

402 20000 42140 21007 12798 83221 10011 04400 70021 00
 314 14463 8581 19593 40593 81388 64568 12455 85781 53
 246 01075 18002 14984 53393 41368 28085 56955 58686 71
 157 41 61170 60688 60256 62652 95683 82429 248 73
 746 83090 07192 86437 57524 18135 26488 18824 03
 153070 90593 49368 69186 23536 24132 59165 58743
 133064 10809 86213 04685 69443 06040 32078 97693
 707856 15621 15647 84325 08096 41943 76712 55903
 384412 13741 37600 24052 72499 22656 72902 45307
 160 00441 53297 13677 27032 31016 61517 164 59
 343 4 137562 11190 26037 10692 45472 98800 15359 85
 590 71597 3830 86835 09964 69719 42008 1038 34633 46
 507 96348 3830 86835 09964 69719 42008 1038 34633 46
 715 26821 32045 36714 14449 98875 101078 60073 32264 51

Numbers & Oddities

Edition #343, April 2026

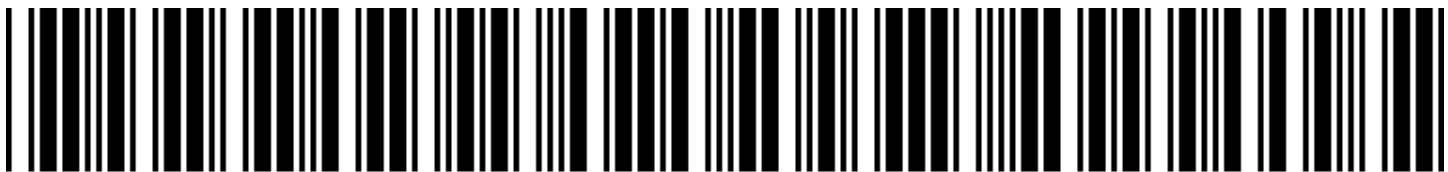
Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

