, 0200 UTC

414 414 414 1 4293 65 4293 65
78005 84618 13354 72026 25069 04868 08829 50389 47499 00427
63519 89549 68235 27660 17785 90658 21481 29037 79028 81259
87012 49100 11660 19985 16571 50894 72520 38910 75231 02385
57416 50722 53499 49170 49880 19984 42351 65783 65459 68257
83982 80711 44451 81123 37933 59937 92537 37184 12497 25480
11778 13969 35450 42120 14346 64920 81278 94491 69803 74977
38129 75749 62718 98523 43661 000 000

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

15890 kHz, 01-02, 0000 UTC. New Star Broadcasting. Station 3

18040 kHz, 01-02, 0100 UTC. New Star Broadcasting. Station 3

Agent IDs: 5912, 6173, 7713

Group Counts: 30, 35, 33

9748 9733 0972 4825 8226 4208 2164 6363 6091 8137
4488 4431 1600 3117 6229 5808 4905 3100 6997 7145
0301 8251 6754 7373 7248 1411 6845 6450 9096 3148

7115 7363 9490 3871 4192 7649 5854 9703 9082 7170
9907 5338 4390 2723 5571 7145 4663 5726 0146 9552
8778 5786 5752 2285 5270 0575 5212 6248 6540 4992
2556 8511 8811 8761 4027

0038 3299 0885 4077 4146 8186 4186 1252 1334 5127
1339 2227 6764 7792 9700 1993 3293 1958 4178 6075
9343 4746 4480 1638 9219 2223 0602 3004 8369 8258
3144 6620 0447

18040 kHz, 02-02, 0000 UTC. New Star Broadcasting. Station 1

Agent IDs: 1738, 4962, 7143

Group Counts: 30, 31, 35

4540 9420 0280 0603 9997 0016 1077 2068 6269 3613
4771 2578 7133 3113 9947 1729 3390 6011 0597 3843
5124 6879 7644 7019 9811 5455 8201 8523 2325 2051

9499 9471 3377 3327 7794 2688 8306 0988 9502 9279
2954 4554 4618 0613 7491 1498 1595 2391 1538 0091
6472 5655 0906 9718 9503 7782 9900 0256 5667 7124
3080

1589 9797 7401 9187 3516 6870 3184 8024 0853 6897
9899 3948 5358 4676 6857 6236 6519 4600 7269 1040
8885 5196 3616 3733 2471 0215 7661 1875 0382 1448
5638 2559 7532 9701 2553

20025 kHz, 02-02, 0100 UTC. New Star Broadcasting. Station 4

Agent IDs: 2043, 8541, 8596

Group Counts: 30, 35, 31

3461 2669 8130 6339 8209 3045 5838 2391 5487 0340
1663 2991 1171 3963 8483 0594 6742 1479 9091 5515
0844 6441 1993 2004 3956 1383 0811 9276 4911 6288

0117 5680 9740 4807 4920 6749 5168 7242 8310 1731
4818 4177 5708 5585 4037 4310 3144 4120 1912 1892
7445 6572 7761 0298 1980 0373 1185 9333 8032 8263
5258 1014 7286 2065 0332

9917 3099 2513 6976 6720 3226 7116 5569 5953 5899
6768 8030 1862 2138 5342 2740 6805 3222 9664 7663
8524 1635 3017 8000 9642 4639 3292 9301 6488 3664
5065

15890 kHz, 07-04, 0000 UTC. New Star Broadcasting. Station 3

Repeats on 18040 kHz at 0100 UTC

Agent IDs: 4123, 5326, 5758

Group Counts: 33, 30, 30

2180 5951 1046 9179 3388 1760 2898 1182 4688 6113
4801 2807 8298 0711 0013 0939 8126 1909 8962 0683
3620 7582 9785 1782 5839 7199 2449 3499 1168 7610
6909 4874 2633

2819 0671 1476 5687 3347 5052 0448 0863 0683 9584
2306 1283 3088 8386 7218 8088 1332 5451 1407 8373
7652 3422 9184 7343 1785 7820 2785 5015 8025 3983

5741 9359 5608 0196 0810 8773 4413 5375 3268 1921
3892 5337 0875 7109 0721 6713 2018 6392 0749 2760
4131 9079 2537 6970 3574 4650 5533 3036 2970 4130

18040 kHz, 09-04, 0000 UTC. New Star Broadcasting. Station 1

Agent IDs: 5333, 6030, 9180

Group Counts: 31, 30, 32

0034 9135 7418 9066 5864 7732 1577 9284 0362 2146
8704 3373 7658 6439 5070 8659 5501 9338 6318 0783
4688 5649 4611 1867 3057 4959 9166 0623 8562 7471
6364

7912 0373 2230 1105 1874 4026 5712 1856 2345 8843
6074 6843 3231 0647 8453 3051 9976 8200 5631 0115
5752 6930 2359 9066 6761 9392 9105 5000 0378 4951

3794 3660 0164 7486 9167 3931 2860 3417 7291 7220
2936 3029 5818 7838 1057 8897 5913 1792 3459 0395
0449 6482 0966 5422 2733 3603 2786 3994 6339 9595
6067 4622

18040 kHz, 14-04, 0000 UTC. New Star Broadcasting. Station 1

Agent IDs: 2147, 4736, 8289

Group Counts: 33, 34, 32

3844 6949 5548 7399 2736 2720 3922 4123 6195 1694
9757 9441 9073 6783 9378 0323 4882 7407 2393 7261
0748 3481 0582 8341 0436 3535 4759 6511 3101 9446
6926 3195 3640

3561 5926 3631 9052 8630 6205 7126 2721 5599 9535
5840 3541 7342 7900 9568 4914 2856 9968 7012 9985
9689 2615 6855 2868 8285 7151 4498 6131 2560 5508
9541 0501 9710 3456

4111 3968 5392 0325 8033 9826 8758 2916 9524 5497
2236 6005 0386 3195 6793 0462 4498 2639 1199 0838
8253 5219 4215 9200 8884 1121 8309 6788 1438 8662
0232 0028

15890 kHz, 14-04, 0000 UTC. New Star Broadcasting. Station 3

18040 kHz, 14-04, 0100 UTC. New Star Broadcasting. Station 3

Agent IDs: 1020, 7436, 8823

Group Counts: 33, 31, 32

0871 3837 4175 4081 7606 9295 5610 8300 9454 6978
9842 2813 8501 5984 1438 7978 6037 4349 2520 8996
8391 3557 2311 7007 7976 6290 0504 5885 0636 1918
3891 2174 4883

6729 6919 1079 4534 9964 7064 6754 2901 1282 1313
1734 2804 9963 9030 5190 4326 7254 4790 5460 3739
6418 8966 5887 1269 9418 2671 9579 5255 1567 4475
0439

8191 5435 3638 5494 5003 4427 1827 9019 1546 1272
9626 6044 9317 5537 8414 4915 7203 2000 9449 4055
4341 5506 9934 1985 7168 2054 2752 2455 9121 1389
4323 8275

18040 kHz, 20-04, 2358 UTC. New Star Broadcasting. Station 1

Agent IDs: 4587, 5158, 5568

Group Counts: 30, 30, 33

7884 2980 2755 9510 3582 3577 6944 9023 9671 2948
7720 2371 2411 7094 8527 9978 3746 3055 7042 7619
8206 4330 5696 9324 8828 5171 9956 0443 2222 2910

8783 9711 7743 4594 1154 3581 4439 8483 8055 3045
7843 7550 5013 6218 7272 0140 0218 1187 5495 0829
6492 5676 6571 6974 1808 1398 6423 0921 9360 5843

5817 1771 1433 0579 2334 6551 9183 1829 3147 8105
7495 7711 2006 3625 6038 7123 9941 3938 3720 9516
2092 3952 3734 4016 6422 9710 8729 9319 8342 2007
3961 6307 2765

18040 kHz, 22-04, 0100 UTC. New Star Broadcasting. Station 3

Agent IDs: 2989, 5244, 5919

Group Counts: 34, 35, 35

7290 5535 9955 8845 7163 7206 7270 5547 2090 0346
6111 7188 7045 7879 3540 3591 8087 4444 2493 8730
6710 2625 6599 6145 4113 1759 0300 4642 0571 5167
4997 5444 1885 6481

8782 5003 7447 1457 5990 0840 3986 8238 7832 4182
7602 2162 2281 4464 3699 8678 9931 9659 0842 0261
0552 9723 5272 6287 5312 3409 1044 9018 7148 7029
3607 4443 0031 2353 8226

5564 0046 1915 2371 5041 8175 0860 5686 6374 5474

9834 4341 5148 5480 8764 6599 4582 5567 1005 0466
8456 4683 2271 8865 6225 0149 3799 5919 6033 3915
3184 4535 2464 3254 9862

13974 kHz, 23-04, 0200 UTC. New Star Broadcasting. Station 2

Agent IDs: 1628, 1722, 9994

Group Counts: 32, 31, 31

5814 9039 1580 7468 2557 0998 5749 6225 5063 4999
8499 8151 1796 0480 1365 9343 7712 3846 9860 3285
6340 1567 1571 3839 4210 8991 2776 2999 9606 2909
6571 6384

6398 9336 4467 1788 2459 4675 5765 2351 5981 9945
3904 4927 4954 9004 7475 6767 9928 2257 3164 8636
4184 9065 6949 4575 7353 2523 7488 9879 0669 3853
6913

9194 5574 9957 2726 2789 5793 6290 8868 1376 5696
6869 8803 8560 2507 3066 7280 3745 2460 1831 9317
4952 8323 3149 8757 2726 5276 6182 6317 3070 6760
8641

15890 kHz, 29-04, 0000 UTC. New Star Broadcasting. Station 3

Agent IDs: 0186, 0290, 0426

Group Counts: 35, 30, 35

0520 9860 1858 7503 7971 1644 3416 7616 8271 5694
4551 0906 9077 9425 5649 0749 7155 7526 9765 7883
8288 8111 7942 9677 8222 9268 5182 6109 0952 9666
5018 9480 4883 8566 3441

5638 0893 1808 3835 7053 7451 8268 5351 8975 9110
8942 0918 9137 9462 9557 2058 6809 5549 6671 4640
2620 4739 8286 6808 2208 6890 0831 0757 9587 6037

3720 5103 6983 7557 0434 0581 5370 4252 9251 9183
7084 8867 6311 7487 4648 7307 4382 8388 8864 7814
9748 2996 2445 3986 4931 5035 9409 4496 4682 9129
7095 7670 3040 5945 1855

18040 kHz, 29-04, 0030 UTC. New Star Broadcasting. Station 1

Agent IDs: 4565, 8479, 9645

Group Counts: 32, 35, 35

9821 8971 5729 8910 5926 2673 6252 3504 8055 7974
2643 0990 1159 4697 4219 4691 8220 7177 1515 6206
8068 1786 3255 2463 7570 0431 7152 7691 8223 7306
2661 5146

0540 2727 0537 7608 4751 3307 8255 4730 9804 6548
2820 8205 8820 0079 8060 4240 2592 1745 4218 1587
4731 7992 1081 5099 5121 3936 2181 7145 4190 7463
2978 8482 1504 6728 6860

9216 5094 2958 1458 5936 7999 9754 8647 9572 0354
0621 4597 9099 5374 0957 4066 4641 5275 7880 1408
9171 7662 1832 5589 9601 7233 4578 6636 7507 5707
7454 9953 0684 5407 2568

20025 kHz, 29-04, 0100 UTC. New Star Broadcasting. Station 4

Agent IDs: 3701, 4400, 7879

Group Counts: 34, 31, 35

4833 0910 8623 4936 8423 6663 8594 5602 3641 8753
2090 9440 9116 3914 7597 6347 6177 5718 3036 6035
3516 8699 6943 2021 0201 7476 7103 4580 0498 3436
8402 7999 4248 0558

2238 1206 3758 5257 9728 0473 4789 8729 1963 7399
2000 2259 8202 0837 4082 0330 9946 9898 3276 4117
0811 8080 3863 4507 8873 5087 8589 5071 1685 3383
9468

1703 2010 5547 5313 2497 5638 0858 4573 7283 5070
2282 3061 6258 6817 7388 2829 1153 8673 3117 7922
2589 1800 7546 3651 8633 0148 5920 9525 9853 9607
1686 9293 8631 8702 4634

V28 - 앵무새 Aengmusae (Parrot)

3003 kHz, 15-04, 1005 UTC, AM Parrot

3047 kHz, 15-04, 1005 UTC, AM Parrot

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

7705 kHz, 17-04, 2003 UTC. Chinese Robot with technical problems

April schedules: 6458 kHz, LSB and 7705 kHz, USB

MORSE STATIONS

M01

5475 kHz, 02-04, 1800 UTC

463 157 157 30 30 = =
17652 76589 75643 53421 76820 92758 44739 65749 75367 85649
74539 00174 85673 43215 54362 75978 74635 21341 53427 85647
15290 75649 83746 53427 84756 54326 53214 52618 75837 90981
= = 157 157 30 30 000

5020 kHz, 02-04, 2000 UTC

463 736 736 30 30 = =
27635 81542 16259 04873 82419 74194 82615 62514 53629 09584
74630 95746 91231 63512 53868 98765 65483 75638 74521 43521
16254 54321 55436 72910 98163 84732 65473 87461 74653 98098
= = 736 736 30 30 000

5475 kHz, 04-04, 1800 UTC

463 442 442 30 30 = =
27135 62743 56274 85908 75634 51623 75634 5566 77564 14235
14657 23453 46583 24758 23541 78906 75834 26437 75843 13427
14625 74365 74857 36521 45629 85034 56021 37531 64754 45261
= = 442 44 30 30 00000

5020 kHz, 04-04, 2000 UTC

463 408 408 30 30 = =
37421 90587 57321 75845 63721 64474 63743 13246 14324 67122
84753 62748 12345 62341 62751 75908 72831 65742 71842 16475
15723 75899 88979 36541 23546 78531 63751 72487 23516 71851
= = 408 408 30 30 000

6260 kHz, 06-04, 1500 UTC

463 730 730 30 30 = =
28163 76329 84730 84637 52142 37182 93647 83261 83645 32145
43913 12415 66342 87504 82016 64824 36182 94736 74521 73621
13245 13213 54839 74537 64314 32415 64830 85748 64735 64813
= = 730 730 30 30 000

6510 kHz, 07-06, 0700 UTC

463 524 524 30 30 = =
61524 63547 83625 91736 84630 93473 64513 24156 74653 75643
84657 53421 32715 42174 21746 53759 85746 54321 57453 83749
16253 74639 74536 52413 32314 32857 64397 32857 61945 75036
43817
= = 524 524 30 30 000

31 groups were sent. Group 28 is a repeat of group 26 and is probably incorrect.

5020 kHz, 09-04, 2000 UTC

463 786 786 30 30 = =
14253 12634 13856 15231 16371 17089 18467 19321 10563 11102
21735 22622 23745 24387 25362 26483 27987 28456 29298 20341
21273 32416 33946 34675 35473 36946 37641 38021 39123 30111
= = 786 786 30 30 000

5020 kHz, 11-04, 2000 UTC

463 354 354 30 30 = =
12345 89089 67867 45645 83745 92845 11324 88907 50607 40508
64725 89140 72847 23412 57684 74857 92845 09384 15614 65823
54321 10203 20304 30405 40506 50607 60708 70809 80908 54325
= = 354 354 30 30 0000

6510 kHz, 14-06, 0700 UTC

463 878 878 30 30 = =
69789 14232 44553 70989 47566 15344 20098 65858 40909 55768
30908 75647 12321 68755 39867 89098 68753 24354 79860 48756
89796 46545 14432 67765 49890 55731 38767 58990 46576 22765
= = 878 878 30 30 000

5475 kHz, 16-04, 1800 UTC

463 486 486 30 30 = =
38532 16475 43216 45236 46375 64731 23187 75843 63754 20942
18472 64738 57365 64532 34512 23254 65741 13752 35463 27909
14623 47582 75635 52643 13542 14526 72451 75849 98987 67543
= = 486 486 30 30 000

5020 kHz, 16-04, 2000 UTC

463 102 102 30 30 = =
14752 36574 65749 90987 85741 14235 62743 62741 45263 71432
17563 62543 13246 78876 14323 46545 35613 27563 25465 72641
17562 53654 63147 78954 46371 62543 34678 57463 13245 67071
= = 102 102 30 30 000

5475 kHz, 18-04, 1800 UTC. Sent only 29 groups

463 441 441 30 30 = =
20471 84738 72749 74027 84937 82018 38471 72944 83920 94882
56547 83920 84724 72950 84911 83729 85649 03048 73829 32847
28554 84930 84937 83929 85773 85047 81417 38295 83920
= = 441 441 30 30 000

5020 kHz, 18-04, 2000 UTC

463 917 917 30 30 = =
58374 38475 28475 73920 94821 73859 83050 83920 81749 83038
38205 83947 13173 72957 83845 92050 73820 84735 83029 28473
36253 85463 82547 84931 72845 93050 83720 84015 38256 35244
= = 917 917 30 30 000

6510 kHz, 21-06, 0700 UTC

463 837 837 30 30 = =
74635 85763 90127 64537 62413 54634 53421 65478 98706 98574
17354 85764 76543 87659 84731 53421 43261 53426 75915 95037
83614 73917 64927 65774 65735 64512 97014 64318 75613 63425
= = 837 837 30 30 000

5475 kHz, 25-04, 1800 UTC

463 576 576 30 30 = =
68879 25433 50933 57763 10989 73645 11332 49890 58763 30093
08997 46544 29376 30587 33541 48756 10983 47653 25434 16533
68756 14322 39857 40989 58767 36546 10988 47655 23432 15342
= = 576 576 30 30 000

5020 kHz, 25-04, 2000 UTC

463 593 593 30 30 = =
24312 35465 38676 45546 90878 57656 19809 27645 58798 39876
67876 35432 14324 17655 39809 47623 16534 27651 79687 26544
68744 25411 08677 38576 25343 10989 58866 30966 37646 13321
= = 598 598 30 30 000

6510 kHz, 28-04, 0700 UTC. Different repeat in red

463 168 168 30 30 = =
58492 74856 73854 73838 84729 04716 73846 73920 94735 93046
91436 93020 74839 74831 71345 48395 03740 74635 84937 84823
39204 74836 64738 74635 82030 94850 71483 71472 72946 74835 93045
= = 168 168 30 30 000

5475 kHz, 30-04, 1800 UTC

463 727 727 30 30 = =
58274 82047 81517 83048 92017 84717 73205 84930 75637 38175
59305 73882 71950 93004 82951 73829 84736 82946 71432 17113
48388 72945 38072 74839 83746 82057 72849 73820 62283 78294
= = 727 727 30 30 000

5020 kHz, 30-04, 2000 UTC

463 571 571 30 30 = =
58365 74830 85014 73815 83927 64836 99305 73992 03741 74829
84937 47385 64736 82951 74913 84720 84739 85626 73857 28477
73147 63030 8414181 7483743 94857947 84718 93041930 84710 937193714
= = 571 571 30 30 000

M12

9317/10484/11552 kHz, 0800/0820/0840 UTC

9317/10484/11552 kHz, 02-04, 0800/0820/0840 UTC

135 135 135 1 3336 84 3336 84
95566 33168 56370 11515 96436 33959 33498 17761 40793 71244
52155 70292 97141 85194 25428 13248 81842 76514 61976 05123
79802 71701 72858 86532 44339 22372 48919 70169 87649 74774
78566 14987 87541 07910 34017 46381 73315 65950 18377 98267
77580 40453 66444 76330 10906 31010 97746 37198 28809 94922
52514 08808 22601 09501 90752 23865 60309 69836 67175 74064
85038 63327 30111 66018 92677 37167 82749 89230 51177 79046

39931 15891 58136 63707 27542 39339 05257 96526 75626 13328
24624 11720 41360 92726 000 000

9317/10484/11552 kHz, 04-04, 0800/0820/0840 UTC

135 135 135 1 9872 89 9872 89
98110 14798 27350 73436 24745 11788 94359 77625 92704 46524
36488 32134 55450 85707 83527 79931 01091 66541 40780 11276
01552 80249 97299 74814 57705 57315 15487 87100 15151 42964
97659 48536 28358 60189 23839 69070 39180 72074 24262 92542
30121 42194 31102 61927 54847 77159 83915 40744 32766 34574
68320 50464 65611 78712 97036 17861 17498 52535 15730 67428
96299 07259 62474 49740 48864 87950 03775 95260 61867 14456
40750 29016 42278 48237 81153 59356 49147 35372 19966 80545
73399 74742 54333 80576 74642 47195 82924 49645 63152 000 000

9317/10484/11552 kHz, 09-04, 0800/0820/0840 UTC

135 135 135 1 7602 84 7602 84
34035 22902 24662 09174 31132 19644 29649 50176 05666 52977
30481 38223 81017 20271 72293 56207 57896 79823 04478 37967
19087 69909 29809 33830 42808 05484 82671 97365 09721 16819
00966 76500 87953 71984 60395 29699 65390 06820 18711 47117
02037 38517 07186 98338 47158 62465 09505 41412 81727 00418
12485 34836 86654 30668 54264 64124 93091 90831 66365 25647
36972 32282 40455 88846 52010 53980 50269 09032 59875 42593
90816 51075 61111 57359 35930 80568 62723 31470 86670 80341
95978 41258 15638 09302 000 000

9317/10484/11552 kHz, 11-04, 0800/0820/0840 UTC

135 135 135 1 9766 89 9766 89
12873 14351 41581 70561 34421 91280 33204 53678 59566 39960
98800 96081 22792 28260 49243 65036 18739 99489 47226 93106
87938 86129 30544 96238 86129 94547 07140 43986 17992 72617
58456 22576 24333 87921 11037 10314 94143 55027 64316 30033
07047 65256 95310 94992 85867 49010 17016 39835 46850 37242
89156 26512 14071 48293 09472 37653 83805 45342 84431 39772
84140 89217 35685 86947 81502 76224 71747 34869 17212 38928
70892 63710 35173 17193 86058 22681 79908 35551 10371 37118
77630 67304 97134 80749 83460 31944 08505 76039 78449 000 000

12162/11566/10711 kHz, 1800/1820/1840 kHz

12162/11566/10711 kHz, 02-04, 1800/1820/1840 kHz

546 546 546 1 3437 54 3437 54
19237 72385 84772 99057 52222 61758 80022 19736 77369 84705
57512 72363 54663 80512 93115 67307 11512 49295 08069 24572
58386 37038 49022 04684 81464 19198 96682 26793 49607 25132
57267 16838 46953 10565 49409 90983 77895 69659 96179 28185
88679 82174 90730 06961 95297 65279 79352 20076 51818 87167
52247 98285 44644 30125 000 000

12162/11566/10711 kHz, 09-04, 1800/1820/1840 kHz

546 546 546 1 4052 59 4052 59
14267 41318 30671 45114 74166 22835 78723 35893 71657 36412
71182 66370 46532 70579 95247 42955 51924 29502 47808 63994
82277 89376 74488 34537 92025 19538 03314 87705 76088 69275
36512 26703 89737 32268 85292 29791 67399 67511 71033 48634
88595 40468 37692 17640 26592 26808 44321 73081 84895 92296
79015 07903 62998 68927 15737 34889 66828 96133 53087 000 000

12162/11566/10711 kHz, 16-04, 1800/1820/1840 kHz

546 546 546 1 2561 51 2561 51
53373 30740 05281 44220 68946 64647 67237 09436 52902 53924
86628 31572 00728 81242 52589 04319 07262 89305 90506 70967

71232 61725 21046 65148 45040 87248 75480 82705 85451 75751
13497 97299 12839 85250 09654 60277 42526 75401 28134 77170
37917 35163 86344 87555 26479 03027 14634 52574 58464 04974
19121 000 000

12162/11566/10711 kHz, 30-04, 1800/1820/1840 kHz

546 546 546 1 5373 57 5373 57
65339 64077 59073 40035 77395 28996 49152 50898 12635 01054
36056 50121 25577 13797 02210 48613 73946 39182 03031 28431
98167 06004 49740 38812 35975 48046 53885 96216 15419 74525
97255 92672 07885 84519 58x40 25445 01195 60409 66210 93780
90996 77354 47231 27509 53790 00609 70960 99334 52269 27112
15001 70520 07082 94922 50398 59335 14336 000 000

13564/12164/11164 kHz, 1900/1920/1940 UTC

13564/12164/11164 kHz, 03-04/05-04/10-04/12-04, 1900/1920/1940 UTC

511 511 511 1 566 151 566 151
69348 69290 09051 20850 53577 36848 06183 45321 51801 04868
14286 58176 56456 88989 32069 25244 12963 20503 43576 99386
56477 20830 04940 78453 91962 92915 83006 78483 79911 10185
38167 46105 69516 26591 08164 35358 14922 78401 25830 16805
81422 13124 86587 54583 09459 50587 78727 54751 10202 95931
54712 86737 03955 13042 35312 44169 67223 30370 07269 37500
64789 47644 45148 43019 13078 10796 03044 90705 48216 68733
73589 42077 75285 87129 02195 99403 01998 01751 88604 05496
22056 30432 60789 95051 02571 04455 31448 95528 49130 67199
20213 83876 42046 40092 96475 92165 08286 24034 03361 04419
84060 37515 75522 18200 06157 50470 24947 65635 49728 56344
01437 09091 96210 39284 09947 69360 62903 18687 50044 10866
63294 89077 25272 88907 12574 49814 68270 70320 92872 53234
40128 79245 94955 21513 15235 66068 38873 36923 94573 83233
99148 94302 71782 86386 21309 50697 12708 47318 58580 29335
58735 000 000

13564/12164/11164 kHz, 24-04/26-04, 1900/1920/1940 UTC

511 511 511 1 5069 94 5069 94
95209 36790 99662 04543 93670 09327 35969 98447 60101 70727
03638 98666 95832 22043 87087 58381 13180 78760 91792 09721
55702 77102 75421 27304 54128 27975 82575 84469 14746 75052
86342 42565 95922 31216 73995 27947 61694 29569 83687 11334
14565 42754 17228 29192 90325 42683 15390 39249 35871 76257
69675 73938 75430 54437 80274 95023 56506 21890 82527 41826
72201 75747 20779 77159 17867 09423 56819 95943 71396 13817
18434 12366 41118 41875 96654 95401 33644 91988 47614 93067
73620 02206 54838 40833 09848 28816 01387 87532 63201 75120
90305 19413 44569 74042 000 000

14723/13923/12223 kHz, 2310/2330/2350 UTC

14723/13923/12223 kHz, 03-04/07-04, 2310/2330/2350 UTC

792 792 792 1 5477 53 5477 53
09852 57412 70396 50193 53637 71730 36963 00417 12357 84376
63332 27076 86678 71606 75306 09288 89538 16638 43394 01921
89312 90632 87151 56175 29670 76142 44846 54680 78090 01129
94501 55313 79264 77455 55479 68217 88866 13587 14299 10492
08901 13921 10888 82040 24325 05655 01411 88098 27278 28376
78687 31602 90093 000 000

7575/8175/9175 kHz, 05-04/06-04, 2100/2120/2140 UTC

511 511 511 1 138 109 138 109
20294 00978 84961 69486 72671 08241 03586 26663 01467 70193
87128 66799 78655 10966 78888 22115 94157 12827 45224 69861
18531 16932 79935 03498 15571 35002 50993 39649 64679 72424
97047 78137 54266 96996 56627 57164 24630 68897 14993 78214
37610 26380 61041 03701 29082 54952 35095 79934 98187 58768
41299 96739 40540 63009 36698 57382 09506 08879 77680 62351
42086 39222 68348 34192 02895 18389 80507 40743 04575 73097
69057 18861 74049 21216 47834 20640 32118 01464 88052 19025
96578 72656 41771 25668 46330 79340 26330 57278 23443 29202
44794 00514 67133 19369 05693 18262 30448 15607 95190 04991
10330 20264 71423 33978 15261 31217 87290 24648 16573 000 000

7575/8175/9175 kHz, 12-04/13-04/19-04/20-04, 2100/2120/2140 UTC

511 511 511 1 8485 222 8485 222
10967 04260 96055 41227 70498 55459 16818 38316 35398 64161
23773 33983 16298 94270 39865 69417 57145 15712 73769 86680
45272 56048 10871 52899 85770 72114 51952 72054 96293 80510
02253 24586 41600 03589 23779 58954 89601 17713 51184 31570
41466 53185 87205 45967 21795 95358 99768 95395 95329 40487
49877 50357 88199 86360 54120 32866 74625 43443 30358 63299
49031 75253 35432 10821 70798 71750 64124 99265 62820 24076
97734 77330 67329 92277 26932 54085 06729 42608 27813 46554
52451 19445 02200 86996 02429 12956 44746 40821 23635 68597
20548 17234 52301 94662 70740 94695 66683 31988 10039 54983
10173 93555 70071 31127 21117 57270 84232 55227 20951 86601
29340 98444 03851 44185 26270 24911 74126 65734 67258 30832
68842 95607 68119 82265 79356 87616 33435 38623 95642 11686
27188 93898 99074 68279 13729 47993 72957 80033 36655 58046
80539 63538 67775 29337 42992 91001 39497 81529 94715 18700
53927 67868 25158 24454 32218 26904 60168 72737 09507 35519
93006 80888 07125 86767 08539 86973 10475 20992 99483 99547
48356 53165 15195 37139 86084 47317 72715 26945 94423 95263
51536 08121 47733 68981 59437 87185 58398 30885 99919 75747
07585 85014 36838 60948 24466 28449 38430 79410 52503 85976
88458 13784 02049 57039 12480 41539 13130 49964 94564 09078
72542 22548 50307 99533 75780 37213 68723 47150 21488 32828
87914 47083 000 000

7575/8175/9175 kHz, 26-04/27-04, 2100/2120/2140 UTC

511 511 511 1 5355 130 5355 130
00504 62753 81697 95964 24234 05653 15795 63647 89510 68339
23948 68060 32087 98176 02410 17095 37854 92163 76496 88076
63506 90032 75682 49918 55509 33465 54459 52249 74466 74683
21226 40124 89798 55757 38384 06650 57070 08721 29254 86099
59865 79704 66879 88119 84219 17809 12203 54326 06859 61798
59310 16961 27270 17691 27156 12110 27917 81016 36303 32422
99756 61729 00588 00796 76575 77204 46088 56119 67384 87829
35636 81741 64648 13884 70363 31751 44033 58391 38653 00949
40047 57003 36115 94893 52576 28962 07467 69435 66512 48362
83791 26801 78386 49907 35230 50978 14102 79365 68883 77904
15156 43441 04448 67752 16647 98861 25265 24479 69327 06960
88354 72286 77360 12704 00619 82458 80790 50196 03583 36340
01114 70077 29114 50040 88484 73504 63111 26669 36117 81021
000 000

20971/20371/19271 kHz, 1400/1420/1440 UTC

20971/20371/19271 kHz, 08-04/11-04, 1400/1420/1440 UTC

932 932 932 1 8985 79 8985 79
94699 92273 13460 28434 50851 75198 84289 60029 48781 82138
98410 82929 61175 22306 19109 49037 06888 56569 47571 21682
25119 52439 85625 43783 70804 37317 46423 17903 37066 93022
84421 41972 92045 90662 54081 98994 30309 48623 93848 47298
21059 73552 62006 56475 66688 63431 33495 93626 60737 19712
25330 93307 99946 43525 01085 44724 29799 60826 12630 55484
12043 50138 16264 09875 23659 88576 43644 39420 37946 86758
37133 53512 67762 59877 68722 15500 70815 34081 86836 000 000

20971/20371/19271 kHz, 25-04, 1400/1420/1440 UTC

932 932 932 1 329 83 329 83
05105 03416 51457 88392 06453 89579 04071 94604 45618 03630
32067 71960 60690 33662 91829 99000 85929 37544 54010 24723
54909 90651 94499 76066 08048 50353 30498 46173 02098 85296
20294 14955 00984 23400 34553 40296 48586 48235 52997 47040
45833 22934 51437 90383 06802 14235 48443 10966 38095 67140
84356 16426 48337 35336 33738 77253 84071 35821 35417 66141
50896 18894 76244 89696 35943 23466 67535 98179 92393 40486
30995 77780 61347 39689 92630 60648 24307 51171 39477 86017
32378 75942 47954 000 000

12139/11139/10239 kHz, 2000/2020/2040 UTC

12139/11139/10239 kHz, 08-04, 2000/2020/2040 UTC

234 234 234 1 9946 106 9946 106
00629 44650 30013 81901 07334 14895 68190 69490 25376 58265
09872 98705 25295 85678 46668 85988 95493 21015 81818 87221
43601 60528 92447 70029 63068 82820 76218 68031 05034 86956
46897 72441 83240 09835 79980 80446 08655 73451 15512 99887
10058 79444 86410 97355 98320 30195 38541 71864 75548 72718
35150 44496 06463 61801 44667 64949 18597 86750 56224 68928
86863 55193 42554 86727 95741 34003 20704 17426 18536 02909
07251 67219 25678 97180 34551 86197 72871 21640 22640 27117
07519 74004 19396 55487 83153 98556 04426 32191 37040 65646
47106 85263 94832 47758 08100 25598 12036 97844 87193 58535
48660 38556 08732 84661 18066 80840 000 000

12139/11139/10239 kHz, 22-04/25-04, 2000/2020/2040 UTC

234 234 234 1 442 181 442 181
86102 34582 45204 63988 30416 70696 17536 63288 25473 03470
59254 57808 05603 23275 32734 93323 23977 31314 21674 11658
13470 04934 32936 55698 20309 69397 62060 29868 37934 41433
35574 16788 11553 48709 79216 03555 06261 85926 28554 33809
51529 94452 63027 41406 38572 82393 27961 74638 51813 76065
73746 22793 86553 14095 41985 65957 50704 85778 18590 68487
32583 35419 11143 27297 73532 86492 68281 55038 25782 66527
72618 94737 51251 42394 21585 66000 13915 92355 65616 38503
40056 93637 45835 27674 47561 20758 19400 53578 88644 96384
83228 24100 98538 33848 92349 36055 96897 44672 78408 24410
76421 48071 25260 54935 40604 04530 06420 19677 76115 88500
47733 25162 04863 07602 00252 98899 99033 73414 51003 96670
01428 22503 88648 67737 99879 33337 99144 02297 57797 12514
54246 51947 34945 57854 28795 41913 33435 63791 27082 57076
63266 15616 86227 41232 96884 37897 27251 41380 13913 66351
36862 68954 14045 00310 74747 18618 57192 72685 18848 03157
83948 04843 61348 01998 07887 64630 08585 52283 75588 03912
61428 04511 05555 39507 68611 31109 26272 92867 13786 22509
27918 000 000

11519/12194/13407 kHz, 1100/1120/1140 UTC

11519/12194/13407 kHz, 30-04, 1100/1120/1140 UTC

289 289 289 1 3854 55 3854 55
78157 71098 53142 53506 44560 68101 65415 66612 10844 80428
84359 91129 70658 37549 61564 68115 86362 81820 54367 98687
92489 62101 54482 12866 39010 36606 44748 94958 95647 77353
41299 73976 41672 95424 06768 39556 26461 07279 72119 87424
82787 11186 14504 10065 96648 19785 59443 38712 71487 94666
79360 66473 22842 75710 10964 000 000

M14

Delayed M14 logs, submitted by Subilo. All from March.

New format for this time slot.

12211/10243 kHz, 01-03, 0500/0520 UTC 952 952 952 00000

12211/10243 kHz, 04-03/05-03, 0500/0520 UTC.

952 341 341 56 56 = =
30996 49067 93397 34579 11280 39614 84665 47922 84807 50196
96715 26061 75765 60502 96830 24512 32320 39273 43222 81977
62134 60616 85423 16013 74480 83331 79610 93411 10888 97896
42307 92475 15267 70823 90909 99376 89434 41061 44457 05775
48998 48140 83102 99904 47516 96744 89704 68307 53884 87388
21992 50380 93885 67903 88729 12964
= = 341 341 56 56 00000

12211/10243 kHz, 06-03/07-03, 0500/0520 UTC.

Repeated the other way around on 7-3. First 481, then 607.

952 607 607 31 31 = =
04304 33446 30850 06333 01092 61720 24647 91247 74345 16602
68201 85132 76204 47344 25536 71857 19741 62932 34715 82431
38495 98529 83832 93730 73851 21086 82810 06223 57426 10047
10685 = =
607 607 31 31
952 481 481 23 23 = =
14916 24690 03775 83377 92950 76860 92864 61343 01909 00001
13884 60904 11385 02507 85933 38180 80076 43372 06496 68159
95794 00982 39150
= = 481 481 23 23 00000

12211/10243 kHz, 08-03, 0500/0520 UTC No transmissions

12211/10243 kHz, 11-03/12-03, 0500/0520 UTC.

952 736 736 53 53 = =
24605 35497 34370 68008 43649 39371 32076 23512 32492 22539
54309 24760 79665 15726 70004 67966 98936 26209 82812 82684
69579 82954 75522 47687 84563 21302 52250 95631 42594 86889
76804 98666 44923 63503 30694 52197 82901 54542 39190 98969
27175 72784 38905 60685 54486 18134 85300 69317 73013 48055
23581 15320 32175
= = 736 736 53 53 00000

12211 kHz, 13-03, 0507 UTC. Rapid dots. No transmission

10243 kHz, 13-03, 0520 UTC

12211/10243 kHz, 14-03, 0500/0520 UTC. Rapid dots. No transmission

Repeated the other way around on 14-3. First 801, then 346.

952 346 346 20 20 = =

57357 02954 25664 47145 90710 96885 32217 69772 80006 58438

86745 33161 35355 50547 40806 54546 15171 01483 91789 76030

80727

= = 346 346 20 20

952 801 801 33 33 = =

82058 49413 93947 99567 88248 88681 71626 93377 78035 09560

77040 32104 62664 51257 96152 70144 12043 27930 97861 17599

79682 97155 95134 39659 68369 32025 24194 46322 47494 51526

15216 39623 57971 88926

= = 801 801 33 33 00000

(no closing nulls on 13 March)

12211/10243 kHz, 15-03, 0500/0520 UTC 952 952 952 00000

12211 kHz, 18-03, 0500 UTC. 952 107 107 51 51 = = 07611 15028 70235 91889 28268 off

10243 kHz, 18-03, 0520 UTC.

12211/10243 kHz, 19-03, 0500/0520 UTC.

952 107 107 51 51 = =

07611 15028 70235 91889 28268 75828 92580 49131 11109 18395

73289 22444 78367 17445 78706 82292 51099 96880 96478 82612

52468 14986 05302 28282 38874 88782 40464 21599 26087 93493

34884 86207 02602 98027 40314 91886 47377 22451 58418 28673

94162 28355 36397 03727 09592 78084 06844 59391 77235 23742

76537

= = 107 107 51 51 00000

12211/10243 kHz, 20-03, 0500/0520 UTC No transmission

12211/10243 kHz, 21-03, 0500/0520 UTC No transmission

12211 kHz, 22-03, 0504 UTC. VVV (nothing else)

10243 kHz, 22-03, 0520 UTC. 952 952 952 00000

12211/10243 kHz, 25-03/26-03, 0500/0520 UTC.

952 186 186 54 54 = =

38776 57611 34677 35465 46718 14566 11831 13895 55967 15351

33664 38694 88499 72554 51677 85117 84336 80010 78663 10270

69702 47335 30157 04103 30751 62298 05042 36205 66289 48214

41258 78094 17954 08545 07546 05670 01252 75885 17158 11537

85931 07545 74484 81883 99098 94889 90528 17592 49528 78642

28158 04274 96601 87329

= = 186 186 54 54 00000

12211 kHz, 27-03, 0500 UTC

10243 kHz, 27-03, 0520 UTC. 952 (R4m) off

12211/10243 kHz, 28-03, 0500/0520 UTC.

952 430 430 27 27 = =

81091 02140 41951 19229 48715 96518 86826 67029 97305 49798

16884 95676 32636 88389 26848 67151 81380 04518 47157 55202

95082 44841 30799 98276 08523 71037 00006

= = 430 430 27 27 52

952 716 716 30 30 = =

68567 31487 46584 47235 14733 90454 70309 51223 66058 26961

66963 78848 94623 65239 51935 53130 20871 09241 28636 84464

38456 10615 47187 57801 18878 35624 57730 92953 81837 60673

= = 716 716 30 30 00000

12211/10243 kHz, 29-03, 0500/0520 UTC 952 952 952 00000

12211/10243 kHz, 01-04/02-04, 0500/0520 UTC

952 804 804 53 53 = =
 72036 94424 03761 93205 58184 16491 23361 00734 59381 19852
 24998 22824 88088 98332 10391 06036 41928 39143 86070 10442
 33342 39912 92304 72995 00202 30507 55945 90536 14573 85576
 96896 70858 31798 38756 42876 25278 47116 34466 32168 01153
 51970 78245 09054 77768 07227 71564 41600 74052 75464 42042
 16504 41535 79539
 = = 804 804 53 53 00000

12211/10243 kHz, 03-04/04-04, 0500/0520 UTC

952 371 371 28 28 = =
 51735 49281 27056 90667 30112 97653 28992 88906 05006 95206
 55130 26201 98233 63799 53605 12446 80350 36546 66721 17828
 70614 26412 17687 25254 92913 74600 96274 77419
 = = 371 371 28 28

952 680 680 27 27 = =
 43795 62512 16840 71632 65669 81648 42698 39573 36419 79595
 98256 70604 78346 26131 30543 05783 01404 69322 46482 87629
 32617 91451 68195 55334 85885 26728
 = = 680 680 27 27 00000

12211 kHz, 05-04, 0500 UTC 952 952 952 00000
10243 kHz, 05-04, 0521 UTC 952 952 952 00000. Late start. Carrier only after 3 mins

12211/10243 kHz, 08-04, 0500/0520 UTC

12211 kHz, 09-04, 0500 UTC. No closing nulls
10243 kHz, 09-04, 0520 UTC. 952 (R4m) then off

952 347 347 56 56 = =
 06062 90348 95342 00850 69647 37950 16003 88802 89612 23449
 95190 59900 04385 11216 90963 60458 00696 85670 54202 63796
 14751 50860 95251 47211 35833 42243 11607 74119 35795 67876
 62558 11073 72852 21170 01758 34316 43150 32423 03630 05588
 78502 51313 44563 21847 13775 77529 24828 68609 72322 81736
 42160 31589 42942 84059 52928 46323
 = = 347 347 56 56 00000

12211/10243 kHz, 10-04, 0500/0520 UTC

12211 kHz, 11-04, 0500 UTC
10243 kHz, 11-04, 0520 UTC. No transmission

952 168 168 24 24 = =
 74898 24049 90777 59399 52932 75277 98208 82984 52906 34889
 42535 73750 41365 95152 57828 40703 31576 38591 12637 81243
 58863 58410 30876 79381
 = = 168 168 24 24
 952 430 430 25 25 = =
 47419 04571 84970 23167 35224 26186 85966 92664 04807 82134
 93680 10055 80674 80182 48088 55950 44580 97533 52365 07047
 59078 17343 49224 86555 63441
 = = 430 430 25 25 00000

12211/10243 kHz, 12-04, 0500/0520 UTC 952 952 952 00000

12211/10243 kHz, 15-04, 0500/0520 UTC No transmissions

12211/10243 kHz, 16-04, 0500/0520 UTC

952 871 871 56 56 = =
51762 68291 80143 64657 34600 51792 53091 51036 96882 25966
91974 56534 34750 42103 81157 17489 77530 59992 60374 11559
83403 95029 04049 73042 09789 38872 68284 46591 75614 39552
35218 27725 57673 52013 09423 63609 88253 94987 46055 12521
46215 75157 15423 85443 58721 64546 33667 18232 55796 42060
14244 47774 44906 35136 19898 90599
= => 871 871 56 56 00000

12211/10243 kHz, 17-04/18-04, 0500/0520 UTC

952 603 603 25 25 = =
39093 47274 14659 00022 74233 33260 48253 47546 15757 91151
42899 15746 76815 22821 63493 81811 81908 18512 75006 14331
67609 04228 98146 45332 11511
= = 603 603 25 25
952 748 748 31 31 = =
93209 40844 34529 19878 53157 86733 87990 73586 85239 22540
32572 67102 20226 06288 54260 84736 26527 89272 30807 96565
36134 14547 67874 57932 35907 42058 68492 75462 91362 36385
15496
= = 748 748 31 31 00000

12211 kHz, 19-04, 0500 UTC 952 952 952 00000
10243 kHz, 19-04, 0520 UTC 952 952 952 00000

12211/10243 kHz, 22-04/23-04, 0500/0520 UTC

952 316 316 57 57 = =
64385 49521 67196 56114 31155 22426 03069 72579 00847 16990
52801 37745 68867 66378 37867 12176 79025 69585 28012 93510
39023 37666 16182 09819 80979 65066 18921 40392 59146 86992
06967 87421 02032 08753 95691 46986 61097 18000 50104 52796
23228 15837 84086 91128 79160 27694 58555 10391 65049 79935
08239 73753 19378 53125 51754 28282 22373
= = 316 316 57 57 00000

12211 kHz, 24-04, 0500 UTC 952 (inverted morse) 480 480 51 51 = = No closing nulls
10243 kHz, 24-04, 0522 UTC Late start
12211 kHz, 25-04, 0500 UTC 952 480 480 51 51 = = 64385 49521 67196 ... off after group 29 after several hiccups
10243 kHz, 25-04, 0520 UTC

952 480 480 51 51 = =
64385 49521 67196 56114 31155 22426 03069 72579 00847 16990
52801 37745 68867 66378 37867 12176 79025 69585 28012 93510
39023 37666 16182 09819 80979 65066 18921 40392 59146 86992
06967 87421 02032 08753 95691 46986 61097 18000 50104 52796
23228 15837 84086 91128 79160 27694 58555 10391 65049 79935
08239
= = 480 480 51 51 00000

12211/10243 kHz, 26-04, 0500/0520 UTC 952 952 952 00000

12211/10243 kHz, 29-04, 0500/0520 UTC No transmissions

12211/10243 kHz, 30-04, 0500/0520 UTC No transmissions

Test transmissions

9463 kHz, 03-04, 0640 UTC

801 (R24m45s) silence (1m22s)
801 (FSK CW R17s) silence (11s)
801 (FSK CW R41s) back to normal CW
801 (R12m17s) 427 427 59 59 = =
34718 65571 65093 12327 38442 52858 39663 49980 21344 93564

39344 547x9 05933 61067 10089 26934 19884 03381 15192 73945
31454 89003 08259 94396 61166 34112 12907 95131 61961 72028
13905 65680 84982 50930 89409 58235 73200 70702 39018 46629
50051 94896 87295 62755 95291 98719 67491 33866 25232 39006
15108 69186 19569 57084 26025 69285 61978 50502 588 silence (5s)
801 (R56s)
61166 34112 12907 95131 61961 72028 13905 65680 84982 50930
89409 58235 73200 70702 39018 46629 50051 94896 8 off

9463 kHz, 04-04, 0640 UTC 801 (R41m)

9463 kHz, 05-04, 0630 UTC

801 (R41m) silence (19s)
801 (R1h45m) 694 694 55 55 = =
51326 86106 13616 76173 23792 10006 76426 84047 18521 91580
79719 56406 53823 05856 90972 67429 59558 71917 29614 09242
46335 67700 84711 99141 35374 48002 48785 67377 91182 76656
22414 98946 24267 08795 69330 27824 56037 84161 26696 07072
63113 17380 00233 03271 43217 96150 98914 88698 69824 23276
88885 29707 27780 63488 11317
= = 694 694 55 55 00000

9463 kHz, 09-04, 0714 UTC

801 (R4m) 726 726 59 59 = =
73598 17275 25854 31080 50633 49325 41469 414 silence (18s)
801 (R59s) 726 72 silence (5s)
8 silence (8s)
801 (R2h5m) 726 726 59 59 = =
73598 17275 25854 31080 50633 49325 41469 90972 84068 10883
43744 87566 57115 46310 70967 69708 75980 71572 02642 08327
37384 55601 85066 18090 05561 49026 93728 63135 09658 14955
05959 14065 97496 41490 82265 48410 06609 40676 79814 11731
38496 63552 46458 81547 47053 86015 68778 01301 77087 45161
72573 76506 13873 30813 99210 50315 29676 61901 06311
= = 726 726 59 59 00000

M23

5198 kHz, 01-04, 0257 UTC Hourly beep
18412 kHz, 01-04, 1557 UTC Hourly beep

2-30 April: not monitored

M51a / M51b

3881//6825 kHz, 26-04, 1718 UTC. Non-stop 5-character groups composed of FAV22 messages

YETSR AUSHQ BWJSU APLMQ BWNSh ETSFZ WCQJA UWKQI NDHRT XCWJA
MQKAU 26438 BXHDY ETXCQ WNBHJ EUIKL AMPLI NWXXV SHATD WNQHA
UAYDG XWVBD XNQUJ ZKQLA MPWNH JDUET XVCHD SNWJE SKQJA JAKSB
JAKLO NHDFF 45768 NXHDT WCDGJ NQKAI OLQUA NWJET QFAIJ LOAUY
KALIU YHDKL NXCDG 35476 BWNQH AYHSK 19065 NCJRT XCSJU IKAOL
NXJDG FTEUS WNQKI ALPMQ ETDFX 46738 NCBXJ QKALO

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

CWXSD QGBAH DNXJR IKQLA PMOLI 19756 VXGDT ELAMP QNWJE DGFTR
IKUHY BCGDT ERXFS QJKLM APOIU NBVCX WGDFF QJAUY ETSFX WBSHA
OLAPM NWJDT DFEYZ 37628 NWBXC DFSTA 18649 NXJDY QKLIJ NBVGT

UJDFX WBCDF CHETZ QJHAU NWKJI SLQOP MAIUJ NDHXC FVXWL NQJET
YUETF CBXHD SJAIN 46392 JNXHR WXQKJ LMAPO NJHGY BCHDT WJHSU
UJIKO QLAKI JNHYT BCVDR SKLQP AUJXC VQHUE BXUET YAHSK 67494
QMAPPY JKGFT CVXBD SFAUJ QKLPA MQBXH CVDTE SHJUY NWKQL AMZHA
JNHDF ETXCW WXHSZ VBQHA NJKHM POIUY UHDFE XVSFG 45673 UJGDT
VCDFE SCWXQ BHJUI LKAMP NXMQO BCJFT XJQUE DGXUA ZHJSF

VXBSG ZTQFA KLQMP AIKDG ETSFZ WCQHA 26718 NDGET SCWVD 35427
KLQHR BXHRT ZUSHQ WVXCD AEZYU JKOLP QMATY BCHDF XHSUJ ETSFZ
IKOLE SGAUE XVSGQ WNDXC DFEJQ LAMPW 36278 BXHDU ZJWNQ KLAUH
IORTD CGDUE SHQJZ WBSJE DHAIJ DGSKL NWJHG FVXCD FUYTI HDNXV
IKDGR FHBCV DFDFD ETSGD XHSFE ZYSUA JNWH D SJHUI TGFHE KHFTR
GHFGC VBGHY JWKSL QMLAO LUJHG VNJKL XNDHT JKILD XCSVZ KLHGF
56473 SGETF XBDGE XGSTE ZHUAI QKAI O 46378 45381 SUJAU OLETD
QMLAO 26480 JDGTE XVSFZ QHAJF VNDKI RUHFG CBXHD ZUJSL IKLOJ
KQUET FKCBF DHGXV CNFGC DTFGR SHJAK WLKQO MAPKI NBHTG

etc.

UM04 - PROMRCh

Delayed UM04 logs, submitted by Subilo. All from March. These logs were missing or incomplete in N&O #318.

4735 kHz, 01-03, 0800 UTC

VVV VVV PROMRCh = 01 03 =
1000 1080 1130 1310 1860
1200 1220 1270 1450 2020
1400 1190 1230 1390 1920
1600 1200 1250 1420 1960
1800 1020 1070 1210 1660
2000 0700 0730 0830 1140
2200 0530 0550 0610 0820
0000 0500 0510 0560 0720
0200 0490 0500 0550 0720
0400 0510 0520 0570 0750
0600 0470 0480 0550 0740
0800 0790 0840 1000 1450
= ABV

VVV VVV PROMRCh = 01 03 =
1000 1080 1130 1310 1860
1200 1220 1270 1450 2020
1400 1190 1230 1390 1920
1600 1200 1250 1420 1960
1800 1020 1070 1210 1660
2000 0700 0730 0830 1140
2200 0530 0550 0610 0820
0000 0500 0510 0560 0720
0200 0490 0500 0550 0720
0400 0510 0520 0570 0750
0600 0470 0480 0550 0740
0800 0790 0840 1000 1450
= AR

4735 kHz, 02-03, 0800 UTC

VVV VVV PROMRCh = 02 03 =
1000 1080 1130 1310 1860
1200 1220 1270 1450 2020
1400 1190 1240 1400 1920
1600 1200 1250 1420 1960
1800 1030 1070 1210 1670
2000 0710 0740 0840 1150
2200 0530 0550 0610 0830
0000 0500 0510 0560 0720
0200 0490 0500 0550 0720
0400 0510 0520 0570 0750
0600 0470 0480 0550 0930
0800 0790 0840 1000 1450
= ABV

VVV VVV PROMRCh = 02 03 =
1000 1080 1130 1310 1860
1200 1220 1270 1450 2020
1400 1190 1240 1400 1920
1600 1200 1250 1420 1960
1800 1030 1070 1210 1670
2000 0710 0740 0840 1150
2200 0530 0550 0610 0830
0000 0500 0510 0560 0720
0200 0490 0500 0550 0720
0400 0510 0520 0570 0750
0600 0470 0480 0550 0930
0800 0790 0840 1000 1450
= AR

4735 kHz, 05-03, 0800 UTC

VVV VVV PROMRCh = 05 03 =
1000 1060 1110 1280 1820
1200 1210 1260 1430 1990
1400 1190 1230 1390 1900
1600 1180 1230 1390 1920
1800 1040 1080 1250 1750
2000 0730 0750 0850 1170
2200 0550 0570 0630 0850
0000 0510 0530 0580 0750
0200 0500 0510 0560 0730
0400 0510 0520 058E 0760
0600 0470 0480 0540 0730
0800 0800 0840 1000 1450
= ABV

VVV VVV PROMRCh = 05 03 =
1000 1060 1110 1280 1820
1200 1210 1260 1430 1990
1400 1190 1230 1390 1900
1600 1180 1230 1390 1920
1800 1040 1080 1250 1750
2000 0730 0750 0850 1170
2200 0550 0570 0630 0850
0000 0510 0530 0580 0750
0200 0500 0510 0560 0730
0400 0510 0520 0580 0760
0600 0470 0480 0540 0730
0800 0800 0840 1000 1450
= AR

4735 kHz, 09-03, 0800 UTC

VVV VVV PROMRCh = 09 03 =
1000 1030 1080 1240 1760
1200 1180 1220 1400 1930
140E 1170 1210 1360 1870
1600 1150 1200 1360 1870
1800 1030 1080 1240 1750
2000 0730 0760 0860 1170
2200 0560 0570 0640 0860
0000 0520 0530 0590 0760
0200 0510 0500 0570 0740
0400 0520 0530 0580 0760
0600 0460 0480 0540 0730
0800 0790 0830 0990 1440
= ABV

VVV VVV PROMRCh = 09 03 =
1000 1030 1080 1240 1760
1200 1180 1220 1400 1930
140E 1170 1210 1360 1870
1600 1150 1200 1360 1870
1800 1030 1080 1240 1750
2000 0730 0760 0860 1170
2200 0560 0570 0640 0860
0000 0520 0530 0590 0760
0200 0510 0500 0570 0740
0400 0520 0530 0580 0760
0600 0460 0480 0540 0730
0800 0790 0830 0990 1440
= AR

4735 kHz, 14-03, 0800 UTC

VVVVV PROMRCh = 1403 =
 1000 1010 1050 1220 1720
 1200 1160 1200 1360 1890
 1400 1160 1210 1360 1850
 1600 1130 1160 1330 1830
 1800 1050 1090 1250 1750
 2000 0750 0840 0880 1200
 2200 0570 0610 0650 0860
 0000 0530 0540 0600 0780
 0200 0520 0530 0580 0750
 0400 0530 0540 0590 0770
 0600 0460 0470 0530 0720
 0800 0790 0830 0990 1430

= ABV

VVVVV PROMRCh = 1403 =
 1000 1010 1050 1220 1720
 1200 1160 1200 1360 1890
 1400 1160 1210 1360 1850
 1600 1130 1160 1330 1830
 1800 1050 1090 1250 1750
 2000 0750 0840 0880 1200
 2200 0570 0610 0650 0860
 0000 0530 0540 0600 0780
 0200 0520 0530 0580 0750
 0400 0530 0540 0590 0770
 0600 0460 0470 0530 0720
 0800 0790 0830 0990 1430

= AR

4735 kHz, 20-03, 0800 UTC

VVVVV PROMRCh = 2003 =
 1000 0980 1020 1180 1660
 1200 1140 1170 1330 1820
 1400 1160 1200 1340 1830
 1600 1100 1130 1280 1760
 1800 1060 1100 1260 1760
 2000 0780 0800 0900 1230
 2200 0590 0610 0670 0890
 0000 0550 0560 0620 0790
 0200 0520 0530 0590 0760
 0400 0530 0540 0600 0780
 0600 0450 0470 0520 0700
 0800 0780 0830 0980 1420

= ABV

VVVVV PROMRCh = 2003 =
 1000 0980 1020 1180 1660
 1200 1140 1170 1330 1820
 1400 1160 1200 1340 1830
 1600 1100 1130 1280 1760
 1800 1060 1100 1260 1760
 2000 0780 0800 0900 1230
 2200 0590 0610 0670 0890
 0000 0550 0560 0620 0790
 0200 0520 0530 0590 0760
 0400 0530 0540 0600 0780
 0600 0450 0470 0520 0700
 0800 0780 0830 0980 1420

= AR

4735 kHz, 23-03, 0800 UTC

VVVVV PROMRCh = 2303 =
 1000 1000 1040 1200 1670
 1200 1150 1190 1340 1830
 1400 1170 1210 1350 1840
 1600 1100 1140 1280 1760
 1800 1060 1110 1270 1770
 2000 0800 0820 0920 1240
 2200 0610 0630 0700 0910
 0000 0560 0570 0630 0810
 0200 0530 0540 0590 0770
 0400 0540 0550 0600 0780
 0600 0450 0470 0520 0710
 0800 0790 0840 0990 1430

= AR

VVVVV PROMRCh = 2303 =
 1000 1000 1040 1200 1670
 1200 1150 1190 1340 1830
 1400 1170 1210 1350 1840
 1600 1100 1140 1280 1760
 1800 1060 1110 1270 1770
 2000 0800 0820 0920 1240
 2200 0610 0630 0700 0910
 0000 0560 0570 0630 0810
 0200 0530 0540 0590 0770
 0400 0540 0550 0600 0780
 0600 0450 0470 0520 0710
 0800 0790 0840 0990 1430

= AR

April Logs**4735 kHz, 01-04, 0700 UTC**

VVV VVV PROMRCh = 01 04 =
 1000 1030 1070 1230 1710
 1200 1170 1210 1370 1870
 1400 1210 1250 1400 1880
 1600 1140 1180 1330 1810
 1800 1100 1140 1300 1790
 2000 0850 0880 0970 1300
 2200 0680 0700 0770 1000
 0000 0600 0610 0670 0860
 0200 0560 0580 0630 0810
 0400 0560 0570 0620 0810
 0600 0470 0480 0540 0730
 0800 0820 0860 1010 1460

= ABV

VVV VVV PROMRCh = 01 04 =
 1000 1030 1070 1230 1710
 1200 1170 1210 1370 1870
 1400 1210 1250 1400 1880
 1600 1140 1180 1330 1810
 1800 1100 1140 1300 1790
 2000 0850 0880 0970 1300
 2200 0680 0700 0770 1000
 0000 0600 0610 0670 0860
 0200 0560 0580 0630 0810
 0400 0560 0570 0620 0810
 0600 0470 0480 0540 0730
 0800 0820 0860 1010 1460

= AR

4375 kHz, 02-04, 0700 UTC

VVV VVV PROMRCh = 02 04 =
 1000 1020 1060 1210 1700
 1200 1170 1210 1370 1870
 1400 1210 1250 1400 1880
 1600 1140 1180 1330 1800
 1800 1100 1140 1300 1800
 2000 0850 0880 0980 1300
 2200 0690 0700 0770 1010
 0000 0600 0620 0680 0870
 0200 0570 0580 0630 0810
 0400 0560 0570 0630 0810
 0600 0470 0480 0540 0730
 0800 0810 0860 1010 1460

= ABV

VVV VVV PROMRCh = 02 04 =
 1000 1020 1060 1210 1700
 1200 1170 1210 1370 1870
 1400 1210 1250 1400 1880
 1600 1140 1180 1330 1800
 1800 1100 1140 1300 1800
 2000 0850 0880 0980 1300
 2200 0690 0700 0770 1010
 0000 0600 0620 0680 0870
 0200 0570 0580 0630 0810
 0400 0560 0570 0630 0810
 0600 0470 0480 0540 0730
 0800 0810 0860 1010 1460

= AR

4735 kHz, 03-04, 0700 UTC

VVVVV PROMRCh = 0304 =
 1000 1020 1060 1210 1700
 1200 1170 1210 1360 1850
 1400 1210 1250 1380 1870
 1600 1140 1170 1320 1790
 1800 1100 1140 1300 1800
 2000 0860 0880 0980 1310
 2200 0690 0710 0780 1010
 0000 0610 0630 0680 0880
 0200 0570 0580 0640 0820
 0400 0560 0580 0630 0820
 0600 0470 0490 0550 0740
 0800 0810 0850 1010 1450

= ABV

VVVVV PROMRCh = 0304 =
 1000 1020 1060 1210 1700
 1200 1170 1210 1360 1850
 1400 1210 1250 1380 1870
 1600 1140 1170 1320 1790
 1800 1100 1140 1300 1800
 2000 0860 0880 0980 1310
 2200 0690 0710 0780 1010
 0000 0610 0630 0680 0880
 0200 0570 0580 0640 0820
 0400 0560 0580 0630 0820
 0600 0470 0490 0550 0740
 0800 0810 0850 1010 1450

= AR

4735 kHz, 04-04, 0700 UTC

VVV VVV PROMRCh = 04 04 =
 1000 1010 1050 1200 1670
 1200 1160 1200 1350 1840
 1400 1200 1240 1380 1870
 1600 1130 1170 1320 1790
 1800 1090 1130 1290 1780
 2000 0860 0890 0990 1320
 2200 0700 0710 0780 1030
 0000 0610 0630 0680 0880
 0200 0570 0640 0820 0400
 0400 0560 0580 0630 0820
 0600 0480 0490 0550 0740
 0800 0800 0850 1000 1440

= ABV

VVV VVV PROMRCh = 04 04 =
 1000 1010 1050 1200 1670
 1200 1160 1200 1350 1840
 1400 1200 1240 1380 1870
 1600 1130 1170 1320 1790
 1800 1090 1130 1290 1780
 2000 0860 0890 0990 1320
 2200 0700 0710 0780 1030
 0000 0610 0630 0680 0880
 0200 0570 0640 0820 0400
 0400 0560 0580 0630 0820
 0600 0480 0490 0550 0740
 0800 0800 0850 1000 1440

= AR

4735 kHz, 05-04, 0700 UTC

VVV VVV PROMRCh = 05 04 =
 1000 1000 1040 1190 1660
 1200 1150 1230 1380 1830
 1400 1200 1180 1320 1850
 1600 1130 1170 1310 1780
 1800 1090 1130 1280 1770
 2000 0870 0890 0990 1330
 2200 0700 0720 0790 1040
 0000 0610 0630 0690 0880
 0200 0580 0590 0640 0830
 0400 0570 0580 0640 0820
 0600 0480 0500 0560 0750
 0800 0800 0850 1000 1430

= ABV

VVV VVV PROMRCh = 05 04 =
 1000 1000 1040 1190 1660
 1200 1150 1230 1380 1830
 1400 1200 1180 1320 1850
 1600 1130 1170 1310 1780
 1800 1090 1130 1280 1770
 2000 0870 0890 0990 1330
 2200 0700 0720 0790 1040
 0000 0610 0630 0690 0880
 0200 0580 0590 0640 0830
 0400 0570 0580 0640 0820
 0600 0480 0500 0560 0750
 0800 0800 0850 1000 1430

= AR

4375 kHz, 09-04, 0700 UTC

VVVVV PROMRCh = 09 04 =
 1000 0990 1030 1170 1620
 1200 1130 1170 1320 1780
 1400 1180 1210 1350 1820
 1600 1110 1150 1290 1750
 1800 1060 1110 1250 1730
 2000 0880 0910 1010 1350
 2200 0710 0730 0810 1050
 0000 0630 0650 0700 0900
 0200 0590 0600 0660 0850
 0400 0580 0590 0650 0840
 0600 0500 0520 0590 0820
 0800 0790 0830 0970 1400