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

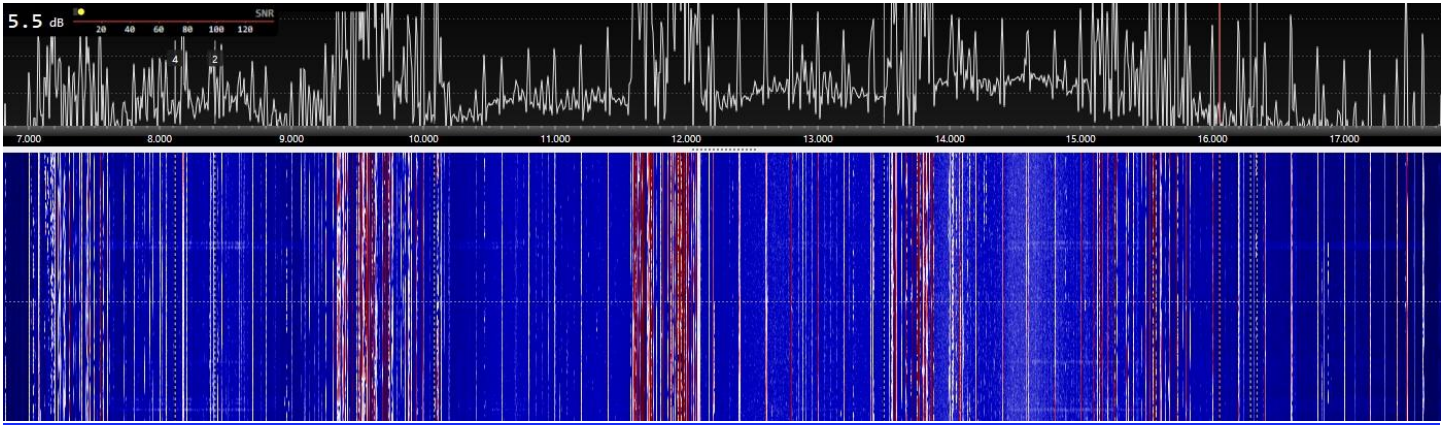


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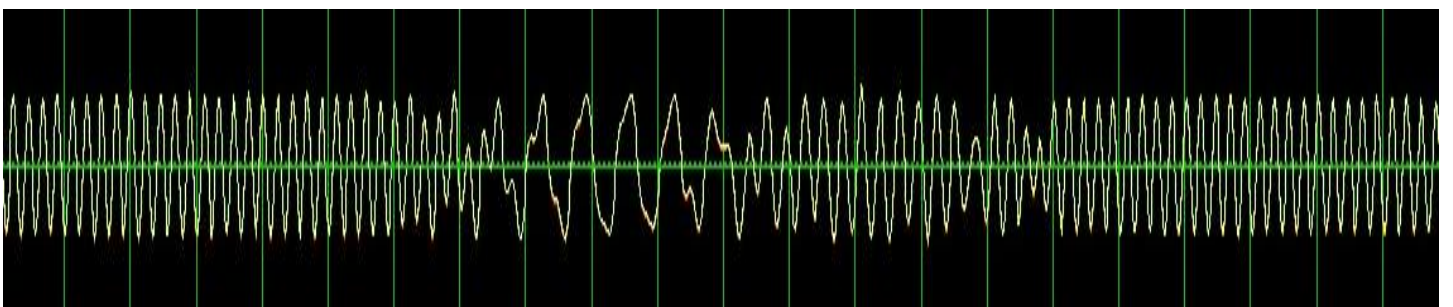


Numbers and Oddities

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NOTE FROM THE EDITOR

Welcome to the 343rd edition of Numbers & Oddities. Personal circumstances are the reason why N&O is being published so late. For the same reason, I expect that the May and June editions will be combined into a double issue to be published in early July. I would appreciate it if you could continue to send in your logs so that I can work on them whenever I have time.

Murphy's Law – "Anything that can go wrong will go wrong" – almost came true a few weeks ago. At the end of April, my radio computer suddenly died, resulting in the loss of all log files and the draft version of N&O. I did have a recent backup, but it turned out to be corrupted. Fortunately, most of the data was recovered from the hard drive. So it was a close call; the April edition of N&O almost didn't come out. ☺

V32 was still alive in April. Although extremely weak and sometimes swamped by radar signals, the 0200z transmissions were audible during a couple of local European nights.

M23 also aired messages throughout the month.

A while ago we heard about a possibly E25-related music station. The station broadcasts in the mornings on 6140 kHz. You can find a report here in N&O.