= ABV

VVVVV PROMRCh = 09 04 =
 1000 0990 1030 1170 1620
 1200 1130 1170 1320 1780
 1400 1180 1210 1350 1820
 1600 1110 1150 1290 1750
 1800 1060 1110 1250 1730
 2000 0880 0910 1010 1350
 2200 0710 0730 0810 1050
 0000 0630 0650 0700 0900
 0200 0590 0600 0660 0850
 0400 0580 0590 0650 0840
 0600 0500 0520 0590 0820
 0800 0790 0830 0970 1400

= AR

4735 kHz, 06-04, 0700 UTC

VVVVV PROMRCh = 0604 =
 1000 1000 1050 1190 1650
 1200 1150 1190 1340 1820
 1400 1200 1230 1380 1850
 1600 1130 1170 1310 1770
 1800 1090 1130 1280 1760
 2000 0870 0900 1000 1330
 2200 0710 0730 0800 1050
 0000 0620 0640 0700 0890
 0200 0580 0590 0650 0830
 0400 0570 0580 0640 0830
 0600 0490 0510 0570 0770
 0800 0800 0850 0980 1430

= ABV

VVVVV PROMRCh = 0604 =
 1000 1000 1050 1190 1650
 1200 1150 1190 1340 1820
 1400 1200 1230 1380 1850
 1600 1130 1170 1310 1770
 1800 1090 1130 1280 1760
 2000 0870 0900 1000 1330
 2200 0710 0730 0800 1050
 0000 0620 0640 0700 0890
 0200 0580 0590 0650 0830
 0400 0570 0580 0640 0830
 0600 0490 0510 0570 0770
 0800 0800 0850 0980 1430

= AR

4735 kHz, 10-04, 0700 UTC

VVV VVV PROMRCh = 10 04 =
 1000 0980 1020 1160 1610
 1200 1130 1170 1300 1770
 1400 1170 1200 1340 1800
 1600 1100 1140 1280 1730
 1800 1060 1090 1240 1710
 2000 0880 0900 1010 1350
 2200 0710 0730 0810 1060
 0000 0630 0650 0710 0900
 0200 0600 0610 0660 0840
 0400 0580 0590 0650 0840
 0600 0500 0520 0590 0820
 0800 0780 0830 0970 1390

= ABV

VVV VVV PROMRCh = 10 04 =
 1000 0980 1020 1160 1610
 1200 1130 1170 1300 1770
 1400 1170 1200 1340 1800
 1600 1100 1140 1280 1730
 1800 1060 1090 1240 1710
 2000 0880 0900 1010 1350
 2200 0710 0730 0810 1060
 0000 0630 0650 0710 0900
 0200 0600 0610 0660 0840
 0400 0580 0590 0650 0840
 0600 0500 0520 0590 0820
 0800 0780 0830 0970 1390

= AR

4735 kHz, 07-04, 0700 UTC

VVV VVV PROMRCh = 07 04 =
 1000 1010 1050 1190 1650
 1200 1150 1190 1330 1810
 1400 1190 1220 1370 1840
 1600 1130 1170 1300 1770
 1800 1080 1120 1270 1750
 2000 0880 0900 1000 1340
 2200 0710 0730 0800 1050
 0000 0630 0640 0700 0900
 0200 0590 0600 0650 0840
 0400 0570 0590 0640 0830
 0600 0490 0510 0570 0770
 0800 0800 0850 0990 1420

= ABV

VVV VVV PROMRCh = 07 04 =
 1000 1010 1050 1190 1650
 1200 1150 1190 1330 1810
 1400 1190 1220 1370 1840
 1600 1130 1170 1300 1770
 1800 1080 1120 1270 1750
 2000 0880 0900 1000 1340
 2200 0710 0730 0800 1050
 0000 0630 0640 0700 0900
 0200 0590 0600 0650 0840
 0400 0570 0590 0640 0830
 0600 0490 0510 0570 0770
 0800 0800 0850 0990 1420

= AR

4735 kHz, 11-04, 0700 UTC

VVV VVV PROMRCh = 11 04 =
 1000 0970 1010 1140 1590
 1200 1110 1150 1290 1750
 1400 1160 1190 1330 1790
 1600 1090 1130 1270 1720
 1800 1040 1080 1230 1700
 2000 0880 0900 1010 1360
 2200 0710 0730 0810 1060
 0000 0640 0650 0710 0910
 0200 0590 0610 0660 0850
 0400 0570 0590 0640 0830
 0600 0500 0520 0600 0830
 0800 0780 0820 0960 1370

= ABV

VVV VVV PROMRCh = 11 04 =
 1000 0970 1010 1140 1590
 1200 1110 1150 1290 1750
 1400 1160 1190 1330 1790
 1600 1090 1130 1270 1720
 1800 1040 1080 1230 1700
 2000 0880 0900 1010 1360
 2200 0710 0730 0810 1060
 0000 0640 0650 0710 0910
 0200 0590 0610 0660 0850
 0400 0570 0590 0640 0830
 0600 0500 0520 0600 0830
 0800

= AR

4735 kHz, 08-04, 0700 UTC

VVV VVV PROMRCh = 08 04 =
 1000 1000 1040 1180 1640
 1200 1150 1180 1320 1800
 1400 1190 1220 1360 1830
 1600 1120 1160 1290 1760
 1800 1070 1110 1260 1740
 2000 0880 0910 1010 1350
 2200 0710 0730 0800 1050
 0000 0630 0650 0700 0900
 0200 0590 0600 0660 0840
 0400 0580 0590 0640 0830
 0600 0500 0510 0580 0780
 0800 0800 0840 0990 1410

= ABV

VVV VVV PROMRCh = 08 04 =
 1000 1000 1040 1180 1640
 1200 1150 1180 1320 1800
 1400 1190 1220 1360 1830
 1600 1120 1160 1290 1760
 1800 1070 1110 1260 1740
 2000 0880 0910 1010 1350
 2200 0710 0730 0800 1050
 0000 0630 0650 0700 0900
 0200 0590 0600 0660 0840
 0400 0580 0590 0640 0830
 0600 0500 0510 0580 0780
 0800 0800 0840 0990 1410

= AR

4735 kHz, 12-04, 0700 UTC

VVV VVV PROMRCh = 12 04 =
 1000 0970 1000 1140 1580
 1200 1110 1150 1280 1740
 1400 1160 1190 1320 1770
 1600 1090 1120 1260 1710
 1800 1040 1070 1220 1690
 2000 0880 0910 1010 1360
 2200 0720 0730 0810 1060
 0000 0640 0650 0710 0910
 0200 0590 0600 0660 0850
 0400 0570 0590 0640 0830
 0600 0510 0530 0610 0840
 0800 0780 0820 0960 1370

= ABV

VVV VVV PROMRCh = 12 04 =
 1000 0970 1000 1140 1580
 1200 1110 1150 1280 1740
 1400 1160 1190 1320 1770
 1600 1090 1120 1260 1710
 1800 1040 1070 1220 1690
 2000 0880 0910 1010 1360
 2200 0720 0730 0810 1060
 0000 0640 0650 0710 0910
 0200 0590 0600 0660 0850
 0400 0570 0590 0640 0830
 0600 0510 0530 0610 0840
 0800 0780 0820 0960 1370

= AR

4735 kHz, 21-04, 0700 UTC

VVVVV PROMRCh = 21 04 =
 1000 0960 1000 1120 1520
 1200 1090 1120 1250 1660
 1400 1140 1170 1290 1710
 1600 1070 1110 1230 1650
 1800 1020 1050 1190 1620
 2000 0920 0950 1050 1410
 2200 0760 0770 0850 1100
 0000 0690 0700 0760 0970
 0200 0640 0660 0710 0910
 0400 0610 0630 0680 0880
 0600 0580 0610 0690 0960
 0800 0790 0830 0950 1340
 = ABV =
 VVVVV PROMRCh = 21 04 =
 1000 0960 1000 1120 1520
 1200 1090 1120 1250 1660
 1400 1140 1170 1290 1710
 1600 1070 1110 1230 1650
 1800 1020 1050 1190 1620
 2000 0920 0950 1050 1410
 2200 0760 0770 0850 1100
 0000 0690 0700 0760 0970
 0200 0640 0660 0710 0910
 0400 0610 0630 0680 0880
 0600 0580 0610 0690 0960
 0800 0790 0830 0950 1340
 = AR

4735 kHz, 22-04, 0700 UTC

VVVVV PROMRCh = 2204 =
 1000 0970 1000 1120 1530
 1200 1100 1130 1250 1670
 1400 1140 1170 1290 1710
 1600 1070 1110 1230 1690
 1800 1020 1060 1190 1610
 2000 0930 0950 1060 1600
 2200 0760 0780 0850 1180
 0000 0700 0710 0770 0980
 0200 0660 0670 0730 0920
 0400 0620 0630 0690 0890
 0600 0590 0610 0700 0970
 0800 0800 0840 0960 1360
 = ABV
 VVVVV PROMRCh = 2204 =
 1000 0970 1000 1120 1530
 1200 1100 1130 1250 1670
 1400 1140 1170 1290 1710
 1600 1070 1110 1230 1690
 1800 1020 1060 1190 1610
 2000 0930 0950 1060 1600
 2200 0760 0780 0850 1180
 0000 0700 0710 0770 0980
 0200 0660 0670 0730 0920
 0400 0620 0630 0690 0890
 0600 0590 0610 0700 0970
 0800 0800 0840 0960 1360
 = AR

4735 kHz, 23-04, 0700 UTC

VVV VVV PROMRCh = 23 04 =
 1000 0980 1010 1130 1540
 1200 1100 1130 1250 1670
 1400 1140 1170 1290 1710
 1600 1070 1100 1230 1650
 1800 1020 1060 1190 1620
 2000 0930 0960 1060 1410
 2200 0760 0780 0850 1100
 0000 0700 0710 0770 0980
 0200 0660 0670 0730 0920
 0400 0620 0630 06E0 0880
 0600 0590 0620 0700 0970
 0800 0810 0850 0970 1370
 = ABV
 VVV VVV PROMRCh = 23 04 =
 1000 0980 1010 1130 1540
 1200 1100 1130 1250 1670
 1400 1140 1170 1290 1710
 1600 1070 1100 1230 1650
 1800 1020 1060 1190 1620
 2000 0 30 0960 1060 1410
 2200 0760 0780 0850 1100
 0000 0700 0710 0770 0980
 0200 0660 0670 0730 0920
 0400 0620 0630 0690 0880
 0600 0590 0620 0700 0970
 0800 0810 0850 0970 1370
 = AR

4735 kHz, 24-04, 0700 UTC

VVVVV PROMRCh = 24 04 =
 1000 0980 1010 1130 1530
 1200 1100 1130 1260 1670
 1400 1140 1170 1300 1710
 1600 1070 1110 1230 1650
 1800 1030 1070 1190 1630
 2000 0940 0960 1070 1410
 2200 0760 0780 0850 1110
 0000 0700 0710 0770 0980
 0200 0660 0680 0730 0930
 0400 0620 0630 0690 0890
 0600 0590 0620 0700 0980
 0800 0810 0840 0970 1360
 = ABV =
 VVVVV PROMRCh = 24 04 =
 1000 0980 1010 1130 1530
 1200 1100 1130 1260 1670
 1400 1140 1170 1300 1710
 1600 1070 1110 1230 1650
 1800 1030 1070 1190 1630
 2000 0940 0960 1070 1410
 2200 0760 0780 0850 1110
 0000 0700 0710 0770 0980
 0200 0660 0680 0730 0930
 0400 0620 0630 0690 0890
 0600 0590 0620 0700 0980
 0800 0810 0840 0970 1360
 = AR

4735 kHz, 25-04, 0700 UTC

VVV VVV PROMRCh = 25 04 =
 1000 0980 1020 1140 1540
 1200 1110 1150 1270 1680
 1400 1150 1180 1300 1720
 1600 1070 1110 1230 1650
 1800 1030 1070 1190 1630
 2000 0940 0970 1070 1410
 2200 0770 0790 0860 1120
 0000 0710 0720 0780 0990
 0200 0670 0680 0730 0940
 0400 0620 0640 0690 0890
 0600 0600 0630 0710 0980
 0800 0820 0850 0980 1370
 = ABV
 VVV VVV PROMRCh = 25 04 =
 1000 0980 1020 1140 1540
 1200 1110 1150 1270 1680
 1400 1150 1180 1300 1720
 1600 1070 1110 1230 1650
 1800 1030 1070 1190 1630
 2000 0940 0970 1070 1410
 2200 0770 0790 0860 1120
 0000 0710 0720 0780 0990
 0200 0670 0680 0730 0940
 0400 0620 0640 0690 0890
 0600 0600 0630 0710 0980
 0800 0820 0850 0980 1370
 = AR

26-04 Not monitored

4735 kHz, 27-04, 0700 UTC

VVV VVV PROMRCh = 27 04 =
 1000 1000 1030 1150 1550
 1200 1120 1160 1280 1700
 1400 1160 1200 1310 1730
 1600 1090 1130 1250 1670
 1800 1050 1080 1210 1640
 2000 0960 0980 1080 1420
 2200 0790 0810 0880 1140
 0000 0720 0740 0800 1010
 0200 0680 0700 0760 0960
 0400 0640 0650 0710 0910
 0600 0620 0640 0730 1000
 0800 0830 0870 0990 1390
 = ABV
 VVV VVV PROMRCh = 27 04 =
 1000 1000 1030 1150 1550
 1200 1120 1160 1280 1700
 1400 1160 1200 1310 1730
 1600 1090 1130 1250 1670
 1800 1050 1080 1210 1640
 2000 0960 0980 1080 1420
 2200 0790 0810 0880 1140
 0000 0720 0740 0800 1010
 0200 0680 0700 0760 0960
 0400 0640 0650 0710 0910
 0600 0620 0640 0730 1000
 0800 0830 0870 0990 1390
 = AR

4735 kHz, 28-04, 0700 UTC

VVV VVV PROMRCh = 28 04 =

1000 1010 1040 1170 1570
 1200 1130 1160 1280 1710
 1400 1170 1200 1320 1730
 1600 1100 1130 1250 1680
 1800 1060 1090 1220 1650
 2000 0960 0990 1080 1420
 2200 0800 0820 0890 1140
 0000 0730 0750 0810 1020
 0200 0700 0710 0770 0970
 0400 0640 0660 0720 0920
 0600 0630 0650 0740 1010
 0800 0840 0880 1000 1400

= ABV

VVV VVV PROMRCh = 28 04 =

1000 1010 1040 1170 1570
 1200 1130 1160 1280 1710
 1400 1170 1200 1320 1730
 1600 1100 1130 1250 1680
 1800 1060 1090 1220 1650
 2000 0960 0990 1080 1420
 2200 0800 0820 0890 1140
 0000 0730 0750 0810 1020
 0200 0700 0710 0770 0970
 0400 0640 0660 0720 0920
 0600 0630 0650 0740 1010
 0800 0840 0880 1000 1400

= AR

29-04. Not monitored**4375 kHz, 30-04, 0700 UTC**

VVVVV PROMRCh = 3004 =

1000 1000 1030 1150 1560
 1200 1130 1160 1280 1690
 1400 1170 1200 1310 1730
 1600 1100 1140 1260 1680
 1800 1060 1100 1230 1660
 2000 0970 0990 1090 1420
 2200 0800 0820 0890 1140
 0000 0740 0750 0810 1030
 0200 0710 0720 0780 0990
 0400 0650 0660 0720 0930
 0600 0630 0650 0740 1020
 0800 0840 0870 1000 1400

= ABV =

VVVVV PROMRCh = 3004 =

1000 1000 1030 1150 1560
 1200 1130 1160 1280 1690
 1400 1170 1200 1310 1730
 1600 1100 1140 1260 1680
 1800 1060 1100 1230 1660
 2000 0970 0990 1090 1420
 2200 0800 0820 0890 1140
 0000 0740 0750 0810 1030
 0200 0710 0720 0780 0990
 0400 0650 0660 0720 0930
 0600 0630 0650 0740 1020
 0800 0840 0870 1000 1400

= AR

UM05**5345.8 kHz**

01-04 i.p. MWOB KEQU ZJX SZQP OPXB VJEZ QQRC etc.

02-04 i.p. TSAJ VLUT AKMW CVUC DXFH UMZP AUAC MGWM MRFJ ZQEX JTOR etc.

03-04 i.p. ISTR XFSQ BGPA AXAK VGWC LDBF XJTR etc.

04-04 i.p. WOSI LQJN QCAD HHEV DZMS HJVN VAKV AJWC EZWI QGWF WESM WMOA AFHU XZDE etc.

05-04 i.p. VBJX HHQK JMES MSYV NWUA UMLG BMEH TBCR CZWA AHDT CXSP UZDY etc.

Not found between 6 and 8 April.**08-04 Format change. It now repeats one word for a while and then moves on to the next word.**

08-04 Lac (R), Livre (R), Aout (R), Port (R), Moto (R), Fume (R), G (R), U (R), etc.

09-04 Le (R), Parc (R), Hibou (R), etc.

Not found between 10 and 15 April

15-04 i.p. Key (R), M (R), O (R), U (R), etc.

16-04 i.p. Eau (R), B (R), etc. and R (R), N (R), Prairie (R), Foret (R), etc.

17-04 i.p. Ear (R), Chemin de fer (R), Volcan (R), etc.

18-04 i.p. Public (R), Lait (R), L (R), etc.

19-04 i.p. Pigeon (R), F (R), etc.

20-04 i.p. Sable (R), Examen (R), etc.

21-04 i.p. Vitesse (R), etc.

22-04 not monitored

23-04 not monitored

24-04 i.p. Cuisine (R), S (R), etc.

25-04 i.p. Television (R), Direction (R), etc.

26-04 i.p. Tremblement de terre (R), etc.

27-04 i.p. Voiture (R), Phase (R), etc.

28-04 i.p. Pluton (R), Riviere (R), etc.

29-03 i.p. Fourchette (R), Q (R), etc.

30-04 i.p. M (R), Acide (R), etc.

DIGITAL MODES

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

M42 – various modes

6508 kHz, 14-04, 0653 UTC, CW + 50bd/36Hz FSK. Note the very narrow shift. They normally use 500Hz.

R 773 0653 K

QCT1 ZZC K

RTTY was too poor to copy

CFM NIL SK

Link 70103 Moscow <> Havana

16156 kHz, 04-04, 1300 UTC, FSK CW + FSK 75/500

Moscow sending a message to UAG: Havana (QSOX 18726 kHz, FSK 100/500)

11100 70103 12354 04064 04009
00948 96737 76954 31578 33344 15242 64093 00419 43569 .7932
42698 55816 15547 48289 24480 02894 82679 47272 58936 87640
42469 95156 86293 80402 __ 716 36288 05006 32126 81486 02675
33498 01794 88042 37376 70819 78487 76908 83600 85929 46519
42279 50478 90265 67066 84938 91418 73317 74748 88892 56012
05859 12578 89888 01398 40558 53736 78029 74048 64632 83597
01639 97893 84238 40443 64603 29742 45294 38309 34345 67906
20410 20398 02632 25013 16622 16494 66406 00883 83612 02820
20821 16473 27109 87773 81668 94771 57144 71980 79398 99610
25867 56100 91891 68328 34591 94823 08207 99213 14771 20502
40457 79671 12593 84835 26033 6605 31861 92173 87329 51083
14875 22155 41196 79815 65987 67219 75267 00070 47515 29947
33384 58275 02712 57142 77283 76661 85469 07016 16741 72731
01454 73589 25360 06968 90345 16675 84197 69683 03891 70845
20402 42985 59427 31863 33063 98760 73603 43970 23455 18648
05946 36510 71__9 46906 66980 83293 28163 12138 70603 83157
08406 78800 35360 85157 14479 14432 64350 06822 19154 83545
58430 18910 83628 04114 42403 95114 99778 27594 08882 50142
74315,28424 09523 14608 97008 13927 48300 20186 60191 90566
56533 93452 21715 47485 54319 81853 28556 43264 28100 60245
43245 0684_ 19014 91429 40326 88559 21750 39144 65013 +2762
38558 56914 71245 83876 18146 01239 81329 59326 34110 42515
34342 54318 42611 72165 15494 10414 03973 29388 83641 11224
57900 95974 39124 90356 06988 32632 99126 76974 88225 55248
72747 39875 37179 74529 52953 16049 74528 47466 67633 34654
6770 14038 56903 72325 61002 17625 68881 00778 37777 32534
91100 12_35 12871 4718_ 59756 36406 41506 75805 13973 76573
65402 98784 87275 39704 87107 52291 53459 32547 04195 18413
69040 43024 58016 87574 79472 40083 76686 92219 81327 53331
16998 35128 57611 18385 34942 60790 28422 98889 39542 43321
84119 211+1 09666 89176 9328_ 82185 78515 78565 02098 17536
15482 93266 68987 39110 60053 05007 98962 79651 87453 22404
72595 04390 10715 20066 85163 75921 48858 98249 38712 83263
15878 46531 54134 70989 10212 09906 95455 29415 09389 80781
23514 31748 99540 65277 21221 29151 94460 97279 57598 _9_50
23905 98691 82761 91830 95819 09309 71058 09257 62175 34765
54530 46546 43108 85972 13899 13049 89048 08521 19259 45053
85526 25433 37666 12475 30333 41757 49801 70946 37740 84400
42914 95260 49458 75660 72213 55095 5-018 63880 07912 18964
65261 59677 10092 97320 51640 51165 98604 60773 01000

12182 kHz, 03-04, 1118 UTC, FSK CW + FSK 100/500

UAL UAL UAL
UAL UAL UAL K
QSA4 QSA? K
RPT K
RPT K
VVVV
VVVVVVVV
QSA4 QSA? K
QTC1 EEEEE QRU? K
QRU? K
QRQ 100 QBN K
QRQ Q00 QBN K
QRQ 100 QBN K
K
BK BK
QBN K
BK BK QSP T DT K
RPT K
QRV RATT QRQ4 CFM
QDN K
BK QRV K
QSP PBL QRV K
QSP PBL QRV K
RPT K
ORT 3001 ? K
AS 3 K
VVV QSP PBL GR4 3001 CFM? K
QSL 11100 60102 17484 03001 03503 K
QTC1 K

RYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

11100 60102 47102 03007 02009
6038_ 57__ 85146 60339 19918 30733_ 8684 79017 64635 42900
12063 06949 51202_ 088 99284 93760 52539 71894 97190 97238
45231 48512 29172 17149 22437 10987 64695 15116 9972 219099
8_ 269 06455 04259 27602 40578 3_ 925 78_ 9_ 390 ____ 5 1324_ 5
71032 35903_ 07__ _1875 47759 85400 72569 10____ 8176 10653
40437 78720 80998 55681 59410 70757 5_ 922 5099_ 2_ 625 98690
89319 30226 29840 09699 87789 9815_ 20038 26697 06172 79269
45302 76320 26906 56467 08152 1_ 623 55394 67276 __ 717 74329
66387 92032 19547 53285 26_ 92 58372 88442 __ 295 170__ 99742
12063 06949 51000 68785 99214 93760 52539 71894 97190 97237
45231 48510 29182 17149 22437 10987 64695 15116 99972 21909
84269 06455 04259 27602 40578 34925 19823 64363 83445 66324
71032 35903 40764 61875 47759 85403 72569 109__ 00176 10653
40437 78720 68733 95681 59410 70757 54922 5799+ 2_ 625 98690
89319 30226 29840 09699 74789 38515 20038 24669 70617 27926
45302 76200 23905 56468 08152 1__ 23 55394 67276 21517 65432
66387 92032 19547 53285 26492 58372 88442 24295 16835 99729
12063 06949 51002_ 8785 9921_ _9370_ 5259 71894 97190 97237
45231 48512 29172 17149 22437 10987 64695 15113 36972 21909
09489 30081 96465 91145 99728 58669 00610 59182 14773

CFM NIL K
SK

16156 kHz, 11-04 , 1246 + 1248 UTC, FSK CW: VVV

16156 kHz, 11-04 , 1300 UTC, FSK CW + FSK 75/500

QSA 4 QRU K
QRQ 75 QRU? K
QRQ 75 QBN K
BK QRV K

BK BK ABT 20 K
QSL 1 K
OK

RYY

11100 70103 13467 11069 04009
51728 77735 71160 42370 79506 98972 31944 33619 44172 23301
53010 08248 24660 66652 95350 52840 36968 99438 38042 72906
34308 90995 19252 91679 69831 67029 42189 73622 82911 84729
69435 89820 94884 55247 54093 67474 25209 68230 81179 90638
63965 98082 17725 44436 61649 96668 94989 19911 22179 02114
71251 21708 10070 18413 48596 45782 07702 45531 42152 19304
83626 64671 25196 19970 57839 08412 98585 16887 74973 70394
57940 00231 21327 34244 57010 91857 46692 26424 90681 54065
76888 22696 46044 38685 27974 62887 94963 43686 58038 53643
26592 69498 17545 63851 43263 92220 84135 42441 68202 95918
92849 13218 38485 31181 97690 26450 81693 92147 25479 71870
99699 29168 07922 82802 08015 39302 02851 86076 04141 01834
40553 77436 63366 50998 56138 27132 85441 03095 93876 45359
40566 80191 94450 62264 88132 97590 01052 02178 66665 07259
45263 56777 78380 14396 98663 86866 16819 09339 01096 07450
10980 81981 01525 35797 84398 10911 72442 07185 52598 44424
83731 88004 07364 15640 46952 40910 61266 58869 65968 21719
50878 19454 54861 12723 22120 74239 09064 22131 46173 04886
40664 04291 39394 91197 13792 80419 85670 16657 41053 64497
84661 03357 26930 24026 74346 18512 69092 30345 01331 19742
53561 78175 37347 31308 04650 79100 65380 68500 75633 58650
83860 52348 91075 11694 02360 81861 76756 95814 27231 55967
38131 67366 60624 62349 73263 89886 61324 75368 31171 69569
40832 30245 51514 97464 93149 65710 46572 03114 81683 52293
11446 49295 31723 48441 73411 22568 01916 51666 16383 99303
33186 36886 41398 91903 98539 99174 49088 04862 02173 43081
55050 55397 01342 85727 74070 38313 49426 65860 34130 39780
83615 76045 06137 29747 05667 60194 60316 87631 29162 43617
85197 41021 91709 87770 30138 22032 55525 86914 57321 71037
44829 48834 14157 42456 93491 26851 62040 92261 01380 95272
22390 51929 22825 85496 25906 18498 35660 24949 75995 15420
64263 46032 62290 03915 55034 57291 85199 49487 27760 93965
77442 73315 51292 90127 33477 43184 16976 39590 82794 83663
08274 37771 67980 10204 90019 21700 13515 16855 65733 50357
96219 72275 76444 92541 53313 03742 39456 14428 88992 73817
50485 84036 65494 79405 97623 34769 89562 27833 60552 55231
30265 69683 93437 97495 29092 93056 14976 21019 88286 08936
53980 14388 48319 82357 23996 62089 90479 89074 25334 48477
25487 02385 98004 16148 54081 39835 73949 20883 10525 24466
02041 50374 24947 40300 44261 98895 65479 86756 66526

MY QSP QRZ QDG 2 QSA? K
CFM NIL K

16156 kHz, 18-04, 1300 UTC, FSK CW + FSK 75/500
18726 kHz, 18-04, 1300 UTC, FSK CW + FSK 100/500
MFA Moscow (UAL) wkg Russian embassy Havana (UAG)

UAL: UAL UAL UAL QSA4 QRQ 100 QBN K
QRQ 100 QBN K
BK K

UAG: UAG UAG UAG QSA3 QTC1 K

UAL: BK BK ABT2 ABT2 K

UAG: QTC1 K

OK

RTTY message 11100 70103 74289 18072 04003

CFM QRQ 75 QBN K

UAL: QSL1 K

RTTY message 11100 70103 15896 18072 04009

CFM MY QSP QRZ QDG2 QSA? K

UAG: BK BK K

UAL: CFM NIL K

UAG: QSL1 K

UR QRZ QDG2 QSA2 K

SK

UAL: SK

UAL: MFA Moscow to UAG: Russian embassy Havana

RYYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

11100 70103 15896 18072 04009

13370 34373 96701 82819 50350 20588 99080 74958 30928 16149
06544 92121 73679 03166 50813 73744 54960 34302 24573 05106
85420 59060 31664 62023 02226 28687 30336 20881 87956 34369
43010 01178 52089 58428 30977 32778 36022 43186 57477 65068
27572 07192 87598 60181 95878 63504 98426 37501 82659 19709
97883 61618 10749 64363 75701 90934 95855 69551 34959 29094
72491 64245 77618 46441 69985 58151 42514 63676 99538 20729
19209 14919 38252 45078 86171 32335 21066 51380 46711 19553
76541 09562 61097 06023 67430 85907 98312 99526 21973 43263
55872 79016 66844 49557 21144 94978 97710 74300 72610 69497
48309 77763 44517 13219 44012 22521 03324 01393 50792 62043
09423 76187 55537 86025 62540 67458 38657 27148 54269 49164
24901 58942 76170 73614 23346 39463 56873 50733 92477 80448
26624 64534 91305 46652 32706 43989 02456 15044 54181 30476
38168 48558 89383 09002 65145 64078 14605 95373 09183 99352
37407 96525 25527 08520 93008 86167 45891 40932 57159 62960
38064 82978 73976 83394 39063 67567 22143 86563 47751 80985
67930 53021 87870 21802 78474 64908 77421 91510 93741 59533
65321 21601 80624 93599 21300 66737 17605 60266 89935 18748
83415 26228 44810 21088 48152 80997 03679 88495 90256 15588
90628 61495 87819 72775 56137 50463 57639 36132 90986 48925
40466 50012 94953 20784 55882 87688 86229 91153 75240 09816
62499 95504 86117 80416 49616 66786 46696 32574 98811 65234
53538 01020 18379 80535 71162 63798 50768 61043 96887 60208
31025 49738 59357 77199 87518 31607 74201 21407 70890 22136
05259 19030 22163 51611 04804 10718 15948 24896 31219 33671
39685 61395 67542 08132 94859 44880 89332 70462 31126 37855
55287 19987 49281 40177 19054 71794 34020 96586 85669 32683
02419 82866 61065 42440 79071 25287 68075 47639 33831 33049
27391 00144 43082 48402 26886 97506 60486 44118 27767 07454
08136 23027 80971 43630 24064 99281 52259 84811 27025 66053
79433 54756 84513 79337 10128 04887 94930 12565 93596 66997
19856 61694 24946 68161 27351 05489 65248 25041 32239 50649
85965 59768 44286 16498 11136 04611 60243 38907 55738 87575
60661 98148 83704 16178 97435 00356 33978 01523 83009 67289
88092 89921 17174 14090 77680 94206 12402 19706 55370 41942
03661 19685 77490 82717 53627 76017 72036 21716 89252 03717
90318 71725 30619 58826 65754 40813 98008 17540 28209 97815
08140 01120 47352 82857 95498 26309 03454 55074 19706 85912
09057 94731 44857 89250 29966 01924 01771 17151 78992

UAG: Russian embassy Havana msg to UAL: MFA Moscow

RYYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

11100 70103 74289 18072 04003

05340 85275 70919 19677 74521 04793 06422 41156 48881 88250
66279 74659 94399 40525 24412 15822 86208 97018 31540 61779
02629 87997 03278 97019 73213 70543 58650 29734 79226 28717
69651 83339 30006 45113 07767 72860 63641 99994 98413 20867
45403 56803 19226 92650 62369 29024 03103 55324 37672 45188

32103 90534 12820 54220 32696 15475 71518 38296 09015 91893
03431 25409 74337 27766 31335 18830 67171 01342 50052 85655
62717 62232 50689 71617 15686 89245 28530 34356 95402 09641
98067 12332 99126 09499 63606 71574 54538 89891 18865 97445
47320 48543 74020 23621 54773 91663 33631 15446 31409 05647
73878 49896 77444 43317 92559 59292 26155 04422 30272 03975
11004 15038 86230 80129 78405 35603 77143 37937 90695 52238
12604 22248 82342 31068 85406 82960 86493 40205 00261 39296
59646 69111 89306 51154 72272 99997 87895 92738 47692 10693
69048 13642 61242 15595 60058 25569 92658 68590 89650 21901
42627 92298 39148 32270 49423 03664 96075 83348 66595 46376
33652 90025 87613 57886 64587 18175 28437 25962 42642 86181
03917 14491 10373 97432 58996 63205 16512 20954 40628 91018
51408 62369 21351 57668 73924 92392 10463 63340 28576 25015
13738 90975 75298 62594 27604 20934 82032 50020 78739 72712
51807 05157 45022 53403 83824 17737 18708 17572 91614 33897
97977 68255 26759 68558 17448 53754 81620 12809 53926 39920
69514 28506 68143 62614 05754 47271 68471 90029 38015 16061
07543 49563 99460 96914 47724 98933 83043 30253 56379 46213
60451 27328 16843 48481 94108 19997 66062 43776 15689 49023
26139 96036 69563 34677 71597 57715 44630 02640 75634 79759
42974 55983 50771 23641 58734 93415 15362 55123 65731 10997
89577 24458 37169 59485 25923 62690 45925 66527 53902 48761
18842 01854 74792 27137 43457 04699 67446 80514 50618 90598
91071 87524 21407 79783 95913 19883 91822 14334 77793 58824
53654 56210 37430 35449 74980 83921 30478 24689 88740 28302
19235 47574 22806 17432 61937 61480 69991 20052 00601 43061
21449 06354 33326 93537 11878 67773 82019 21043 49984 63056
91454 79702 32639 82776 20629 70139 66156 49501 12334 31096
43147 95787 51892 76853 48369 87199 50987 60138 92024 82531
17532 65214 93929 48427 97503 60821 67009 70574 99701 67683
73538 28683 39339 20236 52576 27403 61425 27299 42034 00402
29875 61342 43801 29763 93268 31074 05384 47912 63221 16995
16479 14245 66274 74647 43928 83651 55271 35216 53490 09123
91136 58180 91866 45624 31006 15716 27419 47433 83637

16156 kHz, 25-04, 1300 UTC, FSK CW + FSK 75/500

UAL: MFA Moscow message to UAG: Russian embassy Havana. Too weak to decode

M42b – FSK 50/500

12212 kHz, 01-04, 1230 UTC, CW + FSK 50/500

K4MT K4MT K4MT DE NT9P NT9P K

QSA2 QSA? K

ZVP K

QRV K K

R 766 1233 K

QTC1 ZC K

RYYRYRYRYRYRYRYRYRYRYRYRY

321 100 1 1230 5476 =

34498 72410 16769 41386 53803 22259 60949 69794 81427 91722

21371 28119 42929 79131 49404 42007 44705 76040 74722 84095

60255 60164 35943 93079 52720 17267 55319 96595 12524 25246

69264 79704 49801 80661 44857 81326 06304 72831 14095 78304

16719 69179 42998 04983 09267 94126 86522 44584 41128 35646 =50=

71998 43720 09424 90831 83618 61342 06131 86626 11059 32208

01171 02812 07486 02370 68770 15902 83363 34304 15051 29900

34267 82929 40476 90811 10487 91920 10986 50848 84526 29119

88831 63940 49677 93190 20103 15938 96817 65571 39145 65587

10730 07523 74753 29146 32502 36316 96370 41456 58395 21344 =100=

-1236(

CFM NIL K
SK

10352 kHz, 03-04, 1142 UTC, CW + FSK 50/500

V?
KFUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ ROHZ10CAUJ RTHZLQPCAUJ
RTHZLQPCAUJ RTHZLQPZ3/SGJCKZ YI OOOOOOOOOO TOOOOOOOOO TOOOOOOOOO (repeated)

NT9P NT9P NT9P DE K4MT K4MT QSA3 QSA? K
QTC1 ZZV K

RYYRYYRYYRYYRYYRYY
951 100 3 1135 1234 =
54992 31301 33092 75840 81386 79489 80589 09016 22654 87017
33684 53634 94389 78782 95543 75521 46376 30619 99401 51860
37570 06846 43932 28248 18237 07425 38520 7__18 46931 48293
40083 24741 41652 ___08 78824 33123 22688 44425 98832 20159
54724 88786 91108 60637 16775 04601 06835 49105 07042 29067 =50=
82464 95761 33530 02047 08292 22993 12394 60474 86446 90396
23844 84426 65285 38229 24808 37432 24855 39314 35394 53637
94624 23755 53907004084 75011 44696 06220 63598 69913 99583
08517 53947 19132 31771 91113 69046 04895 95501 15749 39666
96584 79052 41599 06701 97720 02070 23956 59018 46578 93944 =100=
-1152{

CFM NIL QRU? K
ZVP K
BK BK QRV K
RPT K
RPT K
R 490 1157 K
SK

10352 kHz, 04-04, 0830 UTC, CW + FSK 50/500

NT9P NT9P NT9P DE K4MT K4MT K
NT9P NT9P NT9P DE K4MT K4MT K
QSA3 QSA? K
OK ZVP K
BK BK QRV K
RPT K
RPT K
K
R 334 0836 K
R 3
R 334 0836 K
QTC1 ZZC K

RYYRYYRYYRYYRYYRYYRYY
953 100 4 0830 4374 =
20544 69748 48267 70886 09459 76166 87796 19798 35564 71333
78942 78627 56130 31573 93045 37636 66536 63778 58173 34797
95304 53615 73787 32830 13883 15208 72449 68032 51465 75463
92569 19469 56822 83263 86256 85706 11659 85097 51912 15514
80653 03710 85620 06862 23146 58152 67655 72781 53146 54421 =50=
48901 11189 45515 95836 93701 72764 78453 02453 67881 83805
93657 16715 61461 74919 97098 58236 46508 71491 44097 94975
63224 03891 03389 05760 20099 58846 53100 53459 75137 87159
30512 38589 22403 19656 57360 06564 47792 72873 35257 76538
71722 90347 56196 07535 92262 83959 44422 21317 41453 59197 =100=
-0839{

RPT K
CFM NIL SK

12212 kHz, 05-04, 1230 UTC, CW + FSK 50/500

K4MT K4MT K4MT DE NT9P NT9P K

QSA3 QSA? K

ZVP K

BK QRV K

841 K

BK QRV K

K

R 205 1232 K

QTC1 ZCZC K

RYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY

346 100 5 1227 707.=

54861 30313 14405 08759 99910 88049 99030 08558 78341 04133
18880 75126 10510 16771 54274 59369 60905 25601 55581 12371
76221 87676 17307 30055 18126 10538 30365 60638 02131 24568
68230 05667 29841 38186 95419 81179 61606 20913 33515 78894
00636 18032 89875 98195 65762 28682 75009 81733 40323 73395 =50=
38737 76515 23846 36695 95926 09332 67005 22769 14372 99718
50122 16030 28356 68927 79238 62283 33608 21518 81688 18912
99762 63744 40256 31477 36417 62499 98180 36748 45492 92674
30732 34948 69650 00106 67150 16780 29250 99178 04734 95756
41051 46303 77881 36756 81112 30759 73353 75476 27434 30535 =100=
-1237=

CFM NIL K

SK

10352 kHz, 11-04, 1340 UTC, CW + FSK 50/500

NT9P NT9P NT9P DE K4MT K4MT K

NT9P NT9P NT9P DE K4MT K4MT K

QSA3 QSA? K

QTC1 ZCZC K

RYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY

789 100 11 1335 9284 =

789 100 11 1335 9284 =

91028 04875 54516 95574 72816 30833 87882 24376 05371 94435
43306 31535 45115 09976 79503 17535 62310 01524 95553 11081
83390 95090 82749 84263 69216 34751 84691 29525 97306 26516
53918 61172 61396 84815 02702 75645 22187 50768 55487 52778
95059 32667 52603 05816 77275 60620 61985 19884 98619 22389 =50=
85582 58755 54885 61970 90355 94706 01291 29802 77429 42689
12298 85407 08506 28110 78599 48827 80495 84517 51494 18427
38703 79233 00989 40085 37339 54799 01434 04295 54699 45260
90175 17249 10341 25095 07254 22678 39525 28967 84262 15248
86368 75738 76602 28687 12502 20138 59902 83217 20605 08687 =100=
-1344(

CFM NIL QRU? K

ZVP K

BK QRV K K

R 747 1347 K

NIL SK

12212 kHz, 12-04, 1230 UTC, CW + FSK 50/500

K4MT K4MT K4MT DE NT9P NT9P K

QSA3 QSA? K

ZVP K

BK QRV K K

R 272 1233 K

QTC1 ZCZC K

RURYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

154 100 12 1230 1656 =
41335 06069 51936 74516 53627 39264 41948 29058 87859090648
63100 38227 36965 02725 02693 78877 02825 96944 17296 88118
73212 09893 86795 50911 67797 66185 63044 40917 80616 81965
21104 46296 17390 36674 09277 50757 99083 97238 53804 63693
38223 06353 60482 48627 90165 47869 51290 59232 01985 28839 =50=
40954 41626 87243 77572 04501 91277 22022 74764 39997 01820
01571 53186 59889 88659 39342 03596 77733 21829 46976 73294
39775 90725 01963 60839 30986 39093 07051 11453 85197 60155
15643 06372 19624 41423 49021 99137 04867 15800 45487 12061
23479 83099 65594 32945 75714 31816 39103 82549 36551 94385 =100=

SK
CFM NIL K
SK

10352 kHz, 12-04, 1237 UTC, CW + FSK 50/500

KFUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ
RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ (R5m22s)

NT9P NT9P NT9P DE K4MT K4MT K
QSA3 QTC1 ZYC K

RURYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

214 100 12 1237 6416 =
20520 73505 89316 76511 44163 51190 53232 29257 83194 14182
88798 32918 55406 12098 07808 10508 25357 99410 39816 09294
76586 76046 30697 38994 57907 07677 73770 52939 40330 01616
11352 41361 57783 35102 24713 60917 36400 80823 27809 13439
05113 33446 50171 55518 31651 21544 39418 04164 97846 32917 =50=
05017 28785 72123 55861 77081 68433 67471 48115 68437 57409
36903 16515 58323 96304 56712 58857 02538 04722 14648 10062
62163 35585 89931 70283 80678 04518 63082 92642 44242 75402
84924 40378 77198 69739 70079 19108 72930 30979 68169 43949
08917 04911 27964 22154 83840 00120 73074 99363 59164016982 =100=
-1246{

CFM NIL QRU?
ZVP K
BK BK QRV K
RPT K
BK ZVP K
BK ZVP K
BK QRV K
BK ZVP K
BK BK QTV K
RPT K
K
R 215 1252 K
SK SK

12212 kHz, 15-04, 1227 UTC, CW + FSK 50/500

VVV
K4MT K4MT K4MT DE NT9P NT9P K
QSA3 QSA? K
ZVP K
BK BK QRV K
K
R 571 1233 K
QTC1 ZYC K

RURYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

RYYRYRYRYRYRYRYRYRYRYRY

846 100 25 1228 8618

846 100 25 1228 8618 =

79150 53985 97681 01829 60324 36675 07137 98379 03346 99345

31788 75236 93982 75073 15869 04393 68029 78227 10275 12775

41510 75323 88370 78391 65918 00195 34727 41681 69714 01186

31302 83762 63586 08141 54124 71940 71421 12180 11995 60917

91707 77581 28026 91495 32789 03190 73284 46672 22148 33565 =50=

47498 88814 81619 41951 39313 89237 28268 77568 08567 31544

84619 73951 74304 99054 61500 53974 51392 37686 26872 97749

18219 60508 95237 71718 10173 13031 74760 02730 30348 98756

01908 78265 61249 11483 68817 43057 66892 43427 93904 78189

00564 79935 48693 70566 92901 37433 04522 44185 76503 48445 =100=

-1235=

CFM NIL K

SK

F01 – FSK 200/500

12194/10581/8112 kHz, 03-04, 1840/1850/1900 UTC

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

F01 – FSK 200/500 Mon-Fri schedule

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

76817 76284 23103 91451 63672 98194 67996 78463 40649 38667

78271 19306 41714 75806 60835 05427 83647 66243 37487 14057

68795 77645 01235 58550 80500 84614 89504 23189 00895 76388

16440 93403 05737 49810 31459 17339 15998 85976 96277 59703

10865 34026 97575 33847 31863 50484 37490 22992 32776 67620

69133 26565 55052 89237 69318 92566 33393 37352 65673 21908

61198 98178 60343 55662 70567 40876 17460 81161 06533 07484

06568 17879 00227 97483 19193 69034 70656 95433 00752 49861

09777 15097 64967 28466 30563 58524 83003 40230 82745 13505

64486 61677 65916 37840 72611 54758 94684 03866 40519 17477

95568 01670 81127 01805 40316 24440 07613 84818 45336 84370

06712 03993 91932 32585 32057 92600 47024 81488 09709 76138

89044 53003 73088 15727 68698 01124 69489 09430 59277 82223

05359 87406 76207 71549 22536 61860 70524 49352 22638 17709

25960 05078 81774 54905 14339 33063 22782 18371 88945 18178

37166 76450 20588 34837 73939 33851 06007 07841 37540 89977

03348 08456 62016 78632 74366 84200 53678 49986 38055 45746

19382 80778 65397 59398 22655 23679 69902 18569 34835 31740

73648 92699 73419 18890 53486 77061 44810 42402 97116 91865

33634 18264 23710 04134 05842 05401 48771 70762 17757 19685

97927 26206 48274 63666 99326 63237 96383 82959 09344 80202

11222 85234 51266 93227 46826 82740 71664 36794 58782 44300

44115 01136 84956 67714 74989 79889 77494 08520 90964 26439

78284 26024 12970 42380 55052 32569 46244 46562 40300 56952

41196 98128 40261 57945 04748 71993 06056 48849 66856 10212

84254 19023 31903 97649 89005 63316 69626 35417 62951 55360

25299 10494 19087 25631 53824 84978 80768 30248 07455 53406

62059 21426 31805 41572 55581 55523 49850 45295 20090 99626

38611 32559 84932 22615 28192 57470 13591 81621 77871 59474

93497 39854 08939 46256 44301 76695 98945 83774 61789 76027

67078 41860 39627 03714 05327 68822 36127 10183 35147 93490

78223 19044 94290 78137 19840 87679 83506 70722 96835 50740

27788 29881 45731 82498 31863 21116 78380 38974 34601 07603

29791 65794 92043 84081 21283 82708 43733 27231 06153 80700

42022 61001 90063 92635 49067 60315 43308 23384 31184 41592

47175 50350 05254 13520 41566 30350 16862 86524 66085 73779

54869 64362 11764 71995 32097 66287 25617 88867 86801 53211

35227 52416 84670 56312 85528 07500 25926 31522 04985 15460
87375 88329 43355 11688 53957 66335 48225 57030 19539 57997
72493 43992 61643 01014 30009 43644 19793 88759 41534 04209
32141 72238 38230 37232 10104 51967 14851 52296 55666 83248
49827 26199 51043 43247 34438 20415 00000 +++++ +++++ +++++

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

21932 66326 96735 82090 56114 90908 55476 92349 77199 80335
97903 57415 49487 88207 27540 47508 62149 25696 01781 32302
52005 94155 88703 33698 11156 42051 45453 86514 34167 19639
85396 43017 84501 29841 26241 82244 84859 98743 62901 10047
61152 14173 21037 60791 94759 05752 17269 36660 62783 64931
86891 45491 70978 28371 27634 23078 09044 73152 42848 50898
82964 97239 37567 05170 04092 83636 33030 98211 39650 71665
16842 98011 54358 83819 70974 36960 97847 81614 44782 45688
17575 21081 00000

10286 01150 17590 52402 24609 76777 20375 12514 70833 09974
65367 75797 95184 52931 93882 25573 72925 50301 45841 19814
60791 95111 08149 76809 44055 57848 28801 89442 26660 30847
07648 22767 37848 55225 99760 74570 53741 22508 92326 03616
57297 68150 41020 55248 85074 99148 76787 39047 34262 22909
18969 38221 28398 69588 55718 55425 65208 25066 77636 24696
95023 16752 75568 44182 03196 19423 38500 09368 94950 73249
12483 51468 06129 31235 06541 10693 88233 78218 56479 99052
41241 88666 82545 32412 92596 15405 01878 36465 45841 26506
81664 56322 47306 32502 43981 22095 00000 +++++ +++++

10177/8076/6974 kHz, 03-04, 1015/1025/1035 UTC

68961 74464 81669 24484 39100 73050 62781 14596 30697 27516
74061 48465 00966 51350 95039 59168 67420 67738 94742 32336
35721 67562 15448 93690 81142 35471 96778 98253 38337 17449
07311 57145 79084 28334 75891 62915 82723 22706 39851 99360
28944 77597 52296 46734 67627 60456 15673 18317 45425 80797
33788 89268 93774 48990 99470 03700 08007 90602 60076 70906
72276 89758 27992 86702 09967 59930 28372 40788 64275 65614
01247 96086 38659 43318 00226 50993 51839 95306 54967 20479
87031 54536 89606 96964 40116 44220 14323 76933 96405 80457
32246 64191 90729 91369 28877 85732 30494 51174 36219 81137
86427 52640 88801 51441 80678 66363 13784 78419 26979 60282
22334 50212 02530 77906 94461 54240 56325 98650 74492 23342
83583 28755 19380 46067 20978 96196 67032 77074 42363 48049
16852 08559 59666 73715 39662 88654 58652 02483 59219 97748
24235 48830 72498 18637 35021 03923 00930 61473 31794 96741
89782 29434 89594 73275 97881 36050 48117 67216 44839 10128
80081 60601 08003 49212 02291 57828 86285 07520 59044 21489
73091 29282 32609 43456 05496 63436 60422 49664 81898 20604
63726 62016 65308 58285 17310 65861 14467 05225 15055 56466
09990 60859 10973 62941 67715 30821 40411 73036 56445 84391
51127 07257 62272 44882 98914 15730 66676 48856 87461 96269
30569 35136 57140 57060 01497 49531 52408 72419 86165 76232
22511 05048 55490 31796 35170 93238 74346 82668 07951 26454
73222 72186 86990 57722 03949 67974 27780 26284 46700 65705
57679 88941 60453 10137 24865 83522 94086 19371 63385 72917
00319 23281 29019 43124 19658 52025 85620 53727 26566 35603
46646 64261 55014 00386 01533 84884 45617 73546 81641 24815
81543 31353 45428 36947 05379 52232 87542 82111 34132 60565
01547 61385 14580 72139 50923 89921 86122 77199 28084 10705
43356 22034 06045 71700 15529 75031 12467 14808 05088 88149
80752 50077 52491 89733 57873 13612 19482 69615 73627 32601
07997 42438 01010 45918 56915 00140 62381 53729 83828 89534
61131 94529 64011 75933 43507 73074 63787 78727 20318 87614
70482 89895 03177 29893 86143 11342 34994 56326 77215 72039

19387 53826 97357 10876 78707 48671 25604 36175 95364 31898
87030 97805 16148 99623 48137 32835 24208 31751 04123 70643
08422 57493 00237 08459 84789 81142 54412 93236 49579 66544
73340 70819 68901 03686 79204 88326 34382 05862 89236 60702
39655 10841 15296 37353 57328 84468 75655 29837 21133 50159
36182 86507 42931 92691 23099 25079 19281 09773 74520 59037
07234 09780 22933 78833 74060 79139 25840 73802 50590 67772
86717 05740 42848 66034 33505 70078 81684 71613 46796 05600
15080 69789 54922 38613 72806 75523 38129 72555 58152 10790
09005 23431 00000 +++++ +++++

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

86539 85555 61360 10226 59953 41479 67959 91703 77627 20623
14309 60512 26395 85247 27226 03246 76800 50949 74011 78063
02921 79493 95402 23207 43686 79177 76127 53498 04144 04899
13989 49520 20100 75115 73418 69162 34577 47890 34452 36205
59529 23204 73042 85657 21247 63724 33658 70512 12884 51222
80113 59612 02565 20820 35547 81325 70480 40254 47506 92702
73441 26352 39065 78809 60291 15896 31911 11930 86654 33078
52346 25308 02430 20716 56135 81142 10469 27430 33138 37492
19899 67968 77663 43808 42498 98851 35484 19757 05582 76554
63454 25091 00000

94547 85138 53158 19608 63611 67427 55617 17725 37116 18592
74858 57105 80251 17286 42706 64615 41094 47626 73369 54441
81270 46230 67391 91581 12178 77087 54760 51144 10212 01455
13114 53132 09439 34950 21982 77399 95141 09046 39003 88475
46689 79147 09047 24943 03150 46434 42185 33042 50104 85663
21455 49215 51085 96113 26334 61256 72082 17866 82881 02759
72552 80597 76477 60562 61369 77090 88096 99863 41153 78629
40051 36697 89418 34482 62152 12468 49974 22650 14206 50213
33014 44075 25810 97304 47337 77497 39358 84250 13135 24089
00000 +++++

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

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

10115 98718 62170 57097 22640 42711 18949 74988 31603 32625
31793 44542 50856 10444 49260 76778 51691 88561 87989 03216
08271 95680 55917 60674 65420 34516 34569 71499 83471 24763
87619 55124 39839 29744 87919 31923 92030 90199 80154 05283
31768 13633 21345 32841 84903 92661 66362 22813 36831 50818
90650 16364 88073 39220 67346 41943 69724 32557 40978 52538
73454 97841 64935 81770 75741 34339 94894 79777 61038 08132
55390 14818 73545 29754 21722 51538 52291 48322 84369 41835
29194 60614 88130 89252 94804 58518 63138 72856 61411 63314
89970 41509 78193 20188 66027 14504 78113 51456 65359 49476
61240 91904 09149 63542 44179 54708 89016 18591 30303 01341
10352 06684 80475 13931 47850 96480 88951 93505 30438 26644
94131 32536 97793 57148 78876 35246 95619 14444 40058 84109
01891 91398 32031 75979 01231 87966 13726 76276 49631 03518
54033 64690 96688 16761 75186 70816 57539 14207 38811 23173
51705 53099 04346 60035 51005 69758 14506 75523 03749 69274
87489 99379 27375 57484 20614 33878 86750 01166 35053 96300
00284 27401 16390 40412 41072 98031 30647 55379 25245 20154
20496 65575 04711 78575 11332 79686 06481 01200 81895 62589
85762 93241 79137 28404 85014 01237 82005 78186 16136 92774
43843 30688 08003 62883 68093 19605 86507 03023 96992 55791
79321 93604 17928 77827 62537 05992 17174 39426 91402 24900
35671 07077 82324 27153 06542 66385 38321 77723 79036 60553
35128 28993 58588 09406 10129 34172 17677 82434 21315 10822
57169 24285 68440 15408 22843 56111 93580 14828 06775 01255

03271 65844 88272 08680 79408 38379 94055 72590 71122 43571
82347 71688 84776 52581 80596 76484 14316 17036 31485 98125
79121 27083 26936 77158 61582 67973 34790 35666 61551 61125
47844 41233 09894 00586 09952 56156 08301 20853 98844 70346
87554 56972 70395 41364 01448 82864 93984 90017 98530 38807
33675 24968 38873 84018 54865 94768 48042 35273 61129 90796
25468 77489 90909 49486 49395 57236 28771 27326 45599 95070
10886 47042 12069 77678 29445 38417 16819 15728 65685 22162
11052 78379 06219 10311 24823 40407 22342 21539 37427 02841
17035 34870 39665 73088 69306 30201 30209 15470 30608 89070
13218 08090 52971 54132 89428 67007 53577 70744 57879 23620
45442 59135 70469 66209 88896 90569 06540 81587 43562 65951
59655 57774 25492 20316 53789 33652 99185 01628 31083 06525
59152 97336 78378 33531 80702 07130 84709 87836 44684 85306
46931 55552 65809 01218 65689 84315 79305 91218 98904 19461
65534 00554 64960 88733 17299 38626 12798 21473 79509 96076
01078 13203 15903 26413 00000 +++++ +++++

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

71676 09689 19006 06985 04576 59534 87058 01820 53847 92617
42265 07574 35023 79549 77406 61752 78660 63329 33520 74802
38247 26095 00949 37477 05229 96080 29625 90688 79613 01901
57636 62708 69571 84085 46043 69799 18485 36861 55563 68561
82863 85340 99532 39528 09594 60014 85749 73415 85923 40469
03816 51611 60655 55060 92272 25584 59956 53740 71454 24910
49962 05625 30041 48609 35472 25723 61987 19426 77880 98751
32539 05884 05902 37346 29877 41579 30454 50933 41380 96611
26340 60818 77366 80729 24786 26998 01362 82891 30037 42942
16929 76953 66522 81548 17332 48148 30016 44715 02176 20062
41248 25128 55085 27103 00000

75476 51291 33441 53458 94230 98316 28894 02566 50051 84223
69307 43288 68346 56047 64827 76242 76589 48099 46756 31643
69374 26005 81483 07720 44277 84748 54440 59240 88200 99146
16261 97065 18896 50219 08336 84672 11349 75858 09955 42598
63715 19265 74206 96716 82498 73571 44847 31315 91646 46090
71310 32884 95266 90633 64043 35570 48640 81338 57368 04227
17224 26425 72052 16003 28331 45341 94766 26396 45170 57721
16630 30724 17941 57601 98022 56940 91660 71317 51859 28079
00000 +++++

10177/8076/6974 kHz, 10-04, 1015/1025/1035 UTC

22487 64079 22668 83991 33807 30356 32804 80290 02668 07871
68374 07801 36856 03704 80481 75526 23855 42546 03983 89769
30201 07247 78973 55266 75937 54842 49698 63537 45112 12772
64357 85631 18240 84944 24216 11451 37673 22368 55478 02845
41832 38007 02343 52659 29205 70576 64694 66936 38084 26934
28861 12442 52951 57791 64868 96710 73469 46395 88647 72802
07004 14903 12608 85950 70619 78103 33040 04296 13485 99202
27761 00884 95628 27338 62456 79122 83975 21526 29153 58889
51609 90715 65256 65459 91195 04652 26587 88462 78497 55217
12867 03046 46935 72955 69077 70424 59105 28459 11141 60023
86229 73301 49347 60381 31427 00216 07980 71017 57794 27193
64568 92436 07193 35197 57201 56475 20703 14175 33355 64153
96675 97066 38652 23251 47315 86477 69005 02763 39742 03721
34578 46444 32457 14914 08994 12626 43161 13806 62242 32481
08854 66034 00712 03945 24158 44496 62788 63455 68805 10519
43461 02726 60215 20517 46363 22712 92116 62828 86697 41985
45132 54415 93478 01680 80281 52105 84521 34214 51327 58086
12632 87964 96906 24315 06419 25090 98390 85544 54173 34680
14395 75651 04256 28434 27895 06951 80420 11034 66874 17184
35520 42425 84444 13879 92027 34166 09377 70751 42812 47059
02982 55847 10603 82231 83268 96115 89588 82861 02341 08087

17575 88739 87930 49358 52153 10847 85054 70565 49308 18139
58686 72528 67901 53729 43409 98262 48476 22650 50982 14541
39810 18385 71745 62693 71669 80356 30819 83328 97180 99562
85017 44678 53272 14539 71430 29232 12630 64844 43595 58370
25574 94256 56210 59660 75334 20856 84317 06529 95134 16192
87896 84976 20524 60727 57802 67038 75410 67729 03998 95656
15218 92807 71996 10687 75611 71292 98474 70682 00223 50619
41980 50187 45824 09933 49669 17191 88373 84075 46026 20451
78379 34165 54483 41371 19023 31937 87898 90110 65464 50048
68808 50619 68786 75523 65413 04295 12996 88529 54210 86928
18535 73677 45238 58650 10733 56024 30849 91542 76633 78972
43950 04618 58646 66253 36667 00852 58438 35174 15341 85951
49535 53329 92817 73545 22034 55950 43966 06496 07895 66093
75340 49003 60228 84837 44957 29207 85031 43700 93094 36952
48795 36443 70072 06429 10435 72454 71937 38357 50966 18913
20000 41413 99386 23896 45153 97575 78170 37641 62917 81095
16838 74135 50137 85752 07030 80227 59290 40116 97518 04443
31317 15468 52600 82694 92932 56096 22307 83079 49342 86639
97863 76940 08310 76161 50848 28387 96506 63666 79469 19459
54089 74712 10420 53123 18430 83832 29728 01293 32951 02449
41051 90045 41989 96950 74852 39248 57638 66646 96887 98749
09497 36261 89450 48356 13266 42675 03809 53753 19131 20584
07267 95581 25869 16778 73296 13835 71613 87714 88173 34786
37216 60090 72552 72616 23144 59073 41419 29447 00000 +++++

10177/8076/6974 kHz, 11-04, 1015/1025/1035 UTC

93209 08086 83362 59264 36576 38266 77856 33967 42645 38312
61267 40259 87008 58136 17898 48368 39335 13732 40970 65680
17977 78961 85323 69010 95065 29791 82330 47903 56785 64403
34197 44916 48507 47620 29855 03801 59477 53086 49616 61540
26740 01643 50786 45172 62988 19329 51427 59325 38027 63448
54440 75427 68539 90143 79184 58503 95837 61908 92787 92512
56292 18479 58361 90153 74122 59542 42294 30067 00000

75180 54633 58954 73478 23925 56306 99178 44359 79354 99820
54733 42814 28866 02601 89964 51696 67262 16374 27054 74653
51533 94810 52989 14765 12763 46820 54763 94277 73600 17668
93735 70162 44747 65115 55089 25140 98865 22775 33320 38894
45385 67849 39704 69144 54617 35453 42668 97268 04618 46713
77019 18167 49256 42816 82945 79046 30896 42207 60749 96826
86158 63115 52238 08838 18176 78602 84710 36514 33795 96319
38483 66755 69158 80152 23880 80660 52098 55956 78645 84305
74785 68552 21694 21264 75076 82191 24150 71545 49978 41651
83609 66659 49687 36173 12562 75471 25631 33413 76906 40547
30948 31101 00000 +++++

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

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

34521 92162 66568 90496 99242 61592 56767 26575 54184 54638
41727 90173 66847 94733 43182 87784 33837 60572 07994 95685
21375 82464 58683 56342 66080 39962 50309 06551 34432 52942
94635 42009 64370 83333 37510 47999 37449 89675 00420 50867
55011 01699 22129 69999 16791 07111 61360 74965 25398 67774
46450 77530 65127 07472 82904 13219 28508 38436 54816 92107
89053 18841 81052 23558 43642 58432 12180 44551 72951 14497
79036 06328 93417 45345 28911 99014 99109 13503 10252 18933
17011 55799 91850 08257 24091 62537 27436 21740 99651 32928
01616 00164 11349 98986 18099 55223 58359 35076 16151 95520
20095 95274 26199 48363 83940 45769 00539 57043 50416 84452
80078 58299 39229 64918 83051 69640 44640 67033 26640 41220
13580 81285 17453 51947 44958 99079 71776 54521 33607 26191

51559 99089 07284 61535 27051 90195 30182 08476 02039 56717
71378 10817 62625 39487 61669 30714 35468 26269 87211 10646
66442 88786 93425 86670 55637 01499 97583 45133 09653 46783
33534 40016 97104 36252 76987 13122 18299 02857 24805 84283
25000 43485 26732 03767 51238 16733 93010 84082 41082 25541
26305 53370 84328 39378 51383 97557 96038 35671 40990 83473
00856 65149 61350 80104 08048 70812 85736 20188 88212 15191
49536 69322 87575 95604 45274 94781 40828 52084 80995 51232
68435 97669 50482 25518 69351 25746 88709 07734 45091 74130
11006 80738 16076 50576 59329 45321 16212 49390 04123 23199
76622 13858 75164 05036 34478 24148 19862 35659 27867 15403
12428 53684 62632 55679 62367 27712 62122 38454 95726 56298
35789 69355 07521 23879 27567 51829 08806 29842 29984 01417
16804 32935 74923 43326 61539 78177 36985 73000 07418 98502
10390 84361 13173 08273 45342 95408 78648 30887 54817 25878
51814 27662 27691 06635 94487 20157 09145 25490 30178 23159
34313 39136 22497 30486 26072 05879 57576 20818 92936 18858
28925 75734 87992 44446 48162 27143 14793 95506 30074 76290
91174 94207 25419 51548 06917 04072 99921 97149 36188 35948
82906 10073 90709 57603 33983 67256 24587 61611 01251 10336
26734 71229 69429 80085 61835 88954 21386 17753 45778 17436
61457 75481 66492 07446 74047 02996 86151 12584 15901 02745
85637 55410 65514 70697 37247 34688 78106 64962 16550 28431
19600 69424 89341 72437 78042 44599 34641 18998 75898 82875
89651 05471 31671 10335 27636 87403 44269 02352 04639 15897
98564 05143 35996 63891 15586 80462 88562 31071 95770 15633
99604 82059 28727 66088 58286 97616 67932 22635 10695 43501
93816 20592 74333 86699 13654 33033 73029 13709 71716 15279
28188 32411 00000 +++++

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

57368 25017 64188 71624 26501 13308 54227 42012 65629 76061
59313 02827 40672 76340 37109 29175 36125 56423 73007 93019
11769 90096 85326 07896 20024 38162 46616 54199 26132 18115
75763 58480 98361 23907 80594 25172 60416 56754 55643 44203
23246 52915 64786 22926 38426 19374 63432 15795 40323 13378
39944 50245 69201 26758 80988 72186 92485 60970 90502 59578
66352 03800 16956 77498 04836 43659 68602 73156 48649 82428
21415 34287 50893 32759 49366 59358 21854 10793 31783 13035
00060 60232 17417 65329 41807 68687 49960 37890 46325 62250
84656 33091 00000

06070 24827 33819 43136 78029 51666 28925 51620 27312 42835
60794 52336 43876 21344 85574 06460 10822 63795 66818 09466
69078 67587 30264 58777 24383 29549 75746 07052 82480 65678
94665 43304 23480 26695 66470 69047 51313 89069 32576 61644
79226 26237 71162 42045 37245 89665 21287 89116 12549 54484
29760 67734 58691 09343 19198 62837 34613 95197 00716 36618
59365 22719 79684 51056 93505 22988 27986 22964 83082 11186
21217 03743 27162 67965 64271 01028 54820 68174 53729 84424
22549 11639 50513 42504 68014 35682 61229 34087 00000 +++++
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10177/8076/6974 kHz, 17-04, 1015/1025/1035 UTC

Not found

10177/8076/6974 kHz, 18-04, 1015/1025/1035 UTC

58819 98609 64928 69718 66413 72417 34159 21809 81445 44991
06652 45180 66792 34009 62274 71561 18089 77577 66245 75472
24999 84352 38473 14623 41966 31012 59694 54394 79365 61791
87877 43589 51009 69750 83314 33639 38934 64466 65838 58456
61416 55842 52614 17123 55136 08714 49928 26588 07458 47947
97418 36581 99721 18710 88187 23920 47532 31610 13230 08394

48938 47375 03613 57426 76470 80786 68848 71681 73962 28520
54899 68828 44089 50615 70239 07632 37576 60240 53433 19557
79995 01441 80646 40092 97101 36085 00000

47352 10429 52373 11521 62507 59344 06310 46258 52795 50320
41590 38236 58413 46433 59019 93588 95664 32284 72105 07383
52450 85258 32110 32579 51847 87118 54748 57295 57174 43109
84487 70059 17011 00780 57387 17740 73581 85692 48402 85836
82971 96217 14107 55823 20588 24597 66756 19225 70312 96461
40640 53131 20784 46001 36655 86810 17249 68956 56043 14134
42415 20637 59216 31483 24747 51147 10631 05833 97633 94998
95621 02704 57888 57316 20154 28656 96983 63803 29421 68031
03492 66670 06226 18612 60147 23705 35089 55896 83976 92674
43010 80680 82935 08252 52831 37095 00000 +++++ +++++

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

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10177/8076/6974 kHz, 22-04/26-04, 1015/1025/1035 UTC

Not heard / Not monitored

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

09181 84322 09209 00644 23439 43475 88725 39161 31525 15593
78749 91454 78772 55250 66692 42220 01826 86462 51598 56574
50750 56993 34467 25431 84681 60346 46960 02776 26946 55122
66922 77025 90592 36425 94156 43649 10271 39000 84886 71254
41394 76806 68361 78312 12529 48700 94005 62719 41935 64914
82597 51374 54220 74035 79865 61963 58008 95142 35980 94142
70600 84827 59354 92300 00530 93749 18202 47088 23979 92436
88284 27909 15968 71010 70285 63552 22278 42527 25258 13161
83024 04613 01567 94711 43836 39095 51781 63212 15564 54305
62941 55785 68463 99743 48637 45837 71791 07798 76354 73497
14745 42201 28497 44514 69685 57909 20547 14790 83594 02100
24791 02761 08675 10965 73044 96780 08064 81995 36824 49723
97569 26444 08398 77974 09392 31644 31146 07008 88741 87883
52682 30727 59314 59521 99162 76769 18551 05020 94229 94951
48614 75599 71009 11048 54030 47190 50630 13086 61928 65370
85664 62352 45811 07984 91968 46294 58803 95116 17318 15497
87304 01134 20317 71936 60997 48437 57986 00689 80130 87671
05482 62277 46036 94020 56384 87863 05798 34323 76988 44444
47021 84666 13037 62268 03636 03158 72330 41639 58676 87562
31652 81301 54969 72485 41455 95601 49662 45803 26732 12598
73552 89006 07514 70319 81121 71168 87443 53361 02247 51208
83845 36987 31492 68143 97737 30954 15952 24017 47225 40219
27555 89192 12711 84733 30784 84692 67353 45509 81743 21284
91226 29134 19507 99978 92598 67942 35694 03662 84782 98007
33207 34503 91990 82157 10057 76871 82625 70204 29233 90420
53459 13555 60543 63031 13119 76414 05364 78317 38332 10757
40236 77356 01362 87249 40247 19357 92072 99323 68140 70932
83056 82581 40075 78677 11273 16711 03992 04737 74621 02125
91512 30042 66897 28479 29309 54918 99562 77278 20883 51737
83772 25757 34698 49313 71089 44206 59590 53719 76332 03954
13409 35223 30983 38173 15805 36015 40607 22715 61136 78435
44709 69136 52389 78368 02469 47139 82082 93501 52792 78575
71079 61141 22120 70234 01251 05256 78425 77579 02915 17459
54838 16633 83009 41590 91342 66188 04918 16610 67969 27549
55893 57477 27936 33970 63021 78697 14166 26992 43655 90244
67618 41863 01254 20530 60881 69224 02577 46101 65445 85259
97160 32779 76114 67477 65017 17903 40980 38342 03494 88371
70398 03908 89224 34182 23411 79670 76131 82138 95042 20810
15383 39422 52918 99014 08268 01718 96627 93077 27921 05576
38292 85444 70831 29698 27746 81914 24069 74841 70800 96663
59177 77018 13995 38403 00000

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

92024 65435 43625 38916 05361 53986 36249 54026 54064 29174
00143 61208 68285 90558 52118 14611 44230 21492 95534 39014
20719 65653 71709 30630 01792 93453 66114 31826 49776 63080
55289 09467 94355 55644 05427 91549 35887 89483 58540 41837
36610 67944 67179 77154 26042 40553 63614 57062 68068 32179
74423 00569 63272 94848 16440 09590 84996 49794 34978 03829
72434 10677 70277 96770 29419 07278 63117 67479 02125 99727
35521 39071 00000

88391 41683 85049 12517 58534 34476 80787 57002 44608 56429
15174 85535 37753 11950 28776 68601 03650 70728 51469 37681
85225 50010 57253 37948 67561 07894 75926 06057 22201 33617
85417 49215 73036 45735 49277 52721 50966 34163 69197 60658
29508 09916 31442 25432 58556 28028 96821 83839 38476 56006
23437 74639 01711 21382 11449 96067 94100 01667 65002 26728
73092 81240 66715 58300 03065 71975 71523 13506 48742 72773
13261 47759 57511 02468 82666 57952 16792 02850 16503 46802
59677 11929 42478 16205 87425 69854 05656 88033 67180 40089
00000 +++++ +++++ +++++

F06 – FSK 200/1000

Link 00000

9437/7691 kHz, 01-04/02-04, 0800/0810 UTC

11100 00000 61248 29030 01399
41257 81086 13094 86199 85832 23418 77783 53623 36891 18618
04403 95187 63889 33771 02371 02970 27194 45592 04652 63749
45437 45940 39069 34289 65695 61487 70410 70631 03699 23492
93023 09826 46237 48600 78590 27544 32970 16623 08763 20005
59810 56225 47347 83656 71084 74459 31728 91048 32643 91085
88222 86335 03122 63615 01041 48842 45533 14012 89550 98139
46373 92994 73530 39055 34439 42871 31099 70063 16544 44849
79005 03503 72308 61749 29973 71026 75223 12080 06778 12767
32172 36378 17759 73614 58591 41793 23436 55065 31473 35814
48928 96075 87377 85106 21868 81361 57658 60373 40481 00562
58077 53200 01536 06739 75009 75803 42845 47616 15408 79626
79999 68016 12733 53722 42029 06923 06022 88859 35686 37613
34293 18289 93014 24291 13468 71103 81920 93666 88000 99138
84408 44905 74402 63344 72191 46402 38847 30137 00000

9437/7691 kHz, 08-04/09-04, 0800/0810 UTC

11100 00000 38472 05031 03239
14246 24974 52102 28230 01673 09698 62768 62400 04761 26434
53617 55926 85866 84799 36879 65625 82477 14197 44399 49932
57739 60217 28424 66524 57337 12782 21056 63403 33657 70713
75859 80622 23175 72418 40015 04848 88001 47369 30490 43934
57525 68075 12642 13715 31096 07234 04710 54175 27672 29733
56609 17225 93386 74222 76496 93220 02957 03905 03510 68461
15875 31266 50150 30820 73333 46412 62724 65705 46794 03709
73290 09554 74171 46408 41544 53016 44538 73955 10092 11048
17311 81651 21530 02076 86844 27373 70784 03435 28369 05027
91136 75267 86222 29435 97386 70060 90292 62323 34575 70017
11632 34123 05708 19450 93161 41252 76931 44376 16415 23575
83579 76514 90249 51726 85536 23857 72473 78982 45357 55015
60320 37377 27578 89520 10701 82736 42655 11273 76189 18334
83971 47314 67659 51834 31344 79129 79525 65243 19477 78650
38512 02518 94789 86157 61904 04546 09065 72253 36201 46177
23347 51123 52118 54995 20535 37235 56878 16503 50101 62695
09723 95436 53381 97435 51583 27874 42861 39409 24850 63827
33912 67010 04177 65017 52400 70873 24257 87508 66615 07264
15514 03898 16949 40233 83632 44734 41773 64735 93881 63873

22938 27882 46154 57438 99336 90536 51673 91087 21988 96420
47288 15263 49036 40936 08317 73122 04155 56871 45848 30829
46749 59197 99462 84894 27421 16132 61298 26260 27121 38660
92402 65803 03436 05696 17307 50958 92430 67082 07759 28133
39510 91606 91554 30623 57705 52223 47407 96694 36856 65670
71784 47530 52091 28676 28659 79730 45082 17919 18109 52051
76468 45960 24695 71061 72931 90315 31568 05426 17319 37853
11236 83479 55280 11722 28925 53792 16844 72977 19480 13407
76371 14107 23731 33451 99329 86635 95280 36784 49314 30004
13625 07397 53767 93898 64573 36225 51823 71229 73884 33086
72719 83939 05060 59411 18211 88834 57239 61465 47433 95618
24134 08746 87629 14325 99920 67240 19212 74324 43062 62243
08563 82113 33964 10401 87033 10052 87417 25687 99571 33241
05769 31321 00000

9437/7691 kHz, 15-04/16-04, 0800/0810 UTC

11100 00000 79462 12032 01239
95382 58341 90506 93869 26798 14238 01484 93246 81217 49302
68112 65247 47127 66495 82807 35006 40511 72262 85483 15539
68703 89586 97575 21627 18572 92627 63985 23252 42450 30132
38860 18275 40255 29791 76162 29031 61243 00754 10969 52548
73828 76464 42415 19059 76901 65027 54252 38503 51094 99267
33930 39707 73424 03701 76156 31925 43751 20566 81864 43431
96488 62150 88528 16851 96013 81551 92768 65920 39191 79096
51171 23348 13481 86583 70272 34495 84036 96556 21645 76529
08251 28771 43009 07760 01183 51066 11328 76834 00291 96811
98799 46493 02933 46131 47715 11549 75048 63074 25080 15804
54476 05943 42977 97576 97329 52939 55580 18527 40884 10341
68763 55469 81403 95379 23256 59870 90344 11017 37256 14694
17378 32121 00000

9437/7691 kHz, 29-04/30-04, 0800/0810 UTC

11100 00000 64930 27035 01019
96869 57032 47203 53348 28123 85269 27425 45635 25447 51250
53644 55861 60019 80272 74392 11911 72400 55879 86072 64227
31977 85820 06513 72335 63299 02488 20881 53172 81497 08753
54658 64676 03971 05167 53338 23065 30535 59428 73561 77244
09208 04090 15363 88780 29835 73410 50212 90883 12730 15316
24552 24820 84519 39391 43505 77217 58392 86843 64449 66676
60921 33375 55139 53139 72654 60913 96070 68451 74671 59106
31766 91552 18280 42566 00677 16727 60037 94749 98386 88367
29307 74449 53798 00676 20504 45819 23004 85739 27253 17865
30508 38432 60612 04358 12515 51561 18580 00000 02704 35099
00000

10687/7992/5913 kHz, 06-04, 1700/1720/1720 UTC

12167/9937/7526 kHz, 07-04, 0830/0840/0850 UTC

11100 00000 96541 05094 01979
86747 58466 84626 66955 29721 91560 27857 05002 94945 20288
22693 26110 89734 13417 48997 84655 36229 07989 98685 48785
93016 61188 53846 84768 45612 46453 86045 47292 26709 98518
00272 92912 52161 37060 71937 58827 83624 23652 50392 74178
53794 31705 27371 96053 15177 34082 93824 87389 98337 38079
33567 78945 90557 22451 27174 82561 70832 56186 64574 47863
62168 03695 89774 79613 87086 46121 26138 57899 37300 73446
55685 28331 93479 27091 50816 54457 56060 97680 81929 49571
73019 07688 49345 30093 75558 33613 12988 57731 57645 47414
18260 62595 60329 81851 41541 64453 46784 49456 03759 34325
79014 69790 25460 63589 32153 84703 21823 32802 07296 66259
61051 97409 28815 47028 34581 32539 37071 27427 12546 04065
12484 39804 82928 58126 91882 73943 97844 46296 63078 93683
75392 28572 48602 99339 30507 21397 14529 15615 33252 82882
65355 09681 17996 52425 10830 69125 91901 86905 15706 94456

16169 60660 68342 85834 58472 21408 29081 28737 40021 19318
44356 08235 25696 51417 37454 06567 30676 88509 11886 63710
42023 76806 28273 05617 78629 31452 40731 69816 37992 64128
03641 83076 03239 11931 84780 70794 08843 59703 45742 02812
88468 73010 75564 05353 53386 94195 00000

10687/7992/5913 kHz, 13-04, 1700/1720/1720 UTC

12167/9937/7526 kHz, 14-04, 0830/0840/0850 UTC

11100 00000 53981 12095 02199
71994 87138 62011 83134 02561 93740 70019 28920 14015 32701
18473 65535 99182 20857 30115 74436 79091 07071 42884 88462
08628 94269 88866 30327 87762 89315 12406 46914 51780 47895
63307 19068 38944 06625 26083 51543 59051 19535 71163 72836
11293 41153 39023 99555 24874 23342 93152 45033 20826 18103
02820 76861 18442 03526 41543 53050 34786 75060 12240 91470
50702 69319 34957 52300 41763 12581 58149 38141 97600 11187
79423 41490 78054 26026 86693 94279 79568 98284 55685 99139
10287 18651 64727 47091 97270 57172 12756 51358 74285 95935
51493 51972 23593 31774 67716 70868 70183 41176 76555 22163
51887 24591 11778 07280 13798 72317 23973 49646 00462 19159
22584 48609 44241 80039 22734 57293 73324 83760 82763 14058
87789 47094 43436 82264 77177 56390 04737 78031 78002 48892
01212 90657 94651 10956 61770 25418 32087 35336 64911 23405
13809 04752 25281 38108 83515 93907 72532 73421 13877 07158
08392 12766 70893 94003 52898 94006 07244 09609 15734 09861
83079 12525 53590 38487 37700 16804 99505 33930 60544 40705
75121 31122 34932 19162 21773 45113 52999 72205 11375 69244
25263 46539 23026 01916 33253 72441 96275 56667 98643 03188
96984 35240 67334 29179 56725 68323 31898 83966 71651 53654
40859 84359 71779 46172 68213 71800 96616 79916 41646 47196
38077 26341 52880 16395 36615 18751 98584 95217 00000

10687/7992/5913 kHz, 20-04, 1700/1720/1720 UTC

12167/9937/7526 kHz, 21-04, 0830/0840/0850 UTC

11100 00000 91678 19096 02259
67082 84225 69319 72277 02450 95011 15160 71860 06467 16607
85661 11909 18916 12449 95648 29700 16984 97449 39582 72029
82075 90823 49441 53354 34309 07289 44494 73416 64364 35089
15160 05275 17392 74271 08128 89683 08658 33649 04946 96752
75605 09901 11243 40838 96046 97228 98791 59587 27139 01028
67587 93084 44859 53991 20130 24027 88650 58095 65110 64880
40933 00905 92667 02939 96165 19626 88423 39238 99143 11359
78471 82246 57225 12969 22510 82284 56171 99032 97305 17604
34282 71286 37684 68060 94527 38012 27216 37327 59350 06805
55807 09578 97830 39158 86367 51577 79905 40298 97745 96125
37325 82718 96127 67783 36032 86833 12079 36821 89658 07204
25408 12329 68821 97764 85066 10420 85903 54496 16243 58476
60018 58971 31856 21364 91829 71222 90629 60551 02925 45356
68940 62089 19430 66368 38615 94366 04543 31581 67876 81585
69691 25147 87627 03908 18977 59061 90240 60191 06621 79113
53067 54260 12079 59212 03839 90655 62518 32536 70140 90786
57350 32933 80171 65440 74497 45011 06945 04562 63087 86358
73143 70275 52261 70330 58804 04048 30782 22842 79022 83962
77127 51598 23860 93024 44767 91204 77652 84432 32297 72598
59898 54772 93120 90224 54912 61046 64381 65412 22444 42498
19807 29377 06431 33151 76176 74286 84093 76016 08081 45832
22544 74887 50681 75747 35101 44679 95132 77692 54505 46239
06377 54971 65211 96223 00000

10687/7992/5913 kHz, 27-04, 1700/1720/1720 UTC

12167/9937/7526 kHz, 28-04, 0830/0840/0850 UTC

11100 00000 26574 26097 01739
48130 89964 27977 77699 26883 12013 40483 55754 15784 54641

69142 01154 75842 33028 15505 24936 53722 12887 45126 14817
62691 08972 48843 85309 51952 25477 13520 75205 12790 80517
13204 47096 94969 81881 56629 68652 31829 46233 52005 80310
97499 78972 75028 79082 44693 56912 51054 73163 96491 80986
87363 87028 90581 91161 16474 21706 99360 60737 36408 99911
74370 12240 58887 50735 88475 22073 01366 13563 74236 06139
83847 65933 81909 03590 16430 04996 05519 00924 88510 37275
50424 63592 95582 56428 40838 67316 64573 13670 90715 46303
63652 10562 86464 00533 07450 68860 54906 29327 93620 57096
14933 83367 31698 78577 36286 52359 50169 50512 53912 30530
92705 28930 11308 27145 39496 59089 31321 14231 14615 56060
37822 28695 65359 45178 76695 71020 24502 17038 09580 67742
91387 76730 78807 89869 92812 92008 66965 44456 09634 70064
99528 81507 80034 17598 63993 83400 15382 63893 43951 29012
89630 51552 91548 49746 88194 24600 86752 19638 27221 68641
56880 46731 79225 82754 54814 57908 66005 87807 19345 94372
04773 97171 00000

Link 09933

5089/7337/9481 kHz, 02-04, 0800/0810/0820 UTC

11100 09993 75321 02001 00049 00000 00000 00000 00000

Known ID 00000 test cycle

Link 10053

20971/15919/14386 kHz, 02-04, 1650/1700/1710 UTC

11166 10053 13467 02001 00049 00000 00000 00000 00000

20971/15919/14386 kHz, 09-04, 1650/1700/1710 UTC

11166 10053 14785 09076 00049 00000 00000 00000 00000

20971/15919/14386 kHz, 16-04, 1650/1700/1710 UTC

11166 10053 12457 16001 00049 00000 00000 00000 00000

20971/15919/14386 kHz, 23-04, 1650/1700/1710 UTC

11166 10053 13467 23001 00049 00000 00000 00000 00000

20971/15919/14386 kHz, 30-04, 1650/1700/1710 UTC

11166 10053 18930 30001 00049 00000 00000 00000 00000

22877/20947/15893 kHz, 07-04, 1530/1540/1550 UTC

11166 10053 12354 07001 00049 00000 00000 00000 00000

22877/20947/15893 kHz, 14-04, 1530/1540/1550 UTC

11166 10053 13467 14001 00049 00000 00000 00000 00000

22877/20947/15893 kHz, 21-04, 1530/1540/1550 UTC

11166 10053 18930 24001 00049 00000 00000 00000 00000

22877/20947/15893 kHz, 28-04, 1530/1540/1550 UTC

11166 10053 12354 28001 00049 00000 00000 00000 00000

Link 10075

17441/13457/11165 kHz, 03-04, 1300/1310/1320 UTC

11166 10075 14785 03001 00049 00000 00000 00000 00000

17441/13457/11165 kHz, 10-04, 1300/1310/1320 UTC

11166 10075 45891 10001 00049 00000 00000 00000 00000

17441/13457/11165 kHz, 17-04, 1300/1310/1320 UTC
11166 10075 69512 17001 00049 00000 00000 00000 00000

18257/15907/13385 kHz, 24-04, 1300/1310/1320 UTC. (F06 10075 and 60081 swapped their frequencies)
11166 10075 14785 24001 00049 00000 00000 00000 00000

Link 30077

17523/13427/11605 kHz, 03-04, 1400/1410/1420 UTC
11166 30077 14785 03001 00049 00000 00000 00000 00000

17523/13427/11605 kHz, 10-04, 1400/1410/1420 UTC
11166 30077 12354 10001 00049 00000 00000 00000 00000

17523/13427/11605 kHz, 17-04, 1400/1410/1420 UTC
11166 30077 13467 17001 00049 00000 00000 00000 00000

17523/13427/11605 kHz, 24-04, 1400/1410/1420 UTC
11166 30077 18964 24001 00049 00000 00000 00000 00000

Link 30154

19926/16049/14387 kHz, 09-04, 1230/1240/1250 kHz
11166 30154 14785 09021 00049 00000 00000 00000 00000

19926/16049/14387 kHz, 16-04, 1230/1240/1250 kHz
11166 30154 12457 16001 00049 00000 00000 00000 00000

19926/16049/14387 kHz, 23-04, 1230/1240/1250 kHz
11166 30154 13467 23001 00049 00000 00000 00000 00000

19926/16049/14387 kHz, 30-04, 1230/1240/1250 kHz
11166 30154 18930 30001 00049 00000 00000 00000 00000

Link 40023

20159/15843/14365 kHz, 10-04, 0915/0930/0945 UTC
11166 40023 12354 10001 00049 00000 00000 00000 00000

20159/15843/14365 kHz, 24-04, 0915/0930/0945 UTC
11166 40023 18930 24001 00049 00000 00000 00000 00000

Link 60070

12095/9069/8048 kHz, 02-04, 0030/0040/0050 UTC
11166 60070 12354 02001 00049 00000 00000 00000 00000

12095/9069/8048 kHz, 09-04, 0030/0040/0050 UTC
11166 60070 13467 09001 00049 00000 00000 00000 00000

12095/9069/8048 kHz, 16-04, 0030/0040/0050 UTC
11166 60070 14785 16001 00049 00000 00000 00000 00000

12095/9069/8048 kHz, 23-04, 0030/0040/0050 UTC
11166 60070 15973 23001 00049 00000 00000 00000 00000

12095/9069/8048 kHz, 30-04, 0030/0040/0050 UTC
11166 60070 13467 30001 00049 00000 00000 00000 00000

Link 60081

18257/15907/13385 kHz, 03-04, 1300/1310/1320 UTC

11166 60081 12354 03001 00049 00000 00000 00000 00000

18257/15907/13385 kHz, 10-04, 1300/1310/1320 UTC

11166 60081 78235 10001 00049 00000 00000 00000 00000

18257/15907/13385 kHz, 17-04, 1300/1310/1320 UTC

11166 60081 13467 17001 00049 00000 00000 00000 00000

17441/13457/11165 kHz, 24-04, 1300/1310/1320 UTC. (F06 10075 and 60081 swapped their frequencies)

11166 60081 18930 24001 00049 00000 00000 00000 00000

Link 70059

9473/7556/5471 kHz, 01-04, 040/0410/0420 UTC

11166 70059 14785 01021 00049 00000 00000 00000 00000

9473/7556/5471 kHz, 15-04, 0400/0410/0420 UTC

11166 70059 13467 15001 00049 00000 00000 00000 00000

Link 70202

11054/8189/6952 kHz, 01-04, 0700/0715/0730 UTC

File 44485 (binary contents)

10388/8084/6780 kHz, 01-04, 1200/1215/1230 UTC

File 44485 (binary contents)

11054/8189/6952 kHz, 02-04, 0700/0710/0720 UTC

10388/8084/6780 kHz, 02-04, 1200/1210/1220 UTC

11166 70202 13426 01086 02239

32332 00080 46834 27175 19064 41172 48743 15345 34963 05582

43702 96374 79790 70601 85622 52107 99169 21363 60205 86217

62322 33233 65645 71489 17227 41411 29373 77279 46680 14918

46770 06840 73651 77176 52794 99188 89406 40353 62451 75227

02819 45659 41051 32776 34305 26797 90189 20221 02833 38741

60391 43473 79431 19030 26343 85903 05640 73775 85667 45961

00340 05561 67174 22153 03400 25421 59509 00070 29574 16094

96161 21160 31097 38728 57754 37922 92404 00236 77550 85208

05416 23476 61131 22339 98828 87458 56158 25692 19850 29756

33186 36482 91807 28308 63431 93390 96075 04810 04465 04756

51758 16868 29746 39995 91563 31115 62940 44954 57299 94468

02965 10877 63450 45721 50691 51659 02241 34649 73244 69114

88653 40833 66837 10890 68824 09368 04084 50767 40241 45653

76713 46000 57219 36462 69636 51397 20045 89457 27300 94828

71263 08361 98256 43843 47529 45943 68905 18093 60455 02046

22314 27242 04911 58803 83093 39046 18194 70261 34237 07307

38522 48573 16866 14366 36275 13975 48829 07846 16432 00707

23086 36310 15632 36089 71813 13539 42308 34920 07166 66110

33323 76403 74644 43959 25541 55772 79989 98623 65784 27822

75558 58846 07605 84505 17099 58230 68309 33818 26882 94631

44677 72125 24116 25980 10801 67143 08582 32209 46506 93744

08430 97992 69759 89788 28075 95962 71529 24160 57123 75108

76523 86221 00000

11166 70202 68943 01087 01839

20796 06683 36261 56293 99194 62698 26571 09692 28853 91409

07685 80276 93090 00313 46541 25079 63757 57130 99117 85783

33235 18570 97952 45069 89894 76361 26084 15080 54197 06520

07111 06462 17630 32763 66051 51404 51659 40035 40684 79119

78890 99059 48080 67208 23628 87865 35976 17333 84005 21226

73722 28653 92898 23942 62450 67442 59786 08915 69172 56348

10762 45935 14501 31702 68869 32137 68659 42345 41967 00052

35482 88394 10296 24189 29100 23380 30935 12099 72975 68206
01353 90836 75998 10364 49213 24782 65316 86835 40653 25740
80589 74125 24192 41263 59365 33865 52479 32137 68243 87406
49063 74962 59536 17877 12363 50772 58107 23098 74033 05618
08063 67823 53921 94074 34009 08737 78779 41584 96528 90637
56946 86589 46604 37249 26166 88389 08636 85106 16740 11657
46774 33937 97202 23545 94230 11987 94697 64342 50273 79726
07255 77590 74576 20370 50146 10615 33630 90654 03508 21406
78878 30301 53428 52779 61294 53615 43673 59765 12055 71646
80241 01153 44033 18352 55952 31137 53762 79208 87220 51997
28585 45696 80247 13746 88666 44097 68775 71696 18552 12061
90623 87181 00000

11054/8189/6952 kHz, 03-04, 0700/0715/0730 UTC
10388/8084/6780 kHz, 03-04, 1200/1215/1230 UTC

File 44488 (binary contents) Header 11166 70202 85467 02088 00009
File 44488 (binary contents) Header 11166 70202 85467 02088 00009

11054/8189/6952 kHz, 04-04, 0700/0710/0720 UTC
10388/8084/6780 kHz, 04-04, 1200/1210/1220 UTC

11166 70202 45218 03089 02199
35856 93752 83175 87239 03549 46313 97613 23352 32531 77382
03954 11090 56785 53329 91337 57661 94841 54282 72795 65111
16377 00864 87635 86005 39372 33741 67988 99915 31284 13212
05450 90385 12645 30987 78762 27084 86555 51371 28468 82811
42486 24024 89470 40064 07828 35497 17441 66829 45646 91717
70019 66315 22056 48622 28727 30290 91662 33126 72548 50716
74514 21607 39102 69380 22983 68094 34358 70200 02037 99359
76814 43888 31323 19083 87093 79667 62506 88292 58884 63730
90295 74258 72168 89121 20602 85033 34666 06727 44266 31826
62450 72076 89783 86389 35648 67621 53478 25620 90186 05200
30544 80551 31506 38356 95417 31932 81185 39214 04893 19563
92413 19595 22430 57606 95246 01045 87100 73026 57590 63497
75586 09370 72838 27217 30694 63064 10112 47743 54803 44419
88031 28505 91696 80529 57961 80802 45207 02256 07672 85831
08118 82471 21336 38461 99752 17775 56819 77416 35700 70839
26198 31595 78093 15599 90420 37171 39908 52449 04085 05192
41691 85662 71239 44352 44171 80190 98161 68627 05189 40052
54041 44458 34377 75490 75522 57182 44029 51089 76016 01377
19611 32025 45750 24825 58317 70665 53464 80783 49151 00675
85718 68228 92937 30831 84721 64790 85710 55741 70646 82042
13928 25631 59343 97845 34927 42408 11406 45425 41087 74186
73527 63881 31106 05448 98070 39808 36851 89217 00000

11166 70202 72193 03090 01959
61222 70846 37140 85459 66326 67030 77528 15506 10904 30690
44890 23710 39271 61110 99198 02686 53240 36083 48047 58536
99031 40201 56847 05603 59745 20975 98189 57006 26843 39977
76298 90682 49063 11190 87526 95592 82220 43748 02816 27795
88325 31264 83076 31072 57446 54923 63406 01786 50776 92532
67099 02674 88316 50721 35377 55244 29637 62464 83775 65479
21131 17133 21139 62527 08221 15249 92135 55066 35934 65130
29261 35036 86303 63629 25239 83413 26012 28127 61776 57736
62739 71993 55603 66043 33629 40690 07734 56934 74327 50705
66887 80424 42023 98503 43007 99296 90929 31692 31817 55617
23647 99573 36345 22128 66838 25283 96366 93174 44662 66696
61680 94889 48393 58291 70188 19288 25678 51161 16681 11981
37848 93350 23293 68189 58745 17718 47555 16751 13487 29504
88977 96794 80600 10788 80110 56783 05993 84036 73008 30606
02155 01917 57051 70412 31067 55564 69044 40862 94236 18498
81539 04501 78292 68367 80324 52929 29588 53720 66997 63460
56250 97976 47592 85957 81099 57791 93160 89526 93890 78011
83277 23773 76309 10389 68384 74281 98150 88263 11925 17033
08142 74377 98198 01428 67815 24034 16875 16616 01900 30766
60111 20811 63641 90193 00000

11054/8189/6952 kHz, 05-04, 0700/0710/0720 UTC
10388/8084/6780 kHz, 05-04, 1200/1210/1220 UTC

11166 70202 62347 05034 00049 00000 00000 00000 00000
11166 70202 62347 05034 00049 00000 00000 00000 00000

11054/8189/6952 kHz, 08-04, 0700/0715/0730 UTC
10388/8084/6780 kHz, 08-04, 1200/1215/1230 UTC

File 44491 (binary contents)
File 44491 (binary contents)

11054/8189/6952 kHz, 09-04, 0700/0710/0720 UTC
10388/8084/6780 kHz, 09-04, 1200/1210/1220 UTC

11166 70202 25479 08092 02039
51637 15609 38958 82455 05220 27969 24080 30053 80013 20235
48288 22409 83029 64839 35626 64184 34815 25722 86828 39205
30262 31130 87055 67881 19439 46515 14117 67061 00623 08456
51864 35767 42734 05565 38455 15250 79342 17301 04162 96794
41458 46626 78425 75716 21262 07456 70825 74990 83993 52818
55671 86943 70166 54691 14892 06450 55303 71422 18915 54072
59377 63692 50215 12577 23148 44945 99235 25268 93582 77235
87354 29575 85541 48416 96589 24334 11924 91618 10731 94191
99461 32946 97583 39583 32335 78340 87019 85709 90817 75531
24502 68956 77123 12032 04805 24191 45652 35106 15576 21382
79811 04636 45471 24964 82611 14850 36508 74401 73218 45831
85359 09373 06648 30743 23248 88031 58796 49722 29157 71762
43985 86366 56013 74883 57218 07760 74555 02726 58330 53963
64563 26530 40215 47926 08139 68595 48331 61735 64723 96121
43656 00161 32541 47182 26290 87406 26158 37255 61890 68043
24839 19771 78124 58020 71394 99088 23331 06723 26203 19362
04577 55998 06097 77712 47290 07095 62795 35163 43673 31444
80586 23761 82064 86233 97917 73329 74442 20698 82618 06286
24273 84072 15410 73961 01867 71142 61406 32869 19444 66329
34297 84340 23100 72252 82889 25990 43847 33692 54694 88423
74925 92201 00000

11166 70202 85237 08093 01579
26232 19232 24030 36082 07108 93219 89553 79416 91317 96788
44127 56540 01234 82993 33960 78161 63710 27683 21176 44329
01141 28538 97774 07981 17925 81166 84838 64750 18286 11937
15445 61240 16372 72226 24693 38941 24580 23802 95304 55971
31039 69981 32230 53846 02195 12297 64687 61453 71421 37329
99091 53418 99615 63405 71292 05056 18697 01848 71566 11089
93949 12461 40804 60321 66161 57943 61327 83468 59475 86915
90760 16301 65905 00246 12428 45320 42451 80365 00668 28139
81744 88259 24544 05757 42169 57824 38366 48913 48397 42265
32463 05715 98259 92247 42651 42717 36917 70460 41829 96654
84243 32302 62139 78996 26373 27363 21135 00529 07344 01396
50384 08138 81776 03462 49961 50990 14531 27944 17244 18299
38262 46108 23474 15852 04835 06899 36500 73502 91516 11671
13160 00801 47896 92520 09721 32963 94461 48931 83826 34355
08773 22398 86384 51681 60178 13732 66836 34078 78992 72727
40240 62274 71093 14877 89605 93155 00000

11054/8189/6952 kHz, 10-04, 0700/0715/0730 UTC
10388/8084/6780 kHz, 10-04, 1200/1215/1230 UTC

File 44494 (binary contents) Header 11166 70202 61548 09094 00009
File 44494 (binary contents) Header 11166 70202 61548 09094 00009

11054/8189/6952 kHz, 11-04, 0700/0710/0720 UTC
10388/8084/6780 kHz, 11-04, 1200/1210/1220 UTC

11166 70202 85476 10095 01519
91007 17655 65228 69337 18871 25358 46366 91551 29648 63237
82954 46694 47522 69164 24200 54993 19598 83531 71343 94119
66536 46137 80881 09024 00465 29511 49907 32411 96114 38343
32021 58051 26120 29718 57253 34107 96408 33836 54414 68671
42632 79911 99332 64696 73569 56932 37410 26506 72438 63969
53925 05078 92056 29731 90531 74284 04783 06033 31387 55273
93189 64890 07343 31185 92388 53906 91642 19388 19957 89648

85560 93418 54395 93705 17421 71821 48065 01101 03429 16064
85530 95759 43756 04729 23248 52718 52328 76154 71545 91752
43723 56729 04820 72124 25652 17012 10895 83126 70433 22872
15479 10118 63916 73837 42659 80730 55276 45841 97363 20946
56130 80541 80735 75716 62408 88421 74357 73827 97410 57835
54257 41688 99500 87207 20642 95727 02856 82561 54281 68100
84728 87564 35502 45378 77652 38284 86710 24909 70012 59838
24383 18555 43451 47123 31480 58466 20512 96818 86192 95149
00000

11166 70202 75234 10096 02099
09923 01257 75911 98776 84539 12845 88380 43831 73637 28913
78937 34334 47846 73972 01958 76224 82158 24430 21672 76661
17424 84798 36984 86888 68421 96821 70851 67848 45706 17449
03890 76997 83408 26589 56916 99743 90184 50596 52098 73951
65488 12405 07408 80952 48374 44270 44056 01495 90998 24041
11617 60074 74019 20906 60499 06082 06081 61548 16481 05200
74557 52653 36978 39496 39770 20690 53735 39647 89830 54929
31636 97717 98329 64613 98307 33960 52043 86223 24224 16039
40837 01788 57971 54146 26977 54154 46384 20430 36017 70181
94237 66170 36451 27770 43165 35160 00332 27687 74511 96697
62028 56105 65797 46663 17314 48807 55483 50084 29982 92986
95721 23653 38156 27583 97782 81619 77505 28088 99852 93494
63540 86769 11872 27019 00172 24232 17115 74815 06732 93271
35199 88168 80642 60947 76204 66378 37908 79818 40593 75112
98634 84272 44619 92196 09750 72896 75912 04297 22126 62811
08930 02900 64274 26927 34948 53065 79818 50036 86306 33353
20921 64697 59565 70395 14851 52843 67285 16522 45890 24041
73105 43896 19755 06359 89801 53591 02726 10764 45034 23046
52671 54991 44452 40334 84152 57828 86842 98689 34805 39739
11029 49725 25163 90780 79189 38775 29144 91740 26286 70809
97352 99430 30304 80348 00413 32084 82965 96207 00000

11054/8189/6952 kHz, 12-04, 0700/0710/0720 UTC

11166 70202 89451 11081 00049 00000 00000 00000 00000

11054/8189/6952 kHz, 15-04, 0700/0715/0730 UTC
10388/8084/6780 kHz, 15-04, 1200/1215/1230 UTC

File 44497 (binary contents) Header 11166 70202 26598 12097 00009
File 44497 (binary contents) Header 11166 70202 26598 12097 00009

11054/8189/6952 kHz, 16-04, 0700/0710/0720 UTC
10388/8084/6780 kHz, 16-04, 1200/1210/1220 UTC

11166 70202 42859 15098 02159
67314 08189 65214 92451 58340 57133 26946 25906 48314 14160
16155 33615 01739 88391 86428 98440 82507 22219 39350 51417
36393 72498 74222 39127 21676 32473 41404 09147 30115 05344
53953 86989 65431 65450 37251 42999 71498 67978 21308 72611
27431 93145 05430 38443 51753 35795 49933 47626 82837 76333
74606 62838 27796 93959 68585 70461 97028 08115 41352 54303
66584 59088 69527 48329 35560 63728 19159 66829 70698 07180
48177 35470 55375 56602 18720 71654 85182 07793 74007 87644
77266 00658 59450 14871 85631 64474 92691 72873 39586 78865
12258 31303 47521 61445 59507 38433 33206 18052 73572 14615
96797 16524 03978 34097 17732 69947 70614 43684 41713 40309
25776 91625 18959 98500 97920 65216 85912 01609 21871 60511
07590 73425 85115 32613 22768 99119 44925 99966 59188 70007
95938 01088 10966 39357 92944 27173 95394 75161 58513 79032
31340 20834 30179 21767 06388 99733 26872 35640 24964 24492
39264 86584 54590 97054 73732 64765 12478 10382 04626 64654
59635 87749 14517 05045 94684 20588 27128 12439 64574 90786
62627 16262 34375 88415 69967 29324 83339 60787 15969 11971
19424 53814 35826 43368 29453 31577 74725 48353 07119 85061
75268 53286 25991 65990 90377 69344 49748 06690 26387 26698
96790 11929 45982 07997 01441 33668 85705 54617 38913 64660
67690 44096 06244 98213 00000

11166 70202 12378 15099 02019
55031 42355 73994 01253 77720 60158 94076 03383 28899 78356
94938 48747 19472 42467 34120 49817 10702 28308 13250 02417
95061 40018 36884 23631 04530 45279 57367 19888 69765 64932
91675 14911 78592 59179 21166 92213 07253 77551 10171 31841
22832 64837 04385 46027 80331 40154 94968 43476 62792 91345
59311 76935 37937 51912 14398 53763 29738 52637 43705 14170
28378 65107 83570 06819 87018 79327 79980 16485 78825 82587
51688 23448 12686 31801 20637 99307 31055 36479 95592 68920
38365 94541 19939 93131 33443 48147 19574 51995 44367 51725
11841 33171 89202 69409 61426 55189 11058 44048 94174 80256
60883 04992 04749 96306 26476 06823 19073 72980 31104 16246
97502 21208 50199 89301 89650 11102 19555 06104 76815 27835
33462 55276 62936 70191 56231 85294 00035 21485 95522 64901
59050 47527 10933 19799 82035 01333 56279 37789 76633 39250
79000 59567 38773 78205 25139 97341 14530 48753 23311 48475
37085 23605 46133 96334 99713 26340 72517 15535 50751 49980
99287 23760 21469 40114 75545 47360 22795 22255 58235 92903
71822 78133 12331 41872 34040 00596 04089 10689 92219 81806
60812 43265 77910 14439 95551 28257 26456 10541 20179 58214
41493 67763 95289 72807 79856 37642 90352 53335 92834 99199
00000

11054/8189/6952 kHz, 17-04, 0700/0715/0730 UTC File 44401 (binary contents)
10388/8084/6780 kHz, 17-04, 1200/1215/1230 UTC Not found

11054/8189/6952 kHz, 18-04, 0700/0710/0720 UTC
10388/8084/6780 kHz, 18-04, 1200/1210/1220 UTC

11166 70202 96742 17002 02079
32511 71092 24223 34369 49493 81681 23437 51144 83663 37883
00622 65132 29770 28451 49625 70943 62695 11949 59038 65412
11032 28387 89141 26091 18258 48851 38792 39428 52453 67803
25694 95868 50473 67752 28478 94014 07553 10971 64041 21066
48239 37946 98579 01714 39622 77269 15737 32685 32783 96625
90339 45107 43402 49589 41118 61905 07467 97909 60877 42400
73014 13972 47549 31297 13845 93116 84552 54263 76144 30515
43915 27276 93962 42284 10585 71915 34465 35519 51364 53819
58917 56948 76921 86456 10321 74883 70296 67425 63657 74161
80353 39459 99655 68759 03611 93323 88042 61771 02884 54800
91193 07443 36191 22935 24143 54937 94340 51749 31866 78528
70654 92586 69797 23910 11252 39303 98496 25304 19342 43468
28419 73053 11956 91773 75723 36401 52557 62844 15046 71116
07971 05621 40187 66691 03063 06519 68648 12758 71613 37541
50953 89439 26819 02539 70685 11318 99861 23801 46196 79694
19980 36164 69903 22845 34480 80827 46127 28945 92131 16069
13398 01367 38377 87037 62175 91014 95788 21813 83914 85412
28229 45929 12417 59207 12130 32541 43403 15790 63344 30417
43252 74714 92998 36956 82824 84607 90784 08414 57339 66253
59138 24518 78204 15544 46725 49671 47772 20974 54687 57916
52936 75378 14078 13865 38510 02205 00000

11166 70202 23671 17003 01739
43701 38407 44705 41830 89548 33151 73995 06283 02477 54548
81861 35462 24864 85174 09574 52691 33165 81486 85390 04123
57430 65200 50187 30631 59524 08121 50369 76130 93475 27622
84007 62011 96381 34952 11138 82369 83328 03570 64153 99730
44749 49670 19232 45944 69657 42126 14744 57948 43198 83989
27560 03076 91961 32784 43209 73608 75470 51735 80831 55248
47316 09160 58838 99211 34346 68178 12242 52611 07363 33952
97585 26841 41762 50623 46397 08625 91551 65153 53128 43435
25181 00243 08495 45959 96633 03514 14169 17308 50203 65162
39755 73643 82403 21245 07990 15928 09440 84800 19099 95464

13690 71990 50258 54937 67624 15450 91079 49614 58602 82028
 01082 78425 62987 37117 00060 79587 43016 22738 27311 70457
 64863 41603 30643 36332 61322 64306 71098 97840 87567 01849
 54353 11649 43412 10692 24697 84151 60507 22509 82563 02835
 77925 15835 11521 15009 54553 71798 25679 08586 91742 81119
 73444 74598 64652 94571 58560 56144 85720 34082 64363 13444
 48697 06663 92209 59697 26691 88372 49992 47431 22645 70468
 51697 03171 00000

11054/8189/6952 kHz, 19-04, 0700/0710/0720 UTC 11166 70202 56912 19056 00049 00000 00000 00000 00000

22-26 April.

Apparently it has sent as F06a all week (except Friday's null). 0715z changed to 8185 kHz and went back to 8189 kHz on Friday. Also it's apparently transmitted extra cycles all week except Friday again, on 0900/0915/0930z 12213/14929/17537cf, 1300/1315/1330z 15919/11573/10685cf and 1400/1415/1430z ?????/11169/9967cf. (PY)

11054/8185/6952 kHz, 22-04, 0700/0715/0730 UTC File 44404 (binary contents)
10388/8084/6780 kHz, 22-04, 1200/1215/1230 UTC. Not monitored

12213/14929/17537 kHz, 22-04, 0900/0915/0930 UTC 11166 70202 15789 22060 00049 01010 23232 45454 00000

15919/11573/10685 kHz, 22-04, 1300/1315/1330 UTC 11166 70202 62547 22073 00029 67676 00000

????/11169/9967 kHz, 22-04, 1400/1415/1430 UTC 11166 70202 62547 22073 00029 67676 00000

11054/8185/6952 kHz, 23-04, 0700/0715/0730 UTC File 44405 (binary contents)
10388 kHz, 22-04, 1200 UTC. 1215/1230z not monitored File 44405 (binary contents)

12213/14929/17537 kHz, 23-04, 0900/0915/0930 UTC 11166 70202 74259 22011 00039 89898 00000 00000

10388 kHz, 23-04, 1200 UTC File 44405 (1843 bytes), binary file with empty text header

15919/11573/10685 kHz, 23-04, 1300/1315/1330 UTC Files 44406 (753 bytes), 44407 (962 bytes), 44408 (431 bytes)
 Binary files with empty text headers

????/11169/9967 kHz, 23-04, 1400/1415/1430 UTC Files 44406 (753 bytes), 44407 (962 bytes), 44408 (431 bytes)
 Binary files with empty text headers

11054/8185/6952 kHz, 24-04, 0700/0715/0730 UTC File 44409 (binary contents) Header 11166 70202 14785 23009 00009
10388/8084/6780 kHz, 24-04, 1200/1215/1230 UTC File 44409 (binary contents) Header 11166 70202 14785 23009 00009

11054/8185/6952 kHz, 25-04, 0700/0715/0730 UTC File 44413 (1936 bytes), empty text header
10388/8084/6780 kHz, 25-04, 1200/1215/1230 UTC File 44413 (1936 bytes), empty text header

12213/14929/17537 kHz, 24-04, 0900/0915/0930 UTC File 44410 (7159 bytes) 11166 70202 32145 23010 00009 followed by second, empty text header

10388 kHz, 24-04, 1100 UTC 11166 70202 96521 23077 00049 00000 00000 00000 00000

????/11169/9967 kHz, 24-04, 1400/1415/1430 UTC Files 44411 (1647 bytes) 11166 70202 85246 23011 00009 and 44412 (1638 bytes) 11166 70202 98745 23012 00009 followed by second, empty text header

????/11169/9967 kHz, 24-04, 1400/1415/1430 UTC Files 44411 (1647 bytes) 11166 70202 85246 23011 00009 and 44412 (1638 bytes) 11166 70202 98745 23012 00009 followed by second, empty text header

10388/10685 kHz, 25-04, 1300/1330 UTC 11166 70202 76483 24087 000391 23456 78900 00000

12213/14929/17537 kHz, 25-04, 0900/0915/0930 UTC 7 files: 44414, 44415, 44416, 44417, 44418, 44419, 44420
 File 44414 (940 bytes), binary file with empty text header
 File 44415 (1539 bytes), binary file with empty text header
 File 44416 (765 bytes), binary file with empty text header
 File 44417 (944 bytes), binary file with empty text header

File 44418 (1221 bytes), binary file with empty text header
File 44419 (899 bytes), binary file with empty text header
File 44420 (445 bytes), binary file with empty text header

Notes by PY:

The metadata in this transmission seems corrupted. In F06, every 16th block is a metadata block that is not part of any message. However, 2 out of the 7 messages are stated to start with a metadata block instead of a data block: message #5 at block #288 (16 x 18 = 288), and message #7 at block #432 (16 x 27 = 432). First of all this doesn't make sense. Then, according to the actual bitstream, while message #5 does simply start with the following data block #289 - not a big issue - the rest is plain wrong: message #6 really starts with block #372 instead of #371 as indicated, while block #371 is still part of the previous message; and message #7 really starts with block #434 instead of #432 as indicated, while block #433 is still part of the previous message.

Message index in metadata: blocks #1, #66, #170, #223, #288, #371, #432
Actual correct message index: blocks #1, #66, #170, #223, #289, #372, #434

I have never encountered this. This corruption was the same in all 3 repeated transmissions. Of course, this causes messages #5 to #7 not to get decoded right; although it's still possible to decode them by fixing the message index. Given the obvious test nature of some of these transmissions' payloads, and some other examples of corruption we've observed on the Pacific weekdays network from Khabarovsk during March, we could hypothesize that this corruption might have been some other, intentional kind of test.

15919/11573/10685 kHz, 25-04, 1300/1315/1330 UTC 11166 70202 76483 24087 00039 12345 67890 00000

????/11169/9967 kHz, 25-04, 1400/1415/1430 UTC 11166 70202 76483 24087 00039 12345 67890 00000

11054/8189 kHz, 26-04, 0700/0715 UTC 11166 70202 14785 26069 00049 00000 00000 00000 00000

11054/8185/6952 kHz, 29-04, 0700/0715/0730 UTC File 44421 (binary contents)

10388/8084/6780 kHz, 29-04, 1200/12a5/1230 UTC File 44421 (binary contents)

11054/8189/6952 kHz, 30-04, 0700/0710/0720 UTC

10388/8084/6780 kHz, 30-04, 1200/1210/1220 UTC

11166 70202 85231 27022 01279
22013 84528 53470 78179 17578 98050 63927 66477 48004 39304
37980 86512 51258 41949 38053 95999 18809 52849 21085 67786
30698 26198 02948 80722 53611 32601 97579 84056 06614 06527
48003 21305 24259 80580 91439 24535 71743 80028 25676 14994
91794 76012 68906 71019 87996 20901 30202 49179 74220 14193
32825 69567 44855 72441 57555 01199 45530 01605 98228 08435
49014 95286 46663 44392 65975 07286 49176 02248 45290 71905
01863 60405 43594 70446 76836 82435 68760 67341 96612 57746
26982 64337 98823 93911 28168 46204 58455 96590 29315 16364
59786 97999 20567 45913 35228 19833 83624 84455 13241 81617
77220 06189 42523 90394 29320 89683 84657 72703 40753 54793
92398 34776 29962 05126 15797 61898 73544 49525 03339 92863
22288 00988 90296 30472 97379 22125 00000

11166 70202 23647 27023 02339
88579 14502 10830 11340 59610 11547 58915 33165 11177 58807
28601 79661 89756 61019 80262 11178 64464 75542 34651 76269
77065 81196 10849 70229 78419 79237 24874 96855 81043 74892
91115 44368 82463 12898 93782 11432 39063 65485 20570 44210
95109 96240 75711 70389 96631 48282 14618 41120 44863 30192
67282 16800 68913 98138 42650 57643 22370 57628 31117 04974
33510 33324 47379 64178 63814 80366 80790 25259 54474 35638
45427 81914 65566 32407 47052 35103 37593 26781 09157 92006
30081 09427 25278 96351 16905 00968 29762 51007 43048 54521
04186 18809 72473 13797 61600 12544 81789 00197 75797 10035
79414 27366 47782 55251 54907 66610 26644 31407 88167 11641
27004 16951 73182 16066 10235 60421 36016 02074 21636 35076
51721 63752 00760 59248 89866 13466 07058 93359 43360 44739
28057 49536 20269 10088 62241 74756 03307 37218 93821 93468
06691 32049 01594 20627 85042 41991 69065 81065 74037 77908

88035 96164 67469 18219 72827 23740 60432 43549 27342 62080
13309 75408 32139 54103 16234 17290 43725 52524 58750 21658
23231 32018 34313 31254 36674 59272 34352 68147 93993 56905
11573 68988 19036 22153 17183 89880 67691 86295 41727 29328
36357 25727 14229 42679 27923 60636 39319 46516 67464 02217
77036 36423 84828 34348 94996 66567 06304 40689 47611 64542
22556 13124 62037 79889 25026 02481 35568 89761 27967 97487
74119 10146 18320 42879 26531 86090 00602 32601 94345 59377
29004 23231 00000

Link 80214

20875/19947/14571 kHz, 04-04, 1330/1340/1350 UTC

11166 80214 81523 04058 00049 00000 00000 00000 00000

20875/19947/14571 kHz, 11-04, 1330/1340/1350 UTC. Wrong date field

11166 80214 76524 20075 00049 00000 00000 00000 00000

20875/19947/14571 kHz, 18-04, 1330/1340/1350 UTC. Wrong date field

11166 80214 23458 17042 00049 00000 00000 00000 00000

20875/19947/14571 kHz, 25-04, 1330/1340/1350 UTC

11166 80214 65412 25017 00049 00000 00000 00000 00000

F06a – FSK 200/1000

5089/5785/6976 kHz, 04-04/05-4, 0400/0415/0430 UTC	File 04427 (binary contents)
5089/5785/6976 kHz, 11-04/12-4, 0400/0415/0430 UTC	File 04428 (binary contents)
5089/5785/6976 kHz, 18-04/19-4, 0400/0415/0430 UTC	File 04429 (binary contents)
5089/5785/6976 kHz, 25-04/26-4, 0400/0415/0430 UTC	File 04430 (binary contents)

11464/10231/9070 kHz, 27-04, 0630 UTC	File 04429 (binary contents)
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Test/training transmissions

10687 kHz, 16-04, 0500 UTC	File 44438 (binary contents)
7992 kHz, 16-04, 0515 UTC	Message. Too weak to decode
12211/10576/8075 kHz, 16-04, 1500/1515/1530 UTC	File 44438 (binary contents)
10687/7992 kHz, 18-04, 0500/0515 UTC	File 44439 (binary contents) 11100 00000 36985 17039 00009
12211/10576/8075 kHz, 18-04, 1500/1515/1530 UTC	File 44439 (binary contents) Header 11100 00000 36985 17039 00009

F02 – Russian domestic net

Mode: MFSK-4/150Bd/4000Hz

18039 kHz, 03-04, 1036 UTC
18039 kHz, 03-04, 1050 UTC

F07

14541 kHz, 02-04/04-04/09-04/11-04/16-04/18-04/23-04/25-04/30-04, 2000 UTC
13526 kHz, 02-04/04-04/09-04/11-04/16-04/18-04/23-04/25-04/30-04, 2010 UTC
12214 kHz, 02-04/04-04/09-04/11-04/16-04/18-04/23-04/25-04/30-04, 2020 UTC
11476 kHz, 02-04/04-04/09-04/11-04/16-04/18-04/23-04/25-04/30-04, 2030 UTC
10283 kHz, 02-04/04-04/09-04/11-04/16-04/18-04/23-04/25-04/30-04, 2040 UTC
9367 kHz, 02-04/04-04/09-04/11-04/16-04/18-04/23-04/25-04/30-04, 2050 UTC

HM01 - Dirección General de Inteligencia

It seems that HM01 dropped the 1600, 1700 & 1800 UTC schedules now Radio Habana Cuba transmits during that time:

10860 kHz, 01-04, 0455 UTC

Groups 46267 65361 60676 73411 51078 75448
Files 30714626.TXT 73076536.TXT 50166067.F1C 32877341.TXT 02575107.TXT 05647544.TXT
Callsign QWERTY01

10860 kHz, 02-04, 0455 UTC

Groups 83111 65362 60677 73412 68041 75449
Files 38678311.TXT 73076536.TXT 50166067.F1C 32877341.TXT 88146804.TXT 05647544.TXT
Callsign QWERTY01

11760 kHz, 02-04, 1600 + 1700 UTC

Radio Habana Cuba is still on the air, hence no HM01.

10860 kHz, 03-04, 0510 UTC

Groups 83112 65364 23261 73414 68042 88031
Files 38678311.TXT 73076536.TXT 36862326.F1G 32877341.TXT 88146804.TXT 50728803.F1C
Callsign QWERTY01

11760 kHz, 03-04, 1600, 1700, 1800 UTC

Radio Habana Cuba is still on the air, hence no HM01.

10860 kHz, 04-04, 0500 UTC

Group 83114 65366 23262 73416 68044 88033
Files 38678311.TXT 73076536.TXT 36862326.F1G 32877341.TXT 88146804.TXT 50728803.F1C
Callsign QWERTY01

11760 kHz, 04-04, 1600, 1700, 1800 UTC

Radio Habana Cuba is still on the air, hence no HM01.

Radio Habana Cuba seems to have problems.

1600z normal audio

1610z carrier with sometimes distorted audio

1702z still a carrier

1730z carrier

1815z carrier

10345 kHz, 05-04, 0626 UTC

Groups 83115 65367 23263 73417 68045 88034
Files 38678311.TXT 73076536.TXT 36862326.F1G 32877341.TXT 88146804.TXT 50728803.F1C
Callsign QWERTY01

10860 kHz, 06-04, 0500 UTC. Carrier till 0511z

Groups 83116 14631 23264 73418 68046 88035
Files 38678311.TXT 86511463.TXT 36862326.F1G 32877341.TXT 88146804.TXT 50728803.F1C
Callsign QWERTY01

10345 kHz, 07-04, 0605 UTC

Groups 83117 14631 23265 26861 68047 88036
Files 38678311.TXT 86511463.TXT 36862326.F1G 02232686.TXT 88146804.TXT 50728803.F1C
Callsign QWERTY01

10345 kHz, 08-04, 0558 UTC Repeat of 7 April

10860 kHz, 09-04, 0515 UTC

Group 83118 14632 23266 26861 68048 88037
Files 38678311.TXT 86511463.TXT 36862326.F1G 02232686.TXT 88146804.TXT 50728803.F1C
Callsign QWERTY01

10860 kHz, 10-04, 0515 UTC Repeat of 3 April

11635 kHz, 10-04, 2054 UTC, AM Carrier followed by Radio Habana Cuba at 2057z instead of HM01.
10860 kHz, 11-04, 0457 UTC Repeat of 4 April
10860 kHz, 12-04, 0500 UTC Repeat of 5 April

10860 kHz, 13-04, 0520 UTC. Repeat of 30 March
10345 kHz, 14-04, 0600 UTC Repeat of 30 March
Groups 46265 68139 60674 00779 51076 75446
Files 30714626.TXT 50546813.F1C 50166067.F1C 41460077.TXT 02575107.TXT 05647544.TXT
Callsign QWERTY01

10860 kHz, 15-04, 0500 UTC
10860 kHz, 16-04, 0510 UTC. Repeat of 15 April
10860 kHz, 17-04, 0510 UTC. Repeat of 15 April
Groups 10327 00451 44626 36161 58711 78616
Files 15141032.TXT 54130045.TXT 36734462.F1G 50183616.F1C 36805871.F1G 18207861.TXT
Callsign QWERTY01

10860 kHz, 18-04, 0510 UTC
Groups 85181 00453 44628 36162 58712 03301
Files 34218518.TXT 54130045.TXT 36734462.F1G 50183616.F1C 36805871.F1G 50080330.TXT
Callsign QWERTY01

10860 kHz, 19-04, 0501 UTC
Groups 85182 00455 42441 36164 58712 03302
Files 34218518.TXT 54130045.TXT 36724244.F1G 50183616.F1C 36805871.F1G 50080330.TXT
Callsign QWERTY01

10860 kHz, 20-04, 0506 UTC. Late start
Groups 85183 00456 42442 36165 58715 03303
Files 34218518.TXT 54130045.TXT 36724244.F1G 50183616.F1C 36805871.F1G 50080330.TXT
Callsign QWERTY01

10345 kHz, 21-04, 0603 UTC
Groups 85184 00457 42443 36166 58716 03304
Files 34218518.TXT 54130045.TXT 36724244.F1G 50183616.F1C 36805871.F1G 50080330.TXT
Callsign QWERTY01

10345 kHz, 23-04, 0600 UTC
Groups 83119 14633 23267 26862 20261 88038
Files 34218518.TXT 54130045.TXT 36724244.F1G 50183616.F1C 85012026.TXT 50080330.TXT
Callsign QWERTY01

10860 kHz, 24-04, 0501 UTC
Groups 10321 14634 23268 26863 20261 88039
Files 15141032.TXT 86511463.TXT 36862326.F1G 02232686.TXT 85012026.TXT 50728803.F1C
Callsign QWERTY01

10860 kHz, 25-04, 0501 UTC
Groups 10322 14636 44621 26865 20263 78611
Files 15141032.TXT 86511463.TXT 36734462.F1G 02232686.TXT 85012026.TXT 18207861.TXT
Callsign QWERTY01

10860 kHz, 26-04, 0500 UTC
Groups 10323 14637 44622 26866 20264 78612
Files 15141032.TXT 86511463.TXT 36734462.F1G 02232686.TXT 85012026.TXT 18207861.TXT
Callsign QWERTY01

10860 kHz, 27-04, 0500 UTC
Carrier till 0514z followed by Windows sounds and the groups
Groups 10324 14638 44623 26867 20265 78613
Files 15141032.TXT 86511463.TXT 36734462.F1G 02232686.TXT 85012026.TXT 18207861.TXT
Callsign QWERTY01

10345 kHz, 28-04, 0603 UTC

Groups 10325 14639 44624 26868 20266 78614
 Files 15141032.TXT 86511463.TXT 36734462.F1G 02232686.TXT 85012026.TXT 18207861.TXT
 Callsign QWERTY01

10860 kHz, 29-04, 0559 UTC**10860 kHz, 30-04, 0516 UTC (repeat of 29 April)**

Groups 10326 00451 44625 26869 20267 78615
 Files 15141032.TXT 54130045.TXT 36734462.F1G 02232686.TXT 85012026.TXT 18207861.TXT
 Callsign QWERTY01

P07

10446 kHz, 03-04/07-04/10-04/14-04/17-04/21-04/24-04/28-04, 1400 UTC
 9379 kHz, 03-04/07-04/10-04/14-04/17-04/21-04/24-04/28-04, 1410 UTC
 9109 kHz, 03-04/07-04/10-04/14-04/17-04/21-04/24-04/28-04, 1420 UTC
 8166 kHz, 03-04/07-04/10-04/14-04/17-04/21-04/24-04/28-04, 1430 UTC
 7718 kHz, 03-04/07-04/10-04/14-04/17-04/21-04/24-04/28-04, 1440 UTC
 6969 kHz, 03-04/07-04/10-04/14-04/17-04/21-04/24-04/28-04, 1450 UTC

Test / training traffic

The same cycles as XPA2 the week before. The 0800z cycle probably transmitted too.