VOICE STATIONS

E06

12211/9481 kHz, 04-04, 1600/1630 UTC

14388/11567 kHz, 05-04, 0730/0800 UTC

480 319 46

23045 97962 56361 42921 51096 72408 35167 94818 36257 17368

07673 16164 89249 19093 43916 06548 98461 39435 80543 47240

39391 61725 45647 24783 27985 56056 53904 41569 51834 86912

26291 94328 62053 95871 02652 45419 80467 73960 19386 53741

36275 24956 96979 24821 38031 20397

319 46 00000

12211/9481 kHz, 11-04, 1600/1630 UTC

14388/11567 kHz, 12-04, 0730/0800 UTC

480 397 41

20107 26036 01463 02602 94958 92860 08618 03975 97375 40245

26985 70810 90937 23064 65960 40912 71874 01526 45167 68659

41702 78982 04198 27479 80651 81765 52068 94171 17240 92059

27530 84908 30460 29895 61354 51356 18701 92908 24753 79832

18610

397 41 00000

12211/9481 kHz, 18-04, 1600/1630 UTC

14388/11567 kHz, 19-04, 0730/0800 UTC

480 976 43

54198 19104 27070 62154 29105 17246 28360 05360 82701 14032

24568 84728 21395 01367 95946 25207 46969 52726 83287 87907

21592 45834 12303 45042 80648 27274 71296 84676 21278 45186

14989 36043 20356 07601 76381 23921 12702 82061 57546 10343

21516 05264 78398

976 43 00000

12211/9481 kHz, 25-04, 1600/1630 UTC
14388/11567 kHz, 26-04, 0730/0800 UTC

480 269 45
39425 76232 61548 47945 71231 30238 93450 51903 81053 50646
65080 48530 41848 12031 01573 90473 67012 76147 09201 17513
30190 34738 28376 27078 47298 17632 68787 37820 85402 52146
17942 86754 95428 17123 23623 96567 81206 17481 56762 30243
45623 80693 62142 71285 04615
269 45 00000

E07

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

16257/18257/19157 kHz, 03-04, 1500/1520/1540 UTC

221 221 221 1 917 67 917 67
48359 13832 72733 92128 86611 25871 32768 16168 29356 07946
86847 64617 24809 11263 43979 88912 11264 23530 73329 09043
32542 63109 98337 13217 72048 28404 57661 89969 61442 48217
25619 20854 41120 95076 12099 55769 43385 41679 26022 32052
47189 82213 78877 80877 82251 71838 98700 76877 05004 63607
12097 27971 71063 08992 46837 85479 39976 63579 46957 43174
67233 23550 39904 92615 33736 11788 98748 000 000

16257/18257/19157 kHz, 14-04/17-05, 1500/1520/1540 UTC

221 221 221 1 8859 112 8859 112
17135 29099 76766 06353 70457 95260 27175 24970 23165 01465
12593 91792 97363 70443 64994 92668 80607 22329 06203 50611
37221 57672 37152 65645 93843 83870 61529 94435 80993 52093
06393 60553 66416 21258 98526 70483 45694 47199 02949 64478
40220 82360 16694 81854 26409 36862 05312 24334 22244 75079
82025 86971 80682 99803 84083 65771 34456 66822 41721 94000
45378 74210 73225 04514 21029 57445 06953 28840 66382 25409
28264 34334 31340 86037 77594 41050 39157 71157 13005 90174
14339 55585 81807 25420 38724 29666 63999 86460 07575 98181
14621 01405 45771 39325 93384 19956 45700 54758 54861 80168
11647 70141 50806 08031 34276 77342 41746 42646 01374 75320
33224 59589 000 000

16257/18257/19157 kHz, 28-05, 1500/1520/1540 UTC

221 221 221 1 3540 144 3540 144
12019 08595 01914 44609 78731 76012 37312 85662 04633 63752
55131 66739 54353 60509 39618 82817 08658 23977 81948 01755
33971 88859 69495 20866 86061 55310 94999 12065 06146 71115
10189 13797 56877 28329 70096 91788 33208 33148 79911 83728
13304 28195 40390 35279 90144 84327 65962 94334 66298 50615
49338 41078 08666 67117 46402 81340 55324 98276 34159 74252
92138 24609 79535 56625 90151 53527 99428 00360 53051 45436
64899 06578 96349 96468 44528 35122 82509 37460 26841 98684
23520 65142 09583 03671 55894 23833 36959 77109 30602 65577
72081 97663 66000 70675 45702 89188 51762 55990 44004 51304
50227 15914 89207 26148 07940 36560 84103 49956 01645 81889
49088 73958 52426 81392 66576 18059 18369 63427 93911 70398
02363 81110 74960 13682 95398 90620 13422 34994 44932 52893
46061 77704 91649 22667 10810 44969 31390 58121 76009 53668
14203 05332 13409 39529 000 000

18273/17459/15891 kHz, 09-04/11-04, 1000/1020/1040 UTC

248 248 248 1 5745 186 5745 186
19471 53962 38499 19410 67238 81303 13790 65805 73234 94238
25603 06496 03085 10375 69900 00161 26105 83905 77513 45554
67673 77639 78091 56397 82439 60060 96725 95289 15981 87066
07069 29374 57315 89608 88711 02468 25211 31372 76990 37494
94812 56893 29611 39072 12484 51259 87031 53490 16317 68211
20519 91603 90774 81515 81176 75701 79171 18716 23369 50121
91542 52943 11911 33093 80272 17004 26194 79364 15670 43741
15855 15969 34469 93295 06910 49013 90949 68560 08839 89627
14351 04368 78576 75642 95066 68905 57346 37261 40890 77814
03311 05581 55243 44233 56291 48590 85038 27986 92776 31879
30109 96770 90163 73927 94770 19620 00360 71444 51041 22572
11791 80694 84512 18442 29776 24132 19457 21825 99665 10603
90670 52246 80636 70564 01833 89026 76587 35454 13556 65578
89027 15587 66358 44756 95941 03900 19950 37788 25964 43460
11268 24445 33434 00467 04514 35453 67830 99317 24270 54603
48165 42443 65340 37144 24201 47682 09042 50869 76813 55961
63592 25821 78648 12029 40487 59766 87451 51764 74617 37327
81975 33698 92631 66053 38551 32261 92001 49109 56389 73826
10841 70579 01490 57720 37636 72561 000 000

18273/17459/15891 kHz, 23-04/25-04, 1000/1020/1040 UTC

248 248 248 1 971 191 971 191
27358 52316 81265 43250 26231 32634 01755 02598 43956 17289
70994 54395 05222 11858 94329 74871 93574 00130 69378 60456
00519 58743 23563 43532 50403 72902 60046 16752 94795 11502
45078 86168 37532 93562 98146 25346 45603 47515 52123 19811
53873 32916 07106 54100 71239 18588 10611 57489 43843 16442
25857 12673 87663 26768 51093 43657 14950 16117 03738 77192
64455 64279 80960 02414 86404 54283 77755 89282 72398 47477
26557 30871 96297 72258 20861 89092 34147 87003 05691 49866
81752 38144 53554 31932 25541 60503 56961 55456 54984 06994
22507 89216 23571 41859 37458 69547 49630 55733 80213 24991
18151 26053 18900 69115 63946 34240 82299 04885 13197 76267
92597 82765 44665 28944 17765 23947 84963 79978 30968 49196
63946 86974 79077 18514 45228 87255 76556 70144 63884 69636
14565 68055 99294 06056 50189 38199 64623 97697 65107 88386
69787 79676 45252 33069 41247 14856 19484 81657 53779 48851
49462 05001 13618 59712 35215 98423 88860 11683 25797 66317
92736 08741 30209 90976 82265 19211 20711 35022 75788 79002
26625 68735 47840 66333 92460 33314 29662 06654 37982 23780
51546 38392 45612 92114 90507 22585 65590 63248 32880 54050
57853 000 000

E11a

6923 kHz, 01-04, 1715 UTC

974/36 Attention
01615 56511 83519 09401 40344 12798 01612 26858 28820 05780
82583 88803 54204 70941 89155 39806 53809 15067 58448 91890
14050 49421 90330 25768 52304 59472 84354 95855 95881 80591
31836 02917 07455 19424 79931 87270
Attention (message repeated) Out

7317 kHz, 02-04, 1900 UTC

646/31 Attention

19622 87333 80735 83027 03517 88176 83793 08448 68159 48845
89696 20636 84265 48105 71611 61454 24528 27915 91516 89677
31350 09749 46468 71619 03787 45057 67007 33002 64231 16759
99509

Attention (message repeated) Out

6923 kHz, 03-04, 1715 UTC

974/36 Attention

01615 56511 83519 09401 40344 12798 01612 26858 28820 05780
82583 88803 54204 70941 89155 39806 53809 15067 58448 91890
14050 49421 90330 25768 52304 59472 84354 95855 95881 80591
31836 02917 07455 19424 79931 87270