10378 kHz, 22-04, 0400 8 channel P07 variant, no callup, no BPSK bursts, 4m46s
 11078 kHz, 22-04, 0410 8 channel P07 variant, no callup, no BPSK bursts, 4m46s
 11478 kHz, 22-04, 0420 8 channel P07 variant, no callup, no BPSK bursts, 4m46s
 12178 kHz, 22-04, 0430 8 channel P07 variant, no callup, no BPSK bursts, 4m46s
 13378 kHz, 22-04, 0440 8 channel P07 variant, no callup, no BPSK bursts, 4m46s
 13978 kHz, 22-04, 0450 8 channel P07 variant, no callup, no BPSK bursts, 4m46s

10378 kHz, 24-04, 0400 8 channel P07 variant, no callup, no BPSK bursts, 1m30s
 11078 kHz, 24-04, 0410 8 channel P07 variant, no callup, no BPSK bursts, 1m30s
 11478 kHz, 24-04, 0420 8 channel P07 variant, no callup, no BPSK bursts, 1m30s
 12178 kHz, 24-04, 0430 8 channel P07 variant, no callup, no BPSK bursts, 1m30s
 13378 kHz, 24-04, 0440 8 channel P07 variant, no callup, no BPSK bursts, 1m30s
 13978 kHz, 24-04, 0450 8 channel P07 variant, no callup, no BPSK bursts, 1m30s

12137 kHz, 24-04, 0600 8 channel P07 variant, no callup, no BPSK bursts, 3m09s
 13367 kHz, 24-04, 0620 8 channel P07 variant, no callup, no BPSK bursts, 3m09s
 13967 kHz, 24-04, 0620 8 channel P07 variant, no callup, no BPSK bursts, 3m09s
 14367 kHz, 24-04, 0630 8 channel P07 variant, no callup, no BPSK bursts, 3m09s
 14967 kHz, 24-04, 0640 8 channel P07 variant, no callup, no BPSK bursts, 3m09s
 15867 kHz, 24-04, 0650 8 channel P07 variant, no callup, no BPSK bursts, 3m09s

16252 kHz, 24-04, 1200 8 channel P07 variant, no callup, no BPSK bursts, 3m09s
 15864 kHz, 24-04, 1210 8 channel P07 variant, no callup, no BPSK bursts, 3m09s
 14729 kHz, 24-04, 1220 8 channel P07 variant, no callup, no BPSK bursts, 3m09s
 13892 kHz, 24-04, 1230 8 channel P07 variant, no callup, no BPSK bursts, 3m09s
 13366 kHz, 24-04, 1240 8 channel P07 variant, no callup, no BPSK bursts, 3m09s
 12194 kHz, 24-04, 1250 8 channel P07 variant, no callup, no BPSK bursts, 3m09s

16341 kHz, 24-04, 1310 8 channel P07 variant, no callup, no BPSK bursts, 2m45s
 15881 kHz, 24-04, 1320 8 channel P07 variant, no callup, no BPSK bursts, 2m45s
 13941 kHz, 24-04, 1330 8 channel P07 variant, no callup, no BPSK bursts, 2m45s

12211 kHz, 24-04, 1330 8 channel P07 variant, no callup, no BPSK bursts, 2m45s

10378 kHz, 26-04, 0400 8 channel P07 variant, 8 channels, no callup, no BPSK bursts, 2m32s
 11078 kHz, 26-04, 0410 8 channel P07 variant, 8 channels, no callup, no BPSK bursts, 2m32s
 11478 kHz, 26-04, 0420 8 channel P07 variant, 8 channels, no callup, no BPSK bursts, 2m32s

12178 kHz, 26-04, 0430	8 channel P07 variant, 8 channels, no callup, no BPSK bursts, 2m32s
13378 kHz, 26-04, 0440	8 channel P07 variant, 8 channels, no callup, no BPSK bursts, 2m32s
13978 kHz, 26-04, 0450	8 channel P07 variant, 8 channels, no callup, no BPSK bursts, 2m32s
12137 kHz, 26-04, 0600	8 channel P07 variant, no callup, no BPSK bursts, 2m56s
13367 kHz, 26-04, 0610	8 channel P07 variant, no callup, no BPSK bursts, 2m56s
13967 kHz, 26-04, 0620	8 channel P07 variant, no callup, no BPSK bursts, 2m56s
14367 kHz, 26-04, 0630	8 channel P07 variant, no callup, no BPSK bursts, 2m56s
14967 kHz, 26-04, 0640	8 channel P07 variant, no callup, no BPSK bursts, 2m56s
15867 kHz, 26-04, 0650	8 channel P07 variant, no callup, no BPSK bursts, 2m56s
16252 kHz, 26-04, 1200	8 channel P07 variant, no callup, no BPSK bursts, 1m55s
15864 kHz, 26-04, 1210	8 channel P07 variant, no callup, no BPSK bursts, 1m55s
16341 kHz, 26-04, 1310	8 channel P07 variant, no callup, no BPSK bursts, 1m55s
15881 kHz, 26-04, 1320	8 channel P07 variant, no callup, no BPSK bursts, 1m55s
13941 kHz, 26-04, 1330	8 channel P07 variant, no callup, no BPSK bursts, 1m55s
12211 kHz, 26-04, 1330	8 channel P07 variant, no callup, no BPSK bursts, 1m55s

XPA1

13368/12168/11168 kHz, 03-04/05-04, 1210/1230/1250 kHz

311 311 311 1 311 311 311 1 311 311 311 1
01970 00126 19856 98467 65719 69040 95831 35855 96810 66588
39678 91721 90979 79364 95904 17688 07503 56228 30681 10313
24447 65723 48160 20353 58998 16635 13835 09905 85724 12613
20223 96667 50094 16764 91465 72163 61968 68265 82413 29647
06993 56244 73288 96022 16046 39695 19740 96477 59302 45265
91131 75188 39946 82701 09850 80408 07012 18096 46832 99562
56220 52830 71998 97766 03627 77397 04543 66929 01170 33377
83214 24742 80270 84852 63562 84027 22677 00311 97337 07784
58510 72293 43526 83889 51356 48628 79033 82306 63269 10985
63732 59973 04874 52320 88183 64850 64980 19841 91380 71851
70334 58933 74170 91553 98218 29494 55492 39927 87754 36755
09172 51699 85764 14368 22926 80302 44496 00241 28976 53774
15432 68434 31959 75005 24338 59285 46018 04916 02421

13368/12168/11168 kHz, 10-04/12-04/17-04/19-04, 1210/1230/1250 kHz

311 311 311 1 311 311 311 1 311 311
00104 00098 17266 03313 65959 63145 69664 06919 45092 44164
59164 56552 96939 83143 31175 10706 15315 97448 00045 37588
36067 09653 96685 32550 69146 09435 76064 24179 62939 24597
70492 52628 54516 15243 94612 43772 10557 27030 33027 76626
14304 31994 23287 83885 54108 60755 18509 06424 57694 29426
70911 96524 84667 89525 89247 44106 90868 32834 52975 04354
92603 04332 50891 84959 44429 99141 10900 21668 70369 20899
13740 45007 86178 80252 85019 72457 70241 34165 54538 80817
26240 72654 68949 43964 10514 11329 86600 50817 26303 81802
29490 80656 78348 79136 44846 27402 77836 41036 84365 06324
63535

13368/12168/11168 kHz, 24-04/26-04, 1210/1230/1250 kHz

311 311 311 1 311 311 311 1 311 311 311 1
05878 00205 02659 57452 58713 35234 90412 93129 75898 94398
65225 42076 86507 39193 13981 20736 05225 49708 42777 88749
95590 22523 20254 08829 96112 94836 97302 21951 44746 70768
35025 08517 86676 20725 07738 88661 60698 92008 29768 43579
72346 53433 43443 56932 79690 98460 23841 51375 51216 67344
31565 01421 72021 50905 75835 68925 77796 37672 86326 84051
01943 07191 42521 50107 54045 25842 37305 89254 12147 97701
35109 71530 24361 57594 90297 98284 09812 27310 35684 95834

48926 15694 33819 34688 50792 54209 72614 60401 44921 88940
60054 27323 71033 78568 95847 75145 98441 89566 33731 14579
53156 01053 37193 23479 04123 90368 07739 30599 84895 82857
16831 02466 65372 82558 27435 11657 97355 78109 47336 86840
08031 92384 73511 69964 36762 81855 30627 68939 12661 36622
34526 15406 02557 36696 38449 28599 74812 53075 06993 37186
68143 16839 30417 29642 76586 39360 21747 64007 63149 32846
19281 60709 78080 88826 94352 28703 79873 97049 64256 35434
58907 69218 36947 22558 35288 34741 12389 86649 15092 73179
70585 95367 60365 23094 13580 45217 42917 11004 45701 45845
32703 36872 82489 74395 41435 58457 65744 50653 74303 81977
17836 50397 00555 85220 15155 40249 76019 72604 94457 92410
09455 94956 41222 60780 03013 76805 98692 02277

XPA2

11409/12209/13409 kHz, 0700/0720/0740 UTC

11409/12209/13409 kHz, 01-04/03-04, 0700/0720/0740 UTC

09042 00152 43620 65963 70069 38319 62361 00692 60797 09294
96561 37023 52810 19940 86251 11301 29485 03454 97847 56161
99720 87412 13228 61301 87985 98843 51037 28400 14248 30486
55277 72278 70784 13707 08188 47995 98330 45449 37417 66156
92625 60759 05366 58234 69245 86540 24534 24666 31865 47033
46043 01403 63689 92549 67880 39185 13103 11737 96016 81387
20786 28060 03780 47742 33213 05568 87194 12140 23527 34189
77431 31752 59782 63101 05694 00229 33943 15223 68300 18123
93424 12319 66361 34751 13934 31214 03663 89013 97923 64870
28118 67314 16869 47104 92455 33931 51625 20745 18353 96796
00941 18580 34972 78451 56500 24133 05663 54381 61904 43391
09856 58247 01145 26130 27548 38010 24035 17985 38246 34399
32972 08785 95286 15089 33893 62868 00705 69507 64188 60829
53968 87691 48478 88236 34293 80570 85712 77773 43293 79934
90849 91983 80524 42205 57376 23741 51705 36327 69502 53895
05453 47870 55087 37765 47347

11409/12209/13409 kHz, 08-04/10-04/15-04/17-04, 0700/0720/0740 UTC

00325 00244 54772 74384 20029 60289 38382 41069 24304 92374
78223 74385 69408 74299 37417 44039 18501 68969 78633 83343
17423 62853 19766 54724 79806 27625 62384 19080 00571 34025
83281 87899 05773 71704 67797 96877 52908 77426 80833 32024
50189 93102 76827 85857 98960 84195 20588 90541 38711 72589
11366 07268 00809 73580 04245 82545 93974 73504 42855 80633
23235 18880 10258 87457 37215 53301 09511 95327 01595 58280
96493 02932 49988 28495 78209 16730 96368 30450 76524 39799
75477 96287 11215 78029 65321 79862 19944 25190 02587 70895
22161 72323 16126 73022 70408 12892 09498 34045 63121 95973
31411 88745 75307 07841 90479 46344 74714 14491 94562 16079
20305 39662 06198 71741 95234 34293 69016 91639 15266 78165
01222 98362 75687 66524 00099 52123 65645 88005 29178 20984
14524 36966 07002 21758 52092 87846 41879 11793 34499 29814
38110 53007 59272 51135 44989 66713 01700 15157 23518 64546
50787 18716 65307 37307 56137 19360 52058 04465 87848 97039
51423 28899 01710 77382 78542 14563 23614 36732 93624 51836
10541 24041 86851 88281 98024 43366 66609 28064 71479 41486
39941 84467 26173 43564 46078 72570 32661 28849 34670 15400
15966 75394 28228 35367 95896 95279 64407 62334 31662 53149
58073 49948 38201 71243 39587 94257 10598 28500 01462 05502
27469 67655 56848 89820 42907 37208 83318 40111 55675 62911
84532 92627 97889 35564 42925 42851 36072 86245 85929 49381
49251 11855 56025 93717 75003 42576 56369 37691 06204 46768
55368 20052 85589 89065 45889 91719 52253

11409/12209/13409 kHz, 24-04/29-04, 0700/0720/0740 UTC

06362 00301 04387 43702 49036 32700 59517 75102 00978 75164
30030 44482 47944 25269 73203 56025 04438 13867 10295 28738
02679 69369 72913 63468 20837 70142 52024 75557 41724 11091
53064 24501 26997 97459 41810 04188 62972 37048 86139 61506
44197 50342 79976 20988 78951 73349 77071 17916 04999 12220
46347 16821 63676 69413 69230 18333 31542 61559 58126 17415
39666 04909 89851 62600 31314 74560 60533 23722 73973 50653
64916 95463 83341 13395 03892 35868 10293 36382 65099 01612
50753 37997 14849 76104 72464 95218 87153 70144 21947 16115
90286 58945 78221 83401 15507 33426 33305 30075 99409 78661
66425 52487 65405 21049 36554 55254 73896 20417 46919 59546
28932 55009 07036 93050 96727 18968 13520 45622 86017 91829
54234 12251 23871 58756 68011 73935 94624 77469 83823 98702
32138 03831 31840 80918 78474 90218 61537 01479 26855 48116
42192 11863 88573 80491 64430 19801 32374 01067 45116 17192
80767 71399 66534 75801 64518 89400 92875 25675 59455 99746
25276 94409 65170 46211 43590 39280 04725 17996 65681 92727
91516 29865 74291 95481 42733 15462 37276 61488 38274 67781
47365 69815 16187 15766 97440 83978 04528 05975 47687 52555
04827 26929 15330 66774 39616 90657 23957 13814 78920 83668
43647 40083 20003 81931 96249 81475 36944 61994 56781 29905
35710 45057 48300 29508 69906 29389 64185 07707 55305 77731
55724 60791 32275 41067 03460 08605 96238 06927 53915 71720
86270 66561 93693 69703 75653 73560 60813 56188 64012 86290
32329 08599 89518 14728 90146 81941 62988 48585 28341 77299
33763 01916 53424 63204 70849 44778 27911 35582 75806 55702
56336 39985 72907 26306 09753 25645 47096 24307 96837 44686
07283 32280 47435 95656 16998 05781 10923 03339 03626 49263
87672 68643 46563 78019 83294 32977 64576 14905 04761 18593
32399 86153 92263 52340 83356 11615 11659 88594 23062 75694
57088 57741 95481 27775

15881/14481/13381 kHz, 1600/1620/1640 UTC

15881/14481/13381 kHz, 01-04, 1600/1620/1640 UTC

07561 00001 00000 34265

15881/14481/13381 kHz, 06-04, 1500/1520/1540 UTC

09781 00001 00000 35271

15881/14481/13381 kHz, 08-04/13-04, 1500/1520/1540 UTC

00166 00263 98142 41814 31106 62602 09165 65460 22263 45226
85626 60852 19488 66576 62563 45683 02021 74982 20294 07993
64831 24372 12045 92670 47206 54636 88799 20963 85761 35965
65184 88222 96313 84851 16258 15962 96292 17082 27062 05699
43936 19656 96795 96403 45894 60452 00010 23803 94065 63496
08024 38558 81616 05787 12400 94364 07676 52624 11784 74153
58119 68312 92671 81389 10583 87362 12980 36000 11810 74832
03779 49776 20465 84724 05745 14971 08271 57956 33256 93845
17929 91682 40935 71055 06110 14979 92500 98108 98926 41622
32540 43342 39564 44756 28363 34000 13714 61243 87015 27111
84318 55719 59013 02741 19574 62710 57759 45552 29970 01322
07600 77278 46808 32091 77794 52215 78509 51929 74061 85992
57457 79534 83465 44677 95737 13164 76168 53619 78318 64448
18868 72042 23489 44851 06750 47260 03095 82171 76433 45229
00462 62228 83844 61981 06807 40885 11352 83426 37402 01664
92961 30411 18825 88976 17853 52358 53334 96844 39280 69890
87325 60635 34324 11630 85663 57697 85119 13434 23299 71408
37617 78974 26303 64656 82900 13426 71667 12824 00126 89879
53657 82156 94583 60523 45107 03829 61634 02248 45847 74909
77379 51358 81421 29613 05195 78836 35772 72107 58487 07749

32164 71211 77742 61386 38148 16762 21513 78029 51793 97089
66098 03030 82591 84480 59425 66633 62526 34315 55995 82315
52806 78394 56822 35781 37338 57185 21727 97471 30388 08704
36506 37946 02635 24361 22104 39623 69182 87155 18742 88899
38379 74358 42512 11648 57636 35576 89103 60090 73900 65624
60001 26955 17445 91202 91968 57984 02460 82768 73609 95646
93768 41133 24816 29612 51236 23166

15881/14481/13381 kHz, 15-04, 1500/1520/1540 UTC

04166 00001 00000 34662

15881/14481/13381 kHz, 20-04, 1500/1520/1540 UTC

06750 00001 00000 34663

15881/14481/13381 kHz, 22-04/27-04, 1500/1520/1540 UTC

00228 00240 21191 16948 63603 40665 25427 90478 14670 54915
89754 64336 06512 90875 93667 69881 89111 04047 86765 27840
46901 87781 48764 99759 44842 27895 20507 34795 52401 56985
89664 64200 19109 09914 19407 84824 81784 57474 15275 24105
68355 99955 83238 21971 43975 61687 93342 47941 21583 30701
40426 43131 73826 38728 80609 39623 56346 23766 37804 69029
44705 18202 89753 23651 96111 48078 62496 03423 10389 16355
73771 04791 34531 30253 50912 39643 48356 91496 65376 11151
47474 26089 14569 55785 60363 27728 50922 67304 13290 75687
99731 91895 43782 48718 51794 30305 44153 45884 46546 50094
11380 27561 10385 01831 55034 31703 09568 93454 76692 59199
43907 81091 86745 59172 09634 25474 21793 78364 12840 50739
48592 65307 79833 53309 32612 12355 34105 37364 75348 54825
23609 85490 45854 50439 32235 06714 19150 92701 26467 97662
78550 89216 94451 99438 96979 36222 11603 11466 43547 91891
95497 81956 03953 88232 33544 08233 03327 49409 49119 69667
47671 41588 21103 74985 03603 80411 88273 10244 14714 62199
98933 05134 34365 38197 55237 20393 99346 51290 56453 85385
51493 31562 79834 04607 21528 82566 72081 51326 95187 25213
80849 02695 27369 19250 31762 17501 29401 32939 52324 45186
47748 79498 59545 49740 15448 48228 68785 09975 85994 06607
07031 16815 66541 46296 16434 55774 49192 61180 41775 55143
44658 81103 65591 11324 65849 49130 85207 89129 44218 10538
97600 88768 35245 70040 80719 65807 49072 29173 77008 97591
04804 26713 40563

15881/14481/13381 kHz, 29-04, 1500/1520/1540 UTC

04477 00001 00000 36663

18038/17474/16286 kHz, 0910/0930/0950 UTC

18038/17474/16286 kHz, 01-04, 0910/0930/0950 UTC

02307 00001 00000 36252

18038/17474/16286 kHz, 03-04, 0910/0930/0950 UTC

05723 00001 00000 36257

18038/17474/16286 kHz, 08-04/10-04/15-04/17-04, 0910/0930/0950 UTC

00441 00077 28300 27903 30235 32853 27733 86834 88307 85560
65032 84501 68312 65387 54879 66488 87778 70018 80666 78891
00651 10395 40554 88587 88577 26801 38008 37443 65171 55026
22515 36591 85405 12838 28037 01591 85683 87267 28653 91890
48601 67384 86165 74882 69171 65444 91887 00647 80033 26202
66342 45447 86694 91950 26746 08353 09241 32605 52541 02615
79126 78675 50597 78265 04406 36118 23663 99830 76967 87429
53002 95783 79288 89057 90008 86953 11918 71244 99052 53253

18038/17474/16286 kHz, 24-04, 0910/0930/0950 UTC

06384 00001 00000 34666

18038/17474/16286 kHz, 29-04, 0910/0930/0950 UTC

00928 00099 09180 94059 56739 24842 88576 74052 20842 67551
92425 18197 64280 02450 30693 46575 33932 83785 92024 71758
69331 96779 96195 37327 16475 17110 29448 42668 47567 73915
55025 27401 71809 24268 91506 42369 32454 00822 15899 81102
14677 87940 78193 23879 18857 98380 62858 15213 10375 75507
00523 57945 32626 18883 62636 22252 35827 73575 24047 21410
55532 55009 68600 46824 16685 88821 12222 95078 39262 07333
26568 33225 96328 73742 06885 49604 06089 46657 00243 41516
46416 65877 32884 98397 55222 22785 55791 45860 75482 24525
13904 32573 84998 08700 47765 26628 43091 42082 49312 36795
50969 05754

10249/11449/12149 kHz, 0500/0520/0540 UTC

10249/11449/12149 kHz, 02-04, 0500/0520/0540 UTC

08850 00001 00000 35265

10249/11449/12149 kHz, 04-04, 0500/0520/0540 UTC

08656 00001 00000 37265

10249/11449/12149 kHz, 09-04/11-04, 0500/0520/0540 UTC

02870 00134 20211 30791 48904 21101 78237 43584 46955 35246
26201 48646 73998 88332 28110 01648 14283 72674 22496 94068
32110 35894 59108 51254 89675 38408 18838 38634 98189 95229
01138 89858 90835 96954 79362 56531 86493 56418 31869 64150
01804 01368 06396 71813 85232 20744 44785 47549 36202 42977
04852 62154 91119 85901 16603 89413 74821 16899 04077 75886
09800 85975 73404 87884 11713 11493 64544 56477 10338 38893
80884 29611 68347 38740 74642 11555 80007 54626 30570 94696
27741 24615 89404 07646 12338 12770 78455 64851 09931 50428
08084 75468 23483 21395 14771 11982 62184 50624 33487 47843
42202 31973 43302 32717 79785 37672 35290 24405 50559 81366
37863 12732 46563 07377 84596 47070 96301 21866 80755 74191
51349 48517 07988 81515 16218 83952 93750 61339 17017 22372
30727 30260 30624 44508 12602 41283 42373

10249/11449/12149 kHz, 16-04, 0500/0520/0540 UTC

01141 00001 00000 32255

10249/11449/12149 kHz, 18-04, 0500/0520/0540 UTC

06182 00001 00000 32666

10249/11449/12149 kHz, 22-04/25-04, 0500/0520/0540 UTC

05651 00127 77662 15361 45434 03528 15754 30505 72285 50133
23706 22752 77438 62696 07579 04778 53536 97051 64495 08059
06969 48326 33160 78209 96266 92136 79801 25355 63559 33750
60911 32205 50819 21883 17267 07137 63432 18040 82596 97515
94052 50004 45806 29011 18196 35904 26744 74513 63022 50096
28785 18799 15216 12352 29319 34111 98681 24861 53099 62977
46845 31159 46951 62428 16829 52487 03729 12678 42884 32192
48855 53813 30013 66930 47515 88340 50787 83769 14700 49759
16072 79352 19366 34605 26874 90005 17864 38100 73170 35583
81386 52548 39646 21758 45519 24565 53007 78335 92133 29606
29405 61999 35020 18987 04088 25836 68712 92975 88775 74136
69358 97118 21293 45547 87992 67509 85400 34921 42504 74271
51149 61062 20561 11571 36829 78554 31044 93999 21409 56110

10249/11449/12149 kHz, 30-04, 0500/0520/0540 UTC

03819 00001 00000 41654

16341/14841/13941 kHz, 1100/1120/1140 UTC

16341/14841/13941 kHz, 02-04/05-04, 1100/1120/1140 UTC

00250 00089 23932 17745 80322 86756 30490 87885 74598 12020
54866 49419 85332 73170 43011 01554 23643 45157 98573 69917
00273 61955 77135 49835 56119 27127 25194 04941 74223 76286
63635 34832 57602 62714 89121 73072 50994 64623 34108 26263
66961 65753 01457 55693 33154 43954 56353 97260 15527 35415
17970 16159 04187 59580 23255 69005 90693 48783 79711 28444
68325 28380 12142 21793 01021 50351 87473 92244 15064 64854
50075 33622 54430 10639 67855 49478 54253 36051 02340 49413
07438 84915 83446 68894 66734 18930 60041 47928 45570 37848
21773 35636

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

01528 00001 00000 37653

16341/14841/13941 kHz, 12-04, 1100/1120/1140 UTC

03410 00001 00000 33254

16341/14841/13941 kHz, 16-04/19-04, 1100/1120/1140 UTC

00291 00024 11633 69641 88362 13732 32836 93913 83178 49263
33266 06762 97321 22560 08324 03868 81782 91420 54616 80973
55268 73735 35909 17284 21538 06324 61504

16341/14841/13941 kHz, 26-04, 1100/1120/1140 UTC

00455 00078 07310 86729 87577 53030 36194 27147 85823 14335
44752 24553 15739 61231 02301 88816 85995 00462 10517 87188
54848 69121 25058 83262 91418 13424 29650 71130 15102 47311
88023 19989 77140 58909 32919 24767 91684 47213 40887 92283
88202 66704 04789 43367 64684 97855 49028 70483 01486 98990
17747 72364 76157 11408 46108 15214 11709 15283 13014 71196
31810 12185 68267 01077 50744 95323 68008 29048 78535 56483
21343 71473 50080 61753 27847 15661 71708 20142 78898 49999
32751

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

08151 00001 00000 22255

15819/14919/13919 kHz, 1600/1620/1640 UTC

15819/14919/13919 kHz, 02-04, 1600/1620/1640 UTC

02116 00001 00000 34653

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

06502 00001 00000 34656

15819/14919/13919 kHz, 09-04/11-04, 1600/1620/1640 UTC

00131 00155 55719 43837 20786 69883 54197 62307 64443 87022
32285 34888 99202 84980 69487 12404 35974 43559 07945 86245
33775 66694 38146 34382 27646 61413 42557 39132 36422 55477
64101 47559 16178 14121 99959 33086 37324 41483 83517 58820
14943 94091 62432 06511 85051 86275 58049 14754 53917 80320
85064 95789 44592 99178 69802 15965 69004 80709 06899 18941
97212 51177 09089 77494 47924 52957 37577 91650 60354 00860
38531 58418 37801 13527 31248 86035 34693 75065 07623 56623
22081 77325 84939 29169 92364 99000 14887 41729 05917 17547
69307 53428 27107 69605 52584 40283 24014 24728 33181 92849
79143 86527 01755 98419 29759 24996 04324 26432 71243 53652
32301 58065 28254 39288 70067 48545 15383 24739 04188 34544
49348 90048 65946 94840 54973 62187 71706 76618 57146 50081
51925 84472 51618 92769 77872 54303 45569 12170 62981 96143

40177 29234 11896 01623 48457 95448 28789 18356 70193 47228
29219 02026 86170 06792 98709 85456 34370 67366

15819/14919/13919 kHz, 16-04, 1600/1620/1640 UTC

08986 00001 00000 40670

15819/14919/13919 kHz, 18-04, 1600/1620/1640 UTC

04156 00001 00000 34661

15819/14919/13919 kHz, 25-04, 1600/1620/1640 UTC

01395 00212 73704 58688 59925 42289 44788 02601 27943 77744
45366 62241 68754 09048 77126 93336 96179 21796 23117 85958
79479 50230 71844 44513 66805 92711 39085 18331 41038 77845
70011 42607 05079 05825 57641 79169 97421 27043 61859 36721
37347 82215 25183 07645 22925 33395 32924 10712 25096 76226
63576 17149 78635 77801 70855 21500 20063 33832 75096 45061
53512 62633 28595 03062 26961 07789 88922 22294 92132 80340
60190 67738 20341 03620 82636 07211 43435 45744 09856 32001
31702 67658 79220 28244 76863 74906 51814 55842 71651 10516
80229 86208 38693 33646 31291 44240 79166 56100 82401 19371
89508 36787 91163 22597 00647 82515 45090 08966 67491 97493
79849 00957 10296 56673 82625 10410 52093 98296 81091 31684
06633 84602 81847 14619 35838 15026 24706 01922 40458 96658
49581 57046 42761 90447 36474 40755 58718 72126 95634 74827
16169 41623 79135 45642 45820 58636 46831 43179 73864 49360
03907 26799 75549 99123 93699 93335 72563 94704 84082 65480
34538 44059 58063 76389 16223 39933 06134 22331 90644 21587
78952 72730 81143 65621 07158 12661 78296 46526 07797 82568
77818 33493 52663 97675 79038 65810 62390 05459 37723 90166
07688 57752 01444 01121 38131 08698 20886 02253 91223 32264
20065 81683 90944 72259 61028 73434 70113 39310 80335 96252
98360 71970 71966 08809 07357

15819/14919/13919 kHz, 30-04, 1600/1620/1640 UTC

09591 00001 00000 34272

17426/16326/14926 kHz, 1100/1120/1140 UTC

17426/16326/14926 kHz, 03-04/04-04/10-04/11-04, 1100/1120/1140 UTC

05576 00110 22883 21570 72618 75097 24578 91567 11160 44607
24677 07348 14226 32609 30653 22342 91144 19494 16809 90869
44263 04719 39132 52548 31895 28823 71059 31985 46010 09515
65155 04132 92757 86908 19995 87045 93027 68005 95128 84296
57468 16100 15965 91610 41264 32407 31921 03891 33978 62995
95299 63947 66873 11714 63581 42296 50625 89604 50779 93800
12089 06628 52358 51160 43441 16374 96908 10373 12498 56211
30407 76920 65513 04545 27641 18922 43593 20434 99648 67518
76009 10737 55345 27463 74921 06688 58241 73074 05447 55451
37648 33812 26596 28246 61992 41482 25275 30462 80805 35576
58896 84735 91138 94747 53862 82346 24174 37008 29027 06777
25134 56130 11201

17426/16326/14926 kHz, 17-04/18-04, 1100/1120/1140 UTC

06232 00084 94895 30057 16413 57236 17360 21434 23946 89694
61129 54238 46193 93099 81259 03520 76079 95032 89098 23214
91794 95104 88558 65432 89034 47705 77692 91171 65405 82217
70361 20991 80865 97022 02697 52324 91589 89933 16748 74448
42867 77369 58407 70863 73139 40763 98430 92243 21662 66536
33929 12638 50770 98425 85697 81914 12827 06675 87892 50633
61704 97362 43350 17842 23907 02145 08370 79448 85316 89533
20856 55261 86885 79169 45743 14493 77926 58820 36459 39769
36528 76836 02863 29906 83789 91635 02550

17426/16326/14926 kHz, 24-04, 1100/1120/1140 UTC

03099 00001 00000 35664

17426/16326/14926 kHz, 25-04, 1100/1120/1140 UTC

07681 00001 00000 34667

15872/14972/13872 kHz, 1800/1820/1840 UTC

15872/14972/13872 kHz, 03-04/05-04, 1800/1820/1840 UTC

00362 00111 45882 22157 58021 13541 42652 48700 44611 85043
44441 43944 07757 96825 57737 98380 81742 64997 96554 20420
23293 34483 01641 00580 44549 61972 00280 50506 96212 99069
07207 32350 99019 69622 08581 43626 25723 47531 63667 11097
88345 29964 34299 89887 14542 61925 09554 43132 48998 19954
40550 88706 49848 47393 23807 05558 69917 05185 96685 16023
47792 99696 35218 34804 50935 08593 60652 25698 31114 22189
03091 14296 70642 27377 82817 45629 60567 85605 36028 52405
37932 80092 39502 62338 10215 49588 03573 86307 45576 71022
14831 18397 73998 04605 32584 78765 96482 75524 07354 43546
44590 48414 59662 12372 29186 80730 67080 87466 53417 71483
52836 40390 01700 30371

15872/14972/13872 kHz, 10-04/12-04, 1800/1820/1840 UTC

00270 00235 27635 10010 00902 37254 95621 11931 68544 67913
01110 70412 53860 13939 10485 07917 15210 12862 85989 35641
63831 54538 21858 15790 98823 15481 04293 92270 15980 99583
01523 02760 48745 08384 77087 38349 39661 49778 07696 25971
28926 71758 67529 54914 62359 68333 22990 98115 92762 50380
64776 21504 10934 99275 52163 31303 07888 54665 63378 17916
97196 44678 93558 45238 98786 86481 81772 42090 45831 66151
06408 74907 78622 77370 86397 26445 92469 81125 87515 29895
75338 58440 02183 11604 23867 49627 70285 24033 45499 24598
24309 25522 22709 74052 20472 96398 46942 06894 00688 52543
63696 08089 86947 01415 85438 28891 48862 48918 28626 74514
53691 59439 16774 38791 73568 88047 97766 84453 90929 14897
22039 57560 63985 98913 83617 75556 81707 36252 44933 95593
64744 47862 47636 17039 01541 87714 28942 54537 04864 80911
91110 82864 87113 39896 57034 70702 72574 64976 49004 23861
19616 62647 31603 10100 83823 09243 67597 86243 32726 11519
44796 80817 32283 76385 36989 62396 84631 17735 23225 35755
50929 35337 20916 34698 23164 30054 77730 87864 21328 68570
57210 90351 45570 47668 35467 13172 35316 45970 39318 25968
66255 24303 46827 52273 21382 94106 84727 48026 93282 94955
65833 67213 60596 04628 35269 35431 54082 81893 84517 95487
33773 81489 39654 98684 38657 64432 30657 86944 83205 17595
27080 15381 06630 33644 52488 42716 99986 52045 54042 87174
09253 59522 03418 04504 87467 83960 43414 25727

15872/14972/13872 kHz, 17-04/19-04, 1800/1820/1840 UTC

00301 00175 56812 29443 17846 59792 26319 03315 87695 95869
30265 26912 97812 51750 72569 23023 74101 45218 67865 80001
34295 17906 25887 06951 97260 81026 29762 36014 97638 30517
42981 41155 60071 06321 00820 28543 25240 52180 55112 18608
05773 82380 16464 33932 53788 80246 26008 50575 58017 74864
67519 32007 72704 44840 45867 46603 20022 14577 95578 56854
86481 32306 68275 47739 97936 89244 88190 12212 58438 94004
03618 31761 19628 50002 27963 83141 66833 81676 65682 25387
51973 24002 03058 19545 98946 11248 51678 31667 53907 61191
57283 22730 29024 01675 72810 49731 97442 26052 36116 22478
30944 59660 54526 46435 15056 84005 54752 10171 47942 35813
94386 18782 14899 50097 76530 92872 20751 82001 76286 61648
57106 98407 30792 82711 32786 21419 43272 75672 06789 96691
98476 62111 89777 31517 28180 72844 97961 89515 00492 71823

16436 07109 98326 04856 26226 44878 35002 17429 57814 87694
46444 37840 45425 71410 68662 95292 67774 44117 12343 89767
56943 66156 19811 64287 57929 57924 64311 47257 64812 82023
32694 00399 45320 93244 63250 12524 90896 62761

15872/14972/13872 kHz, 24-04/26-04, 1800/1820/1840 UTC

00452 00140 06274 63629 76868 23749 46305 38899 96138 85514
62099 21970 73561 01949 84351 77304 02528 05537 72545 47583
19266 77005 57332 16374 03487 84008 86209 56888 98912 78766
62809 58903 60697 85470 34551 37382 96647 97567 67942 94524
06683 99812 68803 20755 57124 03463 47274 74512 01258 94155
51516 31647 19415 88306 71644 76970 20422 31397 28263 81143
14712 67012 89078 57839 91877 84548 26604 40153 64294 57735
64818 47005 76973 05195 24429 47802 93583 21578 00255 69535
57993 36472 50918 29809 20322 56148 21047 80504 14808 31961
48374 23959 47440 19380 42983 75703 29599 41917 74332 99001
37103 86498 60755 13596 00519 38502 89937 87733 41216 57173
38779 52578 97987 71980 58795 02711 46074 38649 97472 20206
70560 78813 76799 85322 83246 56936 37590 75333 71510 52879
47968 67077 93156 16365 51130 64069 24899 64590 34631 03322
49171 74052 42125

15859/14659/13459 kHz, 0910/0930/0950 UTC

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

01118 00001 00000 35652

15859/14659/13459 kHz, 06-04, 0910/0930/0950 UTC

04544 00001 00000 35660

15859/14659/13459 kHz, 11-04, 0910/0930/0950 UTC

08376 00001 00000 35667

15859/14659/13459 kHz, 13-04, 0910/0930/0950 UTC

05459 00001 00000 37662

15859/14659/13459 kHz, 18-04/20-04, 0910/0930/0950 UTC

05698 00058 92474 86090 93304 50479 77271 77344 47723 74870
47585 98501 74512 50964 61108 53442 96258 84162 75622 62915
06634 12765 72707 48625 95133 53759 08582 19191 94754 52192
19200 34400 97754 97143 33279 08504 36056 61073 19069 96483
33350 95243 67627 71505 53781 86916 93939 03793 04537 95213
20966 36645 82119 05462 55507 00813 05626 35519 70815 10005
62664

15859/14659/13459 kHz, 25-04/27-04, 0910/0930/0950 UTC

00273 00066 26601 99130 35306 56347 73238 05714 42462 09388
13353 46286 42921 39411 45518 19186 26912 06914 44577 87715
49308 43013 32491 65405 65957 91832 32877 90446 22111 49926
01805 91349 80855 82391 89715 31838 32684 57687 54053 09896
76654 31659 29177 96035 84319 08350 51885 38393 73574 00890
41241 88079 85266 70154 05522 01228 67524 40416 24305 84553
61356 73249 71323 82452 69614 61691 94351 48966 03327

13881/14881/16281 kHz, 0800/0820/0840 UTC

13881/14881/16281 kHz, 05-04, 0800/0820/0840 UTC

08298 00001 00000 36271

13881/14881/16281 kHz, 07-04, 0800/0820/0840 UTC

04747 00001 00000 30260

13881/14881/16281 kHz, 12-04/14-04, 0800/0820/0840 UTC

01664 00199 65435 90967 01570 65466 40855 58792 83195 03109
36229 74566 47849 87781 70044 00851 98395 00815 29688 54544
12502 16100 14301 51963 60947 33005 13930 68628 60234 18667
53107 09449 24788 12303 84014 85000 86680 92320 06331 74307
36110 08897 98923 84886 69831 27767 78509 25793 60781 42718
16295 45575 26307 75698 25328 80313 26250 07988 97468 18710
49130 49946 22908 13312 12040 46333 62700 51264 84399 53370
52512 36470 09981 41282 24878 92961 04273 85095 43456 84844
76066 66163 67242 67626 29884 09139 92234 42107 65405 72756
32403 13675 37455 98537 71810 96546 41847 98488 08093 28597
09202 96861 05692 46235 97779 92427 97319 46870 94464 56685
54184 27459 12826 57242 97306 49896 58736 82998 37629 07790
78209 43467 01921 49216 84360 79104 91875 90516 55365 57607
60782 88300 36120 40438 87610 15209 06731 23238 57027 78480
26591 88864 96703 82621 94470 63295 58611 07647 19470 90518
74435 39981 35129 51956 64991 05677 29856 93879 14444 21182
89960 20358 74312 63089 19642 51589 11707 16973 43698 23130
65171 68962 60916 45700 00675 29737 86954 60711 46298 37484
22979 66723 49183 09833 83866 69526 42784 83589 15026 16671
87403 36770 70064 82388 96949 47218 78558 04228 62237 74967
59249 34656

13881/14881/16281 kHz, 19-04, 0800/0820/0840 UTC

08680 00000 00000 33271

13881/14881/16281 kHz, 21-04, 0800/0820/0840 UTC

02107 00001 00000 35252

13881/14881/16281 kHz, 26-04/28-04, 0800/0820/0840 UTC

00118 00132 30078 90025 99120 94523 02576 13555 32630 78445
58281 19823 51517 06618 28244 99731 29309 07838 11320 98513
48292 24982 77058 57988 00297 81025 22488 34398 60642 22649
24457 59513 38228 87308 03141 46550 45699 16944 29528 45929
26299 14618 84027 55318 95322 04285 18261 88383 20812 20551
08468 12994 28014 80497 89409 35616 18015 54126 05507 83152
12286 49411 34911 52351 19064 17480 27935 05319 56864 91974
63898 05118 52491 71550 32340 81047 39833 63504 53362 68649
36078 14652 91044 20096 75914 86880 29585 53168 77539 84460
59392 86523 43965 19966 69339 40025 72428 53570 38029 69326
30641 01249 50011 69343 51492 33720 90227 69240 51517 24659
04092 41876 25721 96884 83501 62873 91155 00176 38477 75328
18903 12022 52567 57912 38609 63275 95335 31938 54731 57526
67000 13231 17999 93744 12402

14464/12217/10897 kHz, 1600/1620/1640 UTC

14464/12217/10897 kHz, 15-04, 1600/1620/1640 UTC

00368 00233 77510 61144 09871 73534 58295 44992 02687 00168
59700 24054 81502 93375 41610 89424 69125 93217 05572 92767
11061 51165 29569 03623 49070 78036 35376 57148 54695 44666
04192 54438 03788 65885 44760 11737 40327 48254 94827 96328
39587 39504 03711 52868 66659 67355 76109 44568 03157 35808
86820 86458 35244 32166 53917 44879 83918 73887 12073 31834
38158 01146 90295 58019 95975 05261 20265 15617 48615 29872
49097 20870 98389 09242 53179 71556 47453 76700 36963 81713
01927 90806 53991 18887 57845 17732 19194 71620 11967 99880
27818 66438 36180 62992 58170 38441 49207 45691 56892 61397
47089 60492 95952 73283 86709 65949 88068 26001 78985 82359
97425 07217 36924 30359 29907 47350 47154 71408 00173 78242
86065 48644 03649 48733 02054 82657 84689 35396 51070 14738
22349 01761 19807 75564 34623 41433 94852 80707 32176 91895

29662 93192 92634 29606 02455 20600 29514 05820 33085 10819
91286 77797 45517 78648 75331 98444 56842 47219 71228 04052
81258 52672 74929 64246 60010 95663 87408 61358 95734 88472
52496 66445 39231 08277 48579 92872 56008 74041 46278 81453
53143 78869 02310 40251 23451 44550 56243 41157 00233 36177
84590 47633 09478 28124 10637 76989 18262 28387 69595 06791
33190 68154 10084 44612 58321 24840 38566 37239 30069 82457
42436 82800 00941 89774 50907 02389 50361 34678 40795 15460
39419 46250 61125 59556 03881 04863 56967 11107 97639 71589
74610 27620 04446 39486 48262 64473

17437/19137/20537 kHz, 0630/0650/0710 UTC

17437/19137/20537 kHz, 30-04, 0630/0650/0710 UTC

Null message

Test / training transmissions

12221 kHz, 16-04, 0800 UTC 06177 00001 00000 10140
13362 kHz, 16-04, 0810 UTC 06177 00001 00000 10140
13902 kHz, 16-04, 0820 UTC 06177 00001 00000 10140 (spur on 13955 kHz)
14418 kHz, 16-04, 0830 UTC 06177 00001 00000 10140
14918 kHz, 16-04, 0840 UTC 06177 00001 00000 10140
16118 kHz, 16-04, 0850 UTC 06177 00001 00000 10140 (spur on 16065 kHz)

16341 kHz, 16-04, 1310 UTC Too weak to copy

15881 kHz, 16-04, 1320 UTC Too weak to copy

13941 kHz, 16-04, 1330 UTC Too weak to copy

12211 kHz, 16-04, 1330 UTC Under radar but fair copy

All transmissions had the same duration. Two of them transmitted at the same time.

00467 00391 95157 34172 90832 17576 16181 91241 44798 28449
08970 26809 75323 63571 58887 17094 82495 84402 08412 08576
13410 01281 87115 04149 82355 31678 69268 89409 14570 64660
12803 59041 55670 81621 47528 27648 14543 18399 08721 90884
70356 09655 25295 76176 36763 47138 75942 35913 08232 24569
67372 35967 64768 46989 52307 55049 89335 91008 51816 59153
48306 26770 76671 80137 15646 49927 71138 93701 16043 31238
02551 64096 75681 17527 38218 03754 75985 10939 67384 35217
55734 33355 81177 89999 97286 76834 94271 08680 29314 92478
38312 23534 66582 49566 42577 43586 32983 45156 60529 86835
75999 82239 19870 76992 22018 03276 60285 47241 08770 48552
79063 78396 2_623 16598 03418 14951 45591 86670 82849 38810
55654 62457 64387 23563 92925 79016 97512 26114 74948 94630
70_0 30828 50409 80548 59216 73494 13484 04185 67981 94010
16549 47030 99908 80760 13415 59914 99909 49983 46147 27625
97993 46311 62306 21718 31180 13541 17852 96305 84065 43000
05762 34170 72291 14139 77780 48235 27987 43074 57380 29923
01467 41406 18689 88837 22261 08624 62547 83625 10148 33011
79105 47529 79965 47322 96635 24458 68520 28690 49367 45675
55641 17177 20119 24980 88247 82377 74737 85769 02979 65178
31927 56835 92601 16223 26158 56587 27622 73467 99456 22556
50993 34226 86157 51054 63894 58232 54204 24969 17502 53322
79713 99295 93705 11705 74281 84289 21287 93707 00590 39882
33885 76776 80645 44968 01083 22270 54926 63741 21163 40048
96835 95051 29233 26811 94680 21415 31019 69063 61085 30015
28173 49768 68267 49656 85464 32631 63128 80895 41941 41868
35300 33913 72877 59573 88669 74215 53579 41188 49970 41623
03306 90461 03805 77452 56485 84660 70061 66893 17024 52865
53269 52222 32622 70573 11708 84116 08508 30989 59503 68451
59140 74029 21800 79294 04747 62921 22174 69659 38140 20464
67835 89829 19093 19461 26709 37711 45963 90813 93169 00803
62568 96_4 6387_ 89074 88597 83077 01291 02303 47864 04553

65707 22590 81684 81518 82482 29275 68660 24509 72705 93563
62486 00402 28753 96558 85029 63439 33129 13160 43_64 73__6
38152 17693 37818 58699 05882 62905 10157 32724 90695 21669
61630 19870 21794 33587 54756 45245 08145 37573 36978 97432
69049 21453 18108 99605 38315 62166 67480 67312 04044 25158
49948 88129 58437 73867 66399 48013 84771 22984 75635 19576
19117 35935 33813 51036 31932 42615 78606 95165 41801 39784
55294 95554 76181 25625

14464/13564/12217/11561/10897/10329 kHz, 17-04, 1600/1610/1620/1630/1640/1650 UTC. (1610z spur on 13617 kHz)

00342 00357 15040 18568 23624 91111 50860 89285 02601 64000
74285 19809 29028 52398 10673 79480 52007 78487 39797 60604
05635 69170 00729 08170 90311 55792 60140 33437 04317 49626
43127 73996 47062 98873 90049 68303 83558 13461 12857 57635
77599 31071 44014 03385 49761 39682 78815 02985 17563 00176
14371 93957 90604 32413 93437 71961 62108 06870 28256 67830
30971 17423 84968 52973 20873 00289 72745 30154 62348 42369
95920 38546 65629 82161 83003 74563 25156 97342 58407 50628
76976 57154 15873 04140 35254 49168 83391 14649 05435 18087
06194 76688 85204 45025 26664 60175 46102 91039 82511 49472
66936 48661 40635 75193 04255 75824 28328 08443 49409 18874
46805 64764 48461 77626 90853 73815 01550 80827 17718 71704
16896 58096 24718 44261 36174 19232 53340 20603 55497 22827
28460 34116 14831 08934 83691 28315 16519 40679 99884 59429
20840 74948 65238 86560 71281 41428 28226 07577 54171 52847
58625 65273 73320 10807 32575 08839 23943 96372 39018 85021
22483 07724 52945 26582 90412 12688 49933 39526 93934 62537
57295 60869 80942 58288 50863 41947 92856 38156 72979 94744
91004 45763 66431 02649 64200 63186 60794 04024 76358 74851
04372 20145 01660 14862 36945 13115 22002 38656 96146 58592
91494 88698 13642 91632 95550 97755 84330 15031 59942 90626
15982 85785 23393 44273 94015 76719 41292 50295 62380 27226
51893 45909 63167 19082 58165 37150 59208 66079 21343 37748
19944 54200 42009 14386 03250 02306 32121 74797 07098 66444
78855 45762 44081 85730 58869 18586 96750 57386 20846 60225
71822 71706 76275 68920 06698 45584 25530 94558 33467 58400
38546 18251 93687 22193 70682 61781 43776 09006 41022 91709
44597 66494 43197 95935 48369 06130 01827 77436 60212 39579
40398 01822 45233 61116 65924 48237 77923 73087 07687 57664
76774 37561 41329 48696 27897 60604 52073 21887 15048 97087
74808 87744 16363 29135 15627 05328 28508 80338 20550 00568
43756 48093 34346 93886 18001 36724 73016 32571 56268 22444
83856 70687 01318 83356 14935 07035 25164 94499 68037 87764
54055 79939 62388 63123 64769 52653 85457 16097 45488 60595
19728 97584 52537 07119 13907 28680 03215 47442 30695 91172
87586 19502 65617 92602 13231 04121 86425 33005 14199 13117

11562/11093/10591/10213/9293 kHz, 17-04, 1810/1820/1830/1840/1850 UTC

00407 00374 87626 41816 87011 64913 77201 33902 11926 61302
77188 14907 41711 68832 48203 41385 49777 04884 72148 34314
937447 1418 51776 89374 59594 90051 96067 37087 67092 66879
10157 18390 63913 26156 93425 18995 77278 38187 14100 11293
90014 16166 46209 31690 76598 42745 13243 67924 28153 51729
60085 24645 41748 08937 76715 67052 17949 98250 82221 96959
68844 40114 66808 45045 51144 58798 50993 15554 75405 29208
64106 11513 90783 60854 44298 77581 35209 20086 12776 16848
76807 28142 08933 15362 06793 85511 76641 54976 49440 26373
01045 79026 55964 17139 42447 49900 49356 01163 80545 17800
91751 97688 92517 98943 87622 48572 33861 80892 64637 99133
31843 97861 85474 65373 20152 40702 31180 51446 38252 65632
82155 96015 66113 49032 28162 85078 55547 73643 18406 94397

28225 34045 39540 94974 25095 79118 35623 09989 27739 58220
51649 95747 90338 50305 94528 03182 93551 90589 96986 01745
18719 97908 62910 14912 35643 95734 31574 43485 70780 02544
93023 60217 62485 70238 70908 97797 58321 90498 40277 41033
05078 21191 23706 80030 13982 86406 05677 15807 54502 24979
91525 64957 76655 16661 75678 30315 71133 24627 59330 29359
47543 92137 39207 25195 65195 91431 33262 20099 79396 96730
44860 03053 50311 55953 96666 97526 74202 82878 00929 49236
90057 15767 88981 45800 11017 28066 83560 45824 94559 40593
26663 33699 31167 10997 93488 12939 81983 98510 14835 22550
53144 85577 36410 57771 80118 88472 14645 20701 19993 78151
56111 88253 23697 10094 39301 31776 03156 93405 14177 37129
07870 87436 25539 38803 70066 11166 71884 39394 62464 83726
15542 75690 68043 78378 96090 04480 79356 31209 65681 22543
13420 62859 25830 16408 84480 38409 09996 21073 71615 61712
09783 88576 84332 77704 14680 65706 60038 97605 87704 68952
16588 75250 58236 36266 62608 80420 20209 45318 14002 34821
52419 71945 27724 91632 23708 45009 61605 09130 54321 31657
01170 50811 67778 00751 73942 26965 91356 90338 63698 30384
44441 81749 43504 96728 05955 38169 04622 89563 53799 04060
18199 64676 07070 36793 09292 37837 60852 92698 53995 69669
04100 50907 43284 56046 67782 65775 07472 57484 62322 35643
89062 29870 81619 83617 90379 70669 28440 30995 85677 85537
40387 72040 55330 50261 13357 36492 43741 30984 91457 36105
66111 98656 36342 94027 26283 93432 36640

10378/11078/11478/12178/13378/13978 kHz, 18-04, 0400/0410/0420/0430/0440/0450 UTC

00778 00228 06996 20978 92018 36038 38831 02284 33798 24501
12956 17017 11065 64637 79553 84007 40174 33967 72192 07053
9_537 31254 09295 04676 79447 71336 76495 30017 82123 15098
34065 22338 28222 30077 26635 41023 45550 84563 68765 46523
80225 08570 26977 10546 16759 78259 21784 38054 28051 35219
07313 82899 65759 81544 44201 44380 01956 02320 41529 2068_
59542 08813 20159 18700 90434 90615 88793 80887 38002 38430
38517 55610 65200 25669 -6827 81966 04277 98748 87915 01188
49552 36331 01965 46904 07785 51115 56579 46676 85975 82254
39066 43229 43033 48083 86980 60412 88409 08277 20110 26142
89465 40895 00052 89520 96700 51702 17699 40090 54716 62233
40103 03207 14404 40341 71128 21100 06847 73254 10915 39269
24035 4-116 94911 55746 994-3 95287 11576 17116 38687 55414
93556 95998 78637 61772 11721 08656 38389 12444 50203 56081
33466 16489 91958 23741 42151 35858 28825 02692 76954 65879
64564 15-55 97361 80840 92106 47348 45983 44304 90055 01413
39125 00582 01402 99301 68675 44103 24568 52630 28619 62471
82710 93301 13050 54832 05803 17546 50157 71169 13595 63604
664-2 09884 40160 72807 90848 78401 98636 97796 65665564372
62672 94084 22387 47790 16955 32883 15087 92656 55065 98047
11289 76193 74072 14482 83167 70162 92103 42528 75036 74559
97189 7481- 30708 26450 34949 29241 60420 28594 08452 90273
45465 26771 82963 64245 99798 88625 72013 74259 37876 72908
35406 00000 00000

00297 00255 16814 89493 9-924 73858 65205 77697 96202 89810
59424 71490 62798 90334 43550 66626 02246 65785 31124 83036
48628 20615 73573 85049 58928 38848 42665 21882 45930 76045
26616 10261 75423 97753 13985 49102 56481 29316 23615 38957
16454 71491 70775 25097 51638 32894 78092 65877 84-80 61882
50099 82332 24441 80398 69026 03922 48523 31764 30564 53076
31192 43322 31767 20157 63193 49162 96066 65044 76349 94446
10144 72929 32169 92165 66581 77136 49839 48475 33310 26033
60753 76787 37601 84046 24944 44273 85819 95023 28727 10003
00578 24717 98750 70538 07764 73131 39723 50617 61902 02576

36827 13049 89526 89833 51738 78168 40172 32274 13877 91889
54082 00049 98453 04530 92321 53304 05721 47720 95210 18-20
63341 11421 36317 66286 93867 85426 74177 71630 84401 93449
37411 99220 86571 30733 89205 47704 87259 47767 32308 46776
04100 53545 81206 36836 55979 00529 26262 94219 77214 53359
67310 92002 55405 42982 39233 35784 76731 23240 95964 66310
03990 68540 47872 20367 54476 55860 13476 67719 15324 44617
67143 57952 15411 48434 14819 09796 19934 99479 10306 93338
59163 79957 93414 31041 26039 45408 43814 43589 91498 53420
70972 63019 51802 65996 4-785 35559 05672 60839 82358 01119
87051 58541 78894 33597 86215 09457 65590 06971 28162 29437
15949 77250 12933 02625 07147 24002 75125 16830 94327 09066
11045 69886 76220 61902 73644 03123 06150 49414 05649 79259
04124 58994 17120 09187 06286 00622 01062 59816 44825 16581
68817 36843 15426 62061 37470 93720 51085 49176 58849 18753
60433 88840 66511 -3290 90072 17165 82320 33760

12137/13367/13967/14367/14967/15867 kHz, 18-04, 0600/0610/0620/0630/0640/0650 UTC

00223 00234 03999 13186 47199 67847 93619 21189 95665 39489
19845 93796 04335 42181 82540 65951 20305 59000 90781 78897
37078 14322 39417 39803 35747 42969 75409 75034 69956 59601
40049 19388 14673 24088 37461 38056 67275 93790 42378 57128
92888 91911 85057 98416 04325 70721 93226 26487 81948 34813
72551 04765 53451 77172 65542 18009 74464 64194 77438 04230
92437 18584 51232 36064 99439 00456 79122 80245 04719 44484
98675 26514 16622 33653 86008 45165 29264 40999 35478 65024
49742 48921 93085 35142 87049 35283 65935 37500 58544 19452
63591 03080 16351 38147 64690 74303 40679 48993 98976 03868
91597 12981 21768 37464 36136 46037 88142 19798 91163 20377
88744 33464 28716 12413 54487 43515 25498 16089 49013 64156
34519 41622 21700 85266 80891 95595 10162 78473 68961 11704
04486 80270 42021 31609 73425 36761 27153 55620 99004 41012
47140 46137 46335 38167 30707 30126 74362 03938 83659 21175
48804 24589 99978 34820 69348 49975 91279 36500 56572 40540
35874 09668 50835 79458 15891 08473 91442 97106 38986 17726
16361 69877 17084 08001 17015 88381 95285 83531 54559 50764
21233 06224 94813 47786 62898 79895 80291 07201 62260 23450
45480 90652 99047 58464 05137 37472 95300 66876 22276 22233
38683 77255 64950 65933 04814 78926 07504 91976 17804 80965
54688 07747 81940 05807 19307 29650 14853 03049 16559 35994
28181 84240 34845 15536 72244 25707 70829 58619 02864 79542
93079 28409 61255 32325 12080 43976 66477 00000 00000

00884 00257 49311 45938 10151 90881 45514 11219 79509 21319
29265 38009 04907 70358 43784 98857 54033 78155 34287 52220
85681 29086 91094 61500 33295 11995 82516 26552 88519 74963
36540 74875 63359 15112 82054 09572 67803 87576 79170 54985
41985 00547 98738 35613 80935 23800 70393 25605 54574 01449
55055 39319 32306 20014 52540 24506 32026 87810 12642 98155
08365 18961 22699 04545 84777 54389 74649 89793 88303 34212
31053 66455 98984 79300 10235 85133 30346 55480 80564 09495
41600 56910 71977 87069 19908 97219 42568 43344 62570 57548
77545 79992 74933 81014 46619 23023 77847 94192 50835 26546
49149 80598 37301 20362 70395 88598 40334 53004 09779 67406
94158 76545 07245 03146 56554 51454 46983 35629 84636 87557
11820 31304 27222 30754 56666 51060 91520 17970 32680 87210
07285 36153 04645 54018 60345 61001 19608 51614 16674 31309
56885 89562 33565 95163 63388 01000 72746 71787 24459 95164
76039 42217 09556 63276 14725 17845 53375 06546 63695 19335
97076 22364 20324 22567 60120 58005 71899 53226 42800 95552
31845 95367 18955 53326 30672 22256 97737 32058 67364 55665
78312 19733 93509 37515 11170 65066 26596 41367 39292 42499

07626 13061 87917 97337 34232 34520 69238 10997 35043 05383
29099 19520 28986 28906 63319 80671 23262 56229 32604 92468
20106 21317 39180 08029 41022 77342 28853 82807 11397 95052
31408 30531 13934 00301 87926 18783 07450 21616 19094 96150
53016 86740 97013 61981 26566 58791 90746 64603 74194 30498
41804 70366 08762 46822 22392 86307 73880 79887 56315 56888
05666 86429 99599 39989 73973 98566 05586 28685 40979 51423

12211/13941 kHz, 18-04, 1330 UTC. Both at the same time. 12211 was a bit weaker. A spur perhaps?

00302 00256 96240 57750 06460 62049 46189 12217 24158 59768
67464 07925 59523 67134 52505 31441 06625 25340 73437 35572
80087 89071 80012 46867 53355 81299 58348 12692 49679 92537
54145 11356 25689 32354 59180 04060 35784 79536 17495 85901
71820 87231 11283 98731 20271 05358 88219 25789 21904 13544
49862 74201 82180 07762 72127 01433 42473 49372 04394 25159
03701 33496 62537 31620 05622 56107 82235 27169 07953 48445
95655 27087 07845 87535 63750 92855 77787 81279 26595 47996
93078 32558 90787 36134 42674 79942 29175 17927 60226 57747
61585 86411 75142 92334 82199 38323 24694 79662 93109 64163
23122 61050 17835 73457 17887 22774 66356 94643 44010 79270
23644 61192 22776 56396 32079 71141 42708 26402 88944 25678
26932 64308 66942 50205 86858 09244 51944 15509 05335 25426
68161 98124 88169 62431 24874 32028 14722 17330 18247 19900
13586 34530 73915 80954 34102 00393 63634 18746 60255 11058
95614 98290 90717 67431 37231 58813 94107 67629 86597 08643
70829 50846 89307 18583 11108 25519 73021 60344 31521 00051
56418 25377 08154 69043 12091 92400 90391 85986 16103 86464
45609 33198 55253 94275 29811 69869 07406 20738 25199 66060
37919 47092 30731 09604 49069 62739 45221 55331 69845 08582
27371 03289 87223 60203 54639 70236 90136 21673 55339 44829
68420 08121 51526 00133 63032 37631 95592 95030 88771 41238
18112 52283 35144 65460 62130 09325 94645 98549 19974 49351
47178 35060 16140 07520 59093 42319 45973 95048 39636 59573
79732 85731 65397 80369 97638 29798 95565 30598 46570 11438
67145 50189 66558 28607 90468 75086 68143 21762 42542 00000
00000

00119 00101 29745 87044 88630 70904 46201 80394 76371 52373
53772 45745 02931 28992 65977 03484 67515 42259 18647 59557
13643 66451 19275 58319 29826 55149 94585 62910 90726 03052
13570 91783 61536 25801 28887 99303 30357 04972 63820 06138
38022 44575 42674 10713 35380 19788 53755 96448 96248 26766
29305 95416 55922 29673 46082 13154 83001 71425 57217 33481
76317 83289 89666 73319 38803 61987 84208 77129 00105 66672
73125 62543 78438 12509 21535 69067 23777 08561 22939 10038
01394 98136 66660 63959 73746 18153 35861 31862 79718 15733
16302 58931 47753 30338 29819 54732 54907 69353 71909 73391
35579 76625 96343 36741

10378/11078/11478/12178/13378/13978 kHz, 20-04, 0400/0410/0420/0430/0440/0450 UTC

00734 00376 08066 21700 10273 50672 86519 92870 50253 94247
36930 91411 35906 96784 36878 06103 54647 24034 48923 80050
98071 63192 61531 03987 24205 08260 22461 86447 57676 13783
00765 26834 65066 50357 09192 18000 31507 31358 01423 81375
52316 29892 88676 04497 20833 54943 02098 08786 97118 74960
27120 61225 09690 71412 14918 11264 09072 04079 97494 02013
28210 00071 35193 36469 93481 10096 26345 85548 87591 18877
74594 23289 22610 67547 27734 68179 74515 57033 83152 69260
06161 13674 89327 82715 86662 39539 17143 93653 35439 97927
08927 27428 33862 99408 53164 52244 94698 52206 11015 10737
28598 16549 21194 78240 00365 03830 38614 42141 43677 46737

36748 52037 20926 28234 95851 14535 10743 52476 49806 53941
92951 32690 50109 89663 09950 47166 89426 23201 14383 75488
73480 22308 46017 72414 40661 89611 92479 11086 28234 82831
00924 75001 49975 88700 61178 56888 06502 05628 03557 38628
41501 42221 02399 57072 17784 95906 66439 31530 68290 53198
14403 15413 27757 68188 73256 14439 06019 48510 87571 06240
22055 99655 70126 66974 53016 17950 82714 61407 28484 53060
40663 83797 19644 75754 33987 31259 19909 88944 54630 44753
23172 60948 42795 29151 68428 85510 47243 81786 15444 46739
50869 57991 18055 97316 16572 41845 71094 35424 04055 99832
13192 05031 03046 15230 12534 30604 95768 52002 34200 41997
94529 17074 93878 42817 83067 61106 56660 40974 98544 67504
70706 00927 45963 81744 02190 82671 65742 22326 59181 92141
59164 84483 84888 54797 31561 18140 57902 27564 16616 37824
89741 95239 47585 73445 52208 33794 64112 75237 14249 55465
84984 31119 36879 36549 29126 12264 59066 21300 13039 29862
64861 73441 92820 42058 82832 10045 32184 39081 11256 64926
03203 29295 24358 60720 77762 75465 53341 72517 29535 68395
18559 90503 08077 03715 07157 28045 47604 48338 25670 19296
59073 36601 14525 86753 72961 16300 02419 05526 90612 42162
01610 25031 63980 49321 52262 55688 06760 76157 58786 53659
58922 86548 91764 44643 11303 74356 65363 89104 34901 54786
62440 83845 13410 91958 05852 66600 14770 37604 87757 61461
73046 47815 81903 87372 66785 93526 26523 58755 51452 51467
21284 71445 89551 72010 60373 72524 44836 69880 75449 98604
50936 13313 70624 35825 79721 17763 11621 72020 43469 85660
40918 69155 88399 97323 80612 11106 04644 04391 40056

12137/13367/13967/14367/14967/15867 kHz, 20-04, 0600/0610/0620/0630/0640/0650 UTC

00808 00236 17605 09490 18001 54136 39454 55449 46816 30564
91708 32326 94166 95475 67937 73915 73394 70427 01742 22808
77626 67814 14110 95505 38335 09334 93604 20662 49345 71862
57479 95040 48999 56247 25956 32513 53562 18638 25122 64006
76924 03120 01357 40197 46580 54287 22365 31948 96184 82553
67878 60127 01538 74261 08474 49550 00490 22098 71154 08666
60531 18792 06103 74953 73084 96667 83326 37919 69518 35423
20352 54755 45304 37734 45882 74506 66456 73912 48924 84046
86968 61655 24477 66791 03983 97350 93501 74737 47773 76405
32023 31464 47483 16455 03475 58132 97015 26402 67111 49912
70960 84445 62429 60760 62200 13122 14822 63802 28378 33966
83092 26576 73173 87106 21697 98874 94313 39310 70969 75733
03165 08589 90144 93112 03400 88887 07272 28848 34259 87749
77489 40053 06801 99011 13086 02523 99225 63715 04590 90859
82527 29698 46358 13806 93311 05447 58290 60375 94757 04599
63817 57704 55431 91377 46746 62370 94299 69316 57359 73312
05850 85973 29542 40627 56476 43039 19774 74160 74020 19174
99648 30597 34719 80109 93204 73465 62229 76337 99799 97952
30596 46895 34090 29660 23931 19784 84620 15423 52265 50714
08222 29909 06356 31277 85009 96553 00156 05730 57329 50272
85671 84128 86354 75583 04950 33219 22985 75321 98172 73279
00141 17961 69515 59406 42715 58953 51882 99881 16696 36691
58417 04351 21894 23305 10951 69739 24241 03442 95098 96649
73309 56498 19008 49527 12280 46467 60540 58506 30305

15881 kHz, 20-04, 1320 UTC

00982 00445 50643 60705 90983 71640 70888 31831 45382 58027
35274 61210 51602 84724 79472 76900 62853 26159 20836 91861
20506 97978 41709 76875 85224 76681 05261 41956 31208 56618
43769 08783 80333 57184 33815 45579 71775 65885 74620 35680
37278 14503 91558 18044 61145 19766 13856 54380 00661 11866
06089 47468 63889 01743 34631 50932 56535 73767 75480 14302
66379 28931 00623 88762 14257 26491 80876 94417 50908 33893

05124 96966 51537 85155 54582 06002 06419 23664 15729 65457
62825 50879 41295 19341 50529 96300 44892 78590 22552 82882
89043 98007 90404 60318 69299 08347 13880 02796 03786 34654
38889 19437 03471 66767 06742 09121 95929 78733 47159 28629
44512 32870 58037 10022 51475 15500 87634 81280 38233 17956
81597 02285 71864 68025 44848 07116 06562 91217 15855 46235
92121 03623 19877 81074 26568 43387 47407 74527 12599 41407
00370 66158 31431 93922 38369 56172 39969 80382 08842 53799
20711 32599 64562 85829 53055 36603 47571 35445 21918 99624
02559 04712 62878 00924 36506 40889 12992 76962 83453 08088
68091 13107 68680 96824 17585 15439 70853 77941 29656 88674
67145 26179 82374 62054 25523 59522 39060 34046 28018 89963
95814 11962 52608 12974 38848 95657 03279 30507 57415 97478
43180 63006 96927 00754 85707 07603 63917 67736 68244 37616
65748 69629 05788 33242 32478 76379 22336 00823 75399 76983
01829 78944 48943 93488 12272 56128 60498 55706 57976 21927
12159 40346 20525 32176 45494 04139 29250 81620 76346 17919
95603 71322 65801 90401 24215 26185 06174 19365 80494 62468
73321 02456 55106 80430 95648 64234 14063 03439 88481 29578
47104 08211 09760 46317 25456 25401 49103 73610 87747 28339
47128 40714 24475 57479 81378 30506 13143 58541 69273 86086
49954 41132 75210 95507 48604 09702 85239 40093 36526 81259
90074 25810 93137 46767 70814 87392 61561 19484 64944 98812
77080 32562 31617 52155 15339 32606 77980 97625 99050 65142
51091 55521 34165 02395 79623 05972 33000 14252 97711 15753
40161 09009 37083 06487 38263 21317 47576 77706 86664 93985
68943 93657 93595 70459 09005 17392 09514 23055 80167 15998
31721 87612 41041 71383 30168 34553 91644 90742 67143 64841
54391 47309 21772 49190 58651 68070 95477 25130 13892 94020
85029 00273 10961 05064 96198 57432 61924 63704 93388 62231
96456 09945 34083 81712 84031 52548 67967 65699 76318 03709
29672 56832 10563 21822 39594 21633 71884 44405 11808 40934
21913 84383 09163 86145 30968 31448 76650 35976 75184 72734
72628 27939 97353 04911 68384 44446 13225 40058 65158 06102
00103 29778 48810 10182 64348 28196 89708 89137 65469 74564
85546 17519 51896 52453 40317 12072 00782 47937 50744 52583
75896 31990 90514 03583 31080 01733 59478 05651 53436 95146
08408 31825 79245 05705 40831 92134 35572 75712

XPB1

13527 kHz, 01-04/02-04/08-04/15-04/16-04/22-04/23-04/29-04/30-04, 0500 UTC
13927 kHz, 01-04/02-04/08-04/15-04/16-04/22-04/23-04/29-04/30-04, 0510 UTC
14727 kHz, 01-04/02-04/08-04/15-04/16-04/22-04/23-04/29-04/30-04, 0520 UTC
14927 kHz, 01-04/02-04/08-04/15-04/16-04/22-04/23-04/29-04/30-04, 0530 UTC
15827 kHz, 01-04/02-04/08-04/15-04/16-04/22-04/23-04/29-04/30-04, 0540 UTC
16327 kHz, 01-04/02-04/08-04/15-04/16-04/22-04/23-04/29-04/30-04, 0550 UTC

20038 kHz, 02-04/05-04/09-04/12-04/16-04/19-04/26-04/30-04, 1300 UTC
19538 kHz, 02-04/05-04/09-04/12-04/16-04/19-04/26-04/30-04, 1310 UTC
18268 kHz, 02-04/05-04/09-04/12-04/16-04/19-04/26-04/30-04, 1320 UTC
17468 kHz, 02-04/05-04/09-04/12-04/16-04/19-04/26-04/30-04, 1330 UTC
16268 kHz, 02-04/05-04/09-04/12-04/16-04/19-04/26-04/30-04, 1340 UTC
15868 kHz, 02-04/05-04/09-04/12-04/16-04/19-04/26-04/30-04, 1350 UTC

13562 kHz, 03-04/06-04/10-04/13-04/17-04/21-04/24-04/27-04, 1100 UTC
12162 kHz, 03-04/06-04/10-04/13-04/17-04/21-04/24-04/27-04, 1110 UTC
11562 kHz, 03-04/06-04/10-04/13-04/17-04/21-04/24-04/27-04, 1120 UTC
11162 kHz, 03-04/06-04/10-04/13-04/17-04/21-04/24-04/27-04, 1130 UTC
10562 kHz, 03-04/06-04/10-04/13-04/17-04/21-04/24-04/27-04, 1140 UTC
10262 kHz, 03-04/06-04/10-04/13-04/17-04/21-04/24-04, 1150 UTC

DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

13365 kHz, 02-04, 1228 UTC, RFSM
14755 kHz, 02-04, 0827 UTC, RFSM
17440 kHz, 02-04, 1227 UTC, RFSM
18455 kHz, 02-04, 1258 UTC, RFSM
18515 kHz, 02-04, 1028 UTC, RFSM
13365 kHz, 03-04, 1229 UTC, RFSM
14755 kHz, 03-04, 0825 UTC, RFSM
17440 kHz, 03-04, 1227 UTC, RFSM
18455 kHz, 03-04, 1258 UTC, RFSM
18515 kHz, 03-04, 1026 UTC, RFSM
14755 kHz, 10-04, 0825 UTC, RFSM
17440 kHz, 10-04, 1225 UTC, RFSM
18455 kHz, 10-04, 1257 UTC, RFSM
18515 kHz, 10-04, 1025 UTC, RFSM
14755 kHz, 15-04, 0826 UTC, RFSM
17440 kHz, 15-04, 1222 UTC, RFSM
18515 kHz, 15-04, 1028 UTC, RFSM
14931 kHz, 18-04, 0627 UTC, RFSM. QSX 14938 kHz
14938 kHz, 18-04, 0627 UTC, RFSM. QSX 14931 kHz
14755 kHz, 18-04, 0827 UTC, RFSM
17440 kHz, 18-04, 1225 UTC, RFSM
18455 kHz, 18-04, 1255 UTC, RFSM
18515 kHz, 18-04, 1028 UTC, RFSM

Diplomatic stations: Egypt

14622.0 kHz, 09-04, 0840 UTC, SITOR-A / CODAN 9012	MFA Cairo clg XBPV: unid Egyptian embassy
20036.7 kHz, 12-04, 1344 UTC, SITOR-A 100/170	MFA Cairo clg OOVC: Egyptian embassy New Delhi
20035.0 kHz, 12-04, 1344 UTC, CODAN 9012	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi
16333.7 kHz, 17-04, 0603 UTC, SITOR-A 100/170	MFA Cairo clg TVVP: Egyptian embassy Abu Dhabi
16333.0 kHz, 17-04, 0605 EUTC, CODAN 9012	MFA Cairo message to 00005: Egyptian embassy Abu Dhabi
20981.7 kHz, 18-04, 1410 UTC, SITOR-A 100/170	MFA Cairo clg RCVB: Egyptian embassy Washington
20980.0 kHz, 18-04, 1413 UTC, CODAN 9012	99903: MFA Cairo message to 66601: Egyptian embassy Washington
19667.7 kHz, 25-04, 1310 UTC, SITOR-A 100/170	MFA Cairo clg RCVB: Egyptian embassy Washington
19666.0 kHz, 25-04, 1312 UTC, CODAN 9012	99903: MFA Cairo message to 66601: Egyptian embassy Washington
19667.7 kHz, 25-04, 1317 UTC, SITOR-A 100/170	MFA Cairo clg RCVB: Egyptian embassy Washington. Off at 1320z

Diplomatic stations: North Korea

Mode: DPRK-ARQ 600 or 1200 LSB

16252 kHz, 02-04, 0730 UTC
14300 kHz, 02-04, 0730 UTC
14300 kHz, 03-04, 0730 UTC
12800 kHz, 04-04, 0730 UTC
14222 kHz, 04-04, 0800 UTC
12750 kHz, 05-04, 0820 UTC
11080 kHz, 06-04, 0740 UTC
14300 kHz, 06-04, 0749 UTC
14300 kHz, 07-04, 0738 UTC
16252 kHz, 26-04, 1230 UTC
13400 kHz, 26-04, 1301 UTC

Diplomatic stations: Russia

11438 kHz, 01-04, 0806 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
12122 kHz, 01-04, 0643 UTC, MFSK-6	MFA Moscow clg 165324: Russian embassy Vienna
12152 kHz, 01-04, 0746 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
18435 kHz, 02-04, 1659 UTC, MFSK-66	Russian diplo
12124 kHz, 02-04, 1706 UTC, MFSK-6	MFA Moscow clg 246531: Russian embassy Accra
14653 kHz, 03-04, 1106 UTC, Serdolik v2	Russian diplo. Selcal
17443 kHz, 03-04, 1108 UTC, Serdolik v2	Russian diplo. Selcal
17440 kHz, 03-04, 1109 UTC, Serdolik v2	Russian diplo
16115 kHz, 03-04, 1119 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
16103 kHz, 03-04, 1300 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
20412 kHz, 03-04, 1107 UTC, Serdolik v2	Russian diplo
16115 kHz, 03-04, 1119 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
18755 kHz, 03-04, 1252 UTC, MFSK-66	Russian diplo
18245 kHz, 03-04, 1242 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
19878 kHz, 03-04, 1305 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
18755 kHz, 03-04, 1334 UTC, MFSK-66	Russian diplo
17517 kHz, 04-04, 0715 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
16315 kHz, 04-04, 0724 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 04-04, 0729 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 04-04, 0732 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 04-04, 0736 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 04-04, 0739 UTC, Serdolik v2	Russian diplo. Selcal
18575 kHz, 04-04, 0741 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
17521 kHz, 04-04, 0746 UTC, Serdolik v2	Russian diplo. Selcal
16028 kHz, 04-04, 0750 UTC, Serdolik v2	Russian diplo. Selcal
16026 kHz, 04-04, 0751 UTC, Serdolik v2	Russian diplo
16313 kHz, 04-04, 0753 UTC, Serdolik v2	Russian diplo. Test
16313 kHz, 04-04, 0800 UTC, Serdolik v2	Russian diplo. Test
17534 kHz, 04-04, 0804 UTC, MFSK-6	MFA Moscow clg 351264: Russian embassy Abu Dhabi
16026 kHz, 04-04, 0807 UTC, Serdolik v2	Russian diplo
16313 kHz, 04-04, 0817 UTC, Serdolik v2	Russian diplo. Test
16313 kHz, 04-04, 0822 UTC, Serdolik v2	Russian diplo. Test
16313 kHz, 04-04, 0832 UTC, Serdolik v2	Russian diplo. Test
16313 kHz, 04-04, 0834 UTC, Serdolik v2	Russian diplo. Selcal
16313 kHz, 04-04, 0840 UTC, Serdolik v2	Russian diplo. Test
16315 kHz, 04-04, 0849 UTC, Serdolik v2	Russian diplo. Selcal
16313 kHz, 04-04, 0850 UTC, Serdolik v2	Russian diplo
18197 kHz, 04-04, 0929 UTC, MFSK-6	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
19511 kHz, 04-04, 0700 UTC, Serdolik v2	Russian diplo
16313 kHz, 04-04, 0900 UTC, Serdolik v2	Russian diplo
20844 kHz, 04-04, 0925 UTC, MFSK-66	Russian diplo
17468 kHz, 04-04, 1408 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare
14846 kHz, 08-04, 0808 UTC, Serdolik v2	Russian diplo. Selcal
14846 kHz, 08-04, 0810 UTC, Serdolik v2	Russian diplo. Selcal
14846 kHz, 08-04, 0813 UTC, Serdolik v2	Russian diplo. Selcal
17475 kHz, 08-04, 0818 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
17466 kHz, 08-04, 0821 UTC, Serdolik v2	Russian diplo
19273 kHz, 08-04, 0922 UTC, Serdolik v2	Russian diplo. Selcal
16117 kHz, 08-04, 0926 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
13420 kHz, 09-04, 0757 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
17523 kHz, 09-04, 0816 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
20813 kHz, 09-04, 1018 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
18220 kHz, 11-04, 1004 UTC, Serdolik v2	Russian diplo. Selcal
14478 kHz, 11-04, 1617 UTC, Serdolik v2	Russian diplo. Selcal
10431 kHz, 12-04, 0851 UTC, MFSK-66	Russian diplo
12195 kHz, 12-04, 0851 UTC, MFSK-66	Russian diplo
15710 kHz, 14-04, 1128 UTC, MFSK-6	MFA Moscow clg 261453: Russian embassy Cairo
10414 kHz, 15-04, 0651 UTC, MFSK-66	Russian diplo
12122 kHz, 15-04, 0651 UTC, MFSK-6	MFA Moscow clg 165324: Russian embassy Vienna
12152 kHz, 15-04, 0740 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern

12199 kHz, 15-04, 0758 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
13473 kHz, 15-04, 0909 UTC, MFSK-66	Russian diplo
12177 kHz, 15-04, 0912 UTC, MFSK-6	MFA Moscow clg 356412: Russian embassy Berlin
23355 kHz, 15-04, 0942 UTC, MFSK-6	MFA Moscow clg 641523: Russian embassy Lusaka
20675 kHz, 15-04, 0950 UTC, MFSK-6	MFA Moscow clg 641523: Russian embassy Lusaka
15687 kHz, 16-04, 0830 UTC, MFSK-6	MFA Moscow 154263: Russian embassy Rome
14801 kHz, 16-04, 0838 UTC, MFSK-66	Russian diplo
19142 kHz, 16-04, 0847 UTC, Serdolik v2	Russian diplo
17454 kHz, 16-04, 0859 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
16115 kHz, 17-04, 1115 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
18245 kHz, 17-04, 1230 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
17519 kHz, 18-04, 0815 UTC, Serdolik v2	Russian diplo
11474 kHz, 18-04, 0836 UTC, Serdolik v2	Russian diplo. Selcal
14474 kHz, 18-04, 0840 UTC, Serdolik v2	Russian diplo. Selcal
17468 kHz, 18-04, 1328 UTC, MFSK-6	MFA Moscow clg 436521: unid embassy
19511 kHz, 18-04, 0724 UTC, MFSK-66	Russian diplo
21825 kHz, 18-04, 0726 UTC, Serdolik v2	Russian diplo. Selcal
16262 kHz, 18-04, 0727 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 18-04, 0730 UTC, Serdolik v2	Russian diplo. Selcal
21825 kHz, 18-04, 0732 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 18-04, 0734 UTC, Serdolik v2	Russian diplo. Selcal
19511 kHz, 18-04, 0737 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
18575 kHz, 18-04, 0738 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
16315 kHz, 18-04, 0741 UTC, Serdolik v2	Russian diplo. Selcal
21825 kHz, 18-04, 0744 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
17521 kHz, 18-04, 0752 UTC, Serdolik v2	Russian diplo. Selcal
19405 kHz, 18-04, 0755 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
17519 kHz, 18-04, 0801 UTC, Serdolik v2	Russian diplo
14950 kHz, 18-04, 0803 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
17534 kHz, 18-04, 0811 UTC, MFSK-6	MFA Moscow clg 351264: Russian embassy Abu Dhabi
21824 kHz, 18-04, 0834 UTC, Serdolik v2	Russian diplo. Selcal
16132 kHz, 18-04, 0835 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
16132 kHz, 18-04, 0841 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
20937 kHz, 18-04, 0912 UTC, MFSK-66	Russian diplo
20844 kHz, 18-04, 0933 UTC, MFSK-66	Russian diplo
20837 kHz, 18-04, 0946 UTC, MFSK-6	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
12218 kHz, 19-04, 1318 UTC, MFSK-66	Russian diplo
12164 kHz, 19-04, 0818 UTC, Serdolik v2	Russian diplo. Selcal
12166 kHz, 19-04, 0821 UTC, Serdolik v2	Russian diplo. Selcal
14828 kHz, 19-04, 0840 UTC, Serdolik v2	Russian diplo
14828 kHz, 19-04, 0845 UTC, Serdolik v2	Russian diplo
13954 kHz, 19-04, 0848 UTC, MFSK-6	MFA Moscow clg 213546: Russian embassy Islamabad
14826 kHz, 19-04, 0855 UTC, Serdolik v2	Russian diplo. Selcal
14828 kHz, 19-04, 0857 UTC, Serdolik v2	Russian diplo
18322 kHz, 19-04, 1016 UTC, Serdolik v2	Russian diplo
12194 kHz, 19-04, 1022 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
13940 kHz, 22-04, 0904 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
20690 kHz, 22-04, 0936 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
13517 kHz, 22-04, 0939 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
16117 kHz, 22-04, 0945 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
13420 kHz, 23-04, 0801 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
17523 kHz, 23-04, 0802 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
11562 kHz, 24-04, 0755 UTC, Serdolik v2	Russian diplo
20950 kHz, 24-04, 0801 UTC, MFSK-6	MFA Moscow clg 435621: Russian embassy Maputo
18316 kHz, 24-04, 0803 UTC, Serdolik v2	Russian diplo
11166 kHz, 24-04, 0804 UTC, MFSK-66	Russian diplo
11562 kHz, 24-04, 0806 UTC, Serdolik v2	Russian diplo
16062 kHz, 25-04, 0834 UTC, Serdolik v2	Russian diplo
15920 kHz, 26-04, 0457 UTC, MFSK-6	MFA Moscow clg 216435: Russian embassy Dhaka
20605 kHz, 26-04, 1001 UTC, MFSK-6	MFA Moscow clg 256134: Russian embassy Abidjan

CLANDESTINE / TARGETED RADIO & JAMMERS

Russian- Ukrainian radio war

09310 kHz, 09-04, 0756 UTC, USB	Russian patriotic songs
14225 kHz, 10-04, 0850 UTC, USB	Attention! European nations and people, world war III is approaching ... (loop transmission)
14115 kHz, 10-04, 1558 UTC, USB	Russian songs
07055 kHz, 10-04, 1603 UTC, LSB	Anti Russian talks
07050 kHz, 10-04, 1609 UTC, LSB	Anti Russian talks
07055 kHz, 10-04, 1716 UTC, LSB	Songs and anti Russia ranting
11535 kHz, 26-04, 1735 UTC	Radio Recep Erdogan. Program in Turkish. Jammer
17690 kHz, 26-04, 1730 UTC	Radio Marti. Program in Spanish with a lot of Led Zeppelin music

UTILITY ROUND-UP

MFSK-13. Russian net

8183 kHz, 02-04, 0710 UTC
18923 kHz, 10-04, 1453 UTC
17425 kHz, 10-04, 1457 UTC
13392 kHz, 10-04, 1505 UTC
18569 kHz, 15-04, 1341 UTC
15843 kHz, 17-04, 0941 UTC
15843 kHz, 17-04, 1102 UTC
17548 kHz, 18-04, 0729 UTC

MFSK-21. Unid station

14372 kHz, 18-04, 0821 UTC
14372 kHz, 18-04, 0836 UTC
9103 kHz, 25-04, 1614 UTC

New Buzzer

6710 kHz, 03-04, 2000 UTC
7710 kHz, 03-04, 2000 UTC
8595 kHz, 03-04, 2000 UTC
7185 kHz, 06-04, 2040 UTC
7980 kHz, 06-04, 2040 UTC
8000 kHz, 06-04, 2040 UTC

RUSSIAN MILITARY TRANSCRIPTS

Monolith stations

Channel markers

6930 kHz, 04-04, 1545 UTC	New Pip channel marker
6218 kHz, 04-04, 1547 UTC	New Pip channel marker + Buzzer
5838 kHz, 04-04, 1548 UTC	New Pip channel marker
5780 kHz, 04-04, 1548 UTC	New Pip channel marker
6402 kHz, 04-04, 1548 UTC	New Pip channel marker
5448 kHz, 04-04, 1550 UTC	Pip channel marker (S30)
3363.5 kHz, 04-04, 1552 UTC	Pip channel marker (ex S32)
4310 kHz, 04-04, 1552 UTC	Goose channel marker
4770 kHz, 04-04, 1553 UTC	Alarm channel marker
4625 kHz, 04-04, 1554 UTC	Buzzer channel marker (S28)

Morse transmissions

Russian Military morse traffic

16112 kHz, 16-04, 0925 UTC, FSK CW	RDL RDL RDL 31397 55056 31397 55056 31397 55056 K
16112 kHz, 16-04, 0936 UTC, FSK CW	RDL RDL RDL 35717 02451 35717 02451 35717 02451 K
16112 kHz, 16-04, 0944 UTC, FSK CW	RDL RDL RDL 35138 96464 35138 96464 35138 96464 K
16112 kHz, 16-04, 0946 UTC, FSK CW	RDL RDL RDL 75334 68572 75334 68572 75334 68572 K
16112 kHz, 16-04, 1103 UTC, FSK CW	RDL RDL RDL 92479 89245 92479 89245 92479 89245 K
16112 kHz, 16-04, 1131 UTC, FSK CW	RDL RDL RDL 16182 06822 16182 06822 16182 06822 K

Digital transmissions

Russian tactical datalink

5202 kHz, 08-04, 0822 UTC, Akkord 1200Bd/800Hz
7260 kHz, 10-04, 1555 UTC, Akkord 1200Bd/800Hz
5202 kHz, 10-04, 1931 UTC, Akkord 1200Bd/800Hz
5202 kHz, 26-04, 1910 UTC, Akkord 1200Bd/800Hz

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-ATN	Ary Boender via remote rx Bonaire
AB-D	Ary Boender via remote rx Germany
AB-F	Ary Boender via remote rx France
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-KWT	Ary Boender via remote rx Kuwait
AB-POL	Ary Boender via remote rx Poland
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
Dan	Daniel LU5EMM, Argentina
Fspy	Feline Spy SWL
HFD	Hans-Friedrich Dumrese, Germany
Lac	Lazycrypt
linkz	Linkz, S.E. France
Mario-J	Mario via remote rx Japan
Moon	Moonlight (Dave AU)
Phi	Philby
Pof	Pofistal_975 via Priyom
PY	Pierre Ynard, France and via remote rx
qsr711	qsr711
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
Subilo	Subilo
T101	RadiotehnikaT101 via Priyom

LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	2-4	0710	8183	Tue	Russian net	MFSK-13	(AB)
---	3-4	1800	6710	Wed	New Buzzer	USB	(AB)
---	3-4	1800	7710	Wed	New Buzzer	USB	(AB)
---	3-4	1800	8595	Wed	New Buzzer	USB	(AB)
---	4-4	1545	6930	Thu	New Pip channel marker	USB	(AB)
---	4-4	1547	6218	Thu	New Pip channel marker + Buzzer	USB	(AB)
---	4-4	1548	5780	Thu	New Pip channel marker	USB	(AB)
---	4-4	1548	5838	Thu	New Pip channel marker	USB	(AB)
---	4-4	1548	6402	Thu	New Pip channel marker	USB	(AB)
---	4-4	1552	3363.5	Thu	Pip channel marker (ex S32)	USB	(AB)
---	4-4	1552	4310	Thu	Goose channel marker	USB	(AB)
---	4-4	1553	4770	Thu	Alarm channel marker	USB	(AB)
---	6-4	2040	7185	Sat	New buzzer	USB	(AB)
---	6-4	2040	7980	Sat	New buzzer	USB	(AB)
---	6-4	2040	8000	Sat	New buzzer	USB	(AB)
---	9-4	0756	9310	Tue	Radio war: Russian patriotic songs	USB	(AB)
---	10-4	0850	14225	Wed	Radio war: Attention! European nations and people, world war III is approaching ... (loop transmission)	USB	(AB)
---	10-4	1453	18923	Wed	Russian net	MFSK-13	(AB)
---	10-4	1457	17425	Wed	Russian net	MFSK-13	(AB)
---	10-4	1505	13392	Wed	Russian net	MFSK-13	(AB)
---	10-4	1555	7260	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	10-4	1558	14115	Wed	Radio war: Russian songs	USB	(AB)
---	10-4	1603	7055	Wed	Radio war: anti Russian talks	LSB	(AB)
---	10-4	1609	7050	Wed	Radio war: anti Russian talks	LSB	(AB)
---	10-4	1716	7055	Wed	Radio war: songs and anti Russia ranting	LSB	(AB)
---	10-4	1931	5202	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	15-4	1341	18569	Mon	Russian net	MFSK-13	(AB)
---	17-4	0941	15843	Wed	Russian net	MFSK-13	(AB)
---	17-4	1102	15843	Wed	Russian net	MFSK-13	(AB)
---	18-4	0729	17548	Thu	Russian net	MFSK-13	(AB)
---	18-4	0821	14372	Thu	Unid station	MFSK-21	(AB)
---	18-4	0836	14372	Thu	Unid station	MFSK-21	(AB)
---	25-4	1614	9103	Thu	Unid station	MFSK-21	(AB)
---	26-4	1910	5202	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
BUL	2-4	0827	14755	Tue	Bulgarian diplo	RFSM	(AB)
BUL	2-4	1028	18515	Tue	Bulgarian diplo	RFSM	(AB)
BUL	2-4	1227	17440	Tue	Bulgarian diplo	RFSM	(AB)

BUL	2-4	1228	13365	Tue	Bulgarian diplo	RFSM	(AB)
BUL	2-4	1258	18455	Tue	Bulgarian diplo	RFSM	(AB)
BUL	3-4	0825	14755	Wed	Bulgarian diplo	RFSM	(AB)
BUL	3-4	1026	18515	Wed	Bulgarian diplo	RFSM	(AB)
BUL	3-4	1227	17440	Wed	Bulgarian diplo	RFSM	(AB)
BUL	3-4	1229	13365	Wed	Bulgarian diplo	RFSM	(AB)
BUL	3-4	1258	18455	Wed	Bulgarian diplo	RFSM	(AB)
BUL	10-4	0825	14755	Wed	Bulgarian diplo	RFSM	(AB)
BUL	10-4	1025	18515	Wed	Bulgarian diplo	RFSM	(AB)
BUL	10-4	1225	17440	Wed	Bulgarian diplo	RFSM	(AB)
BUL	10-4	1257	18455	Wed	Bulgarian diplo	RFSM	(AB)
BUL	15-4	0826	14755	Mon	Bulgarian diplo	RFSM	(AB)
BUL	15-4	1028	18515	Mon	Bulgarian diplo	RFSM	(AB)
BUL	15-4	1222	17440	Mon	Bulgarian diplo	RFSM	(AB)
BUL	18-4	0627	14931	Thu	Bulgarian diplo. QSX 14938 kHz	RFSM	(AB)
BUL	18-4	0627	14938	Thu	Bulgarian diplo. QSX 14931 kHz	RFSM	(AB)
BUL	18-4	0827	14755	Thu	Bulgarian diplo	RFSM	(AB)
BUL	18-4	1028	18515	Thu	Bulgarian diplo	RFSM	(AB)
BUL	18-4	1225	17440	Thu	Bulgarian diplo	RFSM	(AB)
BUL	18-4	1255	18455	Thu	Bulgarian diplo	RFSM	(AB)
DPRK	2-4	0730	14300	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	2-4	0730	16252	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	3-4	0730	14300	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	4-4	0730	12800	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	4-4	0800	14222	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	5-4	0820	12750	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	6-4	0740	11080	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	6-4	0749	14300	Sat	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	7-4	0738	14300	Sun	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	26-4	1230	16252	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	26-4	1301	13400	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
E06	4-4	0500	15645	Thu	951 387 60 77985 78477 94354 ... 18009 02937 33188 387 60 00000	USB	(AB/HFD/Lac)
E06	4-4	0600	17470	Thu	951 387 60 77985 78477 94354 ... 18009 02937 33188 387 60 00000	USB	(AB/HFD/Lac)
E06	5-4	0500	15645	Fri	951 387 60 77985 78477 94354 ... 18009 02937 33188 387 60 00000	USB	(AB/Lac)
E06	5-4	0600	17470	Fri	951 387 60 77985 78477 94354 ... 18009 02937 33188 387 60 00000	USB	(AB/Lac)
E06	6-4	1600	11487	Sat	480 712 44 74523 34656 40764 ... 14545 57341 03489 712 44 00000	USB	(AB/HFD)
E06	6-4	1630	9412	Sat	480 712 44 74523 34656 40764 ... 14545 57341 03489 712 44 00000	USB	(AB/HFD)
E06	7-4	0730	13945	Sun	480 712 44 74523 34656 40764 ... 14545 57341 03489 712 44 00000	USB	(AB/HFD)
E06	7-4	0800	11128	Sun	480 712 44 74523 34656 40764 ... 14545 57341 03489 712 44 00000	USB	(AB/HFD)
E06	14-4	0730	13945	Sun	480 751 42 59079 23040 07305 ... 24809 72587 69874 751 42 00000	USB	(AB)
E06	14-4	0800	11128	Sun	480 751 42 59079 23040 07305 ... 24809 72587 69874 751 42 00000	USB	(AB)
E06	18-4	0500	15645	Thu	951 483 62 72738 94283 15078 ... 50227 86719 48189 483 62 00000	USB	(AB)

E06	18-4	0600	17470	Thu	951 483 62 72738 94283 15078 ... 50227 86719 48189 483 62 00000	USB	(AB/Lac)
E06	19-4	0500	15645	Fri	951 483 62 72738 94283 15078 ... 50227 86719 48189 483 62 00000	USB	(AB)
E06	19-4	0600	17470	Fri	951 483 62 72738 94283 15078 ... 50227 86719 48189 483 62 00000	USB	(AB)
E06	20-4	1600	11487	Sat	480 591 42 58748 34548 03787 ... 61060 27089 04564 591 42 00000	USB	(AB)
E06	20-4	1630	9412	Sat	480 591 42 58748 34548 03787 ... 61060 27089 04564 591 42 00000	USB	(AB)
E06	21-4	0730	13945	Sun	480 591 42 58748 34548 03787 ... 61060 27089 04564 591 42 00000	USB	(AB)
E06	21-4	0800	11128	Sun	480 591 42 58748 34548 03787 ... 61060 27089 04564 591 42 00000	USB	(AB)
E07	2-4	1500	16257	Tue	221 221 221 1 7541 107 7541 107 47899 38199 01725 ... 89445 61681 95545 000 000	USB	(AB/HFD/Lac)
E07	2-4	1520	18257	Tue	221 221 221 1 7541 107 7541 107 47899 38199 01725 ... 89445 61681 95545 000 000	USB	(AB/HFD/Lac)
E07	2-4	1540	19157	Tue	221 221 221 1 7541 107 7541 107 47899 38199 01725 ... 89445 61681 95545 000 000	USB	(AB/HFD/Lac)
E07	4-4	1410	16331	Thu	893 893 893 000	USB	(AB/HFD/Lac)
E07	4-4	1430	15831	Thu	893 893 893 000	USB	(AB/HFD/Lac)
E07	5-4	1500	16257	Fri	221 221 221 1 7541 107 7541 107 47899 38199 01725 ... 89445 61681 95545 000 000	USB	(AB/Lac)
E07	5-4	1520	18257	Fri	221 221 221 1 7541 107 7541 107 47899 38199 01725 ... 89445 61681 95545 000 000	USB	(AB/Lac)
E07	5-4	1540	19157	Fri	221 221 221 1 7541 107 7541 107 47899 38199 01725 ... 89445 61681 95545 000 000 Restart	USB	(AB/Lac)
E07	6-4	1410	16331	Sat	893 893 893 000	USB	(AB)
E07	6-4	1430	15831	Sat	893 893 893 000	USB	(AB)
E07	9-4	1500	16257	Tue	221 221 221 000	USB	(AB)
E07	9-4	1520	18257	Tue	221 221 221 000	USB	(AB)
E07	11-4	1410	16331	Thu	893 893 893 1 7855 100 7855 100 24856 41743 39988 ... 11275 29753 32387 000 000	USB	(AB/Lac)
E07	11-4	1430	15831	Thu	893 893 893 1 7855 100 7855 100 24856 41743 39988 ... 11275 29753 32387 000 000	USB	(AB/Lac)
E07	11-4	1450	14831	Thu	893 893 893 1 7855 100 7855 100 24856 41743 39988 ... 11275 29753 32387 000 000	USB	(AB/Lac)
E07	12-4	1500	16257	Fri	221 221 221 000	USB	(AB)
E07	12-4	1520	18257	Fri	221 221 221 000	USB	(AB)
E07	13-4	1410	16331	Sat	893 893 893 1 7855 100 7855 100 24856 41743 39988 ... 11275 29753 32387 000 000	USB	(AB)
E07	13-4	1430	15831	Sat	893 893 893 1 7855 100 7855 100 24856 41743 39988 ... 11275 29753 32387 000 000	USB	(AB)
E07	13-4	1450	14831	Sat	893 893 893 1 7855 100 7855 100 24856 41743 39988 ... 11275 29753 32387 000 000	USB	(AB)
E07	16-4	1500	16257	Tue	221 221 221 1 459 88 459 88 00504 58744 99759 ... 82583 28867 04305 000 000	USB	(AB/Lac)
E07	16-4	1520	18257	Tue	221 221 221 1 459 88 459 88 00504 58744 99759 ... 82583 28867 04305 000 000	USB	(AB/Lac)
E07	16-4	1540	19157	Tue	221 221 221 1 459 88 459 88 00504 58744 99759 ... 82583 28867 04305 000 000	USB	(AB/Lac)
E07	18-4	1410	16331	Thu	893 893 893 000	USB	(AB/Lac)
E07	18-4	1430	15831	Thu	893 893 893 000	USB	(AB/Lac)
E07	19-4	1500	16257	Fri	221 221 221 1 459 88 459 88 00504 58744 99759 ... 82583 28867 04305 000 000	USB	(AB)
E07	19-4	1520	18257	Fri	221 221 221 1 459 88 459 88 00504 58744 99759 ... 82583 28867 04305 000 000	USB	(AB)
E07	19-4	1540	19157	Fri	221 221 221 1 459 88 459 88 00504 58744 99759 ... 82583 28867 04305 000 000	USB	(AB)
E07	20-4	1410	16331	Sat	893 893 893 000	USB	(AB)
E07	20-4	1430	15831	Sat	893 893 893 000	USB	(AB)
E07	22-4	1500	16257	Mon	221 221 221 000	USB	(Lac)
E07	22-4	1520	18257	Mon	221 221 221 000	USB	(Lac)
E07	25-4	1410	16331	Thu	893 893 893 1 103 127 103 127 29643 42770 58195 ... 31887 16623 50682 000 000	USB	(AB/Lac)
E07	25-4	1430	15831	Thu	893 893 893 1 103 127 103 127 29643 42770 58195 ... 31887 16623 50682 000 000	USB	(AB/Lac)
E07	25-4	1450	14831	Thu	893 893 893 1 103 127 103 127 29643 42770 58195 ... 31887 16623 50682 000 000	USB	(AB/Lac)

E07	26-4	1500	16257	Fri	221 221 221 000	USB	(AB)
E07	26-4	1520	18257	Fri	221 221 221 000	USB	(AB)
E07	27-4	1410	16331	Sat	893 893 893 1 103 127 103 127 29643 42770 58195 ... 31887 16623 50682 000 000	USB	(AB)
E07	27-4	1430	15831	Sat	893 893 893 1 103 127 103 127 29643 42770 58195 ... 31887 16623 50682 000 000	USB	(AB)
E07	27-4	1450	14831	Sat	893 893 893 1 103 127 103 127 29643 42770 58195 ... 31887 16623 50682 000 000	USB	(AB)
E07	30-4	1500	16257	Tue	221 221 221 1 6776 150 6776 150 11335 66519 11323 ... 51074 10279 40174 000 000	USB	(AB/Lac)
E07	30-4	1520	18257	Tue	221 221 221 1 6776 150 6776 150 11335 66519 11323 ... 51074 10279 40174 000 000	USB	(AB/Lac)
E07	30-4	1540	19157	Tue	221 221 221 1 6776 150 6776 150 11335 66519 11323 ... 51074 10279 40174 000 000	USB	(AB/Lac)
E11	1-4	0315	11581	Mon	258/00 Out	USB	(PY/Subilo)
E11	1-4	0315	11581	Mon	258/00 Out	USB	(TM)
E11	1-4	0450	5371	Mon	416/00 Out	USB	(AB)
E11	1-4	0600	19515	Mon	945/00 Out	USB	(AB-POL/Lac)
E11	1-4	0745	10213	Mon	269/00 Out	USB	(AB)
E11	1-4	0830	20170	Mon	185/00 Out	USB	(AB-POL/Lac)
E11	1-4	0900	13117	Mon	530/00 Out	USB	(AB/Lac)
E11	1-4	1300	5371	Mon	316/00 Out	USB	(AB-POL/Lac)
E11	1-4	1745	13470	Mon	247/00 Out	USB	(AB)
E11	1-4	1900	7317	Mon	648/00 Out	USB	(AB)
E11	2-4	0645	8423	Tue	515/00 Out	USB	(AB/Lac)
E11	2-4	0700	8180	Tue	579/00 Out	USB	(AB)
E11	2-4	0820	19184	Tue	130/00 Out	USB	(AB-POL)
E11	2-4	1230	12530	Tue	334/00 Out	USB	(AB)
E11	2-4	1430	14972	Tue	917/00 Out	USB	(AB/Lac)
E11	2-4	1605	5176	Tue	232/00 Out	USB	(AB/Lac)
E11	3-4	0315	11581	Wed	250/00 Out	USB	(TM/Subilo)
E11	3-4	0600	19515	Wed	945/00 Out	USB	(AB-POL)
E11	3-4	0745	17410	Wed	342/00 Out	USB	(AB)
E11	3-4	0820	19184	Wed	134/00 Out	USB	(AB-POL)
E11	3-4	0900	13117	Wed	534/00 Out	USB	(AB)
E11	3-4	0930	6940	Wed	275/00 Out	USB	(AB)
E11	3-4	1045	12385	Wed	696/00 Out	USB	(AB/Lac)
E11	3-4	1715	6923	Wed	977/00 Out	USB	(AB)
E11	4-4	0645	8423	Thu	512/00 Out	USB	(AB)
E11	4-4	0820	6807	Thu	432/00 Out	USB	(AB/Lac)
E11	4-4	0930	6940	Thu	278/00 Out	USB	(AB)
E11	4-4	1230	12530	Thu	335/00 Out	USB	(AB)
E11	4-4	1530	10330	Thu	261/00 Out	USB	(AB/Lac)
E11	4-4	1730	7864	Thu	413/00 Out	USB	(AB/Lac)
E11	4-4	1900	7317	Thu	641/00 Out	USB	(AB)
E11	5-4	0600	8680	Fri	352/00 Out	USB	(AB)
E11	5-4	0700	8180	Fri	570/00 Out	USB	(AB/Lac)
E11	5-4	0745	17410	Fri	346/00 Out	USB	(AB)

E11	5-4	0820	6807	Fri	432/00 Out	USB	(AB)
E11	5-4	0830	20170	Fri	181/00 Out	USB	(AB/Lac)
E11	5-4	1715	6923	Fri	970/00 Out	USB	(AB)
E11	5-4	1815	11116	Fri	920/00 Out	USB	(AB)
E11	6-4	0700	9079	Sat	497/00 Out	USB	(AB)
E11	6-4	1430	14972	Sat	912/00 Out	USB	(AB)
E11	6-4	1645	4505	Sat	366/00 Out	USB	(AB)
E11	7-4	0600	8680	Sun	352/00 Out	USB	(AB)
E11	7-4	0700	9079	Sun	495/00 Out	USB	(AB)
E11	7-4	1605	5176	Sun	231/00 Out	USB	(AB)
E11	7-4	1645	4505	Sun	369/00 Out	USB	(AB)
E11	7-4	1745	13470	Sun	249/00 Out	USB	(AB)
E11	7-4	1815	11116	Sun	920/00 Out	USB	(AB)
E11	8-4	0315	11581	Mon	255/00 Out	USB	(TM/Subilo)
E11	8-4	0600	19515	Mon	941/00 Out	USB	(AB-POL/AB)
E11	8-4	0715	19515	Mon	751/00 Out	USB	(AB-POL/HFD/Lac)
E11	8-4	0745	10213	Mon	264/00 Out	USB	(AB)
E11	8-4	0845	12202	Mon	718/00 Out	USB	(AB)
E11	8-4	1045	12385	Mon	698/00 Out	USB	(AB/HFD)
E11	8-4	1300	5371	Mon	311/00 Out	USB	(AB-POL)
E11	9-4	0645	8423	Tue	510/00 Out	USB	(AB)
E11	9-4	0700	8180	Tue	570/00 Out	USB	(AB)
E11	9-4	0715	15720	Tue	636/00 Out	USB	(AB)
E11	9-4	0745	14865	Tue	229/00 Out	USB	(AB)
E11	9-4	0820	19184	Tue	138/00 Out	USB	(AB-POL)
E11	9-4	0845	18168	Tue	150/00 Out	USB	(AB-POL)
E11	9-4	0845	14865	Tue	229/00 Out	USB	(Lac)
E11	9-4	1000	9951	Tue	309/00 Out	USB	(AB)
E11	9-4	1205	9399	Tue	462/00 Out	USB	(AB)
E11	9-4	1230	12530	Tue	332/00 Out	USB	(AB)
E11	9-4	1605	5176	Tue	237/00 Out	USB	(AB)
E11	10-4	0315	11581	Wed	250/00 Out	USB	(TM/Subilo)
E11	10-4	0600	19515	Wed	949/00 Out	USB	(AB-POL)
E11	10-4	0715	19515	Wed	759/00 Out	USB	(AB-POL)
E11	10-4	0745	17410	Wed	349/00 Out	USB	(AB)
E11	10-4	0820	19184	Wed	134/00 Out	USB	(AB-POL/Lac)
E11	10-4	0845	12202	Wed	715/00 Out	USB	(AB)
E11	10-4	1045	12385	Wed	691/00 Out	USB	(AB)
E11	10-4	1205	9399	Wed	461/00 Out	USB	(AB)
E11	10-4	1610	4181	Wed	392/00 Out	USB	(AB)
E11	10-4	1715	6923	Wed	977/00 Out	USB	(AB)
E11	11-4	0645	8423	Thu	510/00 Out	USB	(AB/Lac)

E11	11-4	0745	14865	Thu	228/00 Out	USB	(TM)
E11	11-4	0845	18168	Thu	155/00 Out	USB	(AB)
E11	11-4	1230	12530	Thu	331/00 Out	USB	(AB)
E11	11-4	1300	5371	Thu	312/00 Out	USB	(AB)
E11	11-4	1530	10330	Thu	266/00 Out	USB	(AB/Lac)
E11	11-4	2000	5737	Thu	527/00 Out	USB	(AB)
E11	12-4	0600	8680	Fri	358/00 Out	USB	(AB)
E11	12-4	0700	8180	Fri	575/00 Out	USB	(AB)
E11	12-4	0715	15720	Fri	633/00 Out	USB	(AB)
E11	12-4	0745	17410	Fri	344/00 Out	USB	(AB)
E11	12-4	1000	9951	Fri	302/00 Out	USB	(AB)
E11	12-4	1715	6923	Fri	976/00 Out	USB	(AB)
E11	12-4	1815	11116	Fri	926/00 Out	USB	(AB)
E11	12-4	1910	8530	Fri	611/00 Out	USB	(AB)
E11	13-4	1610	4181	Sat	391/00 Out	USB	(AB)
E11	13-4	1645	4505	Sat	367/00 Out	USB	(AB)
E11	14-4	0600	8680	Sun	353/00 Out	USB	(AB)
E11	14-4	1605	5176	Sun	230/00 Out	USB	(AB)
E11	14-4	1645	4505	Sun	364/00 Out	USB	(AB)
E11	14-4	1745	13470	Sun	247/00 Out	USB	(AB)
E11	14-4	1815	11116	Sun	929/00 Out	USB	(AB)
E11	14-4	1910	8530	Sun	611/00 Out	USB	(AB)
E11	14-4	2000	5737	Sun	527/00 Out	USB	(AB)
E11	15-4	0450	5371	Mon	412/00 Out	USB	(AB)
E11	15-4	0715	19515	Mon	750/00 Out	USB	(AB-POL)
E11	15-4	0745	10213	Mon	269/00 Out	USB	(AB)
E11	15-4	0830	20170	Mon	184/00 Out	USB	(AB-POL/Lac)
E11	15-4	0845	12202	Mon	710/00 Out	USB	(AB/Lac)
E11	15-4	0900	13117	Mon	538/00 Out	USB	(AB)
E11	15-4	1745	13470	Mon	240/00 Out	USB	(AB)
E11	15-4	1900	7317	Mon	641/00 Out	USB	(AB/Lac)
E11	16-4	0715	15720	Tue	631/00 Out	USB	(AB/Lac)
E11	16-4	0745	14865	Tue	229/00 Out	USB	(AB/Lac)
E11	16-4	0820	19184	Tue	133/00 Out	USB	(AB-POL)
E11	16-4	0845	18168	Tue	156/00 Out	USB	(AB-POL)
E11	16-4	1000	9951	Tue	302/00 Out	USB	(AB)
E11	16-4	1205	9399	Tue	463/00 Out	USB	(AB/Lac)
E11	16-4	1230	12530	Tue	331/00 Out	USB	(AB)
E11	16-4	1430	14972	Tue	919/00 Out	USB	(AB-S)
E11	16-4	1605	5176	Tue	235/00 Out	USB	(AB)
E11	17-4	0715	19515	Wed	755/00 Out	USB	(AB-POL)
E11	17-4	0745	17410	Wed	346/00 Out	USB	(AB)

E11	17-4	0820	19184	Wed	136/00 Out	USB	(AB-POL)
E11	17-4	0845	12202	Wed	716/00 Out	USB	(AB)
E11	17-4	0900	13117	Wed	534/00 Out	USB	(AB)
E11	17-4	0930	6940	Wed	271/00 Out	USB	(AB/Lac)
E11	17-4	1205	9399	Wed	462/00 Out	USB	(AB)
E11	17-4	1610	4181	Wed	392/00 Out	USB	(AB)
E11	18-4	0745	14865	Thu	220/00 Out	USB	(AB-POL/Lac)
E11	18-4	0820	6807	Thu	438/00 Out	USB	(AB/Lac)
E11	18-4	0845	18168	Thu	159/00 Out	USB	(AB-POL/Lac)
E11	18-4	0930	6940	Thu	276/00 Out	USB	(AB)
E11	18-4	1230	12530	Thu	337/00 Out	USB	(AB)
E11	18-4	1530	10330	Thu	269/00 Out	USB	(AB)
E11	18-4	1730	7864	Thu	419/00 Out	USB	(AB)
E11	18-4	1900	7317	Thu	Test tone at 1850z. No transmission	USB	(AB)
E11	18-4	2000	5737	Thu	522/00 Out	USB	(AB)
E11	19-4	0715	15720	Fri	636/00 Out	USB	(AB)
E11	19-4	0745	17410	Fri	340/00 Out	USB	(AB)
E11	19-4	0820	6807	Fri	436/00 Out	USB	(AB)
E11	19-4	0830	20170	Fri	184/00 Out	USB	(AB)
E11	19-4	1000	9951	Fri	300/00 Out	USB	(AB)
E11	19-4	1815	11116	Fri	926/00 Out	USB	(AB)
E11	19-4	1910	8530	Fri	617/00 Out	USB	(AB)
E11	20-4	0700	9079	Sat	498/00 Out	USB	(AB)
E11	20-4	1430	14972	Sat	910/00 Out	USB	(AB)
E11	20-4	1610	4181	Sat	395/00 Out	USB	(AB)
E11	20-4	1645	4505	Sat	360/00 Out	USB	(AB)
E11	21-4	0700	9079	Sun	492/00 Out	USB	(AB)
E11	21-4	1605	5176	Sun	230/00 Out	USB	(AB)
E11	21-4	1645	4505	Sun	367/00 Out	USB	(AB)
E11	21-4	1745	13470	Sun	240/00 Out	USB	(AB)
E11	21-4	1815	11116	Sun	927/00 Out	USB	(AB)
E11	21-4	1910	8530	Sun	617/00 Out	USB	(AB)
E11	21-4	2000	5737	Sun	522/00 Out	USB	(AB/Subilo)
E11	22-4	0315	11581	Mon	253/00 Out	USB	(Subilo)
E11	22-4	0715	19515	Mon	759/00 out	USB	(Lac)
E11	22-4	1900	7317	Mon	643/00 Out	USB	(AB/Lac)
E11	23-4	0700	8180	Tue	575/00 Out	USB	(AB)
E11	23-4	1430	14972	Tue	910/00 Out	USB	(Lac)
E11	24-4	0315	11420	Wed	253/00 Out	USB	(PY/Subilo)
E11	24-4	0600	19515	Wed	944/00 Out	USB	(AB-POL)
E11	24-4	0715	19515	Wed	754/00 Out	USB	(AB-POL)
E11	24-4	0845	12202	Wed	714/00 Out	USB	(AB)

E11	24-4	0900	13117	Wed	537/00 Out	USB	(AB)
E11	24-4	0930	6940	Wed	279/00 Out	USB	(AB)
E11	24-4	1045	12385	Wed	697/00 Out	USB	(AB)
E11	24-4	1205	9399	Wed	461/00 Out	USB	(AB)
E11	24-4	1610	4181	Wed	391/00 Out	USB	(AB)
E11	24-4	1715	6923	Wed	978/00 Out	USB	(AB)
E11	25-4	0645	8423	Thu	514/00 Out	USB	(AB)
E11	25-4	0745	14865	Thu	220/00 Out	USB	(AB-POL)
E11	25-4	0820	6807	Thu	435/00 Out	USB	(AB)
E11	25-4	0845	18168	Thu	152/00 Out	USB	(AB-POL)
E11	25-4	0930	6940	Thu	277/00 Out	USB	(AB)
E11	25-4	1300	5371	Thu	314/00 Out	USB	(AB-POL/Lac)
E11	25-4	1730	7864	Thu	412/00 Out	USB	(AB/Lac)
E11	25-4	1900	7317	Thu	640/00 Out	USB	(AB)
E11	25-4	2000	5737	Thu	522/00 Out	USB	(AB)
E11	26-4	0600	8680	Fri	354/00 Out	USB	(AB)
E11	26-4	0700	8180	Fri	575/00 Out	USB	(AB)
E11	26-4	0715	15720	Fri	631/00 Out	USB	(AB)
E11	26-4	0820	6807	Fri	431/00 Out	USB	(AB)
E11	26-4	0830	20170	Fri	188/00 Out	USB	(AB)
E11	26-4	1000	9951	Fri	306/00 Out	USB	(AB)
E11	26-4	1715	6923	Fri	976/00 Out	USB	(AB)
E11	26-4	1815	11116	Fri	929/00 Out	USB	(AB)
E11	26-4	1910	8530	Fri	616/00 Out	USB	(AB)
E11	27-4	0700	9079	Sat	498/00 Out	USB	(AB)
E11	27-4	1430	14972	Sat	912/00 Out	USB	(AB)
E11	27-4	1610	4181	Sat	393/00 Out	USB	(AB)
E11	28-4	0600	8680	Sun	359/00 Out	USB	(AB)
E11	28-4	0700	9079	Sun	496/00 Out	USB	(AB)
E11	28-4	1910	8530	Sun	610/00 Out	USB	(AB)
E11	28-4	2000	5737	Sun	524/00 Out	USB	(AB)
E11	29-4	0315	11420	Mon	251/00 Out	USB	(PY/Subilo)
E11	29-4	0450	5371	Mon	416/00 Out	USB	(AB)
E11	29-4	0600	19515	Mon	942/00 Out	USB	(AB-POL/Lac)
E11	29-4	0715	19515	Mon	754/00 Out	USB	(AB-POL/Lac)
E11	29-4	0745	10213	Mon	261/00 Out	USB	(AB)
E11	29-4	0830	20170	Mon	185/00 Out	USB	(AB-POL)
E11	29-4	0845	12202	Mon	713/00 Out	USB	(AB)
E11	29-4	0900	13117	Mon	532/00 Out	USB	(AB/Lac)
E11	29-4	0930	20170	Mon	185/00 Out	USB	(Lac)
E11	29-4	1045	12385	Mon	696/00 Out	USB	(AB)
E11	29-4	1300	5371	Mon	312/00 Out	USB	(AB-POL)

E11	29-4	1745	13470	Mon	246/00 Out	USB	(AB)
E11	29-4	1900	7317	Mon	647/00 Out	USB	(AB)
E11	30-4	0645	8423	Tue	514/00 Out	USB	(AB)
E11	30-4	0700	8180	Tue	574/00 Out	USB	(AB)
E11	30-4	0715	15720	Tue	637/00 Out	USB	(AB)
E11	30-4	0745	14865	Tue	223/00 Out	USB	(AB)
E11	30-4	0820	19184	Tue	130/00 Out	USB	(AB)
E11	30-4	0845	18168	Tue	151/00 Out	USB	(AB-POL)
E11	30-4	1000	9951	Tue	302/00 Out	USB	(AB)
E11	30-4	1205	9399	Tue	465/00 Out	USB	(AB)
E11	30-4	1230	12530	Tue	330/00 Out	USB	(AB)
E11	30-4	1430	14972	Tue	915/00 Out	USB	(AB)
E11	30-4	1605	5176	Tue	231/00 Out	USB	(AB)
E11a	1-4	0715	19515	Mon	755/34 Attention 35220 47018 56460 ... 69128 01369 18716 Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	1-4	0845	12202	Mon	714/35 Attention 03071 73450 87902 ... 66388 57765 26051 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	2-4	0715	15720	Tue	630/35 Attention 91964 58448 99562 ... 19643 44045 99976 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	2-4	0745	14865	Tue	221/40 Attention 26555 18245 34792 ... 82217 69964 80808 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	2-4	0845	18168	Tue	159/35 Attention 31919 18607 68292 ... 89283 87908 41152 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	2-4	1000	9951	Tue	309/37 Attention 85485 45277 88946 ... 85093 64248 56757 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	2-4	1205	9399	Tue	461/40 Attention 02566 43270 73496 ... 55751 42369 57947 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	3-4	0715	19515	Wed	755/34 Attention 35220 47018 56460 ... 69128 01369 18716 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	3-4	0845	12202	Wed	714/35 Attention 03071 73450 87902 ... 66388 57765 26051 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	3-4	1205	9399	Wed	461/40 Attention 02566 43270 73496 ... 55751 42369 57947 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	3-4	1610	4181	Wed	394/37 Attention 09087 20089 90557 ... 10632 51174 46987 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	4-4	0745	14865	Thu	221/40 Attention 26555 18245 34792 ... 82217 69964 80808 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	4-4	0845	18168	Thu	159/35 Attention 31919 18607 68292 ... 89283 87908 41152 Attention (message repeated) Out	USB	(AB-POL)
E11a	4-4	2000	5737	Thu	528/34 Attention 47847 43394 97703 ... 85339 15752 73646 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	5-4	0715	15720	Fri	630/35 Attention 91964 58448 99562 ... 19643 44045 99976 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	5-4	1000	9951	Fri	309/37 Attention 85485 45277 88946 ... 85093 64248 56757 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	5-4	1910	8530	Fri	611/36 Attention 37285 59745 90301 ... 71159 01694 60044 Attention (message repeated) Out	USB	(Subilo)
E11a	6-4	1610	4181	Sat	394/37 Attention 09087 20089 90557 ... 10632 51174 46987 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	7-4	1910	8530	Sun	611/36 Attention 37285 59745 90301 ... 71159 01694 60044 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	7-4	2000	5737	Sun	528/34 Attention 47847 43394 97703 ... 85339 15752 73646 Attention (message repeated) Out	USB	(AB)
E11a	8-4	0450	5371	Mon	412/40 Attention 04301 34653 26495 ... 87613 53831 81843 Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	8-4	0830	20170	Mon	185/30 Attention 87960 35549 53011 ... 00069 65502 78935 Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	8-4	0900	13117	Mon	534/36 Attention 70220 05039 59984 ... 03671 51547 11969 Attention (message repeated) Out	USB	(AB)
E11a	8-4	1900	7317	Mon	641/37 Attention 48317 35847 81703 ... 64175 11647 14318 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	9-4	1430	14972	Tue	912/37 Attention 31003 35803 25359 ... 40976 73367 71486 Attention (message repeated) Out	USB	(AB-S/Subilo)
E11a	10-4	0900	13117	Wed	534/36 Attention 70220 05039 59984 ... 03671 51547 11969 Attention (message repeated) Out	USB	(AB/Lac)
E11a	10-4	0930	6940	Wed	277/34 Attention 11484 42946 63692 ... 38965 04766 95410 Attention (message repeated) Out	USB	(AB/Subilo)
E11a	11-4	0820	6807	Thu	434/33 Attention 97151 23703 48042 ... 79024 54488 12589 Attention (message repeated) Out	USB	(TM/Subilo)
E11a	11-4	0930	6940	Thu	277/34 Attention 11484 42946 63692 ... 38965 04766 95410 Attention (message repeated) Out	USB	(AB/Subilo)

E11a	11-4	1730	7864	Thu	412/40 Attention 04301 34653 26495 ... 87613 53831 81843	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	11-4	1900	7317	Thu	641/37 Attention 48317 35847 81703 ... 64175 11647 14318	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	12-4	0820	6807	Fri	434/33 Attention 97151 23703 48042 ... 79024 54488 12589	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	12-4	0830	20170	Fri	185/30 Attention 87960 35549 53011 ... 00069 65502 78935	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	13-4	0700	9079	Sat	498/40 Attention 08194 86738 87575 ... 43856 72081 16696	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	13-4	1430	14972	Sat	912/37 Attention 31003 35803 25359 ... 40976 73367 71486	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	14-4	0700	9079	Sun	498/40 Attention 08194 86738 87575 ... 43856 72081 16696	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	15-4	0315	11581	Mon	255/32 Attention 26388 27349 87858 ... 10268 26626 98847	Attention (message repeated) Out	USB	(TM/Subilo)
E11a	15-4	0600	19515	Mon	948/25 Attention 67324 48269 38436 ... 84156 52289 17674	Attention (message repeated) Out	USB	(AB-POL/Lac/Subilo)
E11a	15-4	1045	12385	Mon	693/30 Attention 73601 60953 24767 ... 60758 06853 69924	Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	15-4	1300	5371	Mon	314/36 Attention 62698 69544 91604 ... 04222 76154 60721	Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	16-4	0645	8423	Tue	518/31 Attention 39585 47193 35401 ... 03192 64749 70952	Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	16-4	0700	8180	Tue	575/35 Attention 67898 69334 98379 ... 49388 52677 53133	Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	17-4	0315	11581	Wed	255/32 Attention 26388 27349 87858 ... 10268 26626 98847	Attention (message repeated) Out	USB	(TM/Subilo)
E11a	17-4	0600	19515	Wed	948/25 Attention 67324 48269 38436 ... 84156 52289 17674	Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	17-4	1045	12385	Wed	693/30 Attention 73601 60953 24767 ... 60758 06853 69924	Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	17-4	1715	6923	Wed	976/33 Attention 34098 46847 12357 ... 59089 82597 97957	Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	18-4	0645	8423	Thu	518/31 Attention 39585 47193 35401 ... 03192 64749 70952	Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	18-4	1300	5371	Thu	314/36 Attention 62698 69544 91604 ... 04222 76154 60721	Attention (message repeated) Out	USB	(AB-POL/Lac/Subilo)
E11a	19-4	0600	8680	Fri	350/36 Attention 65690 78164 66611 ... 50732 98441 01899	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	19-4	0700	8180	Fri	575/35 Attention 67898 69334 98379 ... 49388 52677 53133	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	19-4	1715	6923	Fri	976/33 Attention 34098 46847 12357 ... 59089 82597 97957	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	21-4	0600	8680	Sun	350/36 Attention 65690 78164 66611 ... 50732 98441 01899	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	22-4	0745	10213	Mon	269/32 Attention 43839 44626 94967 ... 89654 83717 54288	Attention (message repeated) Out	USB	Lac/Subilo)
E11a	22-4	1745	13470	Mon	245/31 Attention 76080 79003 15223 ... 96409 60840 09406	Attention (message repeated) Out	USB	(Lac/Subilo)
E11a	23-4	0820	19184	Tue	136/35 Attention 06876 49351 11151 ... 88837 27179 88809	Attention (message repeated) Out	USB	(Subilo)
E11a	23-4	1230	12530	Tue	337/31 Attention 49394 72726 26908 ... 28240 84215 86102	Attention (message repeated) Out	USB	(Subilo)
E11a	23-4	1605	5176	Tue	237/39 Attention 29838 88440 82766 ... 82035 89815 21426	Attention (message repeated) Out	USB	(Subilo)
E11a	24-4	0745	17410	Wed	344/33 Attention 18133 33985 04101 ... 23477 37170 82150	Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	24-4	0820	19184	Wed	136/35 Attention 06876 49351 11151 ... 88837 27179 88809	Attention (message repeated) Out	USB	(AB-POL/Subilo)
E11a	25-4	1230	12530	Thu	337/31 Attention 49394 72726 26908 ... 28240 84215 86102	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	25-4	1530	10330	Thu	269/32 Attention 43839 44626 94967 ... 89654 83717 54288	Attention (message repeated) Out	USB	(AB/Lac/Subilo)
E11a	26-4	0745	17410	Fri	344/33 Attention 18133 33985 04101 ... 23477 37170 82150	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	26-4	1815	11116	Fri	929/30 Attention 80775 43994 29404 ... 10696 77855 79232	Attention (message repeated) Out	USB	(Subilo)
E11a	27-4	1645	4505	Sat	368/36 Attention 63158 91800 48507 ... 01067 95222 99854	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	28-4	1605	5176	Sun	237/39 Attention 29838 88440 82766 ... 82035 89815 21426	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	28-4	1645	4505	Sun	368/36 Attention 63158 91800 48507 ... 01067 95222 99854	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	28-4	1745	13470	Sun	245/31 Attention 76080 79003 15223 ... 96409 60840 09406	Attention (message repeated) Out	USB	(AB/Subilo)
E11a	28-4	1815	11116	Sun	929/30 Attention 80775 43994 29404 ... 10696 77855 79232	Attention (message repeated) Out	USB	(AB/Subilo)
EGY	9-4	0840	14622	Tue	MFA Cairo clg XBPV: unid Egyptian embassy followed by Codan traffic		SITOR-A 100/170 + Codan	(AB)
EGY	12-4	1344	20035	Fri	99901: MFA Cairo message to 44406: Egyptian embassy New Delhi		CODAN 9001	(AB)
EGY	12-4	1344	20036.7	Fri	MFA Cairo clg OOV: Egyptian embassy New Delhi		SITOR-A 100/170	(AB)