Attention (message repeated) Out

9079 kHz, 04-04/05-04, 0700 UTC

491/36 Attention

36685 55706 22025 33446 19154 00159 09756 53942 22979 24153
18133 20230 73505 41836 20017 35425 49139 40536 10063 88204
74472 69259 95861 27322 25291 16086 32785 61439 67717 43846
19469 76670 89570 81103 34333 16498

Attention (message repeated) Out

23353 kHz, 06-04/08-04, 0600 UTC

940/21 Attention

50417 73931 84808 15599 77892 03743 80379 36137 72600 04752
61978 98920 64318 61529 41490 87139 81611 13451 41722 28500
57568

Attention (message repeated) Out

20170 kHz, 06-04, 0830 UTC. Not repeated on 10 April

184/21 Attention

93852 94214 57110 05877 22056 24125 45478 07971 70695 90702
54929 64865 29226 67939 58221 96178 52579 94377 67314 78709
06796

Attention (message repeated) Out

13117 kHz, 06-04/08-04, 0900 UTC

532/37 Attention

76222 15555 88501 45981 54026 70365 85858 79863 37347 73904
63627 37408 90270 64872 54250 91911 89057 74873 87879 62298
79366 58891 40469 50111 25722 83945 25065 45727 74153 62092
45639 33029 33906 30547 00990 92138 11466

Attention (message repeated) Out

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

716/34 Attention

60611 00407 99777 65474 63569 34270 68281 08541 52373 55206
21986 03361 05972 36837 93196 65081 66665 09855 54613 67995
09895 30999 97974 26159 59407 34882 36915 30113 97920 54823
05178 76065 59144 98660

Attention (message repeated) Out

12385 kHz, 06-04, 1045 UTC

690/21 Attention

32177 20341 20731 36154 88437 36817 19651 76717 48701 00643
98612 19758 87162 86586 41481 94221 24530 56997 67594 41086
14403

Attention (message repeated) Out

13470 kHz, 06-04, 1745 UTC

240/35 Attention

48926 58308 39868 41910 69459 81612 73955 11458 35450 52115
47849 81629 67168 89509 41858 58529 34854 30468 23180 23172
19603 05989 61370 02864 46990 32989 26422 91063 57948 21828
03340 38775 26526 47038 40713
Attention (message repeated) Out

7317 kHz, 06-04/09-04, 1900 UTC

648/32 Attention

41411 39966 55918 67957 30122 11894 22737 44205 10774 88290
75870 46763 69932 14295 74494 15711 92415 36234 67188 72090
54444 82688 55453 67676 14217 92331 72916 32316 05508 43760
38441 67034
Attention (message repeated) Out

26756 kHz, 07-04/09-04, 0745 UTC

227/35 Attention

17159 12660 70492 88074 65808 39505 17713 58697 75200 14763
62915 07672 87518 47639 51172 98558 89508 28298 20091 56976
18589 48904 31427 74996 91373 68098 32869 70778 64562 82504
29822 75025 95565 50910 67562
Attention (message repeated) Out

18168 kHz, 07-04, 0845 UTC. Not repeated on 9 April

154/21 Attention

92215 70688 12561 98927 36697 77702 12992 11344 52352 77518
73667 67102 19982 73862 91323 23395 41967 93877 25871 31824
79525
Attention (message repeated) Out

9399 kHz, 07-04/08-04, 1205 UTC

465/36 Attention

62037 52560 00929 28733 99867 53940 51972 95003 80354 56632
12637 05169 80696 25928 81460 47840 72336 38629 70680 37643
81083 10224 93405 61946 08710 12194 78479 14523 75255 55503
11568 18647 52246 54473 12037 87537
Attention (message repeated) Out

17410 kHz, 08-04/10-04, 0745 UTC

348/35 Attention

65135 67674 34651 60601 03016 59035 38492 06629 87437 90903
42259 18150 64883 58828 05271 61323 23389 88948 22497 15461
95095 75950 23664 57378 55986 16786 21503 06118 65547 47519
65483 98687 59728 91970 84444
Attention (message repeated) Out

6940 kHz, 08-04/09-04, 0930 UTC

273/35 Attention

76096 87905 57331 21917 35646 69291 57602 56808 22496 46532
81382 34409 06369 80892 23346 08756 71395 34090 64220 85501
37689 68005 52152 54269 23754 72190 90092 66210 89649 80384
50718 45981 55471 44305 03331
Attention (message repeated) Out

18168 kHz, 09-04, 0845 UTC. New message

150/21 Attention

29838 32247 60019 13575 34145 88904 88140 42118 33435 96130
23666 57989 67743 96262 80630 63904 09697 49613 27746 75999
06294
Attention (message repeated) Out

20170 kHz, 10-04, 0830 UTC. New message

183/21 Attention
74031 22792 16223 76785 17628 58799 75197 94837 33577 74730
10404 08799 01110 83337 15568 56305 54683 51561 74512 25983
39563
Attention (message repeated) Out

8530 kHz, 10-04, 1910 UTC. Not repeated on 12 April.

617/30 Attention
28004 91422 32023 23453 12629 72850 48466 20379 78762 05366
61357 86708 23984 59073 49028 35860 67772 24819 42719 70824
95186 81841 26035 68497 60806 94607 83024 48613 27634 41357
Attention (message repeated) Out

13470 kHz, 12-04, 1745 UTC

240/35 Attention
48926 58308 39868 41910 69459 81612 73955 11458 35450 52115
47849 81629 67168 89509 41858 58529 34854 30468 23180 23172
19603 05989 61370 02864 46990 32989 26422 91063 57948 21828
03340 38775 26526 47038 40713
Attention (message repeated) Out

8530 kHz, 12-04, 1910 UTC. New message. Note the S11a id.

288/30 Attention
11803 44407 88695 59110 06329 17202 19530 18114 26642 75094
08807 60647 73622 44920 13829 69346 93868 93220 08798 32290
69056 79345 04044 25037 23148 27501 98415 20443 87744 98598
Attention (message repeated) Out

13470 kHz, 14-04/16-10, 0645 UTC

510/32 Attention
07255 82048 58295 49700 36921 59555 88352 46360 71150 40797
83789 05770 88583 59273 95837 30725 51644 29910 10495 38999
12996 21493 84919 84929 26168 63386 18017 49863 41685 69748
18639 85572
Attention (message repeated) Out

14666 kHz, 14-04/17-04, 0715 UTC

634/36 Attention
44953 67788 03536 98420 39807 12672 12458 87452 33326 86108
05351 34920 67694 76121 38530 57655 26091 35914 65870 94821
55663 85141 99308 30550 76097 84709 83843 93754 39510 58480
11629 44131 73298 70938 85674 71215
Attention (message repeated) Out

19184 kHz, 14-04/15-04, 0930 UTC

131/39 Attention
31784 57480 55840 37151 92590 48406 66537 26956 51812 81906
08189 12972 66916 38913 25599 31642 00218 79830 12234 09027
67325 83078 52910 70094 47131 07948 56668 11192 95647 15624
05324 19164 89139 67617 10058 53275 51158 26482 55161
Attention (message repeated) Out

9951 kHz, 14-04/17-05, 1000 UTC

305/40 Attention
77622 13786 94259 21558 42375 72075 00941 97718 65822 01989
82751 23792 86130 51887 29848 10980 19181 17584 58622 79093
73092 33448 88796 01274 21315 51819 19374 11834 29585 92837
09052 77881 93315 19610 24998 13527 23398 01486 37379 21390
Attention (message repeated) Out

8423 kHz, 16-04/17-04, 0720 UTC

435/31 Attention

30229 13682 93968 48986 90522 76878 37284 83504 84916 76319
56712 71427 89629 11901 98403 64061 59781 75190 26779 01665
70048 89209 66836 17963 76027 14856 30936 32228 36237 79743
38161