EGY	17-4	0603	16333.7	Wed	MFA Cairo clg TVVP: Egyptian embassy Abu Dhabi	SITOR-A 100/170	(AB-KWT)
EGY	17-4	0605	16333	Wed	MFA Cairo message to 00005: Egyptian embassy Abu Dhabi	CODAN 9012	(AB-KWT)
EGY	18-4	1410	20981.7	Thu	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	18-4	1413	20980	Thu	99903: MFA Cairo message to 66601: Egyptian embassy Washington	CODAN 9012	(AB)
EGY	25-4	1310	19667.7	Thu	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	25-4	1312	19666	Thu	99903: MFA Cairo message to 66601: Egyptian embassy Washington	CODAN 9012	(AB)
EGY	25-4	1317	19667.7	Thu	MFA Cairo clg RCVB: Egyptian embassy Washington. Off at 1320z	SITOR-A 100/170	(AB)
F01	1-4	1015	10177	Mon	76817 76284 23103 ... 43247 34438 20415 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	1-4	1015	10177	Mon	FSK 200/500 6:36 via KiwiSDR RUS	FSK 200/500	(HFD)
F01	1-4	1025	8076	Mon	76817 76284 23103 ... 43247 34438 20415 00000 +++++ +++++ +++++	FSK 200/500	(AB-POL)
F01	1-4	1025	8076	Mon	FSK 200/500 weak via KiwiSDR POL	FSK 200/500	(HFD)
F01	1-4	1035	6974	Mon	76817 76284 23103 ... 43247 34438 20415 00000 +++++ +++++ +++++	FSK 200/500	(AB-POL)
F01	1-4	1035	6974	Mon	FSK 200/500 via KiwiSDR POL	FSK 200/500	(HFD)
F01	2-4	1015	10177	Tue	Two messages	FSK 200/500	(AB)
F01	2-4	1025	8076	Tue	Two messages	FSK 200/500	(AB-POL)
F01	2-4	1035	6974	Tue	Two messages	FSK 200/500	(AB-POL)
F01	3-4	1015	10177	Wed	68961 74464 81669 ... 10790 09005 23431 00000 +++++ +++++	FSK 200/500	(AB)
F01	3-4	1025	8076	Wed	68961 74464 81669 ... 10790 09005 23431 00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	3-4	1035	6974	Wed	68961 74464 81669 ... 10790 09005 23431 00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	3-4	1840	12194	Wed	00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	3-4	1850	10581	Wed	00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	3-4	1900	8112	Wed	00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	4-4	1015	10177	Thu	Two messages	FSK 200/500	(AB)
F01	4-4	1025	8076	Thu	Two messages	FSK 200/500	(AB-POL)
F01	4-4	1035	6974	Thu	Two messages	FSK 200/500	(AB-POL)
F01	5-4	1015	10177	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	5-4	1025	8076	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	5-4	1035	6974	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	8-4	1015	10177	Mon	10115 98718 62170 ... 13203 15903 26413 00000 +++++ +++++	FSK 200/500	(AB)
F01	8-4	1025	8076	Mon	10115 98718 62170 ... 13203 15903 26413 00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	8-4	1035	6974	Mon	10115 98718 62170 ... 13203 15903 26413 00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	9-4	1015	10177	Tue	Two messages	FSK 200/500	(AB)
F01	9-4	1025	8076	Tue	Two messages	FSK 200/500	(AB-POL)
F01	9-4	1035	6974	Tue	Two messages	FSK 200/500	(AB-POL)
F01	10-4	1015	10177	Wed	22487 64079 22668 ... 59073 41419 29447 00000 +++++	FSK 200/500	(AB-RUS)
F01	10-4	1025	8076	Wed	22487 64079 22668 ... 59073 41419 29447 00000 +++++	FSK 200/500	(AB-POL)
F01	10-4	1035	6974	Wed	22487 64079 22668 ... 59073 41419 29447 00000 +++++	FSK 200/500	(AB-POL)
F01	11-4	1015	10177	Thu	Two messages	FSK 200/500	(AB)
F01	11-4	1025	8076	Thu	Two messages	FSK 200/500	(AB-POL)
F01	11-4	1035	6974	Thu	Two messages	FSK 200/500	(AB-POL)
F01	12-4	1015	10177	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	12-4	1025	8076	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)

F01	12-4	1035	6974	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	15-4	1015	10177	Mon	34521 92162 66568 ... 15279 28188 32411 00000 +++++	FSK 200/500	(AB-RUS)
F01	15-4	1025	8076	Mon	34521 92162 66568 ... 15279 28188 32411 00000 +++++	FSK 200/500	(AB-POL)
F01	15-4	1035	6974	Mon	34521 92162 66568 ... 15279 28188 32411 00000 +++++	FSK 200/500	(AB-POL)
F01	16-4	1015	10177	Tue	Two messages	FSK 200/500	(AB)
F01	16-4	1025	8076	Tue	Two messages	FSK 200/500	(AB-POL)
F01	16-4	1035	6974	Tue	Two messages	FSK 200/500	(AB-POL)
F01	18-4	1015	10177	Thu	Two messages	FSK 200/500	(AB)
F01	18-4	1025	8076	Thu	Two messages	FSK 200/500	(AB-POL)
F01	18-4	1035	6974	Thu	Two messages	FSK 200/500	(AB-POL)
F01	19-4	1015	10177	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	19-4	1025	8076	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	19-4	1035	6974	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	29-4	1015	10177	Mon	09181 84322 09209 ... 77018 13995 38403 00000	FSK 200/500	(AB-RUS)
F01	29-4	1025	8076	Mon	09181 84322 09209 ... 77018 13995 38403 00000	FSK 200/500	(AB-POL)
F01	29-4	1035	6974	Mon	09181 84322 09209 ... 77018 13995 38403 00000	FSK 200/500	(AB-POL)
F01	30-4	1015	10177	Tue	Two messages	FSK 200/500	(AB)
F01	30-4	1025	8076	Tue	Two messages	FSK 200/500	(AB-POL)
F01	30-4	1035	6974	Tue	Two messages	FSK 200/500	(AB-POL)
F02	3-4	1036	18039	Wed	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F02	3-4	1050	18039	Wed	Russian net	MFSK-4/150Bd/4000Hz	(AB)
F03j	1-4	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	1-4	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	2-4	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-4	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-4	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	3-4	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	3-4	1030	10800	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-4	1035	10800	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-4	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-4	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-4	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	8-4	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	8-4	1030	10800	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-4	1035	10800	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-4	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-4	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-4	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	10-4	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	10-4	1030	10800	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-4	1035	10800	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-4	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)

F03j	11-4	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	15-4	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	15-4	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	15-4	1030	10800	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-4	1035	10800	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-4	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-4	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-4	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	17-4	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	17-4	1030	10800	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-4	1035	10800	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-4	0610	13575	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-4	0615	13575	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-4	0800	6252	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-4	0805	6252	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-4	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-4	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-4	0800	6252	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-4	0805	6252	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-4	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	24-4	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	24-4	1030	10800	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-4	1035	10800	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-4	0610	13575	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-4	0615	13575	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-4	0800	6252	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-4	0805	6252	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-4	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-4	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-4	0800	6252	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-4	0805	6252	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-4	1030	10800	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-4	1035	10800	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-4	0610	13575	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-4	0615	13575	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-4	0720	13575	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-4	0725	13575	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-4	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-4	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03l	1-4	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	1-4	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03l	1-4	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	1-4	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-4	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-4	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-4	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-4	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-4	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	2-4	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	2-4	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-4	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-4	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	3-4	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	3-4	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	3-4	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	3-4	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-4	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-4	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-4	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-4	0635	23157	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-4	0640	23157	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-4	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-4	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-4	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-4	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-4	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	4-4	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	4-4	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-4	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-4	0810	21854	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-4	0815	21854	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-4	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-4	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-4	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-4	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-4	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-4	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-4	0615	17535	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-4	0620	17535	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-4	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-4	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-4	0810	21854	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-4	0815	21854	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-4	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	8-4	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-4	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-4	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-4	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-4	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-4	0635	23157	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-4	0640	23157	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-4	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-4	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-4	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-4	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-4	0615	17535	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-4	0620	17535	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-4	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	10-4	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	10-4	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	10-4	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	10-4	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-4	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-4	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-4	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-4	0635	23157	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-4	0640	23157	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-4	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(TM)
F03I	11-4	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(TM)
F03I	11-4	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-4	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-4	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	11-4	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	11-4	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-4	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-4	0810	21854	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-4	0815	21854	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-4	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-4	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-4	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-4	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-4	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	12-4	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	15-4	0615	17535	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-4	0620	17535	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-4	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	15-4	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-4	0810	21854	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-4	0815	21854	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-4	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-4	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-4	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-4	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-4	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-4	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-4	0635	23157	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	16-4	0640	23157	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	16-4	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-4	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-4	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	16-4	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	16-4	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-4	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-4	0615	17535	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-4	0620	17535	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-4	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	17-4	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	17-4	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	17-4	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	17-4	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-4	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-4	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-4	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-4	0635	23157	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-4	0640	23157	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-4	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-4	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-4	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-4	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-4	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	18-4	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	18-4	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-4	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-4	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-4	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-4	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-4	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-4	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)

F03I	19-4	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	19-4	1500	10298	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-4	1505	10298	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-4	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-4	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-4	0615	17535	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-4	0620	17535	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-4	0635	23157	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	23-4	0640	23157	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	24-4	0530	20486	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-4	0535	20486	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-4	0615	17535	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-4	0620	17535	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-4	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	24-4	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	24-4	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	24-4	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	24-4	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-4	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-4	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-4	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-4	0635	23157	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-4	0640	23157	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-4	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-4	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-4	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	25-4	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	25-4	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-4	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-4	0850	13474	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-4	0855	13474	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-4	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-4	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-4	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-4	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-4	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	26-4	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	26-4	1500	10298	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-4	1505	10298	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	0530	20486	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	0535	20486	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	0615	17535	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	29-4	0620	17535	Mon	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	0735	10641	Mon	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	0740	10641	Mon	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	0810	21854	Mon	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	0815	21854	Mon	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	0930	6397	Mon	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	0935	6397	Mon	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	1010	12153	Mon	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	1015	12153	Mon	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	1830	7798	Mon	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-4	1835	7798	Mon	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-4	0635	23157	Tue	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	30-4	0640	23157	Tue	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	30-4	0725	13873	Tue	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-4	0730	13873	Tue	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-4	0800	18030	Tue	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	30-4	0805	18030	Tue	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	30-4	0810	13424	Tue	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-4	0815	13424	Tue	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-4	0945	6940	Tue	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-4	0950	6940	Tue	Polish intel.		FSK-2 100Bd/200Hz/448bp	(AB)
F06	1-4	0400	9473	Mon	11166 70059 14785 01021 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
F06	1-4	0410	7556	Mon	11166 70059 14785 01021 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
F06	1-4	0420	5471	Mon	11166 70059 14785 01021 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
F06	1-4	0800	9437	Mon	11100 00000 61248 29030 01399		FSK 200/1000	(AB)
F06	2-4	0030	12095	Tue	11166 60070 12354 02001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/PY)
F06	2-4	0040	9069	Tue	11166 60070 12354 02001 00049 00000 00000 00000 00000		FSK 200/1000	(AB)
F06	2-4	0050	8048	Tue	11166 60070 12354 02001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/PY)
F06	2-4	0700	11054	Tue	11166 70202 13426 01086 02239 and 11166 70202 68943 01087 01839		FSK 200/1000	(AB)
F06	2-4	0710	8189	Tue	11166 70202 13426 01086 02239 and 11166 70202 68943 01087 01839		FSK 200/1000	(AB-POL)
F06	2-4	0720	6952	Tue	11166 70202 13426 01086 02239 and 11166 70202 68943 01087 01839		FSK 200/1000	(AB-POL)
F06	2-4	0800	9437	Tue	11100 00000 61248 29030 01399		FSK 200/1000	(AB)
F06	2-4	0800	5089	Tue	11100 09993 75321 02001 00049 00000 00000 00000 00000		FSK 200/1000	(Pof)
F06	2-4	0810	7691	Tue	11100 00000 61248 29030 01399		FSK 200/1000	(AB-POL)
F06	2-4	0810	7337	Tue	11100 09993 75321 02001 00049 00000 00000 00000 00000		FSK 200/1000	(PY)
F06	2-4	0820	9481	Tue	11100 09993 75321 02001 00049 00000 00000 00000 00000		FSK 200/1000	(PY)
F06	2-4	1200	10388	Tue	11166 70202 13426 01086 02239 and 11166 70202 68943 01087 01839		FSK 200/1000	(AB)
F06	2-4	1210	8084	Tue	11166 70202 13426 01086 02239 and 11166 70202 68943 01087 01839		FSK 200/1000	(AB-POL)
F06	2-4	1220	6780	Tue	11166 70202 13426 01086 02239 and 11166 70202 68943 01087 01839		FSK 200/1000	(AB-POL)
F06	2-4	1230	19926	Tue	11166 30154 13467 02001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/PY)
F06	2-4	1240	16049	Tue	11166 30154 13467 02001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/PY)
F06	2-4	1250	14387	Tue	11166 30154 13467 02001 00049 00000 00000 00000 00000		FSK 200/1000	(AB/PY)

F06	2-4	1650	20971	Tue	11166 10053 13467 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	2-4	1700	15919	Tue	11166 10053 13467 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-4	1710	14386	Tue	11166 10053 13467 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-4	1300	17441	Wed	11166 10075 14785 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	3-4	1300	18257	Wed	11166 60081 12354 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	3-4	1310	13457	Wed	11166 10075 14785 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	3-4	1310	15907	Wed	11166 60081 12354 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	3-4	1320	11165	Wed	11166 10075 14785 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	3-4	1320	13385	Wed	11166 60081 12354 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	3-4	1400	17523	Wed	11166 30077 14785 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	3-4	1410	13427	Wed	11166 30077 14785 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	3-4	1420	11605	Wed	11166 30077 14785 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	4-4	0700	11054	Thu	11166 70202 45218 03089 02199 and 11166 70202 72193 03090 01959	FSK 200/1000	(AB)
F06	4-4	0710	8189	Thu	11166 70202 45218 03089 02199 and 11166 70202 72193 03090 01959	FSK 200/1000	(AB-POL)
F06	4-4	0720	6952	Thu	11166 70202 45218 03089 02199 and 11166 70202 72193 03090 01959	FSK 200/1000	(AB-POL)
F06	4-4	1200	10388	Thu	11166 70202 45218 03089 02199 and 11166 70202 72193 03090 01959	FSK 200/1000	(AB)
F06	4-4	1210	8084	Thu	11166 70202 45218 03089 02199 and 11166 70202 72193 03090 01959	FSK 200/1000	(AB-POL)
F06	4-4	1220	6780	Thu	11166 70202 45218 03089 02199 and 11166 70202 72193 03090 01959	FSK 200/1000	(AB-POL)
F06	4-4	1330	20875	Thu	11166 80214 81523 04058 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-4	1340	19947	Thu	11166 80214 81523 04058 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-4	1350	14571	Thu	11166 80214 81523 04058 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-4	0700	11054	Fri	11166 70202 62347 05034 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-4	0710	8189	Fri	11166 70202 62347 05034 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	5-4	0720	6952	Fri	11166 70202 62347 05034 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	6-4	1700	10687	Sat	11100 00000 96541 05094 01979	FSK 200/1000	(AB)
F06	6-4	1710	7992	Sat	11100 00000 96541 05094 01979	FSK 200/1000	(AB)
F06	6-4	1720	5913	Sat	11100 00000 96541 05094 01979	FSK 200/1000	(AB)
F06	7-4	0830	12167	Sun	11100 00000 96541 05094 01979	FSK 200/1000	(AB)
F06	7-4	0840	9937	Sun	11100 00000 96541 05094 01979	FSK 200/1000	(AB)
F06	7-4	0850	7526	Sun	11100 00000 96541 05094 01979	FSK 200/1000	(AB)
F06	7-4	1530	22877	Sun	11166 10053 12354 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	7-4	1540	20947	Sun	11166 10053 12354 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-4	1550	15893	Sun	11166 10053 12354 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-4	0800	9437	Mon	11100 00000 38472 05031 03239	FSK 200/1000	(AB)
F06	8-4	0810	7691	Mon	11100 00000 38472 05031 03239	FSK 200/1000	(AB-S)
F06	9-4	0030	12095	Tue	11166 60070 13467 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/qs711)
F06	9-4	0040	9069	Tue	11166 60070 13467 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-4	0050	8048	Tue	11166 60070 13467 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-4	0700	11054	Tue	11166 70202 25479 08092 02039 and 11166 70202 85237 08093 01579	FSK 200/1000	(AB)
F06	9-4	0710	8189	Tue	11166 70202 25479 08092 02039 and 11166 70202 85237 08093 01579	FSK 200/1000	(AB-POL)
F06	9-4	0720	6952	Tue	11166 70202 25479 08092 02039 and 11166 70202 85237 08093 01579	FSK 200/1000	(AB-POL)
F06	9-4	0800	9437	Tue	11100 00000 38472 05031 03239	FSK 200/1000	(AB)

F06	9-4	0810	7691	Tue	11100 00000 38472 05031 03239	FSK 200/1000	(AB-POL)
F06	9-4	1200	10388	Tue	11166 70202 25479 08092 02039 and 11166 70202 85237 08093 01579	FSK 200/1000	(AB)
F06	9-4	1210	8084	Tue	11166 70202 25479 08092 02039 and 11166 70202 85237 08093 01579	FSK 200/1000	(AB-POL)
F06	9-4	1220	6780	Tue	11166 70202 25479 08092 02039 and 11166 70202 85237 08093 01579	FSK 200/1000	(AB-POL)
F06	9-4	1230	19926	Tue	11166 30154 14785 09021 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	9-4	1240	16049	Tue	11166 30154 14785 09021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-4	1250	14387	Tue	11166 30154 14785 09021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-4	1650	20971	Tue	11166 10053 14785 09076 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	9-4	1700	15919	Tue	11166 10053 14785 09076 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-4	1710	14386	Tue	11166 10053 14785 09076 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-4	0915	20159	Wed	11166 40023 12354 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-4	0930	15843	Wed	11166 40023 12354 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-4	0945	14365	Wed	11166 40023 12354 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-4	1300	18257	Wed	11166 60081 78235 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	10-4	1300	17441	Wed	11166 10075 45891 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Subilo)
F06	10-4	1310	13457	Wed	11166 10075 45891 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-4	1310	15907	Wed	11166 60081 78235 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	10-4	1320	11165	Wed	11166 10075 45891 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-4	1320	13385	Wed	11166 60081 78235 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	10-4	1400	17523	Wed	11166 30077 12354 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	10-4	1410	13427	Wed	11166 30077 12354 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-4	1420	11605	Wed	11166 30077 12354 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-4	0700	11054	Thu	11166 70202 85476 10095 01519 and 11166 70202 75234 10096 02099	FSK 200/1000	(AB)
F06	11-4	0710	8189	Thu	11166 70202 85476 10095 01519 and 11166 70202 75234 10096 02099	FSK 200/1000	(AB-POL)
F06	11-4	0720	6952	Thu	11166 70202 85476 10095 01519 and 11166 70202 75234 10096 02099	FSK 200/1000	(AB-POL)
F06	11-4	1200	10388	Thu	11166 70202 85476 10095 01519 and 11166 70202 75234 10096 02099	FSK 200/1000	(AB)
F06	11-4	1210	8084	Thu	11166 70202 85476 10095 01519 and 11166 70202 75234 10096 02099	FSK 200/1000	(AB-POL)
F06	11-4	1220	6780	Thu	11166 70202 85476 10095 01519 and 11166 70202 75234 10096 02099	FSK 200/1000	(AB-POL)
F06	11-4	1330	20875	Thu	11166 80214 76524 20075 00049 00000 00000 00000 00000 wrong date field	FSK 200/1000	(AB/PY)
F06	11-4	1340	19947	Thu	11166 80214 76524 20075 00049 00000 00000 00000 00000 wrong date field	FSK 200/1000	(AB/PY)
F06	11-4	1350	14571	Thu	11166 80214 76524 20075 00049 00000 00000 00000 00000 wrong date field	FSK 200/1000	(AB)
F06	12-4	0700	11054	Fri	11166 70202 89451 11081 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-4	0710	8189	Fri	11166 70202 89451 11081 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	12-4	0720	6952	Fri	11166 70202 89451 11081 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	13-4	1700	10687	Sat	11100 00000 53981 12095 02199	FSK 200/1000	(AB)
F06	13-4	1710	7992	Sat	11100 00000 53981 12095 02199	FSK 200/1000	(AB)
F06	13-4	1720	5913	Sat	11100 00000 53981 12095 02199	FSK 200/1000	(AB)
F06	14-4	0830	12167	Sun	11100 00000 53981 12095 02199	FSK 200/1000	(AB)
F06	14-4	0840	9937	Sun	11100 00000 53981 12095 02199	FSK 200/1000	(AB)
F06	14-4	0850	7526	Sun	11100 00000 53981 12095 02199	FSK 200/1000	(AB)
F06	14-4	1530	22877	Sun	11166 10053 13467 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT)
F06	14-4	1540	20947	Sun	11166 10053 13467 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	14-4	1550	15893	Sun	11166 10053 13467 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-4	0400	9473	Mon	11166 70059 13467 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/Subilo)
F06	15-4	0410	7556	Mon	11166 70059 13467 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-4	0420	5471	Mon	11166 70059 13467 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-4	0800	9437	Mon	11100 00000 79462 12032 01239	FSK 200/1000	(AB-S)
F06	15-4	0810	7691	Mon	11100 00000 79462 12032 01239	FSK 200/1000	(AB-S)
F06	16-4	0030	12095	Tue	11166 60070 14785 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-4	0040	9069	Tue	11166 60070 14785 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-4	0050	8048	Tue	11166 60070 14785 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-4	0700	11054	Tue	11166 70202 42859 15098 02159 and 11166 70202 12378 15099 02019	FSK 200/1000	(AB)
F06	16-4	0710	8189	Tue	11166 70202 42859 15098 02159 and 11166 70202 12378 15099 02019	FSK 200/1000	(AB-POL)
F06	16-4	0720	6952	Tue	11166 70202 42859 15098 02159 and 11166 70202 12378 15099 02019	FSK 200/1000	(AB-POL)
F06	16-4	0800	9437	Tue	11100 00000 79462 12032 01239	FSK 200/1000	(AB)
F06	16-4	0810	7691	Tue	11100 00000 79462 12032 01239	FSK 200/1000	(AB-POL)
F06	16-4	1200	10388	Tue	11166 70202 42859 15098 02159 and 11166 70202 12378 15099 02019	FSK 200/1000	(AB-KWT)
F06	16-4	1210	8084	Tue	11166 70202 42859 15098 02159 and 11166 70202 12378 15099 02019	FSK 200/1000	(AB-POL)
F06	16-4	1220	6780	Tue	11166 70202 42859 15098 02159 and 11166 70202 12378 15099 02019	FSK 200/1000	(AB-POL)
F06	16-4	1230	19926	Tue	11166 30154 12457 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	16-4	1240	16049	Tue	11166 30154 12457 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	16-4	1250	14387	Tue	11166 30154 12457 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	16-4	1650	20971	Tue	11166 10053 12457 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT/PY)
F06	16-4	1700	15919	Tue	11166 10053 12457 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-4	1710	14386	Tue	11166 10053 12457 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-4	1300	17441	Wed	11166 10075 69512 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	17-4	1300	18257	Wed	11166 60081 13467 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	17-4	1310	13457	Wed	11166 10075 69512 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	17-4	1310	15907	Wed	11166 60081 13467 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	17-4	1320	11165	Wed	11166 10075 69512 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	17-4	1320	13385	Wed	11166 60081 13467 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	17-4	1400	17523	Wed	11166 30077 13467 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	17-4	1410	13427	Wed	11166 30077 13467 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	17-4	1420	11605	Wed	11166 30077 13467 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	18-4	0700	11054	Thu	11166 70202 96742 17002 02079 and 11166 70202 23671 17003 01739	FSK 200/1000	(AB)
F06	18-4	0710	8189	Thu	11166 70202 96742 17002 02079 and 11166 70202 23671 17003 01739	FSK 200/1000	(AB-POL)
F06	18-4	0720	6952	Thu	11166 70202 96742 17002 02079 and 11166 70202 23671 17003 01739	FSK 200/1000	(AB-POL)
F06	18-4	1200	10388	Thu	11166 70202 96742 17002 02079 and 11166 70202 23671 17003 01739	FSK 200/1000	(AB-RUS)
F06	18-4	1210	8084	Thu	11166 70202 96742 17002 02079 and 11166 70202 23671 17003 01739	FSK 200/1000	(AB-POL)
F06	18-4	1220	6780	Thu	11166 70202 96742 17002 02079 and 11166 70202 23671 17003 01739	FSK 200/1000	(AB-POL)
F06	18-4	1330	20875	Thu	11166 80214 23458 17042 00049 00000 00000 00000 00000 wrong date field	FSK 200/1000	(AB/PY)
F06	18-4	1340	19947	Thu	11166 80214 23458 17042 00049 00000 00000 00000 00000 wrong date field	FSK 200/1000	(AB)
F06	18-4	1350	14571	Thu	11166 80214 23458 17042 00049 00000 00000 00000 00000 wrong date field	FSK 200/1000	(AB)
F06	19-4	0700	11054	Fri	11166 70202 56912 19056 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	19-4	0710	8189	Fri	11166 70202 56912 19056 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	19-4	0720	6952	Fri	11166 70202 56912 19056 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	20-4	1700	10687	Sat	11100 00000 91678 19096 02259	FSK 200/1000	(AB)
F06	20-4	1710	7992	Sat	11100 00000 91678 19096 02259	FSK 200/1000	(AB)
F06	20-4	1720	5913	Sat	11100 00000 91678 19096 02259	FSK 200/1000	(AB)
F06	21-4	0830	12167	Sun	11100 00000 91678 19096 02259	FSK 200/1000	(AB)
F06	21-4	0840	9937	Sun	11100 00000 91678 19096 02259	FSK 200/1000	(AB)
F06	21-4	0850	7526	Sun	11100 00000 91678 19096 02259	FSK 200/1000	(AB)
F06	21-4	1530	22877	Sun	11166 10053 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT/PY)
F06	21-4	1540	20947	Sun	11166 10053 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-4	1550	15893	Sun	11166 10053 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-4	0900	12213	Mon	11166 70202 15789 22060 00049 01010 23232 45454 00000	FSK 200/1000	(PY)
F06	22-4	0915	14929	Mon	11166 70202 15789 22060 00049 01010 23232 45454 00000	FSK 200/1000	(PY)
F06	22-4	0930	17537	Mon	11166 70202 15789 22060 00049 01010 23232 45454 00000	FSK 200/1000	(PY)
F06	22-4	1300	15919	Mon	11166 70202 62547 22073 00029 67676 00000	FSK 200/1000	(PY)
F06	22-4	1315	11573	Mon	11166 70202 62547 22073 00029 67676 00000	FSK 200/1000	(PY)
F06	22-4	1330	10685	Mon	11166 70202 62547 22073 00029 67676 00000	FSK 200/1000	(PY)
F06	22-4	1415	11169	Mon	11166 70202 62547 22073 00029 67676 00000	FSK 200/1000	(PY)
F06	22-4	1430	9967	Mon	11166 70202 62547 22073 00029 67676 00000	FSK 200/1000	(PY)
F06	23-4	0030	12095	Tue	11166 60070 15973 23001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	23-4	0900	12213	Tue	11166 70202 74259 22011 00039 89898 00000 00000	FSK 200/1000	(PY)
F06	23-4	0915	14929	Tue	11166 70202 74259 22011 00039 89898 00000 00000	FSK 200/1000	(PY)
F06	23-4	0930	17537	Tue	11166 70202 74259 22011 00039 89898 00000 00000	FSK 200/1000	(PY)
F06	23-4	1230	19926	Tue	11166 30154 13467 23001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	23-4	1240	16049	Tue	11166 30154 13467 23001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	23-4	1250	14387	Tue	11166 30154 13467 23001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	23-4	1650	20971	Tue	11166 10053 13467 23001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	24-4	0915	20159	Wed	11166 40023 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-4	0930	15843	Wed	11166 40023 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-4	0945	14365	Wed	11166 40023 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-4	1100	10388	Wed	11166 70202 96521 23077 00049 00000 00000 00000 00000	FSK 200/1000	(qsr711)
F06	24-4	1300	17441	Wed	11166 60081 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-4	1300	18257	Wed	11166 10075 14785 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-4	1310	13457	Wed	11166 60081 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-4	1310	15907	Wed	11166 10075 14785 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-4	1320	11165	Wed	11166 60081 18930 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-4	1320	13385	Wed	11166 10075 14785 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-4	1400	17523	Wed	11166 30077 18964 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-4	1410	13427	Wed	11166 30077 18964 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-4	1420	11605	Wed	11166 30077 18964 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	25-4	1300	15919	Thu	11166 70202 76483 24087 00039 12345 67890 00000	FSK 200/1000	(PY)
F06	25-4	1315	11573	Thu	11166 70202 76483 24087 00039 12345 67890 00000	FSK 200/1000	(PY)

F06	25-4	1330	10685	Thu	11166 70202 76483 24087 000391 23456 78900 00000	FSK 200/1000	(AB)
F06	25-4	1330	20875	Thu	11166 80214 65412 25017 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	25-4	1330	10685	Thu	11166 70202 76483 24087 00039 12345 67890 00000	FSK 200/1000	(PY)
F06	25-4	1340	19947	Thu	11166 80214 65412 25017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-4	1350	14571	Thu	11166 80214 65412 25017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-4	1415	11169	Thu	11166 70202 76483 24087 00039 12345 67890 00000	FSK 200/1000	(PY)
F06	25-4	1430	9967	Thu	11166 70202 76483 24087 00039 12345 67890 00000	FSK 200/1000	(PY)
F06	26-4	0700	11054	Fri	11166 70202 14785 26069 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	26-4	0710	8189	Fri	11166 70202 14785 26069 00049 00000 00000 00000 00000	FSK 200/1000	(Subilo)
F06	27-4	1700	10687	Sat	11100 00000 26574 26097 01739	FSK 200/1000	(AB)
F06	27-4	1710	7992	Sat	11100 00000 26574 26097 01739	FSK 200/1000	(AB)
F06	27-4	1720	5913	Sat	11100 00000 26574 26097 01739	FSK 200/1000	(AB)
F06	28-4	0830	12167	Sun	11100 00000 26574 26097 01739	FSK 200/1000	(AB)
F06	28-4	0840	9937	Sun	11100 00000 26574 26097 01739	FSK 200/1000	(AB)
F06	28-4	0850	7526	Sun	11100 00000 26574 26097 01739	FSK 200/1000	(AB)
F06	28-4	1530	22877	Sun	11166 10053 12354 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	28-4	1540	20947	Sun	11166 10053 12354 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-4	1550	15893	Sun	11166 10053 12354 28001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-4	0800	9437	Mon	11100 00000 64930 27035 01019	FSK 200/1000	(AB-S)
F06	29-4	0810	7691	Mon	11100 00000 64930 27035 01019	FSK 200/1000	(AB-S)
F06	30-4	0030	12095	Tue	11166 60070 13467 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	30-4	0040	9069	Tue	11166 60070 13467 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-4	0050	8048	Tue	11166 60070 13467 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-4	0700	11054	Tue	11166 70202 85231 27022 01279 and 11166 70202 23647 27023 02339	FSK 200/1000	(AB)
F06	30-4	0710	8189	Tue	11166 70202 85231 27022 01279 and 11166 70202 23647 27023 02339	FSK 200/1000	(AB-POL)
F06	30-4	0720	6952	Tue	11166 70202 85231 27022 01279 and 11166 70202 23647 27023 02339	FSK 200/1000	(AB-POL)
F06	30-4	0800	9437	Tue	11100 00000 64930 27035 01019	FSK 200/1000	(AB)
F06	30-4	0810	7691	Tue	11100 00000 64930 27035 01019	FSK 200/1000	(AB-POL)
F06	30-4	1200	10388	Tue	11166 70202 85231 27022 01279 and 11166 70202 23647 27023 02339	FSK 200/1000	(AB)
F06	30-4	1210	8084	Tue	11166 70202 85231 27022 01279 and 11166 70202 23647 27023 02339	FSK 200/1000	(AB-POL)
F06	30-4	1220	6780	Tue	11166 70202 85231 27022 01279 and 11166 70202 23647 27023 02339	FSK 200/1000	(AB-POL)
F06	30-4	1230	19926	Tue	11166 30154 18930 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	30-4	1240	16049	Tue	11166 30154 18930 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	30-4	1250	14387	Tue	11166 30154 18930 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	30-4	1650	20971	Tue	11166 10053 18930 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	30-4	1700	15919	Tue	11166 10053 18930 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-4	1710	14386	Tue	11166 10053 18930 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06a	1-4	0700	11054	Mon	File 44485 (binary contents)	FSK 200/1000	(AB)
F06a	1-4	0715	8189	Mon	File 44485 (binary contents)	FSK 200/1000	(AB-POL)
F06a	1-4	0730	6952	Mon	File 44485 (binary contents)	FSK 200/1000	(AB-POL)
F06a	1-4	1200	10388	Mon	File 44485 (binary contents)	FSK 200/1000	(AB)
F06a	1-4	1215	8084	Mon	File 44485 (binary contents)	FSK 200/1000	(AB-POL)

F06a	1-4	1230	6780	Mon	File 44485 (binary contents)	FSK 200/1000	(AB-POL)
F06a	3-4	0700	11054	Wed	File 44488 (binary contents) Header 11166 70202 85467 02088 00009	FSK 200/1000	(AB)
F06a	3-4	0715	8189	Wed	File 44488 (binary contents) Header 11166 70202 85467 02088 00009	FSK 200/1000	(AB-POL)
F06a	3-4	0730	6952	Wed	File 44488 (binary contents) Header 11166 70202 85467 02088 00009	FSK 200/1000	(AB-POL)
F06a	3-4	1200	10388	Wed	File 44488 (binary contents) Header 11166 70202 85467 02088 00009	FSK 200/1000	(AB)
F06a	3-4	1215	8084	Wed	File 44488 (binary contents) Header 11166 70202 85467 02088 00009	FSK 200/1000	(AB-POL)
F06a	3-4	1230	6780	Wed	File 44488 (binary contents) Header 11166 70202 85467 02088 00009	FSK 200/1000	(AB-POL)
F06a	4-4	0400	5089	Thu	File 04427 (binary contents)	FSK 200/1000	(AB)
F06a	4-4	0415	5785	Thu	File 04427 (binary contents)	FSK 200/1000	(AB)
F06a	4-4	0430	6976	Thu	File 04427 (binary contents)	FSK 200/1000	(AB)
F06a	5-4	0400	5089	Fri	File 04427 (binary contents)	FSK 200/1000	(AB)
F06a	5-4	0415	5785	Fri	File 04427 (binary contents)	FSK 200/1000	(AB)
F06a	5-4	0430	6976	Fri	File 04427 (binary contents)	FSK 200/1000	(AB)
F06a	8-4	0700	11054	Mon	File 44491 (binary contents)	FSK 200/1000	(AB)
F06a	8-4	0715	8189	Mon	File 44491 (binary contents)	FSK 200/1000	(AB-POL)
F06a	8-4	0730	6952	Mon	File 44491 (binary contents)	FSK 200/1000	(AB-POL)
F06a	8-4	1200	10388	Mon	File 44491 (binary contents)	FSK 200/1000	(AB)
F06a	8-4	1215	8084	Mon	File 44491 (binary contents)	FSK 200/1000	(AB-POL)
F06a	8-4	1230	6780	Mon	File 44491 (binary contents)	FSK 200/1000	(AB-POL)
F06a	10-4	0700	11054	Wed	File 44494 (binary contents) Header 11166 70202 61548 09094 00009	FSK 200/1000	(AB)
F06a	10-4	0715	8189	Wed	File 44494 (binary contents) Header 11166 70202 61548 09094 00009	FSK 200/1000	(AB-POL)
F06a	10-4	0730	6952	Wed	File 44494 (binary contents) Header 11166 70202 61548 09094 00009	FSK 200/1000	(AB-POL)
F06a	10-4	1200	10388	Wed	File 44494 (binary contents) Header 11166 70202 61548 09094 00009	FSK 200/1000	(AB)
F06a	10-4	1215	8084	Wed	File 44494 (binary contents) Header 11166 70202 61548 09094 00009	FSK 200/1000	(AB-POL)
F06a	10-4	1230	6780	Wed	File 44494 (binary contents) Header 11166 70202 61548 09094 00009	FSK 200/1000	(AB-POL)
F06a	11-4	0400	5089	Thu	File 04428 (binary contents)	FSK 200/1000	(AB)
F06a	11-4	0415	5785	Thu	File 04428 (binary contents)	FSK 200/1000	(AB)
F06a	11-4	0430	6976	Thu	File 04428 (binary contents)	FSK 200/1000	(AB)
F06a	12-4	0400	5089	Fri	File 04428 (binary contents)	FSK 200/1000	(AB)
F06a	12-4	0415	5785	Fri	File 04428 (binary contents)	FSK 200/1000	(AB)
F06a	12-4	0430	6976	Fri	File 04428 (binary contents)	FSK 200/1000	(AB)
F06a	15-4	0700	11054	Mon	File 44497 (binary contents) Header 11166 70202 26598 12097 00009	FSK 200/1000	(AB)
F06a	15-4	0715	8189	Mon	File 44497 (binary contents) Header 11166 70202 26598 12097 00009	FSK 200/1000	(AB-POL)
F06a	15-4	0730	6952	Mon	File 44497 (binary contents) Header 11166 70202 26598 12097 00009	FSK 200/1000	(AB-POL)
F06a	15-4	1200	10388	Mon	File 44497 (binary contents) Header 11166 70202 26598 12097 00009	FSK 200/1000	(AB)
F06a	15-4	1215	8084	Mon	File 44497 (binary contents) Header 11166 70202 26598 12097 00009	FSK 200/1000	(AB-POL)
F06a	15-4	1230	6780	Mon	File 44497 (binary contents) Header 11166 70202 26598 12097 00009	FSK 200/1000	(AB-POL)
F06a	16-4	0500	10687	Tue	File 44438 (binary contents)	FSK 200/1000	(AB)
F06a	16-4	0515	7992	Tue	Message. Too weak to decode	FSK 200/1000	(AB)
F06a	16-4	1500	12211	Tue	File 44438 (binary contents)	FSK 200/1000	(AB)
F06a	16-4	1500	12211	Tue	File 44438 (binary contents)	FSK200/1000	(AB)
F06a	16-4	1515	10576	Tue	File 44438 (binary contents)	FSK200/1000	(AB)

F06a	16-4	1515	10576	Tue	File 44438 (binary contents)	FSK 200/1000	(AB)
F06a	16-4	1530	8075	Tue	File 44438 (binary contents)	FSK 200/1000	(AB)
F06a	17-4	0700	11054	Wed	File 44401 (binary contents)	FSK 200/1000	(AB)
F06a	17-4	0715	8189	Wed	File 44401 (binary contents)	FSK 200/1000	(AB-POL)
F06a	17-4	0730	6952	Wed	File 44401 (binary contents)	FSK 200/1000	(AB-POL)
F06a	18-4	0400	5089	Thu	File 04429 (binary contents)	FSK 200/1000	(AB)
F06a	18-4	0415	5785	Thu	File 04429 (binary contents)	FSK 200/1000	(AB)
F06a	18-4	0430	6976	Thu	File 04429 (binary contents)	FSK 200/1000	(AB)
F06a	18-4	0500	10687	Thu	File 44439 (binary contents) 11100 00000 36985 17039 00009	FSK 200/1000	(AB)
F06a	18-4	0515	7992	Thu	File 44439 (binary contents) 11100 00000 36985 17039 00009	FSK 200/1000	(AB)
F06a	18-4	1500	12211	Thu	File 44439 (binary contents) Header 11100 00000 36985 17039 00009	FSK200/1000	(AB)
F06a	18-4	1500	12211	Thu	File 44439 (binary contents) 11100 00000 36985 17039 00009	FSK 200/1000	(AB)
F06a	18-4	1515	10576	Thu	File 44439 (binary contents) 11100 00000 36985 17039 00009	FSK 200/1000	(AB)
F06a	18-4	1515	10576	Thu	File 44439 (binary contents) Header 11100 00000 36985 17039 00009	FSK200/1000	(AB)
F06a	18-4	1530	8075	Thu	File 44439 (binary contents) 11100 00000 36985 17039 00009	FSK 200/1000	(AB)
F06a	19-4	0400	5089	Fri	File 04429 (binary contents)	FSK 200/1000	(AB)
F06a	19-4	0415	5785	Fri	File 04429 (binary contents)	FSK 200/1000	(AB)
F06a	19-4	0430	6976	Fri	File 04429 (binary contents)	FSK 200/1000	(AB)
F06a	22-4	0700	11054	Mon	File 44404 (binary contents)	FSK 200/1000	(AB/PY)
F06a	22-4	0715	8185	Mon	File 44404 (binary contents)	FSK 200/1000	(Subilo)
F06a	22-4	0730	10388	Mon	File 44404 (binary contents)	FSK 200/1000	(Subilo)
F06a	23-4	0700	11054	Tue	File 44405 (binary contents)	FSK 200/1000	(AB/PY)
F06a	23-4	0715	8185	Tue	File 44405 (binary contents)	FSK 200/1000	(AB-S)
F06a	23-4	0730	6952	Tue	File 44405 (binary contents)	FSK 200/1000	(AB-S)
F06a	23-4	1200	10388	Tue	File 44405 (1843 bytes), binary file with empty text header	FSK 200/1000	(PY)
F06a	23-4	1200	10388	Tue	File 44405 (binary contents)	FSK 200/1000	(TM)
F06a	23-4	1300	15919	Tue	Files 44406 (753 bytes), 44407 (962 bytes), 44408 (431 bytes) Binary files with empty text headers	FSK 200/1000	(PY)
F06a	23-4	1315	11573	Tue	Files 44406 (753 bytes), 44407 (962 bytes), 44408 (431 bytes) Binary files with empty text headers	FSK 200/1000	(PY)
F06a	23-4	1330	10685	Tue	Files 44406 (753 bytes), 44407 (962 bytes), 44408 (431 bytes) Binary files with empty text headers	FSK 200/1000	(PY)
F06a	23-4	1415	11169	Tue	Files 44406 (753 bytes), 44407 (962 bytes), 44408 (431 bytes) Binary files with empty text headers	FSK 200/1000	(PY)
F06a	23-4	1430	9967	Tue	Files 44406 (753 bytes), 44407 (962 bytes), 44408 (431 bytes) Binary files with empty text headers	FSK 200/1000	(PY)
F06a	24-4	0700	11054	Wed	File 44409 (binary contents) Header 11166 70202 14785 23009 00009	FSK 200/1000	(AB/PY)
F06a	24-4	0715	8185	Wed	File 44409 (binary contents) Header 11166 70202 14785 23009 00009	FSK 200/1000	(AB-POL)
F06a	24-4	0730	6952	Wed	File 44409 (binary contents) Header 11166 70202 14785 23009 00009	FSK 200/1000	(AB-POL)
F06a	24-4	0900	12213	Wed	File 44410 (7159 bytes) 11166 70202 32145 23010 00009 followed by second, empty text header	FSK 200/1000	(PY)
F06a	24-4	0915	14929	Wed	File 44410 (7159 bytes) 11166 70202 32145 23010 00009 followed by second, empty text header	FSK 200/1000	(Pof)
F06a	24-4	0930	17537	Wed	File 44410 (7159 bytes) 11166 70202 32145 23010 00009 followed by second, empty text header	FSK 200/1000	(qsr711)
F06a	24-4	1200	10388	Wed	File 44409 (2535 bytes) 11166 70202 14785 23009 00009 followed by second, empty text header	FSK 200/1000	(PY)
F06a	24-4	1215	8084	Wed	File 44409 (2535 bytes) 11166 70202 14785 23009 00009 followed by second, empty text header	FSK 200/1000	(PY)
F06a	24-4	1230	6780	Wed	File 44409 (2535 bytes) 11166 70202 14785 23009 00009 followed by second, empty text header	FSK 200/1000	(PY)
F06a	24-4	1300	15919	Wed	Files 44411 (1647 bytes) 11166 70202 85246 23011 00009 and 44412 (1638 bytes) 11166 70202 98745 23012 00009 followed by second, empty tex	FSK 200/1000	(PY)

F06a	24-4	1315	11573	Wed	Files 44411 (1647 bytes) 11166 70202 85246 23011 00009 and 44412 (1638 bytes) 11166 70202 98745 23012 00009 followed by second, empty tex	FSK 200/1000	(PY)
F06a	24-4	1330	10685	Wed	Files 44411 (1647 bytes) 11166 70202 85246 23011 00009 and 44412 (1638 bytes) 11166 70202 98745 23012 00009 followed by second, empty tex	FSK 200/1000	(PY)
F06a	24-4	1415	11169	Wed	Files 44411 (1647 bytes) 11166 70202 85246 23011 00009 and 44412 (1638 bytes) 11166 70202 98745 23012 00009 followed by second, empty tex	FSK 200/1000	(PY)
F06a	24-4	1430	9967	Wed	Files 44411 (1647 bytes) 11166 70202 85246 23011 00009 and 44412 (1638 bytes) 11166 70202 98745 23012 00009 followed by second, empty tex	FSK 200/1000	(PY)
F06a	25-4	0400	5089	Thu	File 04430 (binary contents)	FSK 200/1000	(AB)
F06a	25-4	0415	5785	Thu	File 04430 (binary contents)	FSK 200/1000	(AB)
F06a	25-4	0430	6976	Thu	File 04430 (binary contents)	FSK 200/1000	(AB)
F06a	25-4	0700	11054	Thu	File 44413 (binary contents)	FSK 200/1000	(AB/PY)
F06a	25-4	0715	8185	Thu	File 44413 (binary contents)	FSK 200/1000	(AB-S)
F06a	25-4	0730	6952	Thu	File 44413 (binary contents)	FSK 200/1000	(AB-S)
F06a	25-4	0900	12213	Thu	Files 44414, 44415, 44416, 44417, 44418, 44419, 44420 (bnary file with empty text header)	FSK 200/1000	(PY)
F06a	25-4	0915	14929	Thu	Files 44414, 44415, 44416, 44417, 44418, 44419, 44420 (bnary file with empty text header)	FSK 200/1000	(PY)
F06a	25-4	0930	17537	Thu	Files 44414, 44415, 44416, 44417, 44418, 44419, 44420 (bnary file with empty text header)	FSK 200/1000	(PY)
F06a	25-4	1200	10388	Thu	File 44413 (1936 bytes), empty text header	FSK 200/1000	(PY)
F06a	26-4	0400	5089	Fri	File 04430 (binary contents)	FSK 200/1000	(AB)
F06a	26-4	0415	5785	Fri	File 04430 (binary contents)	FSK 200/1000	(AB)
F06a	26-4	0430	6976	Fri	File 04430 (binary contents)	FSK 200/1000	(AB)
F06a	27-4	0600	11464	Sat	File 04429 (binary contents)	FSK 200/1000	(PY)
F06a	27-4	0615	10231	Sat	File 04429 (binary contents)	FSK 200/1000	(PY)
F06a	27-4	0630	9070	Sat	File 04429 (binary contents)	FSK 200/1000	(PY)
F06a	29-4	0700	11054	Mon	File 44421 (binary contents)	FSK 200/1000	(AB/PY)
F06a	29-4	0715	8189	Mon	File 44421 (binary contents)	FSK 200/1000	(AB-S/PY)
F06a	29-4	0730	6952	Mon	File 44421 (binary contents)	FSK 200/1000	(AB-POL)
F06a	29-4	1200	10388	Mon	File 44421 (binary contents)	FSK 200/1000	(AB)
F06a	29-4	1215	8084	Mon	File 44421 (binary contents)	FSK 200/1000	(AB-POL/PY)
F06a	29-4	1230	6780	Mon	File 44421 (binary contents)	FSK 200/1000	(AB-POL)
F07	2-4	2000	14541	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	2-4	2010	13526	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	2-4	2020	12214	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	2-4	2030	11476	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	2-4	2040	10283	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	2-4	2050	9367	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	4-4	2000	14541	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-4	2010	13526	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-4	2020	12214	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-4	2030	11476	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-4	2040	10283	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-4	2050	9367	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

HM01	1-4	0455	10860	Mon	46267 65361 60676 73411 51078 75448 Files 30714626.TXT 73076536.TXT 50166067.F1C 32877341.TXT 02575107.TXT 05647544.TXT Callsign QWERTY01	AM/WinDRM	(AB)
HM01	1-4	0805	9065	Mon	46267 65361 60676 73411 51078 75448	AM/WinDRM	(AB)
HM01	1-4	1600	11435	Mon	46267 65361 60676 73411 51078 75448	AM/WinDRM	(AB)
HM01	1-4	2200	10715	Mon	46267 65361 60676 73411 51078 75448	AM/WinDRM	(RL)
HM01	2-4	0455	10860	Tue	83111 65362 60677 73412 68041 75449 Files 38678311.TXT 73076536.TXT 50166067.F1C 32877341.TXT 88146804.TXT 05647544.TXT Callsign QWERTY01	AM/WinDRM	(AB)
HM01	2-4	0630	10345	Tue	83111 65362 60677 73412 68041 75449	AM/WinDRM	(AB)
HM01	3-4	0510	10860	Wed	83112 65364 23261 73414 68042 88031 Files 38678311.TXT 73076536.TXT 36862326.F1G 32877341.TXT 88146804.TXT 50728803.F1C Callsign QWERTY01	AM/WinDRM	(AB)
HM01	4-4	0500	10860	Thu	83114 65366 23262 73416 68044 88033 Files 38678311.TXT 73076536.TXT 36862326.F1G 32877341.TXT 88146804.TXT 50728803.F1C Callsign QWERTY01	AM/WinDRM	(AB)
HM01	4-4	0627	10345	Thu	83114 65366 23262 73416 68044 88033	AM/WinDRM	(AB)
HM01	5-4	0626	10345	Fri	83115 65367 23263 73417 68045 88034 Files 38678311.TXT 73076536.TXT 36862326.F1G 32877341.TXT 88146804.TXT 50728803.F1C Callsign QWERTY01	AM/WinDRM	(AB-ANT)
HM01	5-4	2217	10715	Fri	83115 65367 23263 73417 68045 88034 i.p.	AM/WinDRM	(RL)
HM01	6-4	0511	10860	Sat	83116 14631 23264 73418 68046 88035 Files 38678311.TXT 86511463.TXT 36862326.F1G 32877341.TXT 88146804.TXT 50728803.F1C Callsign QWERTY01	AM/WinDRM	(AB-USA)
HM01	7-4	0605	10345	Sun	83117 14631 23265 26861 68047 88036 Files 38678311.TXT 86511463.TXT 36862326.F1G 02232686.TXT 88146804.TXT 50728803.F1C Callsign QWERTY01	AM/WinDRM	(AB-USA)
HM01	7-4	2230	10715	Sun	83117 14631 23265 26861 68047 88036 i.p.	AM/WinDRM	(RL)
HM01	8-4	0558	10345	Mon	83117 14631 23265 26861 68047 88036 (repeat of 7 April)	AM/WinDRM	(AB-USA)
HM01	9-4	0515	10860	Tue	83118 14632 23266 26861 68048 88037 Files 38678311.TXT 86511463.TXT 36862326.F1G 02232686.TXT 88146804.TXT 50728803.F1C Callsign QWERTY01	AM/WinDRM	(AB-USA)
HM01	10-4	0515	10860	Wed	83112 65364 23261 73414 68042 88031 (repeat of 3 April)	AM/WinDRM	(AB-USA)
HM01	10-4	0635	10345	Wed	83112 65364 23261 73414 68042 88031 (repeat of 3 April)	AM/WinDRM	(AB-USA)
HM01	10-4	0853	11435	Wed	83112 65364 23261 73414 68042 88031 (repeat of 3 April)	AM/WinDRM	(AB-USA)
HM01	10-4	2054	11635	Wed	Carrier followed by Radio Habana Cuba at 2057z instead of HM01.	AM/WinDRM	(AB-USA)
HM01	11-4	0457	10860	Thu	83114 65366 23262 73416 68044 88033 (repeat of 4 April)	AM/WinDRM	(AB-USA)
HM01	12-4	0500	10860	Fri	83115 65367 23263 73417 68045 88034 (repeat of 5 April)	AM/WinDRM	(AB-ANT)
HM01	13-4	0520	10860	Sat	46265 68139 60674 00779 51076 75446 (repeat of 30 March)	AM/WinDRM	(AB-USA)
HM01	14-4	0600	10345	Sun	46265 68139 60674 00779 51076 75446 (repeat of 30 March)	AM/WinDRM	(AB-USA)
HM01	15-4	0500	10860	Mon	10327 00451 44626 36161 58711 78616 Files 15141032.TXT 54130045.TXT 36734462.F1G 50183616.F1C 36805871.F1G 18207861.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
HM01	16-4	0510	10860	Tue	10327 00451 44626 36161 58711 78616 (repeat of 15 April)	AM/WinDRM	(AB-USA)
HM01	17-4	0510	10860	Wed	10327 00451 44626 36161 58711 78616 (repeat of 15 April)	AM/WinDRM	(AB-USA)
HM01	18-4	0510	10860	Thu	85181 00453 44628 36162 58712 03301 Files 34218518.TXT 54130045.TXT 36734462.F1G 50183616.F1C 36805871.F1G 50080330.TXT Callsign QWERTY0	AM/WinDRM	(AB-USA)
HM01	19-4	0501	10860	Fri	85182 00455 42441 36164 58712 03302 Files 34218518.TXT 54130045.TXT 36724244.F1G 50183616.F1C 36805871.F1G 50080330.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
HM01	20-4	0506	10860	Sat	85183 00456 42442 36165 58715 03303 Files 34218518.TXT 54130045.TXT 36724244.F1G 50183616.F1C 36805871.F1G 50080330.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)

HM01	21-4	0603	10345	Sun	85184 00457 42443 36166 58716 03304 Files 34218518.TXT 54130045.TXT 36724244.F1G 50183616.F1C 36805871.F1G 50080330.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
HM01	23-4	0600	10345	Tue	83119 14633 23267 26862 20261 88038 Files 34218518.TXT 54130045.TXT 36724244.F1G 50183616.F1C 85012026.TXT 50080330.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
HM01	24-4	0501	10860	Wed	10321 14634 23268 26863 20261 88039 Files 15141032.TXT 86511463.TXT 36862326.F1G 02232686.TXT 85012026.TXT 50728803.F1C Callsign QWERTY01	AM/WinDRM	(AB-USA)
HM01	25-4	0501	10860	Thu	10322 14636 44621 26865 20263 78611 Files 15141032.TXT 86511463.TXT 36734462.F1G 02232686.TXT 85012026.TXT 18207861.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
HM01	26-4	0500	10860	Fri	10323 14637 44622 26866 20264 78612 Files 15141032.TXT 86511463.TXT 36734462.F1G 02232686.TXT 85012026.TXT 18207861.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
HM01	27-4	0500	10860	Sat	Carrier till 0514z followed by Windows sounds and the groups 10324 14638 44623 26867 20265 78613 Files 15141032.TXT 86511463.TXT 36734462	AM/WinDRM	(AB-USA)
HM01	28-4	0603	10345	Sun	10325 14639 44624 26868 20266 78614 Files 15141032.TXT 86511463.TXT 36734462.F1G 02232686.TXT 85012026.TXT 18207861.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
HM01	29-4	0559	10860	Mon	10326 00451 44625 26869 20267 78615 Files 15141032.TXT 54130045.TXT 36734462.F1G 02232686.TXT 85012026.TXT 18207861.TXT Callsign QWERTY01	AM/WinDRM	(AB-USA)
HM01	30-4	0516	10860	Tue	10326 00451 44625 26869 20267 78615 (repeat of 29 April)	AM/WinDRM	(AB-USA)
HM01	30-4	0558	10345	Tue	10326 00451 44625 26869 20267 78615 (repeat of 29 April)	AM/WinDRM	(AB-USA)
M01	2-4	1800	5475	Tue	463 157 157 30 30 == 17652 76589 75643 ... 52618 75837 90981 == 157 157 30 30 000	CW	(AB-S)
M01	2-4	2000	5020	Tue	463 736 736 30 30 == 27635 81542 16259 ... 87461 74653 98098 == 736 736 30 30 000	CW	(AB)
M01	4-4	1800	5475	Thu	463 (too poor to copy)	CW	(AB)
M01	4-4	1800	5475	Thu	463 442 442 30 30 == 27135 62743 56274 ... 37531 64754 45261 == 442 44 30 30 00000	CW	(Subilo)
M01	4-4	2000	5020	Thu	463 408 408 30 30 == 37421 90587 57321 ... 72487 23516 71851 == 408 408 30 30 000	CW	(Subilo)
M01	6-4	1500	6260	Sat	463 730 730 30 30 == 28163 76329 84730 ... 85748 64735 64813 == 730 730 30 30 000	CW	(AB-S)
M01	7-4	0700	6510	Sun	463 524 524 30 30 == 61524 63547 83625 ... 61945 75036 43817 == 524 524 30 30 000. Sent 31 groups. Group 28 is a repeat of group 26.	CW	(AB-D)
M01	9-4	1800	5475	Tue	463 123 123 30 30 == largely unreadable	CW	(AB-S)
M01	9-4	2000	5020	Tue	463 786 786 30 30 == 14253 12634 13856 ... 38021 39123 30111 == 786 786 30 30 000	CW	(AB)
M01	11-4	1800	5475	Thu	463 (too poor to copy)	CW	(AB)
M01	11-4	2000	5020	Thu	463 354 354 30 30 == 12345 89089 67867 ... 70809 80908 54325 == 354 354 30 30 0000	CW	(AB)
M01	14-4	0700	6510	Sun	463 878 878 30 30 == 69789 14232 44553 ... 58990 46576 22765 == 878 878 30 30 000	CW	(AB-POL)
M01	16-4	1800	5475	Tue	463 486 486 30 30 == 38532 16475 43216 ... 75849 98987 67543 == 486 486 30 30 000	CW	(AB-S)
M01	16-4	2000	5020	Tue	463 102 102 30 30 == 14752 36574 65749 ... 57463 13245 67071 == 102 102 30 30 000	CW	(AB-D)
M01	18-4	1800	5475	Thu	463 441 441 30 30 == 20471 84738 72749 ... 81417 38295 83920 == 441 441 30 30 000 Sent only 29 groups	CW	(AB)
M01	18-4	2000	5020	Thu	463 917 917 30 30 == 58374 38475 28475 ... 84015 38256 35244 == 917 917 30 30 000	CW	(AB)
M01	21-4	0700	6510	Sun	463 837 837 30 30 == 74635 85763 90127 ... 64318 75613 63425 == 837 837 30 30 000	CW	(AB-POL)
M01	25-4	1800	5475	Thu	463 576 576 30 30 == 68879 25433 50933 ... 47655 23432 15342 == 576 576 30 30 000	CW	(AB)
M01	25-4	2000	5020	Thu	463 593 593 30 30 == 24312 35465 38676 ... 30966 37646 13321 == 598 598 30 30 000	CW	(AB)
M01	28-4	0700	6510	Sun	463 168 168 30 30 == 58492 74856 73854 ... 72946 74835 93045 == 168 168 30 30 000	CW	(AB-S)
M01	30-4	1800	5475	Tue	463 727 727 30 30 == 58274 82047 81517 ... 73820 62283 78294 == 727 727 30 30 000	CW	(AB-S)
M01	30-4	2000	5020	Tue	463 571 571 30 30 == 58365 74830 85014 ... 93041930 84710 937193714 == 571 571 30 30 000	CW	(AB-D)

M12	1-4	0010	14837	Mon	891 891 891 1 ...	CW	(HFD)
M12	1-4	0030	13937	Mon	891 891 891 1 ...	CW	(HFD)
M12	1-4	0050	12137	Mon	891 891 891 1 ...	CW	(HFD)
M12	1-4	1400	20971	Mon	932 932 932 000	CW	(AB)
M12	1-4	1420	20371	Mon	932 932 932 000	CW	(AB)
M12	1-4	2000	12139	Mon	234 234 234 000	CW	(AB/HFD)
M12	1-4	2020	11139	Mon	234 234 234 000	CW	(AB/HFD)
M12	2-4	0300	18767	Tue	742 742 742 1 ...	CW	(HFD)
M12	2-4	0320	17467	Tue	742 742 742 1 ...	CW	(HFD)
M12	2-4	0340	16267	Tue	742 742 742 1 ...	CW	(HFD)
M12	2-4	0800	9317	Tue	135 135 135 1 3336 84 3336 84 95566 33168 56370 ... 11720 41360 92726 000 000	CW	(AB-S)
M12	2-4	0820	10484	Tue	135 135 135 1 3336 84 3336 84 95566 33168 56370 ... 11720 41360 92726 000 000	CW	(AB)
M12	2-4	0840	11552	Tue	135 135 135 1 3336 84 3336 84 95566 33168 56370 ... 11720 41360 92726 000 000	CW	(AB)
M12	2-4	1800	12162	Tue	546 546 546 1 3437 54 3437 54 19237 72385 84772 ... 98285 44644 30125 000 000	CW	(AB)
M12	2-4	1820	11566	Tue	546 546 546 1 3437 54 3437 54 19237 72385 84772 ... 98285 44644 30125 000 000	CW	(AB)
M12	2-4	1840	10711	Tue	546 546 546 1 3437 54 3437 54 19237 72385 84772 ... 98285 44644 30125 000 000	CW	(AB)
M12	3-4	1900	13564	Wed	511 511 511 1 566 151 566 151 69348 69290 09051 ... 58580 29335 58735 000 000	CW	(AB/RL/HFD)
M12	3-4	1920	12164	Wed	511 511 511 1 566 151 566 151 69348 69290 09051 ... 58580 29335 58735 000 000	CW	(AB/RL/HFD)
M12	3-4	1940	11164	Wed	511 511 511 1 566 151 566 151 69348 69290 09051 ... 58580 29335 58735 000 000	CW	(AB/RL/HFD)
M12	3-4	2310	14723	Wed	792 792 792 1 5477 53 5477 53 09852 57412 70396 ... 78687 31602 90093 000 000	CW	(HFD)
M12	3-4	2330	13923	Wed	792 792 792 1 5477 53 5477 53 09852 57412 70396 ... 78687 31602 90093 000 000	CW	(PY/HFD)
M12	3-4	2350	12223	Wed	792 792 792 1 5477 53 5477 53 09852 57412 70396 ... 78687 31602 90093 000 000	CW	(PY/HFD)
M12	4-4	0800	9317	Thu	135 135 135 1 9872 89 9872 89 98110 14798 27350 ... 82924 49645 63152 000 000	CW	(AB-S)
M12	4-4	0820	10484	Thu	135 135 135 1 9872 89 9872 89 98110 14798 27350 ... 82924 49645 63152 000 000	CW	(AB)
M12	4-4	0840	11552	Thu	135 135 135 1 9872 89 9872 89 98110 14798 27350 ... 82924 49645 63152 000 000	CW	(AB)
M12	4-4	1400	20971	Thu	932 932 932 000	CW	(AB/HFD)
M12	4-4	1420	20371	Thu	932 932 932 000	CW	(AB/HFD)
M12	4-4	2000	12139	Thu	234 234 234 000	CW	(AB)
M12	4-4	2020	11139	Thu	234 234 234 000	CW	(AB)
M12	5-4	1900	13564	Fri	511 511 511 1 566 151 566 151 69348 69290 09051 ... 58580 29335 58735 000 000	CW	(AB)
M12	5-4	1920	12164	Fri	511 511 511 1 566 151 566 151 69348 69290 09051 ... 58580 29335 58735 000 000	CW	(AB)
M12	5-4	1940	11164	Fri	511 511 511 1 566 151 566 151 69348 69290 09051 ... 58580 29335 58735 000 000	CW	(AB)
M12	5-4	2100	7575	Fri	511 511 511 1 138 109 138 109 20294 00978 84961 ... 87290 24648 16573 000 000	CW	(AB/HFD)
M12	5-4	2120	8175	Fri	511 511 511 1 138 109 138 109 20294 00978 84961 ... 87290 24648 16573 000 000	CW	(AB/RL/HFD)
M12	5-4	2140	9175	Fri	511 511 511 1 138 109 138 109 20294 00978 84961 ... 87290 24648 16573 000 000	CW	(AB/RL/HFD)
M12	6-4	2100	7575	Sat	511 511 511 1 138 109 138 109 20294 00978 84961 ... 87290 24648 16573 000 000	CW	(AB)
M12	6-4	2120	8175	Sat	511 511 511 1 138 109 138 109 20294 00978 84961 ... 87290 24648 16573 000 000	CW	(AB)
M12	6-4	2140	9175	Sat	511 511 511 1 138 109 138 109 20294 00978 84961 ... 87290 24648 16573 000 000	CW	(AB)
M12	7-4	2310	14723	Sun	792 792 792 1 5477 53 5477 53 09852 57412 70396 ... 78687 31602 90093 000 000	CW	(RL)
M12	7-4	2330	13923	Sun	792 792 792 1 5477 53 5477 53 09852 57412 70396 ... 78687 31602 90093 000 000	CW	(RL)
M12	7-4	2350	12223	Sun	792 792 792 1 5477 53 5477 53 09852 57412 70396 ... 78687 31602 90093 000 000	CW	(RL)
M12	8-4	1400	20971	Mon	932 932 932 1 8985 79 8985 79 94699 92273 13460 ... 70815 34081 86836 000 000	CW	(AB)