Attention (message repeated) Out

8680 kHz, 17-04/19-04, 0600 UTC

354/37 Attention

42267 99135 60005 50973 70676 94132 54511 10371 39548 73262
67051 38090 49945 68440 25853 96362 94457 11358 09011 51529
61264 57674 44002 87375 19117 59584 24301 23268 30740 05329
60072 01678 40043 59551 52343 40253 61034

Attention (message repeated) Out

11116 kHz, 17-04/19-04, 1815 UTC

920/31 Attention

85783 70173 16611 79651 65253 49629 56263 17421 45897 90476
83713 48862 99331 17105 23461 14344 91321 62541 23092 06120
46726 35875 08596 54689 00227 85620 95383 05849 08370 53344
26224

Attention message repeated) Out

4505 kHz, 18-04/19-04, 1645 UTC

364/40 Attention

18031 90691 18599 27002 12861 09010 21129 85529 14441 34637
45877 12924 40473 49278 72061 32126 25552 78333 29650 01579
67425 17876 26210 23929 29867 88328 41330 00897 08271 28673
25919 58700 66069 38041 47212 26158 11023 58407 51278 72501

Attention (message repeated) Out

9610 kHz, 20-04/22-04, 0645 UTC

412/34 Attention

68994 83772 92702 16363 14747 13205 21719 12121 33901 84907
08996 97187 32925 24645 50285 27773 13947 35220 14595 99500
99902 86650 58894 24016 56537 46324 53357 03695 84673 33989
00801 53283 66530 86456

Attention (message repeated) Out

5371 kHz, 20-04/23-04, 1300 UTC

311/34 Attention

88342 24709 98555 67375 82916 61171 38665 16869 64976 94253
14859 82043 70228 12374 38758 36044 19020 67712 14025 89289
77147 21887 80854 41834 76669 68726 84098 27258 50894 06325
17503 52660 42262 42339

Attention (message repeated) Out

12530 kHz, 21-04/23-04, 1230 UTC

338/35 Attention

89654 08796 76230 57225 09985 14380 51622 38267 65993 13070
58609 24710 73604 71006 33821 78798 43817 79610 92901 58419
22492 90559 83763 03755 03711 23846 95713 70645 22849 47792
94584 19166 32166 07459 60591

Attention (message repeated) Out

19515 kHz, 20-04/22-04, 0715 UTC

751/39 Attention

94431 88914 37060 59052 43952 40150 56415 51791 75217 92534
58672 95131 49031 43860 13809 17026 55870 10615 66864 37550
18437 75326 56516 75255 00499 73054 66687 73500 91474 82251
58366 05775 80998 62712 74477 76472 86279 16697 54048

Attention (message repeated) Out

5737 kHz, 23-04/26-04, 2000 UTC

525/31 Attention

67421 07775 26945 83656 09843 01630 43050 10593 77472 58891
57709 35533 64331 41047 85824 90754 98326 07673 28233 18066
99710 09917 64078 65270 21012 05819 57083 46634 62791 97353
81920

Attention (message repeated) Out

10213 kHz, 27-04/30-04, 0745 UTC

266/31 Attention

06567 80682 07131 65208 87004 07794 76322 63292 61658 96097
22194 37703 63318 82423 63138 53686 94370 49235 59519 37438
19954 79088 90853 93524 60742 77682 77628 15456 86071 83707
73427

Attention (message repeated) Out

8180 kHz, 28-04, 0700 UTC

574/39 Attention

46327 05863 00945 87861 56332 05907 02748 19658 21285 24457
13085 83484 91253 45174 23653 37281 07034 55160 56958 50066
81599 69694 29496 60622 43742 89713 89328 32914 19428 19198
61585 07321 15332 54280 09122 67668 98470 57672 03005

Attention (message repeated) Out

14972 kHz, 28-04, 1430 UTC

910/33 Attention

01465 02465 75267 47885 21572 06942 85607 73497 46247 95245
93084 06628 70895 26960 24703 41482 30122 67657 26774 92758
96129 15503 53097 98618 76526 47694 05035 52793 53619 53443
04430 79769 28589