M12	8-4	1420	20371	Mon	932 932 932 1 8985 79 8985 79 94699 92273 13460 ... 70815 34081 86836 000 000	CW	(AB)
M12	8-4	1440	19271	Mon	932 932 932 1 8985 79 8985 79 94699 92273 13460 ... 70815 34081 86836 000 000	CW	(AB)
M12	8-4	2000	12139	Mon	234 234 234 1 9946 106 9946 106 00629 44650 30013 ... 84661 18066 80840 000 000	CW	(AB/RL)
M12	8-4	2020	11139	Mon	234 234 234 1 9946 106 9946 106 00629 44650 30013 ... 84661 18066 80840 000 000	CW	(AB/RL)
M12	8-4	2040	10239	Mon	234 234 234 1 9946 106 9946 106 00629 44650 30013 ... 84661 18066 80840 000 000	CW	(AB/RL)
M12	9-4	0800	9317	Tue	135 135 135 1 7602 84 7602 84 34035 22902 24662 ... 41258 15638 09302 000 000	CW	(AB-S)
M12	9-4	0820	10484	Tue	135 135 135 1 7602 84 7602 84 34035 22902 24662 ... 41258 15638 09302 000 000	CW	(AB)
M12	9-4	0840	11552	Tue	135 135 135 1 7602 84 7602 84 34035 22902 24662 ... 41258 15638 09302 000 000	CW	(AB)
M12	9-4	1800	12162	Tue	546 546 546 1 4052 59 4052 59 14267 41318 30671 ... 66828 96133 53087 000 000	CW	(AB)
M12	9-4	1820	11566	Tue	546 546 546 1 4052 59 4052 59 14267 41318 30671 ... 66828 96133 53087 000 000	CW	(AB)
M12	9-4	1840	10711	Tue	546 546 546 1 4052 59 4052 59 14267 41318 30671 ... 66828 96133 53087 000 000	CW	(AB)
M12	10-4	1900	13564	Wed	511 511 511 1 566 151 566 151 69348 69290 09051 ... 58580 29335 58735 000 000	CW	(AB)
M12	10-4	1920	12164	Wed	511 511 511 1 566 151 566 151 69348 69290 09051 ... 58580 29335 58735 000 000	CW	(AB)
M12	10-4	1940	11164	Wed	511 511 511 1 566 151 566 151 69348 69290 09051 ... 58580 29335 58735 000 000	CW	(AB)
M12	10-4	2310	14723	Wed	792 729 729 1 500 23 500 23 88201 22658 39220 ... 44873 06675 44553 000 000	CW	(RL)
M12	10-4	2330	13923	Wed	792 729 729 1 500 23 500 23 88201 22658 39220 ... 44873 06675 44553 000 000	CW	(RL)
M12	10-4	2350	12223	Wed	792 729 729 1 500 23 500 23 88201 22658 39220 ... 44873 06675 44553 000 000	CW	(RL)
M12	11-4	0800	9317	Thu	135 135 135 1 9766 89 9766 89 12873 14351 41581 ... 08505 76039 78449 000 000	CW	(AB)
M12	11-4	0820	10484	Thu	135 135 135 1 9766 89 9766 89 12873 14351 41581 ... 08505 76039 78449 000 000	CW	(AB)
M12	11-4	0840	11552	Thu	135 135 135 1 9766 89 9766 89 12873 14351 41581 ... 08505 76039 78449 000 000	CW	(AB)
M12	11-4	1400	20971	Thu	932 932 932 1 8985 79 8985 79 94699 92273 13460 ... 70815 34081 86836 000 000	CW	(AB)
M12	11-4	1420	20371	Thu	932 932 932 1 8985 79 8985 79 94699 92273 13460 ... 70815 34081 86836 000 000	CW	(AB)
M12	11-4	1440	19271	Thu	932 932 932 1 8985 79 8985 79 94699 92273 13460 ... 70815 34081 86836 000 000	CW	(AB)
M12	11-4	2000	12139	Thu	234 234 234 1 9946 106 9946 106 00629 44650 30013 ... 84661 18066 80840 000 000	CW	(AB)
M12	11-4	2020	11139	Thu	234 234 234 1 9946 106 9946 106 00629 44650 30013 ... 84661 18066 80840 000 000	CW	(AB)
M12	11-4	2040	10239	Thu	234 234 234 1 9946 106 9946 106 00629 44650 30013 ... 84661 18066 80840 000 000	CW	(AB)
M12	12-4	1900	13564	Fri	511 511 511 1 566 151 566 151 69348 69290 09051 ... 58580 29335 58735 000 000	CW	(AB)
M12	12-4	1920	12164	Fri	511 511 511 1 566 151 566 151 69348 69290 09051 ... 58580 29335 58735 000 000	CW	(AB)
M12	12-4	1940	11164	Fri	511 511 511 1 566 151 566 151 69348 69290 09051 ... 58580 29335 58735 000 000	CW	(AB)
M12	12-4	2100	7575	Fri	511 511 511 1 8485 222 8485 222 10967 04260 96055 ... 32828 87914 47083 000 000	CW	(AB/RL)
M12	12-4	2120	8175	Fri	511 511 511 1 8485 222 8485 222 10967 04260 96055 ... 32828 87914 47083 000 000	CW	(AB/RL)
M12	12-4	2140	9175	Fri	511 511 511 1 8485 222 8485 222 10967 04260 96055 ... 32828 87914 47083 000 000	CW	(AB/RL)
M12	13-4	2100	7575	Sat	511 511 511 1 8485 222 8485 222 10967 04260 96055 ... 32828 87914 47083 000 000	CW	(AB/RL)
M12	13-4	2120	8175	Sat	511 511 511 1 8485 222 8485 222 10967 04260 96055 ... 32828 87914 47083 000 000	CW	(AB/RL)
M12	13-4	2140	9175	Sat	511 511 511 1 8485 222 8485 222 10967 04260 96055 ... 32828 87914 47083 000 000	CW	(AB/RL)
M12	14-4	2310	12223	Sun	792 729 729 1 500 23 88201 22658 39220 ... 44873 06675 44553 000 000	CW	(RL)
M12	14-4	2310	13923	Sun	792 729 729 1 500 23 88201 22658 39220 ... 44873 06675 44553 000 000	CW	(RL)
M12	14-4	2310	14723	Sun	792 729 729 1 500 23 88201 22658 39220 ... 44873 06675 44553 000 000	CW	(RL)
M12	15-4	1400	20971	Mon	932 932 932 000	CW	(AB)
M12	15-4	1420	20371	Mon	932 932 932 000	CW	(AB)
M12	15-4	2000	12139	Mon	234 234 234 000	CW	(AB)
M12	15-4	2020	11139	Mon	234 234 234 000	CW	(AB)

M12	16-4	1800	12162	Tue	546 546 546 1 2561 51 2561 51 53373 30740 05281 ... 58464 04974 19121 000 000	CW	(AB)
M12	16-4	1820	11566	Tue	546 546 546 1 2561 51 2561 51 53373 30740 05281 ... 58464 04974 19121 000 000	CW	(AB)
M12	16-4	1840	10711	Tue	546 546 546 1 2561 51 2561 51 53373 30740 05281 ... 58464 04974 19121 000 000	CW	(AB)
M12	17-4	1900	13564	Wed	511 511 511 000	CW	(AB)
M12	17-4	1920	12164	Wed	511 511 511 000	CW	(AB)
M12	18-4	1400	20971	Thu	932 932 932 000	CW	(AB)
M12	18-4	1420	20371	Thu	932 932 932 000	CW	(AB)
M12	18-4	2000	12139	Thu	234 234 234 000	CW	(AB)
M12	18-4	2020	11139	Thu	234 234 234 000	CW	(AB)
M12	19-4	1900	13564	Fri	511 511 511 000	CW	(AB)
M12	19-4	1920	12164	Fri	511 511 511 000	CW	(AB)
M12	19-4	2100	7575	Fri	511 511 511 1 8485 222 8485 222 10967 04260 96055 ... 32828 87914 47083 000 000	CW	(AB)
M12	19-4	2120	8175	Fri	511 511 511 1 8485 222 8485 222 10967 04260 96055 ... 32828 87914 47083 000 000	CW	(AB)
M12	19-4	2140	9175	Fri	511 511 511 1 8485 222 8485 222 10967 04260 96055 ... 32828 87914 47083 000 000	CW	(AB)
M12	20-4	2100	7575	Sat	511 511 511 1 8485 222 8485 222 10967 04260 96055 ... 32828 87914 47083 000 000	CW	(AB)
M12	20-4	2120	8175	Sat	511 511 511 1 8485 222 8485 222 10967 04260 96055 ... 32828 87914 47083 000 000	CW	(AB)
M12	20-4	2140	9175	Sat	511 511 511 1 8485 222 8485 222 10967 04260 96055 ... 32828 87914 47083 000 000	CW	(AB)
M12	22-4	2000	12139	Mon	234 234 234 1 442 181 442 181 86102 34582 45204 ... 13786 22509 27918 000 000	CW	(AB)
M12	22-4	2020	11139	Mon	234 234 234 1 442 181 442 181 86102 34582 45204 ... 13786 22509 27918 000 000	CW	(AB)
M12	22-4	2040	10239	Mon	234 234 234 1 442 181 442 181 86102 34582 45204 ... 13786 22509 27918 000 000	CW	(AB)
M12	24-4	1900	13564	Wed	511 511 511 1 5069 94 5069 94 95209 36790 99662 ... 19413 44569 74042 000 000	CW	(AB)
M12	24-4	1920	12164	Wed	511 511 511 1 5069 94 5069 94 95209 36790 99662 ... 19413 44569 74042 000 000	CW	(AB)
M12	24-4	1940	11164	Wed	511 511 511 1 5069 94 5069 94 95209 36790 99662 ... 19413 44569 74042 000 000	CW	(AB)
M12	25-4	1400	20971	Thu	932 932 932 1 329 83 329 83 05105 03416 51457 ... 32378 75942 47954 000 000	CW	(AB)
M12	25-4	1420	20371	Thu	932 932 932 1 329 83 329 83 05105 03416 51457 ... 32378 75942 47954 000 000	CW	(AB)
M12	25-4	1440	19271	Thu	932 932 932 1 329 83 329 83 05105 03416 51457 ... 32378 75942 47954 000 000	CW	(AB)
M12	25-4	2000	12139	Thu	234 234 234 1 442 181 442 181 86102 34582 45204 ... 13786 22509 27918 000 000	CW	(AB)
M12	25-4	2020	11139	Thu	234 234 234 1 442 181 442 181 86102 34582 45204 ... 13786 22509 27918 000 000	CW	(AB)
M12	25-4	2040	10239	Thu	234 234 234 1 442 181 442 181 86102 34582 45204 ... 13786 22509 27918 000 000	CW	(AB)
M12	26-4	1900	13564	Fri	511 511 511 1 5069 94 5069 94 95209 36790 99662 ... 19413 44569 74042 000 000	CW	(AB)
M12	26-4	1920	12164	Fri	511 511 511 1 5069 94 5069 94 95209 36790 99662 ... 19413 44569 74042 000 000	CW	(AB)
M12	26-4	1940	11164	Fri	511 511 511 1 5069 94 5069 94 95209 36790 99662 ... 19413 44569 74042 000 000	CW	(AB)
M12	26-4	2100	7575	Fri	511 511 511 1 5355 130 5355 130 00504 62753 81697 ... 26669 36117 81021 000 000	CW	(AB)
M12	26-4	2120	8175	Fri	511 511 511 1 5355 130 5355 130 00504 62753 81697 ... 26669 36117 81021 000 000	CW	(AB)
M12	26-4	2140	9175	Fri	511 511 511 1 5355 130 5355 130 00504 62753 81697 ... 26669 36117 81021 000 000	CW	(AB)
M12	27-4	2100	7575	Sat	511 511 511 1 5355 130 5355 130 00504 62753 81697 ... 26669 36117 81021 000 000	CW	(AB)
M12	27-4	2120	8175	Sat	511 511 511 1 5355 130 5355 130 00504 62753 81697 ... 26669 36117 81021 000 000	CW	(AB)
M12	27-4	2140	9175	Sat	511 511 511 1 5355 130 5355 130 00504 62753 81697 ... 26669 36117 81021 000 000	CW	(AB)
M12	29-4	1400	20971	Mon	932 932 932 000	CW	(AB)
M12	29-4	1420	20371	Mon	932 932 932 000	CW	(AB)
M12	29-4	2000	12139	Mon	234 234 234 000	CW	(AB)
M12	29-4	2020	11139	Mon	234 234 234 000	CW	(AB)

M12	30-4	1100	11519	Tue	289 289 289 1 3854 55 3854 55 78157 71098 53142 ... 22842 75710 10964 000 000	CW	(T101)
M12	30-4	1120	12194	Tue	289 289 289 1 3854 55 3854 55 78157 71098 53142 ... 22842 75710 10964 000 000	CW	(T101)
M12	30-4	1140	13407	Tue	289 289 289 1 3854 55 3854 55 78157 71098 53142 ... 22842 75710 10964 000 000	CW	(T101)
M12	30-4	1800	12162	Tue	546 546 546 1 5373 57 5373 57 65339 64077 59073 ... 50398 59335 14336 000 000	CW	(AB)
M12	30-4	1820	11566	Tue	546 546 546 1 5373 57 5373 57 65339 64077 59073 ... 50398 59335 14336 000 000	CW	(AB)
M12	30-4	1840	10711	Tue	546 546 546 1 5373 57 5373 57 65339 64077 59073 ... 50398 59335 14336 000 000	CW	(AB)
M14	1-4	0500	12211	Mon	952 804 804 53 53 == 72036 94424 03761 ... 16504 41535 79539 == 804 804 53 53 00000	CW	(AB-J)
M14	1-4	0520	10243	Mon	952 804 804 53 53 == 72036 94424 03761 ... 16504 41535 79539 == 804 804 53 53 00000	CW	(AB-J)
M14	2-4	0500	12211	Tue	952 804 804 53 53 == 72036 94424 03761 ... 16504 41535 79539 == 804 804 53 53 00000	CW	(AB-J)
M14	2-4	0520	10243	Tue	952 804 804 53 53 == 72036 94424 03761 ... 16504 41535 79539 == 804 804 53 53 00000	CW	(AB-J)
M14	3-4	0500	12211	Wed	952 371 28 == 51735 49281 27056 ... 74600 96274 77419 == 371 28 952 680 27 == 43795 62512 16840 ... 55334 85885 26728 == 680 27 00000	CW	(AB-J)
M14	3-4	0520	10243	Wed	952 371 28 == 51735 49281 27056 ... 74600 96274 77419 == 371 28 952 680 27 == 43795 62512 16840 ... 55334 85885 26728 == 680 27 00000	CW	(AB-J)
M14	3-4	0640	9463	Wed	801 427 427 59 59 == 34718 65571 65093 ... 50051 94896 8 off	CW	(AB)
M14	4-4	0500	12211	Thu	952 371 28 == 51735 49281 27056 ... 74600 96274 77419 == 371 28 952 680 27 == 43795 62512 16840 ... 55334 85885 26728 == 680 27 00000	CW	(AB-J)
M14	4-4	0520	10243	Thu	952 371 28 == 51735 49281 27056 ... 74600 96274 77419 == 371 28 952 680 27 == 43795 62512 16840 ... 55334 85885 26728 == 680 27 00000	CW	(AB-J)
M14	4-4	0640	9463	Thu	801 (R41m)	CW	(AB)
M14	5-4	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	5-4	0521	10243	Fri	952 952 952 00000. Late start. Carrier only after 3 mins	CW	(AB-J)
M14	5-4	0630	9463	Fri	801 694 694 55 55 == 51326 86106 13616 ... 27780 63488 11317 == 694 694 55 55 00000	CW	(AB)
M14	8-4	0500	12211	Mon	952 347 347 56 56 == 06062 90348 95342 ... 84059 52928 46323 == 347 347 56 56 00000	CW	(AB-J)
M14	8-4	0520	10243	Mon	952 347 347 56 56 == 06062 90348 95342 ... 84059 52928 46323 == 347 347 56 56 00000	CW	(AB-J)
M14	9-4	0500	12211	Tue	952 347 347 56 56 == 06062 90348 95342 ... 84059 52928 46323 == 347 347 56 56 (no closing nulls)	CW	(AB-J)
M14	9-4	0520	10243	Tue	952 (R4m) then off	CW	(AB-J)
M14	9-4	0714	9463	Tue	801 726 726 59 59 == 73598 17275 25854 ... 29676 61901 06311 == 726 726 59 59 00000	CW	(AB)
M14	10-4	0500	12211	Wed	952 168 24 == 74898 24049 90777 ... 58410 30876 79381 == 168 24 952 430 25 == 47419 04571 84970 ... 49224 86555 63441 == 430 430 25 2	CW	(AB-J)
M14	10-4	0520	10243	Wed	952 168 24 == 74898 24049 90777 ... 58410 30876 79381 == 168 24 952 430 25 == 47419 04571 84970 ... 49224 86555 63441 == 430 430 25 2	CW	(AB-J)
M14	10-4	0930	17458	Wed	617 617 617 00000	CW	(AB)
M14	11-4	0500	12211	Thu	952 168 24 == 74898 24049 90777 ... 58410 30876 79381 == 168 24 952 430 25 == 47419 04571 84970 ... 49224 86555 63441 == 430 430 25 2	CW	(AB-J)
M14	12-4	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	12-4	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
M14	16-4	0500	12211	Tue	952 871 871 56 56 == 51762 68291 80143 ... 35136 19898 90599 == => 871 871 56 56 00000	CW	(AB-J)
M14	16-4	0520	10243	Tue	952 871 871 56 56 == 51762 68291 80143 ... 35136 19898 90599 == => 871 871 56 56 00000	CW	(AB-J)
M14	17-4	0500	12211	Wed	952 603 25 == 39093 47274 14659 ... 98146 45332 11511 == 603 25 952 748 31 == 93209 40844 34529 ... 91362 36385 15496 == 748 731 0000	CW	(AB-J)

M14	17-4	0520	10243	Wed	952 603 25 = = 39093 47274 14659 ... 98146 45332 11511 = = 603 25 952 748 31 = = 93209 40844 34529 ... 91362 36385 15496 = = 748 731 0000	CW	(AB-J)
M14	18-4	0500	12211	Thu	952 603 25 = = 39093 47274 14659 ... 98146 45332 11511 = = 603 25 952 748 31 = = 93209 40844 34529 ... 91362 36385 15496 = = 748 731 0000	CW	(AB-J)
M14	18-4	0520	10243	Thu	952 603 25 = = 39093 47274 14659 ... 98146 45332 11511 = = 603 25 952 748 31 = = 93209 40844 34529 ... 91362 36385 15496 = = 748 731 0000	CW	(AB-J)
M14	19-4	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	19-4	0520	10243	Fri	952 952 952 00000	CW	(Subilo)
M14	22-4	0500	12211	Mon	952 316 316 57 57 = = 64385 49521 67196 ... 51754 28282 22373 = = 316 316 57 57 00000	CW	(AB-J)
M14	22-4	0520	10243	Mon	952 316 316 57 57 = = 64385 49521 67196 ... 51754 28282 22373 = = 316 316 57 57 00000	CW	(AB-J)
M14	23-4	0500	12211	Tue	952 316 316 57 57 = = 64385 49521 67196 ... 51754 28282 22373 = = 316 316 57 57 00000	CW	(AB-J)
M14	23-4	0520	10243	Tue	952 316 316 57 57 = = 64385 49521 67196 ... 51754 28282 22373 = = 316 316 57 57 00000	CW	(AB-J)
M14	24-4	0500	12211	Wed	952 (inverted morse) 480 480 51 51 = = 64385 49521 67196 ... 65049 79935 08239 = = 480 480 51 51 (no closing nulls)	CW	(AB-J)
M14	24-4	0522	10243	Wed	952 480 480 51 51 = = 64385 49521 67196 ... 65049 79935 08239 = = 480 480 51 51 00000 Late start	CW	(AB-J)
M14	25-4	0500	12211	Thu	952 480 480 51 51 = = 64385 49521 67196 ... off after group 29 after several hiccups	CW	(AB-J)
M14	25-4	0520	10243	Thu	952 480 480 51 51 = = 64385 49521 67196 ... 65049 79935 08239 = = 480 480 51 51 00000	CW	(AB-J)
M14	25-4	0930	17458	Thu	617 617 617 00000	CW	(AB)
M14	26-4	0500	12211	Fri	952 952 952 00000	CW	(AB-J)
M14	26-4	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
M23	1-4	0257	5198	Mon	Hourly beep	CW	(AB)
M23	1-4	1557	18412	Mon	Hourly beep	CW	(AB)
M23	2-4	0357	5198	Tue	Hourly beep	CW	(AB)
M23	2-4	1157	18412	Tue	Hourly beep	CW	(AB)
M23	8-4	0257	5198	Mon	Hourly beep	CW	(AB)
M23	8-4	0957	18412	Mon	Hourly beep	CW	(AB)
M23	10-4	1556	18412	Wed	Hourly beep	CW	(AB)
M23	10-4	1656	5198	Wed	Hourly beep	CW	(AB)
M23	15-4	0956	5198	Mon	Hourly beep	CW	(AB)
M23	15-4	0956	18412	Mon	Hourly beep	CW	(AB)
M32	16-4	0925	16112	Tue	RDL RDL RDL 31397 55056 31397 55056 31397 55056 K	FSK CW	(AB)
M32	16-4	0936	16112	Tue	RDL RDL RDL 35717 02451 35717 02451 35717 02451 K	FSK CW	(AB)
M32	16-4	0944	16112	Tue	RDL RDL RDL 35138 96464 35138 96464 35138 96464 K	FSK CW	(AB)
M32	16-4	0946	16112	Tue	RDL RDL RDL 75334 68572 75334 68572 75334 68572 K	FSK CW	(AB)
M32	16-4	1103	16112	Tue	RDL RDL RDL 92479 89245 92479 89245 92479 89245 K	FSK CW	(AB)
M32	16-4	1131	16112	Tue	RDL RDL RDL 16182 06822 16182 06822 16182 06822 K	FSK CW	(AB)
M42	2-4	1659	18435	Tue	Russian diplo	MFSK-66	(AB/RO)
M42	3-4	1106	14653	Wed	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	3-4	1107	20412	Wed	Russian diplo	Serdolik v2	(RO)
M42	3-4	1108	17443	Wed	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	3-4	1109	17440	Wed	Russian diplo	Serdolik v2	(AB/RO)

M42	3-4	1118	12182	Wed	UAL UAL UAL MFA Moscow. Header 11100 60102 47102 03007 02009	CW + FSK 100/500	(AB)
M42	3-4	1252	18755	Wed	Russian diplo	MFSK-66	(T101)
M42	3-4	1334	18755	Wed	Russian diplo	MFSK-66	(RO)
M42	4-4	0700	19511	Thu	Russian diplo	Serdolik v2	(Moon)
M42	4-4	0724	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	4-4	0729	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	4-4	0732	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	4-4	0736	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	4-4	0739	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	4-4	0746	17521	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	4-4	0750	16028	Thu	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	4-4	0751	16026	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	4-4	0753	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	4-4	0800	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	4-4	0807	16026	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	4-4	0817	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	4-4	0822	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	4-4	0832	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	4-4	0834	16313	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	4-4	0840	16313	Thu	Russian diplo. Test	Serdolik v2	(AB)
M42	4-4	0849	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	4-4	0850	16313	Thu	Russian diplo	Serdolik v2	(AB)
M42	4-4	0900	16313	Thu	Russian diplo	Serdolik v2	(RO)
M42	4-4	0925	20844	Thu	Russian diplo	MFSK-66	(RO)
M42	4-4	1300	16156	Thu	Moscow message to UAG: Havanna. Header: 11100 70103 12354 04064 04009	FSK CW + FSK 75/500	(MCO)
M42	8-4	0808	14846	Mon	Russian diplo. Selcal	Serdolik v2	(RO)
M42	8-4	0810	14846	Mon	Russian diplo. Selcal	Serdolik v2	(RO)
M42	8-4	0813	14846	Mon	Russian diplo. Selcal	Serdolik v2	(RO)
M42	8-4	0821	17466	Mon	Russian diplo	Serdolik v2	(T101)
M42	8-4	0922	19273	Mon	Russian diplo. Selcal	Serdolik v2	(RO)
M42	11-4	1004	18220	Thu	Russian diplo. Selcal	Serdolik v2	(T101)
M42	11-4	1300	16156	Thu	UAL UAL UAL K. Header 11100 70103 13467 11069 04009	FSK CW + FSK 75/500	(AB)
M42	11-4	1617	14478	Thu	Russian diplo. Selcal	Serdolik v2	(T101)
M42	12-4	0851	10431	Fri	Russian diplo	MFSK-66	(T101)
M42	12-4	0851	12195	Fri	Russian diplo	MFSK-66	(T101)
M42	15-4	0651	10414	Mon	Russian diplo	MFSK-66	(T101)
M42	15-4	0909	13473	Mon	Russian diplo	MFSK-66	(T101)
M42	16-4	0838	14801	Tue	Russian diplo	MFSK-66	(AB/T101)
M42	16-4	0847	19142	Tue	Russian diplo	Serdolik v2	(AB/RO)
M42	18-4	0724	19511	Thu	Russian diplo	MFSK-66	(RO)
M42	18-4	0726	21825	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	18-4	0727	16262	Thu	Russian diplo. Selcal	Serdolik v2	(RO)

M42	18-4	0730	16315	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	18-4	0732	21825	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	18-4	0734	16315	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	18-4	0741	16315	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	18-4	0752	17521	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	18-4	0801	17519	Thu	Russian diplo	Serdolik v2	(RO)
M42	18-4	0815	17519	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	18-4	0834	21824	Thu	Russian diplo. Selcal	Serdolik v2	(T101)
M42	18-4	0836	11474	Thu	Russian diplo. Selcal	Serdolik v2	(AB/T101)
M42	18-4	0840	14474	Thu	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	18-4	0912	20937	Thu	Russian diplo	MFSK-66	(RO)
M42	18-4	0946	20837	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(Moon)
M42	18-4	1300	16156	Thu	UAL: MFA Moscow message to UAG: Russian embassy Havana. Header 11100 70103 15896 18072 04009	FSK CW + FSK 75/500	(AB)
M42	18-4	1300	18726	Thu	UAG: Russian embassy Havana message to UAL: MFA Moscow. Header 11100 70103 74289 18072 04003	FSK CW + FSK 100/500	(AB-USA)
M42	19-4	0818	12164	Fri	Russian diplo. Selcal	Serdolik v2	(RO)
M42	19-4	0821	12166	Fri	Russian diplo. Selcal	Serdolik v2	(RO)
M42	19-4	0840	14828	Fri	Russian diplo	Serdolik v2	(RO)
M42	19-4	0845	14828	Fri	Russian diplo	Serdolik v2	(RO)
M42	19-4	0855	14826	Fri	Russian diplo. Selcal	Serdolik v2	(RO)
M42	19-4	0857	14828	Fri	Russian diplo	Serdolik v2	(RO)
M42	19-4	1016	18322	Fri	Russian diplo	Serdolik v2	(RO)
M42	19-4	1318	12218	Fri	Russian diplo	MFSK-66	(AB)
M42	24-4	0755	11562	Wed	Russian diplo	Serdolik v2	(RO)
M42	24-4	0803	18316	Wed	Russian diplo	Serdolik v2	(RO)
M42	24-4	0804	11166	Wed	Russian diplo	MFSK-66	(RO)
M42	24-4	0806	11562	Wed	Russian diplo	Serdolik v2	(RO)
M42	25-4	0834	16062	Thu	Russian diplo	Serdolik v2	(RO)
M42	25-4	1300	16156	Thu	UAL: MFA Moscow message to UAG: Russian embassy Havana. Too weak to decode	FSK CW + FSK 75/500	(AB)
M42b	1-4	1230	12212	Mon	K4MT K4MT K4MT DE NT9P NT9P K. Header 321 100 1 1230 5476 =	CW + FSK 50/500	(AB)
M42b	3-4	1142	10352	Wed	NT9P NT9P NT9P DE K4MT K4MT QSA3 QSA? K. Header 951 100 3 1135 1234 =	CW + FSK 50/500	(AB)
M42b	4-4	0830	10352	Thu	NT9P NT9P NT9P DE K4MT K4MT K. Header 953 100 4 0830 4374 =	CW + FSK 50/500	(AB)
M42b	5-4	1230	12212	Fri	K4MT K4MT K4MT DE NT9P NT9P K. Header 346 100 5 1227 707.=	CW + FSK 50/500	(AB)
M42b	11-4	1340	10352	Thu	NT9P NT9P NT9P DE K4MT K4MT K Header 789 100 11 1335 9284 =	CW + FSK 50/500	(AB)
M42b	12-4	1230	12212	Fri	K4MT K4MT K4MT DE NT9P NT9P K. Header 154 100 12 1230 1656 =	CW + FSK 50/500	(AB)
M42b	12-4	1237	10352	Fri	NT9P NT9P NT9P DE K4MT K4MT K. Header 214 100 12 1237 6416 =	CW + FSK 50/500	(AB)
M42b	14-4	0653	6508	Sun	R 773 0653 K. QCT1 ZZC K. RTTY was too poor to copy. CFM NIL SK	CW + 50bd/36Hz FSK	(AB)
M42b	15-4	1227	12212	Mon	VVV K4MT K4MT K4MT DE NT9P NT9P K. Header 837 100 15 1230 7409 =	CW + FSK 50/500	(AB)
M42b	19-4	1230	12212	Fri	K4MT K4MT K4MT DE NT9P NT9P	CW	(AB)
M42b	25-4	1120	10352	Thu	NT9P NT9P NT9P DE K4MT K4MT K. Header 300 100 25 1110 4844 ==	CW + FSK 50/500	(AB)
M42b	25-4	1230	12212	Thu	K4MT K4MT K4MT DE NT9P NT9P K. Header 846 100 25 1228 8618	CW + FSK 50/500	(AB)

M51b	26-4	1718	3881	Fri	Non-stop 5-character groups composed of FAV22 messages //6825 kHz	CW	(AB)
M51b	26-4	1718	6825	Fri	Non-stop 5-character groups composed of FAV22 messages //3381 kHz	CW	(AB)
MX	4-4	1413	16331.7	Thu	Beacon D, Sevastopol	CW	(AB)
MX	4-4	1413	16331.9	Thu	Beacon S, Sevormorsk	CW	(AB)
MX	4-4	1413	16332	Thu	Beacon C, Moscow	CW	(AB)
MX	4-4	1413	16332.1	Thu	Beacon A, Astrakhan	CW	(AB)
MX	4-4	1415	20047.7	Thu	Beacon D, Sevastopol	CW	(AB)
MX	4-4	1415	20047.9	Thu	Beacon S, Sevormorsk	CW	(AB)
MX	4-4	1417	10871.7	Thu	Beacon D, Sevastopol	CW	(AB)
MX	4-4	1417	10871.8	Thu	Beacon P, Kaliningrad	CW	(AB)
MX	4-4	1417	10871.9	Thu	Beacon S, Sevormorsk	CW	(AB)
MX	4-4	1417	10872.1	Thu	Beacon A, Astrakhan	CW	(AB)
MX	4-4	1419	13527.7	Thu	Beacon D, Sevastopol	CW	(AB)
MX	4-4	1419	13527.9	Thu	Beacon S, Sevormorsk	CW	(AB)
MX	4-4	1420	8494.7	Thu	Beacon D, Sevastopol	CW	(AB)
MX	4-4	1420	8494.9	Thu	Beacon S, Sevormorsk	CW	(AB)
MX	4-4	1422	7508.7	Thu	Beacon D, Sevastopol	CW	(AB)
MX	4-4	1422	7508.9	Thu	Beacon S, Sevormorsk	CW	(AB)
MX	4-4	1422	7509	Thu	Beacon C, Moscow	CW	(AB)
MX	4-4	1545	5156.8	Thu	Beacon L, St Petersburg	CW	(AB)
MX	4-4	1545	8497.8	Thu	Beacon L, St Petersburg	CW	(AB)
MX	4-4	1546	4031	Thu	Beacon V	CW	(AB)
MX	7-4	1702	5156.8	Sun	Beacon L, St Petersburg	CW	(AB)
MX	7-4	1702	8497.8	Sun	Beacon L, St Petersburg	CW	(AB)
MX	10-4	0605	20048.3	Wed	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-J)
MX	10-4	0605	20048.4	Wed	Beacon M, Magadan	CW	(AB-J)
MX	10-4	0606	16332.1	Wed	Beacon A, Astrakhan	CW	(AB-J)
MX	10-4	0606	16332.3	Wed	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-J)
MX	10-4	0606	16332.4	Wed	Beacon M, Magadan	CW	(AB-J)
MX	10-4	0608	13527.3	Wed	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-J)
MX	10-4	0609	10872.2	Wed	Beacon F, Vladivostok	CW	(AB-J)
MX	10-4	0609	10872.4	Wed	Beacon M, Magadan	CW	(AB-J)
P03	3-4	0950	12153	Wed	Polish intel.	PSK	(AB)
P03	3-4	0955	12153	Wed	Polish intel.	PSK	(AB)
P03	3-4	1100	9371	Wed	Polish intel.	PSK	(AB)
P03	3-4	1105	9371	Wed	Polish intel.	PSK	(AB)
P03	6-4	1310	10213	Sat	Polish intel.	PSK	(AB)
P03	6-4	1315	10213	Sat	Polish intel.	PSK	(AB)
P03	7-4	1245	5176	Sun	Polish intel.	PSK	(AB)
P03	7-4	1250	5176	Sun	Polish intel.	PSK	(AB)
P03	9-4	1100	9371	Tue	Polish intel.	PSK	(AB)
P03	9-4	1105	9371	Tue	Polish intel.	PSK	(AB)

P03	10-4	0950	12153	Wed	Polish intel.	PSK	(AB)
P03	10-4	0955	12153	Wed	Polish intel.	PSK	(AB)
P03	10-4	1100	9371	Wed	Polish intel.	PSK	(AB)
P03	10-4	1105	9371	Wed	Polish intel.	PSK	(AB)
P03	10-4	1310	10213	Wed	Polish intel.	PSK	(AB)
P03	10-4	1315	10213	Wed	Polish intel.	PSK	(AB)
P03	13-4	1245	5176	Sat	Polish intel.	PSK	(AB)
P03	13-4	1250	5176	Sat	Polish intel.	PSK	(AB)
P03	13-4	1310	10213	Sat	Polish intel.	PSK	(AB)
P03	13-4	1315	10213	Sat	Polish intel.	PSK	(AB)
P03	14-4	1245	5176	Sun	Polish intel.	PSK	(AB)
P03	14-4	1250	5176	Sun	Polish intel.	PSK	(AB)
P03	16-4	1100	9371	Tue	Polish intel.	PSK	(AB)
P03	16-4	1105	9371	Tue	Polish intel.	PSK	(AB)
P03	17-4	0950	12153	Wed	Polish intel.	PSK	(AB)
P03	17-4	0955	12153	Wed	Polish intel.	PSK	(AB)
P03	17-4	1100	9371	Wed	Polish intel.	PSK	(AB)
P03	17-4	1105	9371	Wed	Polish intel.	PSK	(AB)
P03	17-4	1310	10213	Wed	Polish intel.	PSK	(AB)
P03	17-4	1315	10213	Wed	Polish intel.	PSK	(AB)
P03	18-4	1950	7749	Thu	Polish intel.	PSK	(AB)
P03	18-4	1955	7749	Thu	Polish intel.	PSK	(AB)
P03	19-4	1100	7850	Fri	Polish intel.	PSK	(AB)
P03	19-4	1105	7850	Fri	Polish intel.	PSK	(AB)
P03	20-4	1310	10213	Sat	Polish intel.	PSK	(AB)
P03	20-4	1315	10213	Sat	Polish intel.	PSK	(AB)
P03	21-4	1020	6849	Sun	Polish intel.	PSK	(AB)
P03	21-4	1025	6849	Sun	Polish intel.	PSK	(AB)
P03	21-4	1100	7850	Sun	Polish intel.	PSK	(AB)
P03	21-4	1105	7850	Sun	Polish intel.	PSK	(AB)
P03	21-4	1220	20167	Sun	Polish intel.	PSK	(AB)
P03	21-4	1225	20167	Sun	Polish intel.	PSK	(AB)
P03	21-4	1245	5176	Sun	Polish intel.	PSK	(AB)
P03	21-4	1250	5176	Sun	Polish intel.	PSK	(AB)
P03	21-4	1725	13873	Sun	Polish intel.	PSK	(AB)
P03	21-4	1730	13873	Sun	Polish intel.	PSK	(AB)
P03	21-4	1950	7749	Sun	Polish intel.	PSK	(AB)
P03	21-4	1955	7749	Sun	Polish intel.	PSK	(AB)
P03	24-4	0950	12153	Wed	Polish intel.	PSK	(AB)
P03	24-4	0955	12153	Wed	Polish intel.	PSK	(AB)
P03	24-4	1100	9371	Wed	Polish intel.	PSK	(AB)
P03	24-4	1105	9371	Wed	Polish intel.	PSK	(AB)

P03	24-4	1310	10213	Wed	Polish intel.	PSK	(AB)
P03	24-4	1315	10213	Wed	Polish intel.	PSK	(AB)
P03	25-4	1950	7749	Thu	Polish intel.	PSK	(AB)
P03	25-4	1955	7749	Thu	Polish intel.	PSK	(AB)
P03	26-4	1100	7850	Fri	Polish intel.	PSK	(AB)
P03	26-4	1105	7850	Fri	Polish intel.	PSK	(AB)
P03	26-4	1515	18405	Fri	Polish intel.	PSK	(AB)
P03	26-4	1520	18405	Fri	Polish intel.	PSK	(AB)
P03	27-4	1310	10213	Sat	Polish intel.	PSK	(AB)
P03	27-4	1315	10213	Sat	Polish intel.	PSK	(AB)
P03	28-4	1020	6849	Sun	Polish intel.	PSK	(TM)
P03	28-4	1025	6849	Sun	Polish intel.	PSK	(TM)
P03	28-4	1100	7850	Sun	Polish intel.	PSK	(AB)
P03	28-4	1105	7850	Sun	Polish intel.	PSK	(AB)
P03	28-4	1245	5176	Sun	Polish intel.	PSK	(TM)
P03	28-4	1250	5176	Sun	Polish intel.	PSK	(TM)
P03	28-4	1515	18405	Sun	Polish intel.	PSK	(AB)
P03	28-4	1520	18405	Sun	Polish intel.	PSK	(AB)
P03	28-4	1725	13873	Sun	Polish intel.	PSK	(AB)
P03	28-4	1730	13873	Sun	Polish intel.	PSK	(AB)
P03	28-4	1950	7749	Sun	Polish intel.	PSK	(AB)
P03	28-4	1955	7749	Sun	Polish intel.	PSK	(AB)
P03	29-4	1220	20167	Mon	Polish intel.	PSK	(AB)
P03	29-4	1225	20167	Mon	Polish intel.	PSK	(AB)
P03	30-4	1100	9371	Tue	Polish intel.	PSK	(AB)
P03	30-4	1105	9371	Tue	Polish intel.	PSK	(AB)
P03g	2-4	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	2-4	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	4-4	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	4-4	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	9-4	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	9-4	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	11-4	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	11-4	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-4	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-4	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	18-4	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	18-4	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-4	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-4	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-4	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-4	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)

P03i	2-4	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	2-4	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	4-4	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	4-4	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	9-4	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	9-4	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	11-4	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	11-4	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	16-4	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	16-4	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	18-4	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	18-4	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	23-4	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	23-4	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	25-4	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	25-4	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	30-4	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(TM)
P03i	30-4	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(TM)
P03k	3-4	1730	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-4	1735	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-4	1730	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-4	1735	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-4	1730	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-4	1735	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-4	1730	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-4	1735	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-4	1730	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-4	1735	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-4	0630	9168	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-4	0635	9168	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-4	1730	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-4	1735	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-4	0630	9168	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-4	0635	9168	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-4	1730	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-4	1735	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-4	0630	9168	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-4	0635	9168	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-4	1730	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-4	1735	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-4	0630	9168	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-4	0635	9168	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	30-4	1230	19515	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-4	1235	19515	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03I	4-4	1200	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-4	1205	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5-4	1345	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	5-4	1350	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-4	1200	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-4	1205	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-4	1345	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-4	1350	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-4	1200	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-4	1205	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-4	1345	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	12-4	1350	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-4	1200	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-4	1205	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-4	1345	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-4	1350	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-4	1200	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-4	1205	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-4	1345	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-4	1350	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-4	1345	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-4	1350	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-4	1200	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-4	1205	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-4	1345	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-4	1350	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-4	1200	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-4	1205	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	3-4	1400	10446	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-4	1410	9379	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-4	1420	9109	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-4	1430	8166	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-4	1440	7718	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	3-4	1450	6969	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-4	1400	10446	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-4	1410	9379	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-4	1420	9109	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-4	1430	8166	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-4	1440	7718	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-4	1450	6969	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	10-4	1400	10446	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-4	1410	9379	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-4	1420	9109	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-4	1430	8166	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-4	1440	7718	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	10-4	1450	6969	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-4	1410	9379	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-4	1410	10446	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-4	1420	9109	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-4	1430	8166	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-4	1440	7718	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-4	1450	6969	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-4	1400	10446	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-4	1410	9379	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-4	1420	9109	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-4	1430	8166	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-4	1440	7718	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	17-4	1450	6969	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-4	1410	9379	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-4	1410	10446	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-4	1420	9109	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-4	1430	8166	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-4	1440	7718	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-4	1450	6969	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-4	0400	10378	Mon	Russian intel. P07 variant, no callup, no BPSK bursts, 4m46s	QPSK	(PY)
P07	22-4	0410	11078	Mon	Russian intel. P07 variant, no callup, no BPSK bursts, 4m46s	QPSK	(PY)
P07	22-4	0420	11478	Mon	Russian intel. P07 variant, no callup, no BPSK bursts, 4m46s	QPSK	(PY)
P07	22-4	0430	12178	Mon	Russian intel. P07 variant, no callup, no BPSK bursts, 4m46s	QPSK	(PY)
P07	22-4	0440	13378	Mon	Russian intel. P07 variant, no callup, no BPSK bursts, 4m46s	QPSK	(PY)
P07	22-4	0450	13978	Mon	Russian intel. P07 variant, no callup, no BPSK bursts, 4m46s	QPSK	(PY)
P07	24-4	0400	10378	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 1m30s	QPSK	(PY)
P07	24-4	0410	11078	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 1m30s	QPSK	(PY)
P07	24-4	0420	11478	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 1m30s	QPSK	(PY)
P07	24-4	0430	12178	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 1m30s	QPSK	(PY)
P07	24-4	0440	13378	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 1m30s	QPSK	(PY)
P07	24-4	0450	13978	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 1m30s	QPSK	(PY)
P07	24-4	0600	12137	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 3m09s	QPSK	(PY)
P07	24-4	0620	13367	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 3m09s	QPSK	(PY)
P07	24-4	0620	13967	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 3m09s	QPSK	(PY)
P07	24-4	0630	14367	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 3m09s	QPSK	(PY)
P07	24-4	0640	14967	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 3m09s	QPSK	(PY)
P07	24-4	0650	15867	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 3m09s	QPSK	(PY)

P07	24-4	1200	16252	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 3m09s	QPSK	(PY)
P07	24-4	1210	15864	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 3m09s	QPSK	(PY)
P07	24-4	1220	14729	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 3m09s	QPSK	(PY)
P07	24-4	1230	13892	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 3m09s	QPSK	(PY)
P07	24-4	1240	13366	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 3m09s	QPSK	(PY)
P07	24-4	1250	12194	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 3m09s	QPSK	(PY)
P07	24-4	1310	16341	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 2m45s	QPSK	(PY)
P07	24-4	1320	15881	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 2m45s	QPSK	(PY)
P07	24-4	1330	12211	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 2m45s	QPSK	(PY)
P07	24-4	1330	13941	Wed	Russian intel. P07 variant, no callup, no BPSK bursts, 2m45s	QPSK	(PY)
P07	24-4	1400	10446	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-4	1410	9379	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-4	1420	9109	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-4	1430	8166	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-4	1440	7718	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	24-4	1450	6969	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	26-4	0400	10378	Fri	Russian intel. P07 variant, 8 channels, no callup, no BPSK bursts, 2m32s	QPSK	(PY)
P07	26-4	0410	11078	Fri	Russian intel. P07 variant, 8 channels, no callup, no BPSK bursts, 2m32s	QPSK	(PY)
P07	26-4	0420	11478	Fri	Russian intel. P07 variant, 8 channels, no callup, no BPSK bursts, 2m32s	QPSK	(PY)
P07	26-4	0430	12178	Fri	Russian intel. P07 variant, 8 channels, no callup, no BPSK bursts, 2m32s	QPSK	(PY)
P07	26-4	0440	13378	Fri	Russian intel. P07 variant, 8 channels, no callup, no BPSK bursts, 2m32s	QPSK	(PY)
P07	26-4	0450	13978	Fri	Russian intel. P07 variant, 8 channels, no callup, no BPSK bursts, 2m32s	QPSK	(PY)
P07	26-4	0600	12137	Fri	Russian diplo. P07 variant, no callup, no BPSK bursts, 2m56s	QPSK	(PY)
P07	26-4	0610	13367	Fri	Russian diplo. P07 variant, no callup, no BPSK bursts, 2m56s	QPSK	(PY)
P07	26-4	0620	13967	Fri	Russian diplo. P07 variant, no callup, no BPSK bursts, 2m56s	QPSK	(PY)
P07	26-4	0630	14367	Fri	Russian diplo. P07 variant, no callup, no BPSK bursts, 2m56s	QPSK	(PY)
P07	26-4	0640	14967	Fri	Russian diplo. P07 variant, no callup, no BPSK bursts, 2m56s	QPSK	(PY)
P07	26-4	0650	15867	Fri	Russian diplo. P07 variant, no callup, no BPSK bursts, 2m56s	QPSK	(PY)
P07	26-4	1200	16252	Fri	Russian diplo. P07 variant, no callup, no BPSK bursts, 1m55s	QPSK	(PY)
P07	26-4	1210	15864	Fri	Russian diplo. P07 variant, no callup, no BPSK bursts, 1m55s	QPSK	(PY)
P07	26-4	1310	16341	Fri	Russian diplo. P07 variant, no callup, no BPSK bursts, 1m55s	QPSK	(PY)
P07	26-4	1320	15881	Fri	Russian diplo. P07 variant, no callup, no BPSK bursts, 1m55s	QPSK	(PY)
P07	26-4	1330	12211	Fri	Russian intel. P07 variant, no callup, no BPSK bursts, 1m55s	QPSK	(PY)
P07	26-4	1330	13941	Fri	Russian diplo. P07 variant, no callup, no BPSK bursts, 1m55s	QPSK	(PY)
P07	28-4	1400	10446	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-4	1410	9379	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-4	1420	9109	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-4	1430	8166	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-4	1440	7718	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	28-4	1450	6969	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
S06	1-4	0400	11616	Mon	480 239 51 98027 43186 35696 ... 61899 96965 33322 239 51 00000	USB	(Subilo)
S06	1-4	0420	9322	Mon	480 239 51 98027 43186 35696 ... 61899 96965 33322 239 51 00000	USB	(Subilo)

S06	2-4	0400	11616	Tue	480 239 51 98027 43186 35696 ... 61899 96965 33322 239 51 00000	USB	(Subilo)
S06	2-4	0420	9322	Tue	480 239 51 98027 43186 35696 ... 61899 96965 33322 239 51 00000	USB	(Subilo)
S06	2-4	0422	9322	Tue	i.p.	USB	(Mario-J)
S06	3-4	0400	11616	Wed	480 516 24 67763 12805 27450 ... 27396 29414 80884 516 24 480 793 28 48886 92529 14284 ... 24374 56624 76870 793 28 00000	USB	(Subilo)
S06	3-4	0420	9322	Wed	480 516 24 67763 12805 27450 ... 27396 29414 80884 516 24 480 793 28 48886 92529 14284 ... 24374 56624 76870 793 28 00000	USB	(Subilo)
S06	3-4	0710	10755	Wed	975 341 60 62934 60409 50147 ... 44803 49443 24747 341 60 00000	USB	(AB/Lac)
S06	3-4	0930	13547	Wed	480 539 41 58198 60797 09721 ... 78974 18391 95364 539 41 0000	USB	(AB/HFD/Lac)
S06	3-4	1030	12093	Wed	480 539 41 58198 60797 09721 ... 78974 18391 95364 539 41 0000	USB	(AB/HFD/Lac)
S06	4-4	0400	11616	Thu	480 516 24 67763 12805 27450 ... 27396 29414 80884 516 24 480 793 28 48886 92529 14284 ... 24374 56624 76870 793 28 00000	USB	(Subilo)
S06	4-4	0420	9322	Thu	480 516 24 67763 12805 27450 ... 27396 29414 80884 516 24 480 793 28 48886 92529 14284 ... 24374 56624 76870 793 28 00000	USB	(Subilo)
S06	4-4	0640	10755	Thu	975 (R57m)	USB	(AB)
S06	5-4	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	5-4	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	5-4	0630	10755	Fri	975 483 62 07451 35699 77789 ... 61167 70471 22296 483 62 00000	USB	(AB)
S06	5-4	1900	9925	Fri	842 842 842 00000	USB	(AB/HFD/Lac)
S06	5-4	2000	7505	Fri	842 842 842 00000	USB	(AB/Lac)
S06	8-4	0400	11616	Mon	480 526 51 47950 88249 65578 ... 58952 30614 25491 526 51 00000	USB	(Subilo)
S06	8-4	0420	9322	Mon	480 526 51 47950 88249 65578 ... 58952 30614 25491 526 51 00000	USB	(Subilo)
S06	9-4	0400	11616	Tue	480 526 51 47950 88249 65578 ... 58952 30614 25491 526 51 00000	USB	(Subilo/Lac)
S06	9-4	0420	9322	Tue	480 526 51 47950 88249 65578 ... 58952 30614 25491 526 51 00000	USB	(Subilo/Lac)
S06	9-4	0714	10755	Tue	975 241 60 29354 56354 32430 ... 51193 49224 67719 241 60 00000	USB	(AB)
S06	10-4	0400	11616	Wed	480 137 24 95515 69253 47823 ... 13656 83932 97786 137 24 480 259 31 73446 69379 04832 ... 68503 24347 86370 259 31 00000	USB	(Subilo)
S06	10-4	0420	9322	Wed	480 137 24 95515 69253 47823 ... 13656 83932 97786 137 24 480 259 31 73446 69379 04832 ... 68503 24347 86370 259 31 00000	USB	(Subilo)
S06	10-4	0930	13547	Wed	480 936 45 78413 23040 85686 ... 52180 38514 23879 936 45 00000	USB	(AB/Lac)
S06	10-4	1030	12093	Wed	480 936 45 78413 23040 85686 ... 52180 38514 23879 936 45 00000	USB	(AB/Lac)
S06	11-4	0400	11616	Thu	480 137 24 95515 69253 47823 ... 13656 83932 97786 137 24 480 259 31 73446 69379 04832 ... 68503 24347 86370 259 31 00000	USB	(Subilo)
S06	11-4	0420	9322	Thu	480 137 24 95515 69253 47823 ... 13656 83932 97786 137 24 480 259 31 73446 69379 04832 ... 68503 24347 86370 259 31 00000	USB	(Subilo)
S06	12-4	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	12-4	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	13-4	1600	11487	Sat	480 751 42 59079 23040 07305 ... 24809 72587 69874 751 42 00000	USB	(AB)
S06	13-4	1630	9412	Sat	480 751 42 59079 23040 07305 ... 24809 72587 69874 751 42 00000	USB	(AB)
S06	15-4	0400	11616	Mon	480 671 54 75067 05073 58756 ... 94702 64830 82428 671 54 00000	USB	(Subilo)
S06	15-4	0420	9322	Mon	480 671 54 75067 05073 58756 ... 94702 64830 82428 671 54 00000	USB	(Subilo)
S06	16-4	0400	11616	Tue	480 671 54 75067 05073 58756 ... 94702 64830 82428 671 54 00000	USB	(Subilo)

S06	16-4	0420	9322	Tue	480 671 54 75067 05073 58756 ... 94702 64830 82428 671 54 00000	USB	(Subilo)
S06	17-4	0400	11616	Wed	480 392 18 31464 72697 67913 ... 54476 42002 98240 392 18 480 567 42 43378 02830 01439 ... 37535 66976 78805 567 42 00000	USB	(Subilo)
S06	17-4	0420	9322	Wed	480 392 18 31464 72697 67913 ... 54476 42002 98240 392 18 480 567 42 43378 02830 01439 ... 37535 66976 78805 567 42 00000	USB	(Subilo)
S06	17-4	0930	13547	Wed	480 236 47 12768 01125 35079 ... 32748 90150 63845 236 47 00000	USB	(AB/Lac)
S06	17-4	1030	12093	Wed	480 236 47 12768 01125 35079 ... 32748 90150 63845 236 47 00000	USB	(AB)
S06	18-4	0400	11616	Thu	480 392 18 31464 72697 67913 ... 54476 42002 98240 392 18 480 567 42 43378 02830 01439 ... 37535 66976 78805 567 42 00000	USB	(Subilo)
S06	18-4	0420	9322	Thu	480 392 18 31464 72697 67913 ... 54476 42002 98240 392 18 480 567 42 43378 02830 01439 ... 37535 66976 78805 567 42 00000	USB	(Subilo)
S06	19-4	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	19-4	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	19-4	1900	9925	Fri	842 842 842 00000	USB	(AB)
S06	19-4	2000	7510	Fri	842 842 842 00000	USB	(AB)
S06	22-4	0400	11616	Mon	480 123 50 78895 80034 61461 ... 88329 68241 56581 123 50 00000	USB	(Subilo)
S06	22-4	0420	9322	Mon	480 123 50 78895 80034 61461 ... 88329 68241 56581 123 50 00000	USB	(Subilo)
S06	23-4	0400	11616	Tue	480 123 50 78895 80034 61461 ... 88329 68241 56581 123 50 00000	USB	(Subilo)
S06	23-4	0420	9322	Tue	480 123 50 78895 80034 61461 ... 88329 68241 56581 123 50 00000	USB	(Subilo)
S06	24-4	0400	11616	Wed	480 579 60 47481 56518 86398 ... 88867 42742 33917 579 60 00000	USB	(Subilo)
S06	24-4	0420	9322	Wed	480 579 60 47481 56518 86398 ... 88867 42742 33917 579 60 00000	USB	(Subilo)
S06	24-4	0930	13547	Wed	480 627 43 02170 58970 73720 ... 62397 80214 32386 627 43 00000	USB	(AB/Lac)
S06	24-4	1030	12093	Wed	480 627 43 02170 58970 73720 ... 62397 80214 32386 627 43 00000	USB	(AB/Lac)
S06	25-4	0400	11616	Thu	480 579 60 47481 56518 86398 ... 88867 42742 33917 579 60 00000	USB	(Subilo)
S06	25-4	0420	9322	Thu	480 579 60 47481 56518 86398 ... 88867 42742 33917 579 60 00000	USB	(Subilo)
S06	26-4	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	26-4	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	27-4	1600	11487	Sat	480 319 45 50273 54250 82137 ... 49826 31349 05648 319 45 00000	USB	(AB)
S06	27-4	1630	9412	Sat	480 319 45 50273 54250 82137 ... 49826 31349 05648 319 45 00000	USB	(AB)
S06	28-4	0730	13945	Sun	480 319 45 50273 54250 82137 ... 49826 31349 05648 319 45 00000	USB	(AB-RUS)
S06	28-4	0800	11128	Sun	480 319 45 50273 54250 82137 ... 49826 31349 05648 319 45 00000	USB	(AB)
S06c	3-4	1230	4643	Wed	11513 (R4m)	USB	(kalv)
S11a	1-4	0510	23004	Mon	651/00 Konets	USB	(AB-POL)
S11a	1-4	0700	8597	Mon	477/00 Konets	USB	(AB/Lac)
S11a	1-4	0915	6480	Mon	480/31 Vnimanije 85624 36655 36228 ... 00510 78380 27028 Vnimanije (message repeated) Konets	USB	(AB/Lac/Subilo)
S11a	1-4	0915	6480	Mon	480/31 Vnimanije	USB	(Lac)
S11a	2-4	0445	10728	Tue	793/00 Konets	USB	(AB)
S11a	2-4	1400	11420	Tue	429/37 Vnimanije 69381 59552 17003 ... 64743 34148 35697 Vnimanije (message repeated) Konets	USB	(AB/Lac/Subilo)
S11a	3-4	0510	23004	Wed	650/00 Konets	USB	(AB-POL)
S11a	3-4	0725	21854	Wed	384/00 Konets	USB	(AB-POL/Lac)

S11a	3-4	1850	10213	Wed	280/00 Konets	USB	(AB/Lac)
S11a	4-4	0445	10728	Thu	796/00 Konets	USB	(AB)
S11a	4-4	0700	8597	Thu	475/00 Konets	USB	(AB/Lac)
S11a	5-4	0715	21854	Fri	384/00 Konets	USB	(AB)
S11a	5-4	0915	6480	Fri	480/31 Vnimanije 85624 36655 36228 ... 00510 78380 27028 Vnimanije (message repeated) Konets	USB	(AB/Subilo)
S11a	5-4	1400	11420	Fri	429/37 Vnimanije 69381 59552 17003 ... 64743 34148 35697 Vnimanije (message repeated) Konets	USB	(AB/Lac/Subilo)
S11a	6-4	0830	6433	Sat	378/00 Konets	USB	(AB)
S11a	6-4	1850	10213	Sat	284/00 Konets	USB	(AB)
S11a	7-4	0830	6433	Sun	372/00 Konets	USB	(AB)
S11a	8-4	0510	23004	Mon	650/00 Konets	USB	(AB-POL)
S11a	8-4	0700	8597	Mon	476/00 Konets	USB	(AB)
S11a	8-4	0915	6480	Mon	487/00 Konets	USB	(AB)
S11a	9-4	0445	10728	Tue	794/00 Konets	USB	(AB/Lac)
S11a	9-4	1400	11420	Tue	422/00 Konets	USB	(AB)
S11a	10-4	0510	23004	Wed	657/00 Konets	USB	(AB-POL)
S11a	10-4	0725	21854	Wed	385/00 Konets	USB	(AB-POL)
S11a	10-4	1850	10213	Wed	281/00 Konets	USB	(AB)
S11a	11-4	0445	10728	Thu	799/00 Konets	USB	(AB)
S11a	11-4	0700	8597	Thu	476/00 Konets	USB	(AB)
S11a	12-4	0915	6480	Fri	482/00 Konets	USB	(AB)
S11a	12-4	1400	11420	Fri	420/00 Konets	USB	(AB)
S11a	13-4	0830	6433	Sat	372/00 Konets	USB	(AB)
S11a	13-4	1850	10213	Sat	281/00 Konets	USB	(AB)
S11a	14-4	0830	6433	Sun	370/00 Konets	USB	(AB)
S11a	15-4	0510	23004	Mon	658/36 Vnimanije 39904 08726 40603 ... 55041 10375 03190 Vnimanije (message repeated) Konets	USB	(AB-POL/Subilo)
S11a	15-4	0700	8597	Mon	477/00 Konets	USB	(AB/Lac)
S11a	15-4	0915	6480	Mon	481/00 Konets	USB	(AB)
S11a	16-4	0445	10728	Tue	790/32 Vnimanije 15524 51035 99491 ... 16753 61042 10823 Vnimanije (message repeated) Konets	USB	(AB/Subilo)
S11a	16-4	1400	11420	Tue	422/00 Konets	USB	(AB)
S11a	17-4	0510	23004	Wed	658/36 Vnimanije 39904 08726 40603 ... 55041 10375 03190 Vnimanije (message repeated) Konets	USB	(AB-POL/Subilo)
S11a	17-4	0725	21854	Wed	383/38 Vnimanije 04051 91074 20952 ... 97017 84496 26366 Vnimanije (message repeated) Konets	USB	(AB/Subilo/Lac)
S11a	17-4	1850	10213	Wed	284/34 Vnimanije 49476 35274 79217 ... 48431 87996 64513 Vnimanije (message repeated) Konets	USB	(AB/Subilo)
S11a	18-4	0445	10728	Thu	790/32 Vnimanije 15524 51035 99491 ... 16753 61042 10823 Vnimanije (message repeated) Konets	USB	(AB/Subilo)
S11a	18-4	0700	8597	Thu	471/00 Konets	USB	(AB)

S11a	19-4	0725	21854	Fri	383/38 Vnimanaye 04051 91074 20952 ... 97017 84496 26366 Vnimanaye (message repeated) Konets	USB	(AB/Subilo)
S11a	19-4	0915	6480	Fri	481/00 Konets	USB	(AB)
S11a	19-4	1400	11420	Fri	429/00 Konets	USB	(AB)
S11a	20-4	0830	6433	Sat	370/40 Vnimanaye 62399 60379 84096 ... 33980 01531 49065 Vnimanaye (message repeated) Konets	USB	(AB/Subilo)
S11a	20-4	1850	10213	Sat	284/34 Vnimanaye 49476 35274 79217 ... 48431 87996 64513 Vnimanaye (message repeated) Konets	USB	(AB/Subilo)
S11a	21-4	0830	6433	Sun	370/40 Vnimanaye 62399 60379 84096 ... 33980 01531 49065 Vnimanaye (message repeated) Konets	USB	(AB/Subilo)
S11a	22-4	0510	23004	Mon	656/00 Konets	USB	(AB-POL)
S11a	22-4	0700	8597	Mon	479/40 Vnimanaye 36122 05645 40201 ... 29565 67314 57517 Vnimanaye (message repeated) Konets	USB	(Lac/Subilo)
S11a	23-4	0445	10728	Tue	790/00 Konets	USB	(AB)
S11a	23-4	1400	11420	Tue	427/00 Konets	USB	(Lac)
S11a	24-4	0510	23004	Wed	654/00 Konets	USB	(AB-POL)
S11a	24-4	0725	21854	Wed	389/00 Konets	USB	(AB-POL)
S11a	24-4	1850	10213	Wed	288/00 Konets	USB	(AB)
S11a	25-4	0445	10728	Thu	793/00 Konets	USB	(AB)
S11a	25-4	0700	8597	Thu	479/40 Vnimanaye 36122 05645 40201 ... 29565 67314 57517 Vnimanaye (message repeated) Konets	USB	(AB/Subilo)
S11a	26-4	0725	21854	Fri	387/00 Konets	USB	(AB-POL)
S11a	26-4	0915	6480	Fri	480/00 Konets	USB	(AB)
S11a	26-4	1400	11420	Fri	420/00 Konets	USB	(AB)
S11a	27-4	0830	6433	Sat	371/00 Konets	USB	(AB)
S11a	27-4	1850	10213	Sat	288/00 Konets	USB	(AB)
S11a	28-4	0830	6433	Sun	373/00 Konets	USB	(AB)
S11a	29-4	0510	23004	Mon	654/00 Konets	USB	(AB-POL)
S11a	29-4	0700	8597	Mon	475/00 Konets	USB	(AB/Lac)
S11a	29-4	0915	6480	Mon	487/00 Konets	USB	(AB)
S11a	29-4	1400	11420	Mon	422/00 Konets	USB	(Lac)
S11a	30-4	0445	10728	Tue	799/00 Konets	USB	(TM)
S11a	30-4	1400	11420	Tue	422/00 Konets	USB	(AB)
S28	4-4	1554	4625	Thu	Buzzer channel marker	USB	(AB)
S30	4-4	1550	5448	Thu	Pip channel marker	USB	(AB)
UM04	1-4	0700	4735	Mon	VVV VVV PROMRCh = 01 04 = ... 1000 1030 1070 1230 1710 ... 0800 0820 0860 1010 1460 = AR	CW	(AB-HNG)
UM04	2-4	0700	4375	Tue	VVV VVV PROMRCh = 02 04 = 1000 1020 1060 1210 1700 ... 0800 0810 0860 1010 1460 = AR	CW	(AB-HNG)
UM04	3-4	0700	4735	Wed	VVVVV PROMRCh = 0304 = 1000 1020 1060 1210 1700 ... 0800 0810 0850 1010 1450 = AR	CW	(Subilo)
UM04	4-4	0700	4735	Thu	VVV VVV PROMRCh = 04 04 = 1000 1010 1050 1200 1670 ... 0800 0800 0850 1000 1440 = AR	CW	(AB-GRC)
UM04	5-4	0700	4735	Fri	VVV VVV PROMRCh = 05 04 = 1000 1000 1040 1190 1660 ... 0800 0800 0850 1000 1430 = AR	CW	(Subilo)
UM04	6-4	0700	4735	Sat	VVVVV PROMRCh = 0604 = 1000 1000 1050 1190 1650 ... 0800 0800 0850 0980 1430 = AR	CW	(AB-HNG)
UM04	7-4	0700	4735	Sun	VVV VVV PROMRCh = 07 04 = 1000 1010 1050 1190 1650 ... 0800 0800 0850 0990 1420 = AR	CW	(AB-HNG)

UM04	8-4	0700	4735	Mon	VVV VVV PROMRCh = 08 04 = 1000 1000 1040 1180 1640 ... 0800 0800 0840 0990 1410 = AR	CW	(AB-HNG)
UM04	9-4	0700	4375	Tue	VVVVV PROMRCh = 09 04 = 1000 0990 1030 1170 1620 ... 0800 0790 0830 0970 1400 = AR	CW	(AB-HNG)
UM04	10-4	0700	4735	Wed	VVV VVV PROMRCh = 10 04 = 1000 0980 1020 1160 1610 ... 0800 0780 0830 0970 1390 = AR	CW	(AB-HNG)
UM04	11-4	0700	4735	Thu	VVV VVV PROMRCh = 11 04 = 1000 0970 1010 1140 1590 ... 0800 0780 0820 0960 1370 = AR	CW	(AB-GRC)
UM04	12-4	0700	4735	Fri	VVV VVV PROMRCh = 12 04 = 1000 0970 1000 1140 1580 ... 0800 0780 0820 0960 1370 = AR	CW	(AB-HNG)
UM04	13-4	0700	4735	Sat	VVVVV PROMRCh = 1304 = 1000 0950 0990 1130 1550 ... 0800 0770 0810 0950 1350 = AR	CW	(AB-HNG)
UM04	14-4	0700	4735	Sun	VVV VVV PROMRCh = 14 04 = 1000 0950 0990 1120 1550 ... 0800 0770 0810 0940 1350 = AR	CW	(AB-HNG)
UM04	15-4	0700	4735	Mon	VVV VVV PROMRCh = 15 04 = 1000 0960 1000 1130 1550 ... 0800 0780 0820 0950 1350 = AR	CW	(Subilo)
UM04	16-4	0700	4375	Tue	VVV VVV PROMRCh = 16 04 = 1000 0960 1000 1130 1550 ... 0800 0780 0820 0950 1250 = AR	CW	(AB-HNG)
UM04	17-4	0700	4735	Wed	VVVVV PROMRCh = 1704 = 1000 0960 0990 1130 1540 ... 0800 0780 0820 0950 1350 = AR	CW	(Subilo)
UM04	18-4	0700	4735	Thu	VVVVV PROMRCh = 18 04 = 1000 0950 0990 1110 1520 ... 0800 0780 0810 0940 1340 = AR	CW	(Subilo)
UM04	19-4	0700	4735	Fri	VVV VVV PROMRCh = 19 04 = 1000 0950 0980 1110 1510 ... 0800 0780 0810 0940 1330 = AR	CW	(Subilo)
UM04	20-4	0700	4735	Sat	Not found	CW	(AB-HNG)
UM04	20-4	0700	4735	Sat	VVV VVV PROMRCh = 20 04 = 1000 0950 0990 1110 1520 ... 0800 0780 0810 0940 1340 = AR	CW	(Subilo)
UM04	21-4	0700	4735	Sun	VVVVV PROMRCh = 21 04 = 1000 0960 1000 1120 1520 ... 0800 0790 0830 0950 1340 = AR	CW	(Subilo)
UM04	22-4	0700	4735	Mon	VVVVV PROMRCh = 2204 = 1000 0970 1000 1120 1530 ... 0800 0800 0840 0960 1360 = AR	CW	(Subilo)
UM04	23-4	0700	4735	Tue	VVV VVV PROMRCh = 23 04 = 1000 0980 1010 1130 1540 ... 0800 0810 0850 0970 1370 = AR	CW	(Subilo)
UM04	24-4	0700	4735	Wed	VVVVV PROMRCh = 24 04 = 1000 0980 1010 1130 1530 ... 0800 0810 0840 0970 1360 = AR	CW	(Subilo)
UM04	25-4	0700	4735	Thu	VVV VVV PROMRCh = 25 04 = 1000 0980 1020 1140 1540 ... 0800 0820 0850 0980 1370 = AR	CW	(Subilo)
UM04	27-4	0700	4735	Sat	VVV VVV PROMRCh = 27 04 = 1000 1000 1030 1150 1550 ... 0800 0830 0870 0990 1390 = AR	CW	(AB-HNG)
UM04	28-4	0700	4735	Sun	VVV VVV PROMRCh = 28 04 = 1000 1010 1040 1170 1570 ... 0800 0840 0880 1000 1400 = AR	CW	(AB)
UM04	30-4	0700	4375	Tue	VVVVV PROMRCh = 3004 = 1000 1000 1030 1150 1560 ... 0800 0840 0870 1000 1400 = AR	CW	(AB-HNG)
UM05	1-4	0443	5345.8	Mon	i.p. MWOB KEQU ZJXX SZQP OPXB VJEZ QQRC etc.	CW	(AB)
UM05	2-4	0529	5345.8	Tue	i.p. TSAJ VLUT AKMW CVUC DXFH UMZP AUAC MGWM MRFJ ZQEX JTOR etc.	CW	(AB)
UM05	3-4	0514	5345.8	Wed	i.p. ISTR XFSQ BGPA AXAK VGWC LDBF XJTR etc.	CW	(AB)
UM05	4-4	0518	5345.8	Thu	i.p. WOSI LQJN QCAD HHEV DZMS HJVN VAKV AJWC EZWI QGWF WESM WMOA AFHU XZDE etc.	CW	(AB)
UM05	5-4	0457	5345.8	Fri	i.p. VBIX HHQK JMES MSYV NWUA UMLG BMEH TBCR CZWA AHDT CXSP UZDY etc.	CW	(AB)
UM05	8-4	1630	5345.8	Mon	Lac (R), Livre (R), Aout (R), etc	CW	(AB)
UM05	8-4	1921	5345.8	Mon	Port (R), Moto (R), Fume (R), G (R), U (R), etc.	CW	(AB)
UM05	9-4	0453	5345.8	Tue	Le (R), Parc (R), Hibou (R), etc.	CW	(AB)
UM05	15-4	1536	5345.8	Mon	i.p. Key (R), M (R), O (R), U (R), etc.	CW	(AB)
UM05	16-4	0525	5345.8	Tue	i.p. Eau (R), B (R), etc.	CW	(AB)
UM05	16-4	1652	5345.8	Tue	i.p. R (R), N (R), Prairie (R), Foret (R), etc.	CW	(AB-D)
UM05	17-4	0501	5345.8	Wed	i.p. Ear (R), Chemin de fer (R), Volcan (R), etc.	CW	(AB)
UM05	18-4	0456	5345.8	Thu	i.p. Public (R), Lait (R), L (R), etc.	CW	(AB)
UM05	19-4	1150	5435.8	Fri	i.p. Pigeon (R), F (R), etc.	CW	(AB-F)
UM05	20-4	0500	5345.8	Sat	i.p. Sable (R), Examen (R), etc.	CW	(AB-F)
UM05	21-4	1000	5345.8	Sun	i.p. Vitesse (R), etc.	CW	(AB)
UM05	24-4	0527	5345.8	Wed	i.p. Cuisine (R), S (R), etc.	CW	(AB)
UM05	25-4	0526	5345.8	Thu	i.p. Television (R), Direction (R), etc.	CW	(AB)
UM05	26-4	0505	5345.8	Fri	i.p. Tremblement de terre (R), etc.	CW	(AB-F)
UM05	27-4	0644	5345.8	Sat	i.p. Voiture (R), Phase (R), etc.	CW	(AB-F)

UM05	28-4	0633	5345.8	Sun	i.p. Pluton (R), Riviere (R), etc.	CW	(AB)
UM05	29-4	0508	5345.8	Mon	i.p. Fourchette (R), Q (R), etc.	CW	(AB)
UM05	30-4	0519	5345.8	Tue	i.p. M (R), Acide (R), etc.	CW	(AB)
V07	7-4	0200	17431	Sun	414 414 414 1 4128 36 4128 36 08806 82010 36771 ... 12071 29337 27717 000 000	USB	(Dan)
V07	7-4	0200	17431	Sun	414:1-4128/36= 08806 via KiwiSDR USA	USB	(HFD)
V07	7-4	0220	16131	Sun	414:1 via KiwiSDR USA	USB	(HFD)
V07	7-4	0240	14431	Sun	414:1 via KiwiSDR USA	USB	(HFD)
V07	14-4	0200	17431	Sun	414 414 414 1 435 114 435 114 92758 68826 24458 ... 45692 78337 82764 000 000	USB	(FSpy/Dan)
V07	21-4	0200	17431	Sun	414 414 414 1 6109 64 6109 64 77868 45816 90462 ... 86168 91295 04091 000 000	USB	(Dan)
V07	28-4	0200	17431	Sun	414 414 414 1 4293 65 4293 65 78005 84618 13354 ... 62718 98523 43661 000 000	USB	(Dan)
V13	1-4	0000	15890	Mon	New Star Broadcasting. Station 3. Agent IDs: 5912, 6173, 7713 Group Counts: 30, 35, 33	USB	(FSpy)
V13	1-4	0100	18040	Mon	New Star Broadcasting. Station 3. Agent IDs: 5912, 6173, 7713 Group Counts: 30, 35, 33	USB	(FSpy)
V13	2-4	0000	18040	Tue	New Star Broadcasting. Station 1. Agent IDs: 1738, 4962, 7143 Group Counts: 30, 31, 35	USB	(FSpy)
V13	2-4	0100	20025	Tue	New Star Broadcasting. Station 4. Agent IDs: 2043, 8541, 8596 Group Counts: 30, 35, 31	USB	(FSpy)
V13	2-4	1542	20095	Tue	New Start Broadcasting i.p.	USB	(Phi)
V13	7-4	0000	15890	Sun	New Star Broadcasting. Station 3	USB	(FSpy)
V13	9-4	0000	18040	Tue	New Star Broadcasting. Station 1	USB	(FSpy)
V13	14-4	0000	15890	Sun	New Star Broadcasting. Station 3	USB	(FSpy)
V13	14-4	0000	18040	Sun	New Star Broadcasting. Station 1	USB	(FSpy)
V13	14-4	0100	18040	Sun	New Star Broadcasting. Station 3	USB	(FSpy)
V13	19-4	1200	13974	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	19-4	1200	14944	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	19-4	1200	15388	Fri	New Star Broadcasting	USB	(AB-TWN)
V13	20-4	2358	18040	Sat	New Star Broadcasting. Station 1	USB	(FSpy)
V13	22-4	0100	18040	Mon	New Star Broadcasting. Station 3	USB	(FSpy)
V13	23-4	0200	13974	Tue	New Star Broadcasting. Station 2	USB	(FSpy)
V13	29-4	0000	15890	Mon	New Star Broadcasting. Station 3	USB	(FSpy)
V13	29-4	0030	18040	Mon	New Star Broadcasting. Station 1	USB	(FSpy)
V13	29-4	0100	20025	Mon	New Star Broadcasting. Station 4	USB	(FSpy)
V28	15-4	1005	3003	Mon	Parrot	AM	(HK)
V28	15-4	1005	3047	Mon	Parrot	AM	(HK)
VC01	17-4	2003	7705	Wed	Chinese Air Defense aka Chinese Robot with technical problems	USB	(linkz)
X06	1-4	0643	12122	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(RO)
X06	1-4	0746	12152	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(Moon)
X06	1-4	0806	11438	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(AB/Moon)
X06	2-4	1706	12124	Tue	MFA Moscow clg 246531: Russian embassy Accra	MFSK-6	(RO)
X06	3-4	1119	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB)
X06	3-4	1119	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(RO)
X06	3-4	1242	18245	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(T101)
X06	3-4	1300	16103	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(AB)
X06	3-4	1305	19878	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(T101)
X06	4-4	0715	17517	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(AB/Moon)

X06	4-4	0741	18575	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(AB/RO)
X06	4-4	0804	17534	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(AB/RO)
X06	4-4	0929	18197	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(AB/Moon)
X06	4-4	1408	17468	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(T101)
X06	8-4	0818	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(RO)
X06	8-4	0926	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(Noon)
X06	9-4	0757	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(Anon)
X06	9-4	0816	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(RO)
X06	9-4	1018	20813	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(Moon)
X06	14-4	1128	15710	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(Moon)
X06	15-4	0651	12122	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(T101)
X06	15-4	0740	12152	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(RO)
X06	15-4	0758	12199	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(RO)
X06	15-4	0912	12177	Mon	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(RO)
X06	15-4	0942	23355	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(Moon)
X06	15-4	0950	20675	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(Moon)
X06	16-4	0830	15687	Tue	MFA Moscow 154263: Russian embassy Rome	MFSK-6	(AB/RO)
X06	16-4	0859	17454	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	17-4	1115	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB/Moon)
X06	17-4	1230	18245	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(AB/Moon)
X06	18-4	0737	19511	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(RO)
X06	18-4	0738	18575	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(RO)
X06	18-4	0744	21825	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(RO)
X06	18-4	0755	19405	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(RO)
X06	18-4	0803	14950	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(RO)
X06	18-4	0811	17534	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(RO)
X06	18-4	0835	16132	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(RO)
X06	18-4	0841	16132	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(RO)
X06	18-4	0933	20844	Thu	Russian diplo	MFSK-66	(RO)
X06	18-4	1328	17468	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(AB)
X06	19-4	0848	13954	Fri	MFA Moscow clg 213546: Russian embassy Islamabad	MFSK-6	(RO)
X06	19-4	1022	12194	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(RO)
X06	22-4	0904	13940	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(RO)
X06	22-4	0936	20690	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(RO)
X06	22-4	0939	13517	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(RO)
X06	22-4	0945	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(RO)
X06	23-4	0801	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(RO)
X06	23-4	0802	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(RO)
X06	24-4	0801	20950	Wed	MFA Moscow clg 435621: Russian embassy Maputo	MFSK-6	(RO)
X06	26-4	0457	15920	Fri	MFA Moscow clg 216435: Russian embassy Dhaka	MFSK-6	(AB)
X06	26-4	1001	20605	Fri	MFA Moscow clg 256134: Russian embassy Abidjan	MFSK-6	(Moon)
XPA1	3-4	1210	13368	Wed	311 311 311 1 01970 00126 19856 ... 46018 04916 02421	MFSK-20/10bd	(AB/HFD)

XPA1	3-4	1230	12168	Wed	311 311 311 1 01970 00126 19856 ... 46018 04916 02421	MFSK-20/10bd	(AB)
XPA1	3-4	1250	11168	Wed	311 311 311 1 01970 00126 19856 ... 46018 04916 02421	MFSK-20/10bd	(AB)
XPA1	5-4	1210	13368	Fri	311 311 311 1 01970 00126 19856 ... 46018 04916 02421	MFSK-20/10bd	(AB)
XPA1	5-4	1230	12168	Fri	311 311 311 1 01970 00126 19856 ... 46018 04916 02421	MFSK-20/10bd	(AB)
XPA1	5-4	1250	11168	Fri	311 311 311 1 01970 00126 19856 ... 46018 04916 02421	MFSK-20/10bd	(AB)
XPA1	10-4	1210	13368	Wed	311 311 311 1 311 311 311 1 311 311 00104 00098 17266 ... 84365 06324 63535	MFSK-20/10bd	(AB)
XPA1	10-4	1230	12168	Wed	311 311 311 1 311 311 311 1 311 311 00104 00098 17266 ... 84365 06324 63535	MFSK-20/10bd	(AB)
XPA1	10-4	1250	11168	Wed	311 311 311 1 311 311 311 1 311 311 00104 00098 17266 ... 84365 06324 63535	MFSK-20/10bd	(AB)
XPA1	12-4	1210	13368	Fri	311 311 311 1 311 311 311 1 311 311 00104 00098 17266 ... 84365 06324 63535	MFSK-20/10bd	(AB)
XPA1	12-4	1230	12168	Fri	311 311 311 1 311 311 311 1 311 311 00104 00098 17266 ... 84365 06324 63535	MFSK-20/10bd	(AB)
XPA1	12-4	1250	11168	Fri	311 311 311 1 311 311 311 1 311 311 00104 00098 17266 ... 84365 06324 63535	MFSK-20/10bd	(AB)
XPA1	17-4	1210	13368	Wed	311 311 311 1 311 311 311 1 311 311 00104 00098 17266 ... 84365 06324 63535	MFSK-20/10bd	(AB)
XPA1	17-4	1230	12168	Wed	311 311 311 1 311 311 311 1 311 311 00104 00098 17266 ... 84365 06324 63535	MFSK-20/10bd	(AB)
XPA1	17-4	1250	11168	Wed	311 311 311 1 311 311 311 1 311 311 00104 00098 17266 ... 84365 06324 63535	MFSK-20/10bd	(AB)
XPA1	19-4	1210	13368	Fri	311 311 311 1 311 311 311 1 311 311 00104 00098 17266 ... 84365 06324 63535	MFSK-20/10bd	(AB)
XPA1	19-4	1230	12168	Fri	311 311 311 1 311 311 311 1 311 311 00104 00098 17266 ... 84365 06324 63535	MFSK-20/10bd	(AB)
XPA1	19-4	1250	11168	Fri	311 311 311 1 311 311 311 1 311 311 00104 00098 17266 ... 84365 06324 63535	MFSK-20/10bd	(AB)
XPA1	24-4	1210	13368	Wed	311 311 311 1 05878 00205 02659 ... 76805 98692 02277	MFSK-20/10bd	(AB)
XPA1	24-4	1230	12168	Wed	311 311 311 1 05878 00205 02659 ... 76805 98692 02277	MFSK-20/10bd	(AB)
XPA1	24-4	1250	11168	Wed	311 311 311 1 05878 00205 02659 ... 76805 98692 02277	MFSK-20/10bd	(AB)
XPA1	26-4	1210	13368	Fri	311 311 311 1 05878 00205 02659 ... 76805 98692 02277	MFSK-20/10bd	(AB)
XPA1	26-4	1230	12168	Fri	311 311 311 1 05878 00205 02659 ... 76805 98692 02277	MFSK-20/10bd	(AB)
XPA1	26-4	1250	11168	Fri	311 311 311 1 05878 00205 02659 ... 76805 98692 02277	MFSK-20/10bd	(AB)
XPA2	1-4	0700	11409	Mon	09042 00152 43620 ... 55087 37765 47347	MFSK-16/20Bd	(AB)
XPA2	1-4	0720	12209	Mon	09042 00152 43620 ... 55087 37765 47347	MFSK-16/20Bd	(AB)
XPA2	1-4	0740	13409	Mon	09042 00152 43620 ... 55087 37765 47347	MFSK-16/20Bd	(AB)
XPA2	1-4	0910	18038	Mon	02307 00001 00000 36252	MFSK-16/20Bd	(AB)
XPA2	1-4	0930	17474	Mon	02307 00001 00000 36252	MFSK-16/20Bd	(AB)
XPA2	1-4	0950	16286	Mon	02307 00001 00000 36252	MFSK-16/20Bd	(AB)
XPA2	1-4	1500	15881	Mon	07561 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	1-4	1520	14481	Mon	07561 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	1-4	1540	13381	Mon	07561 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	2-4	0500	10249	Tue	08850 00001 00000 35265	MFSK-16/20Bd	(AB)
XPA2	2-4	0520	11449	Tue	08850 00001 00000 35265	MFSK-16/20Bd	(AB)
XPA2	2-4	0540	12149	Tue	08850 00001 00000 35265	MFSK-16/20Bd	(AB)
XPA2	2-4	1100	16341	Tue	00250 00089 23932 ... 37848 21773 35636	MFSK-16/20Bd	(AB)
XPA2	2-4	1120	14841	Tue	00250 00089 23932 ... 37848 21773 35636	MFSK-16/20Bd	(AB)
XPA2	2-4	1140	13941	Tue	00250 00089 23932 ... 37848 21773 35636	MFSK-16/20Bd	(AB)
XPA2	2-4	1600	15819	Tue	02116 00001 00000 34653	MFSK-16/20Bd	(AB)
XPA2	2-4	1620	14919	Tue	02116 00001 00000 34653	MFSK-16/20Bd	(AB)
XPA2	2-4	1640	13919	Tue	02116 00001 00000 34653	MFSK-16/20Bd	(AB)
XPA2	3-4	0700	11409	Wed	09042 00152 43620 ... 55087 37765 47347	MFSK-16/20Bd	(AB)

XPA2	3-4	0720	12209	Wed	09042 00152 43620 ... 55087 37765 47347	MFSK-16/20Bd	(AB)
XPA2	3-4	0740	13409	Wed	09042 00152 43620 ... 55087 37765 47347	MFSK-16/20Bd	(AB)
XPA2	3-4	0910	18038	Wed	05723 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	3-4	0930	17474	Wed	05723 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	3-4	0950	16286	Wed	05723 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	3-4	1100	17426	Wed	05576 00110 22883 ... 25134 56130 11201	MFSK-16/20Bd	(AB)
XPA2	3-4	1120	16326	Wed	05576 00110 22883 ... 25134 56130 11201	MFSK-16/20Bd	(AB)
XPA2	3-4	1140	14926	Wed	05576 00110 22883 ... 25134 56130 11201	MFSK-16/20Bd	(AB)
XPA2	3-4	1800	15872	Wed	00362 00111 45882 ... 40390 01700 30371	MFSK-16/20Bd	(AB)
XPA2	3-4	1820	14972	Wed	00362 00111 45882 ... 40390 01700 30371	MFSK-16/20Bd	(AB)
XPA2	3-4	1840	13872	Wed	00362 00111 45882 ... 40390 01700 30371	MFSK-16/20Bd	(AB)
XPA2	4-4	0500	10249	Thu	08656 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	4-4	0520	11449	Thu	08656 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	4-4	0540	12149	Thu	08656 00001 00000 37265	MFSK-16/20Bd	(AB)
XPA2	4-4	0910	15859	Thu	01118 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	4-4	0930	14659	Thu	01118 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	4-4	0950	13459	Thu	01118 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	4-4	1100	17426	Thu	05576 00110 22883 ... 25134 56130 11201	MFSK-16/20Bd	(AB)
XPA2	4-4	1120	16326	Thu	05576 00110 22883 ... 25134 56130 11201	MFSK-16/20Bd	(AB)
XPA2	4-4	1140	14926	Thu	05576 00110 22883 ... 25134 56130 11201	MFSK-16/20Bd	(AB)
XPA2	4-4	1600	15819	Thu	06502 00001 00000 34656	MFSK-16/20Bd	(AB)
XPA2	4-4	1620	14919	Thu	06502 00001 00000 34656	MFSK-16/20Bd	(AB)
XPA2	4-4	1640	13919	Thu	06502 00001 00000 34656	MFSK-16/20Bd	(AB)
XPA2	5-4	0800	13881	Fri	08298 00001 00000 36271	MFSK-16/20Bd	(AB)
XPA2	5-4	0820	14881	Fri	08298 00001 00000 36271	MFSK-16/20Bd	(AB)
XPA2	5-4	0840	16281	Fri	08298 00001 00000 36271	MFSK-16/20Bd	(AB)
XPA2	5-4	1100	16341	Fri	00250 00089 23932 ... 37848 21773 35636	MFSK-16/20Bd	(AB)
XPA2	5-4	1120	14841	Fri	00250 00089 23932 ... 37848 21773 35636	MFSK-16/20Bd	(AB)
XPA2	5-4	1140	13941	Fri	00250 00089 23932 ... 37848 21773 35636	MFSK-16/20Bd	(AB)
XPA2	5-4	1800	15872	Fri	00362 00111 45882 ... 40390 01700 30371	MFSK-16/20Bd	(AB)
XPA2	5-4	1820	14972	Fri	00362 00111 45882 ... 40390 01700 30371	MFSK-16/20Bd	(AB)
XPA2	5-4	1840	13872	Fri	00362 00111 45882 ... 40390 01700 30371	MFSK-16/20Bd	(AB)
XPA2	6-4	0910	15859	Sat	04544 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	6-4	0930	14659	Sat	04544 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	6-4	0950	13459	Sat	04544 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	6-4	1500	15881	Sat	09781 00001 00000 35271	MFSK-16/20Bd	(AB)
XPA2	6-4	1520	14481	Sat	09781 00001 00000 35271	MFSK-16/20Bd	(AB)
XPA2	6-4	1540	13381	Sat	09781 00001 00000 35271	MFSK-16/20Bd	(AB)
XPA2	7-4	0800	13881	Sun	04747 00001 00000 30260	MFSK-16/20Bd	(AB)
XPA2	7-4	0820	14881	Sun	04747 00001 00000 30260	MFSK-16/20Bd	(AB)
XPA2	7-4	0840	16281	Sun	04747 00001 00000 30260	MFSK-16/20Bd	(AB)
XPA2	8-4	0700	11409	Mon	00325 00244 54772 ... 45889 91719 52253	MFSK-16/20Bd	(AB)

XPA2	8-4	0720	12209	Mon	00325 00244 54772 ... 45889 91719 52253	MFSK-16/20Bd	(AB)
XPA2	8-4	0740	13409	Mon	00325 00244 54772 ... 45889 91719 52253	MFSK-16/20Bd	(AB)
XPA2	8-4	0910	18038	Mon	00441 00077 28300 ... 71244 99052 53253	MFSK-16/20Bd	(AB)
XPA2	8-4	0930	17474	Mon	00441 00077 28300 ... 71244 99052 53253	MFSK-16/20Bd	(AB)
XPA2	8-4	0950	16286	Mon	00441 00077 28300 ... 71244 99052 53253	MFSK-16/20Bd	(AB)
XPA2	8-4	1500	15881	Mon	00166 00263 98142 ... 29612 51236 23166	MFSK-16/20Bd	(AB)
XPA2	8-4	1520	14481	Mon	00166 00263 98142 ... 29612 51236 23166	MFSK-16/20Bd	(AB)
XPA2	8-4	1540	13381	Mon	00166 00263 98142 ... 29612 51236 23166	MFSK-16/20Bd	(AB)
XPA2	9-4	0500	10249	Tue	02870 00134 20211 ... 12602 41283 42373	MFSK-16/20Bd	(AB)
XPA2	9-4	0520	11449	Tue	02870 00134 20211 ... 12602 41283 42373	MFSK-16/20Bd	(AB)
XPA2	9-4	0540	12149	Tue	02870 00134 20211 ... 12602 41283 42373	MFSK-16/20Bd	(AB)
XPA2	9-4	1100	16341	Tue	01528 00001 00000 37653	MFSK-16/20Bd	(AB)
XPA2	9-4	1120	14841	Tue	01528 00001 00000 37653	MFSK-16/20Bd	(AB)
XPA2	9-4	1140	13941	Tue	01528 00001 00000 37653	MFSK-16/20Bd	(AB)
XPA2	9-4	1600	15819	Tue	00131 00155 55719 ... 85456 34370 67366	MFSK-16/20Bd	(AB)
XPA2	9-4	1620	14919	Tue	00131 00155 55719 ... 85456 34370 67366	MFSK-16/20Bd	(AB)
XPA2	9-4	1640	13919	Tue	00131 00155 55719 ... 85456 34370 67366	MFSK-16/20Bd	(AB)
XPA2	10-4	0700	11409	Wed	00325 00244 54772 ... 45889 91719 52253	MFSK-16/20Bd	(AB)
XPA2	10-4	0720	12209	Wed	00325 00244 54772 ... 45889 91719 52253	MFSK-16/20Bd	(AB)
XPA2	10-4	0740	13409	Wed	00325 00244 54772 ... 45889 91719 52253	MFSK-16/20Bd	(AB)
XPA2	10-4	0910	18038	Wed	00441 00077 28300 ... 71244 99052 53253	MFSK-16/20Bd	(AB)
XPA2	10-4	0930	17474	Wed	00441 00077 28300 ... 71244 99052 53253	MFSK-16/20Bd	(AB)
XPA2	10-4	0950	16286	Wed	00441 00077 28300 ... 71244 99052 53253	MFSK-16/20Bd	(AB)
XPA2	10-4	1100	17426	Wed	05576 00110 22883 ... 25134 56130 11201	MFSK-16/20Bd	(AB)
XPA2	10-4	1120	16326	Wed	05576 00110 22883 ... 25134 56130 11201	MFSK-16/20Bd	(AB)
XPA2	10-4	1140	14926	Wed	05576 00110 22883 ... 25134 56130 11201	MFSK-16/20Bd	(AB)
XPA2	10-4	1800	15872	Wed	00270 00235 27635 ... 83960 43414 25727	MFSK-16/20Bd	(AB)
XPA2	10-4	1820	14972	Wed	00270 00235 27635 ... 83960 43414 25727	MFSK-16/20Bd	(AB)
XPA2	10-4	1840	13872	Wed	00270 00235 27635 ... 83960 43414 25727	MFSK-16/20Bd	(AB)
XPA2	11-4	0500	10249	Thu	02870 00134 20211 ... 12602 41283 42373	MFSK-16/20Bd	(AB)
XPA2	11-4	0520	11449	Thu	02870 00134 20211 ... 12602 41283 42373	MFSK-16/20Bd	(AB)
XPA2	11-4	0540	12149	Thu	02870 00134 20211 ... 12602 41283 42373	MFSK-16/20Bd	(AB)
XPA2	11-4	0910	15859	Thu	08376 00001 00000 35667	MFSK-16/20Bd	(AB)
XPA2	11-4	0930	14659	Thu	08376 00001 00000 35667	MFSK-16/20Bd	(AB)
XPA2	11-4	0950	13459	Thu	08376 00001 00000 35667	MFSK-16/20Bd	(AB)
XPA2	11-4	1100	17426	Thu	05576 00110 22883 ... 25134 56130 11201	MFSK-16/20Bd	(AB)
XPA2	11-4	1120	16326	Thu	05576 00110 22883 ... 25134 56130 11201	MFSK-16/20Bd	(AB)
XPA2	11-4	1140	14926	Thu	05576 00110 22883 ... 25134 56130 11201	MFSK-16/20Bd	(AB)
XPA2	11-4	1600	15819	Thu	00131 00155 55719 ... 85456 34370 67366	MFSK-16/20Bd	(AB)
XPA2	11-4	1620	14919	Thu	00131 00155 55719 ... 85456 34370 67366	MFSK-16/20Bd	(AB)
XPA2	11-4	1640	13919	Thu	00131 00155 55719 ... 85456 34370 67366	MFSK-16/20Bd	(AB)
XPA2	12-4	0800	13881	Fri	01664 00199 65435 ... 74967 59249 34656	MFSK-16/20Bd	(AB)

XPA2	12-4	0820	14881	Fri	01664 00199 65435 ... 74967 59249 34656	MFSK-16/20Bd	(AB)
XPA2	12-4	0840	16281	Fri	01664 00199 65435 ... 74967 59249 34656	MFSK-16/20Bd	(AB)
XPA2	12-4	1100	16341	Fri	03410 00001 00000 33254	MFSK-16/20Bd	(AB)
XPA2	12-4	1120	14841	Fri	03410 00001 00000 33254	MFSK-16/20Bd	(AB)
XPA2	12-4	1140	13941	Fri	03410 00001 00000 33254	MFSK-16/20Bd	(AB)
XPA2	12-4	1800	15872	Fri	00270 00235 27635 ... 83960 43414 25727	MFSK-16/20Bd	(AB)
XPA2	12-4	1820	14972	Fri	00270 00235 27635 ... 83960 43414 25727	MFSK-16/20Bd	(AB)
XPA2	12-4	1840	13872	Fri	00270 00235 27635 ... 83960 43414 25727	MFSK-16/20Bd	(AB)
XPA2	13-4	0910	15859	Sat	05459 00001 00000 37662	MFSK-16/20Bd	(AB)
XPA2	13-4	0930	14659	Sat	05459 00001 00000 37662	MFSK-16/20Bd	(AB)
XPA2	13-4	0950	13459	Sat	05459 00001 00000 37662	MFSK-16/20Bd	(AB)
XPA2	13-4	1500	15881	Sat	00166 00263 98142 ... 29612 51236 23166	MFSK-16/20Bd	(AB)
XPA2	13-4	1520	14481	Sat	00166 00263 98142 ... 29612 51236 23166	MFSK-16/20Bd	(AB)
XPA2	13-4	1540	13381	Sat	00166 00263 98142 ... 29612 51236 23166	MFSK-16/20Bd	(AB)
XPA2	14-4	0800	13881	Sun	01664 00199 65435 ... 74967 59249 34656	MFSK-16/20Bd	(AB)
XPA2	14-4	0820	14881	Sun	01664 00199 65435 ... 74967 59249 34656	MFSK-16/20Bd	(AB)
XPA2	14-4	0840	16281	Sun	01664 00199 65435 ... 74967 59249 34656	MFSK-16/20Bd	(AB)
XPA2	15-4	0700	11409	Mon	00325 00244 54772 ... 45889 91719 52253	MFSK-16/20Bd	(AB)
XPA2	15-4	0720	12209	Mon	00325 00244 54772 ... 45889 91719 52253	MFSK-16/20Bd	(AB)
XPA2	15-4	0740	13409	Mon	00325 00244 54772 ... 45889 91719 52253	MFSK-16/20Bd	(AB)
XPA2	15-4	0910	18038	Mon	00441 00077 28300 ... 71244 99052 53253	MFSK-16/20Bd	(AB)
XPA2	15-4	0930	17474	Mon	00441 00077 28300 ... 71244 99052 53253	MFSK-16/20Bd	(AB)
XPA2	15-4	0950	16286	Mon	00441 00077 28300 ... 71244 99052 53253	MFSK-16/20Bd	(AB)
XPA2	15-4	1500	15881	Mon	04166 00001 00000 34662	MFSK-16/20Bd	(AB)
XPA2	15-4	1520	14481	Mon	04166 00001 00000 34662	MFSK-16/20Bd	(AB)
XPA2	15-4	1540	13381	Mon	04166 00001 00000 34662	MFSK-16/20Bd	(AB)
XPA2	15-4	1600	14464	Mon	00368 00233 77510 ... 39486 48262 64473	MFSK-16/20Bd	(AB)
XPA2	15-4	1620	12217	Mon	00368 00233 77510 ... 39486 48262 64473	MFSK-16/20Bd	(AB)
XPA2	15-4	1640	10897	Mon	00368 00233 77510 ... 39486 48262 64473	MFSK-16/20Bd	(AB)
XPA2	16-4	0500	10249	Tue	01141 00001 00000 32255	MFSK-16/20Bd	(AB)
XPA2	16-4	0520	11449	Tue	01141 00001 00000 32255	MFSK-16/20Bd	(AB)
XPA2	16-4	0540	12149	Tue	01141 00001 00000 32255	MFSK-16/20Bd	(AB)
XPA2	16-4	0800	12221	Tue	06177 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16-4	0810	13362	Tue	06177 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16-4	0820	13902	Tue	06177 00001 00000 10140 (spur on 13955 kHz)	MFSK-16/20Bd	(AB)
XPA2	16-4	0830	14418	Tue	06177 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16-4	0840	14918	Tue	06177 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	16-4	0850	16118	Tue	06177 00001 00000 10140 (spur on 16065 kHz)	MFSK-16/20Bd	(AB)
XPA2	16-4	1100	16341	Tue	00291 00024 11633 ... 21538 06324 61504	MFSK-16/20Bd	(AB)
XPA2	16-4	1120	14841	Tue	00291 00024 11633 ... 21538 06324 61504	MFSK-16/20Bd	(AB)
XPA2	16-4	1140	13941	Tue	00291 00024 11633 ... 21538 06324 61504	MFSK-16/20Bd	(AB)
XPA2	16-4	1310	16341	Tue	Too weak to copy	MFSK-16/20Bd	(AB)

XPA2	16-4	1320	15881	Tue	Too weak to copy	MFSK-16/20Bd	(AB)
XPA2	16-4	1330	12211	Tue	00467 00391 95157 ... 95554 76181 25625	MFSK-16/20Bd	(AB)
XPA2	16-4	1330	13941	Tue	Too weak to copy	MFSK-16/20Bd	(AB)
XPA2	16-4	1600	15819	Tue	08986 00001 00000 40670	MFSK-16/20Bd	(AB)
XPA2	16-4	1620	14919	Tue	08986 00001 00000 40670	MFSK-16/20Bd	(AB)
XPA2	16-4	1640	13919	Tue	08986 00001 00000 40670	MFSK-16/20Bd	(AB)
XPA2	17-4	0700	11409	Wed	00325 00244 54772 ... 45889 91719 52253	MFSK-16/20Bd	(AB)
XPA2	17-4	0720	12209	Wed	00325 00244 54772 ... 45889 91719 52253	MFSK-16/20Bd	(AB)
XPA2	17-4	0740	13409	Wed	00325 00244 54772 ... 45889 91719 52253	MFSK-16/20Bd	(AB)
XPA2	17-4	0910	18038	Wed	00441 00077 28300 ... 71244 99052 53253	MFSK-16/20Bd	(AB)
XPA2	17-4	0930	17474	Wed	00441 00077 28300 ... 71244 99052 53253	MFSK-16/20Bd	(AB)
XPA2	17-4	0950	16286	Wed	00441 00077 28300 ... 71244 99052 53253	MFSK-16/20Bd	(AB)
XPA2	17-4	1100	17426	Wed	06232 00084 94895 ... 29906 83789 91635 02550	MFSK-16/20Bd	(AB)
XPA2	17-4	1120	16326	Wed	06232 00084 94895 ... 29906 83789 91635 02550	MFSK-16/20Bd	(AB)
XPA2	17-4	1140	14926	Wed	06232 00084 94895 ... 29906 83789 91635 02550	MFSK-16/20Bd	(AB)
XPA2	17-4	1600	14464	Wed	00342 00357 15040 ... 33005 14199 13117	MFSK-16/20Bd	(AB)
XPA2	17-4	1610	13564	Wed	00342 00357 15040 ... 33005 14199 13117 (spur on 13617 kHz)	MFSK-16/20Bd	(AB)
XPA2	17-4	1620	12217	Wed	00342 00357 15040 ... 33005 14199 13117	MFSK-16/20Bd	(AB)
XPA2	17-4	1630	11561	Wed	00342 00357 15040 ... 33005 14199 13117	MFSK-16/20Bd	(AB)
XPA2	17-4	1640	10897	Wed	00342 00357 15040 ... 33005 14199 13117	MFSK-16/20Bd	(AB)
XPA2	17-4	1650	10329	Wed	00342 00357 15040 ... 33005 14199 13117	MFSK-16/20Bd	(AB)
XPA2	17-4	1800	15872	Wed	00301 00175 56812 ... 12524 90896 62761	MFSK-16/20Bd	(AB)
XPA2	17-4	1810	11562	Wed	00407 00374 87626 ... 26283 93432 36640	MFSK-16/20Bd	(AB)
XPA2	17-4	1820	11093	Wed	00407 00374 87626 ... 26283 93432 36640	MFSK-16/20Bd	(AB)
XPA2	17-4	1820	14972	Wed	00301 00175 56812 ... 12524 90896 62761	MFSK-16/20Bd	(AB)
XPA2	17-4	1830	10591	Wed	00407 00374 87626 ... 26283 93432 36640	MFSK-16/20Bd	(AB)
XPA2	17-4	1840	10213	Wed	00407 00374 87626 ... 26283 93432 36640	MFSK-16/20Bd	(AB)
XPA2	17-4	1840	13872	Wed	00301 00175 56812 ... 12524 90896 62761	MFSK-16/20Bd	(AB)
XPA2	17-4	1850	9293	Wed	00407 00374 87626 ... 26283 93432 36640	MFSK-16/20Bd	(AB)
XPA2	18-4	0400	10378	Thu	00778 00228 06996 ... 37876 72908 35406 00000 and 00297 00255 16814 ... 17165 82320 33760	MFSK-16/20Bd	(AB)
XPA2	18-4	0410	11078	Thu	00778 00228 06996 ... 37876 72908 35406 00000 and 00297 00255 16814 ... 17165 82320 33760	MFSK-16/20Bd	(AB)
XPA2	18-4	0420	11478	Thu	00778 00228 06996 ... 37876 72908 35406 00000 and 00297 00255 16814 ... 17165 82320 33760	MFSK-16/20Bd	(AB)
XPA2	18-4	0430	12178	Thu	00778 00228 06996 ... 37876 72908 35406 00000 and 00297 00255 16814 ... 17165 82320 33760	MFSK-16/20Bd	(AB)
XPA2	18-4	0440	13378	Thu	00778 00228 06996 ... 37876 72908 35406 00000 and 00297 00255 16814 ... 17165 82320 33760	MFSK-16/20Bd	(AB)
XPA2	18-4	0450	13978	Thu	00778 00228 06996 ... 37876 72908 35406 00000 and 00297 00255 16814 ... 17165 82320 33760	MFSK-16/20Bd	(AB)
XPA2	18-4	0500	10249	Thu	06182 00001 00000 32666	MFSK-16/20Bd	(AB)
XPA2	18-4	0520	11449	Thu	06182 00001 00000 32666	MFSK-16/20Bd	(AB)
XPA2	18-4	0540	12149	Thu	06182 00001 00000 32666	MFSK-16/20Bd	(AB)
XPA2	18-4	0600	12137	Thu	00223 00234 03999 ... 12080 43976 66477 00000 and 00884 00257 49311 ... 28685 40979 51423	MFSK-16/20Bd	(AB)
XPA2	18-4	0610	13367	Thu	00223 00234 03999 ... 12080 43976 66477 00000 and 00884 00257 49311 ... 28685 40979 51423	MFSK-16/20Bd	(AB)
XPA2	18-4	0620	13967	Thu	00223 00234 03999 ... 12080 43976 66477 00000 and 00884 00257 49311 ... 28685 40979 51423	MFSK-16/20Bd	(AB)
XPA2	18-4	0630	14367	Thu	00223 00234 03999 ... 12080 43976 66477 00000 and 00884 00257 49311 ... 28685 40979 51423	MFSK-16/20Bd	(AB)

XPA2	18-4	0640	14967	Thu	00223 00234 03999 ... 12080 43976 66477 00000 and 00884 00257 49311 ... 28685 40979 51423	MFSK-16/20Bd	(AB)
XPA2	18-4	0650	15867	Thu	00223 00234 03999 ... 12080 43976 66477 00000 and 00884 00257 49311 ... 28685 40979 51423	MFSK-16/20Bd	(AB)
XPA2	18-4	0910	15859	Thu	05698 00058 92474 ... 70815 10005 62664	MFSK-16/20Bd	(AB)
XPA2	18-4	0930	14659	Thu	05698 00058 92474 ... 70815 10005 62664	MFSK-16/20Bd	(AB)
XPA2	18-4	0950	13459	Thu	05698 00058 92474 ... 70815 10005 62664	MFSK-16/20Bd	(AB)
XPA2	18-4	1100	17426	Thu	06232 00084 94895 ... 29906 83789 91635 02550	MFSK-16/20Bd	(AB)
XPA2	18-4	1120	16326	Thu	06232 00084 94895 ... 29906 83789 91635 02550	MFSK-16/20Bd	(AB)
XPA2	18-4	1140	14926	Thu	06232 00084 94895 ... 29906 83789 91635 02550	MFSK-16/20Bd	(AB)
XPA2	18-4	1330	12211	Thu	00302 00256 96240 ... 68143 21762 42542 00000 and 00119 00101 29745 ... 76625 96343 36741	MFSK-16/20Bd	(AB)
XPA2	18-4	1330	13941	Thu	00302 00256 96240 ... 68143 21762 42542 00000 and 00119 00101 29745 ... 76625 96343 36741	MFSK-16/20Bd	(AB)
XPA2	18-4	1600	15819	Thu	04156 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	18-4	1620	14919	Thu	04156 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	18-4	1640	13919	Thu	04156 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	19-4	0800	13881	Fri	08680 00000 00000 33271	MFSK-16/20Bd	(AB)
XPA2	19-4	0820	14881	Fri	08680 00000 00000 33271	MFSK-16/20Bd	(AB)
XPA2	19-4	0840	16281	Fri	08680 00000 00000 33271	MFSK-16/20Bd	(AB)
XPA2	19-4	1100	16341	Fri	00291 00024 11633 ... 21538 06324 61504	MFSK-16/20Bd	(AB)
XPA2	19-4	1120	14841	Fri	00291 00024 11633 ... 21538 06324 61504	MFSK-16/20Bd	(AB)
XPA2	19-4	1140	13941	Fri	00291 00024 11633 ... 21538 06324 61504	MFSK-16/20Bd	(AB)
XPA2	19-4	1800	15872	Fri	00301 00175 56812 ... 12524 90896 62761	MFSK-16/20Bd	(AB)
XPA2	19-4	1820	14972	Fri	00301 00175 56812 ... 12524 90896 62761	MFSK-16/20Bd	(AB)
XPA2	19-4	1840	13872	Fri	00301 00175 56812 ... 12524 90896 62761	MFSK-16/20Bd	(AB)
XPA2	20-4	0400	10378	Sat	00734 00376 08066 ... 04644 04391 40056	MFSK-16/20Bd	(AB)
XPA2	20-4	0410	11078	Sat	00734 00376 08066 ... 04644 04391 40056	MFSK-16/20Bd	(AB)
XPA2	20-4	0420	11478	Sat	00734 00376 08066 ... 04644 04391 40056	MFSK-16/20Bd	(AB)
XPA2	20-4	0430	12178	Sat	00734 00376 08066 ... 04644 04391 40056	MFSK-16/20Bd	(AB)
XPA2	20-4	0440	13378	Sat	00734 00376 08066 ... 04644 04391 40056	MFSK-16/20Bd	(AB)
XPA2	20-4	0450	13978	Sat	00734 00376 08066 ... 04644 04391 40056	MFSK-16/20Bd	(AB)
XPA2	20-4	0600	12137	Sat	00808 00236 17605 ... 60540 58506 30305	MFSK-16/20Bd	(AB)
XPA2	20-4	0610	13367	Sat	00808 00236 17605 ... 60540 58506 30305	MFSK-16/20Bd	(AB)
XPA2	20-4	0620	13967	Sat	00808 00236 17605 ... 60540 58506 30305	MFSK-16/20Bd	(AB)
XPA2	20-4	0630	14367	Sat	00808 00236 17605 ... 60540 58506 30305	MFSK-16/20Bd	(AB)
XPA2	20-4	0640	14967	Sat	00808 00236 17605 ... 60540 58506 30305	MFSK-16/20Bd	(AB)
XPA2	20-4	0650	15867	Sat	00808 00236 17605 ... 60540 58506 30305	MFSK-16/20Bd	(AB)
XPA2	20-4	0910	15859	Sat	05698 00058 92474 ... 70815 10005 62664	MFSK-16/20Bd	(AB)
XPA2	20-4	0930	14659	Sat	05698 00058 92474 ... 70815 10005 62664	MFSK-16/20Bd	(AB)
XPA2	20-4	0950	13459	Sat	05698 00058 92474 ... 70815 10005 62664	MFSK-16/20Bd	(AB)
XPA2	20-4	1320	15881	Sat	00982 00445 50643 ... 92134 35572 75712	MFSK-16/20bd	(AB)
XPA2	20-4	1500	15881	Sat	06750 00001 00000 34663	MFSK-16/20Bd	(AB)
XPA2	20-4	1520	14481	Sat	06750 00001 00000 34663	MFSK-16/20Bd	(AB)
XPA2	20-4	1540	13381	Sat	06750 00001 00000 34663	MFSK-16/20Bd	(AB)
XPA2	21-4	0800	13881	Sun	02107 00001 00000 35252	MFSK-16/20Bd	(AB)

XPA2	21-4	0820	14881	Sun	02107 00001 00000 35252	MFSK-16/20Bd	(AB)
XPA2	21-4	0840	16281	Sun	02107 00001 00000 35252	MFSK-16/20Bd	(AB)
XPA2	22-4	1500	15881	Mon	00228 00240 21191 ... 04804 26713 40563	MFSK-16/20Bd	(AB)
XPA2	22-4	1520	14481	Mon	00228 00240 21191 ... 04804 26713 40563	MFSK-16/20Bd	(AB)
XPA2	22-4	1540	13381	Mon	00228 00240 21191 ... 04804 26713 40563	MFSK-16/20Bd	(AB)
XPA2	23-4	0500	10249	Tue	05651 00127 77662 ... 93999 21409 56110	MFSK-16/20Bd	(AB)
XPA2	23-4	0520	11449	Tue	05651 00127 77662 ... 93999 21409 56110	MFSK-16/20Bd	(AB)
XPA2	23-4	0540	12149	Tue	05651 00127 77662 ... 93999 21409 56110	MFSK-16/20Bd	(AB)
XPA2	24-4	0700	11409	Wed	06362 00301 04387 ... 57741 95481 27775	MFSK-16/20Bd	(AB)
XPA2	24-4	0720	12209	Wed	06362 00301 04387 ... 57741 95481 27775	MFSK-16/20Bd	(AB)
XPA2	24-4	0740	13409	Wed	06362 00301 04387 ... 57741 95481 27775	MFSK-16/20Bd	(AB)
XPA2	24-4	0910	18038	Wed	06384 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	24-4	0930	17474	Wed	06384 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	24-4	0950	16286	Wed	06384 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	24-4	1100	17426	Wed	03099 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	24-4	1120	16326	Wed	03099 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	24-4	1140	14926	Wed	03099 00001 00000 35664	MFSK-16/20Bd	(AB)
XPA2	24-4	1800	15872	Wed	00452 00140 06274 ... 49171 74052 42125	MFSK-16/20Bd	(AB)
XPA2	24-4	1820	14972	Wed	00452 00140 06274 ... 49171 74052 42125	MFSK-16/20Bd	(AB)
XPA2	24-4	1840	13872	Wed	00452 00140 06274 ... 49171 74052 42125	MFSK-16/20Bd	(AB)
XPA2	25-4	0500	10249	Thu	05651 00127 77662 ... 93999 21409 56110	MFSK-16/20Bd	(AB)
XPA2	25-4	0520	11449	Thu	05651 00127 77662 ... 93999 21409 56110	MFSK-16/20Bd	(AB)
XPA2	25-4	0540	12149	Thu	05651 00127 77662 ... 93999 21409 56110	MFSK-16/20Bd	(AB)
XPA2	25-4	0910	15859	Thu	00273 00066 26601 ... 94351 48966 03327	MFSK-16/20Bd	(AB)
XPA2	25-4	0930	14659	Thu	00273 00066 26601 ... 94351 48966 03327	MFSK-16/20Bd	(AB)
XPA2	25-4	0950	13459	Thu	00273 00066 26601 ... 94351 48966 03327	MFSK-16/20Bd	(AB)
XPA2	25-4	1100	17426	Thu	07681 00001 00000 34667	MFSK-16/20Bd	(AB)
XPA2	25-4	1120	16326	Thu	07681 00001 00000 34667	MFSK-16/20Bd	(AB)
XPA2	25-4	1140	14926	Thu	07681 00001 00000 34667	MFSK-16/20Bd	(AB)
XPA2	25-4	1600	15819	Thu	01395 00212 73704 ... 71966 08809 07357	MFSK-16/20Bd	(AB)
XPA2	25-4	1620	14919	Thu	01395 00212 73704 ... 71966 08809 07357	MFSK-16/20Bd	(AB)
XPA2	25-4	1640	13919	Thu	01395 00212 73704 ... 71966 08809 07357	MFSK-16/20Bd	(AB)
XPA2	26-4	0800	13881	Fri	00118 00132 30078 ... 17999 93744 12402	MFSK-16/20Bd	(AB)
XPA2	26-4	0820	14881	Fri	00118 00132 30078 ... 17999 93744 12402	MFSK-16/20Bd	(AB)
XPA2	26-4	0840	16281	Fri	00118 00132 30078 ... 17999 93744 12402	MFSK-16/20Bd	(AB)
XPA2	26-4	1100	16341	Fri	00455 00078 07310 ... 78898 49999 32751	MFSK-16/20Bd	(AB)
XPA2	26-4	1120	14841	Fri	00455 00078 07310 ... 78898 49999 32751	MFSK-16/20Bd	(AB)
XPA2	26-4	1140	13941	Fri	00455 00078 07310 ... 78898 49999 32751	MFSK-16/20Bd	(AB)
XPA2	26-4	1800	15872	Fri	00452 00140 06274 ... 49171 74052 42125	MFSK-16/20Bd	(AB)
XPA2	26-4	1820	14972	Fri	00452 00140 06274 ... 49171 74052 42125	MFSK-16/20Bd	(AB)
XPA2	26-4	1840	13872	Fri	00452 00140 06274 ... 49171 74052 42125	MFSK-16/20Bd	(AB)
XPA2	27-4	0910	15859	Sat	00273 00066 26601 ... 94351 48966 03327	MFSK-16/20Bd	(AB)

XPA2	27-4	0930	14659	Sat	00273 00066 26601 ... 94351 48966 03327	MFSK-16/20Bd	(AB)
XPA2	27-4	0950	13459	Sat	00273 00066 26601 ... 94351 48966 03327	MFSK-16/20Bd	(AB)
XPA2	27-4	1500	15881	Sat	00228 00240 21191 ... 04804 26713 40563	MFSK-16/20Bd	(AB)
XPA2	27-4	1520	14481	Sat	00228 00240 21191 ... 04804 26713 40563	MFSK-16/20Bd	(AB)
XPA2	27-4	1540	13381	Sat	00228 00240 21191 ... 04804 26713 40563	MFSK-16/20Bd	(AB)
XPA2	28-4	0800	13881	Sun	00118 00132 30078 ... 17999 93744 12402	MFSK-16/20Bd	(AB)
XPA2	28-4	0820	14881	Sun	00118 00132 30078 ... 17999 93744 12402	MFSK-16/20Bd	(AB)
XPA2	28-4	0840	16281	Sun	00118 00132 30078 ... 17999 93744 12402	MFSK-16/20Bd	(AB)
XPA2	29-4	0700	11409	Mon	06362 00301 04387 ... 57741 95481 27775	MFSK-16/20Bd	(AB)
XPA2	29-4	0720	12209	Mon	06362 00301 04387 ... 57741 95481 27775	MFSK-16/20Bd	(AB)
XPA2	29-4	0740	13409	Mon	06362 00301 04387 ... 57741 95481 27775	MFSK-16/20Bd	(AB)
XPA2	29-4	0910	18038	Mon	00928 00099 09180 ... 36795 50969 05754	MFSK-16/20Bd	(AB)
XPA2	29-4	0930	17474	Mon	00928 00099 09180 ... 36795 50969 05754	MFSK-16/20Bd	(AB)
XPA2	29-4	0950	16286	Mon	00928 00099 09180 ... 36795 50969 05754	MFSK-16/20Bd	(AB)
XPA2	29-4	1500	15881	Mon	04477 00001 00000 36663	MFSK-16/20Bd	(AB)
XPA2	29-4	1520	14481	Mon	04477 00001 00000 36663	MFSK-16/20Bd	(AB)
XPA2	29-4	1540	13381	Mon	04477 00001 00000 36663	MFSK-16/20Bd	(AB)
XPA2	30-4	0500	10249	Tue	03819 00001 00000 41654	MFSK-16/20Bd	(AB)
XPA2	30-4	0520	11449	Tue	03819 00001 00000 41654	MFSK-16/20Bd	(AB)
XPA2	30-4	0540	12149	Tue	03819 00001 00000 41654	MFSK-16/20Bd	(AB)
XPA2	30-4	0630	17437	Tue	Null message	MFSK-16/20Bd	(PY)
XPA2	30-4	0650	19137	Tue	Null message	MFSK-16/20Bd	(PY)
XPA2	30-4	0710	20537	Tue	Null message	MFSK-16/20Bd	(PY)
XPA2	30-4	1100	16341	Tue	08151 00001 00000 22255	MFSK-16/20Bd	(AB)
XPA2	30-4	1120	14841	Tue	08151 00001 00000 22255	MFSK-16/20Bd	(AB)
XPA2	30-4	1140	13941	Tue	08151 00001 00000 22255	MFSK-16/20Bd	(AB)
XPA2	30-4	1600	15819	Tue	09591 00001 00000 34272	MFSK-16/20Bd	(AB)
XPA2	30-4	1620	14919	Tue	09591 00001 00000 34272	MFSK-16/20Bd	(AB)
XPA2	30-4	1640	13919	Tue	09591 00001 00000 34272	MFSK-16/20Bd	(AB)
XPB1	1-4	0500	13527	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-4	0510	13927	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-4	0520	14727	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-4	0530	14927	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-4	0540	15827	Mon	Russian intel.	MFSK-16	(AB)
XPB1	1-4	0550	16327	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-4	0500	13527	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-4	0510	13927	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-4	0520	14727	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-4	0530	14927	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-4	0540	15827	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-4	0550	16327	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-4	1300	20038	Tue	Russian intel.	MFSK-16	(AB)

XPB1	2-4	1310	19538	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	2-4	1320	18268	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	2-4	1330	17468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-4	1340	16268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-4	1350	15868	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-4	1100	13562	Wed	Russian intel.	MFSK-16	(AB)
XPB1	3-4	1110	12162	Wed	Russian intel.	MFSK-16	(AB)
XPB1	3-4	1120	11562	Wed	Russian intel.	MFSK-16	(AB)
XPB1	3-4	1130	11162	Wed	Russian intel.	MFSK-16	(AB)
XPB1	3-4	1140	10562	Wed	Russian intel.	MFSK-16	(AB)
XPB1	3-4	1150	10262	Wed	Russian intel.	MFSK-16	(AB)
XPB1	5-4	1300	20038	Fri	Russian intel.	MFSK-16	(AB)
XPB1	5-4	1310	19538	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	5-4	1320	18268	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	5-4	1330	17468	Fri	Russian intel.	MFSK-16	(AB)
XPB1	5-4	1340	16268	Fri	Russian intel.	MFSK-16	(AB)
XPB1	5-4	1350	15868	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-4	1100	13562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-4	1110	12162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-4	1120	11562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-4	1130	11162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-4	1140	10562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	6-4	1150	10262	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-4	0500	13527	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-4	0510	13927	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-4	0520	14727	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-4	0530	14927	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-4	0540	15827	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8-4	0550	16327	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-4	0500	13527	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-4	0510	13927	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-4	0520	14727	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-4	0530	14927	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-4	0540	15827	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-4	0550	16327	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-4	1300	20038	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-4	1310	19538	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-4	1320	18268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-4	1330	17468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-4	1340	16268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-4	1350	15868	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-4	1100	13562	Wed	Russian intel.	MFSK-16	(AB)

XPB1	10-4	1110	12162	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-4	1120	11562	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-4	1130	11162	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-4	1140	10562	Wed	Russian intel.	MFSK-16	(AB)
XPB1	10-4	1150	10262	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-4	1300	20038	Fri	Russian intel.	MFSK-16	(AB)
XPB1	12-4	1310	19538	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	12-4	1320	18268	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	12-4	1330	17468	Fri	Russian intel.	MFSK-16	(AB)
XPB1	12-4	1340	16268	Fri	Russian intel.	MFSK-16	(AB)
XPB1	12-4	1350	15868	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-4	1100	13562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-4	1110	12162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-4	1120	11562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-4	1130	11162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-4	1140	10562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13-4	1150	10262	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-4	0500	13527	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-4	0510	13927	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-4	0520	14727	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-4	0530	14927	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-4	0540	15827	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-4	0550	16327	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-4	0500	13527	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-4	0510	13927	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-4	0520	14727	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-4	0530	14927	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-4	0540	15827	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-4	0550	16327	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-4	1300	20038	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-4	1310	19538	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-4	1320	18268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-4	1330	17468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-4	1340	16268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-4	1350	15868	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-4	1100	13562	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-4	1110	12162	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-4	1120	11562	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-4	1130	11162	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-4	1140	10562	Wed	Russian intel.	MFSK-16	(AB)
XPB1	17-4	1150	10262	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-4	1300	20038	Fri	Russian intel.	MFSK-16	(AB)

XPB1	19-4	1310	19538	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	19-4	1320	18268	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	19-4	1330	17468	Fri	Russian intel.	MFSK-16	(AB)
XPB1	19-4	1340	16268	Fri	Russian intel.	MFSK-16	(AB)
XPB1	19-4	1350	15868	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-4	1100	13562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-4	1110	12162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-4	1120	11562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-4	1130	11162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-4	1140	10562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	20-4	1150	10262	Sat	Russian intel.	MFSK-16	(AB)
XPB1	23-4	0500	13527	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-4	0510	13927	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-4	0520	14727	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-4	0530	14927	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-4	0540	15827	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-4	0550	16327	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-4	1100	13562	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-4	1110	12162	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-4	1120	11562	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-4	1130	11162	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-4	1140	10562	Wed	Russian intel.	MFSK-16	(AB)
XPB1	24-4	1150	10262	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-4	1300	20038	Fri	Russian intel.	MFSK-16	(AB)
XPB1	26-4	1310	19538	Fri	Russian intel.	MFSK-16	(AB)
XPB1	26-4	1320	18268	Fri	Russian intel.	MFSK-16	(AB)
XPB1	26-4	1330	17468	Fri	Russian intel.	MFSK-16	(AB)
XPB1	26-4	1340	16268	Fri	Russian intel.	MFSK-16	(AB)
XPB1	26-4	1350	15868	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-4	1100	13562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-4	1110	12162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-4	1120	11562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-4	1130	11162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-4	1140	10562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	27-4	1150	10262	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-4	0500	13527	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-4	0510	13927	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-4	0520	14727	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-4	0530	14927	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-4	0540	15827	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-4	0550	16327	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-4	0500	13527	Tue	Russian intel.	MFSK-16	(AB)

XPB1	30-4	0510	13927	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-4	0520	14727	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-4	0530	14927	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-4	0540	15827	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-4	0550	16327	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-4	1300	20038	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-4	1310	19538	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-4	1320	18268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-4	1330	17468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-4	1340	16268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-4	1350	15868	Tue	Russian intel.	MFSK-16	(AB)

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, V07F, 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, V07F, M12, F07, P07, XPA1, XPA2, XPB1
V07F	French	Russia	E07, V07, V07F, 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, V07F, 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	5 x 16-tone MFSK, 10 Bd, 20 Hz + BPSK, 250 Bd	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
HM01	Voice + WinDRM	Cuba	
M42	Various modes	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
P07	8-tone OFDM, QSPK, 62.5 Bd, 125 Hz + BPSK, 250 Bd bursts	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
Q26	4+4 QPSK 75/3000 LSB	China	M95, Q26, V26
X06	MFSK-6	Russia	Several variants X06a, X06b, X06c, X06d
XPA1	MFSK-20	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
XPB1	MFSK-16	Russia	E07, V07, V07F, 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	Itmien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	.. — — —	Hai	To	Dwojka	Twso	Two
3	... — —	Ba	Fwee	Trojka	Drei	Three
4	.... —	Bô'n	Fo	Cienciorka	Vier	Four
5	Năm	Fav	Pietiorka	Funuf	Fiver
6	—	Sáu	Six	Szest	Sechs	Six
7	— —	Ba|y	Seven	Siem	Sieben	Seven
8	— — — ..	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	—					
/	—					

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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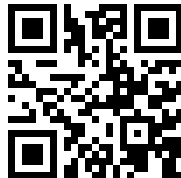
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676 27364 92656 89428 61288 74982 36498 32764 81276 81
986 48932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 76
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 11
791 87364 87265 96718 27638 12673 84769 28743 98127 0
8 63298 75698 27465 87326 49876 28376 81273 98615 86
67 87432 74328 78674 29867 32867 67867 86786 43276 89
67 68768 68763 34234 34238 68768 62342 48273 48768 23
986 98432 32432 86743 43286 43286 43286 43286 43286 43
743 85743 86743 39867 32867 86743 43286 43286 43243 86
751 86743 86743 86743 86743 86743 86743 86743 86743 86
983 98798 98754 98754 98754 98754 29867 67543 67986 86
76 87698 69876 87698 69876 87612 12341 34867 86798 602
867 43298 65656 56756 56123 32143 14321 32143 14321 321
86 82787 58765 76587 58765 76587 58765 76587 58756 765
867 76587 58765 76587 58765 76587 58765 76587 58765 765
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