Attention (message repeated) Out

5176 kHz, 28-04, 1605 UTC

5231 kHz, 03-05, 1610 UTC

237/31 Attention

17327 17103 32575 98573 92179 87775 18592 28540 12499 68154
36879 98343 40761 22344 58475 80260 12229 42503 38389 42063
15623 96483 71244 18511 29164 35650 93369 11006 46484 85279
73416

Attention (message repeated) Out

4181 kHz, 29-04, 1610 UTC

390/36 Attention

64288 78950 54037 63732 53540 17716 84477 82654 72490 38046
66834 63598 96386 33424 09337 86694 15072 16320 23055 15230
21308 96917 20150 52842 81508 46523 99563 31868 29361 25740
82883 83989 35279 11872 25636 65011

Attention (message repeated) Out

E25 / Egyptian Music Station

A while ago we heard about a possibly E25-related music station. The station broadcasts in the mornings on 6140 kHz. Priyom members qsr711 and sauerstoffdioxid logged the station many times. Below their report. Many thanks gentlemen!

General Information

We believe this station is related to the E25 Egyptian numbers station. While no messages have been observed on this new station yet, there are some similarities to E25's operations of the past. For starters, it's using the same frequencies as E25. It sends scheduled transmissions during the same operating hours as E25 used to operate in. Furthermore, almost all the music has been created by Egyptian artists, including Oum Kulthum which was supposedly one of E25's favourite artists.

Audio Source:

Like E25, the sounds are produced by a Windows 7 computer with its line-out directly hooked up to the transmitter. Therefore it is often leaking system sounds, including most commonly “Windows Navigation Start”, log in and log out, shut down, and even hardware plug in/unplug has been observed. It’s using the Windows 7 “Characters” sound pack.

Scheduling:

Transmissions typically happen between 7z and 12z (inclusive) and can be several minutes late or early compared to their scheduled time slots. Unlike E25, this seems to not be tied to the frequencies in use. Monitoring during summer 2025 showed usage of 9450 kHz as early as 7z. Instead it appears this station has shifted to adopt summer/winter schedules, with each one using only one frequency (summer on 9450 kHz, winter on 6140kHz). Further monitoring over the next few months may reveal if that assumption is true. Schedules appear to follow daylight savings time, so that might mark the time point schedules/frequencies switch.

Transmitter:

So far only a single transmitter working in AM mode has been observed. Priyom member qsr711 said he’s “certain that transmitter is not the same E25 used to have”. It has a much quicker tune up time, going from carrier appearance to transmission within a couple of seconds. The same transmitter has been used for both 6140 kHz and 9450kHz transmissions.

Music choice:

Most music is sung by Egyptian artists. The few exceptions appear to be famous icons of Arabic music, so their country of origin might not be of any special relevance. Song picks appear fairly random. There are transmission slots that seem to stick to one particular song, while at other times the choice appears to be completely random. Even within slots that appeared to be consistently one specific song, it has been observed that the song randomly changed the next week. Further monitoring is required.

It looks like they really like Amr Diab and Oum Kulthum as artists. They are the most played.

Thanks to this month's monitoring we have found out that this station follows the Egyptian DST switch implanted since 2023, meaning that the schedule shifts to one hour earlier starting from 24 April 2026 (last Friday of April) until October 30 (last Thursday of October). During this month, no appearances of any numbers have taken place. Remains to be seen when they change the frequency to 9450 kHz, if they ever do.

Songs	Artist and title	Notes
A	Amr Diab - تيهون ال ل يلاى ولا	
B	Tir Bina Ya Qalbi by Mouhamed Fawzy	My fav Radio Cairo recording
C	Amr Diab - Alby	
D	Sabah* - Ashka We Meskena	Doobee doobee; aka. By2ololy Tobe
E	Mohamed Mounir - A Yasmarany	digi sounds
F	Amr Diab - بد حد بك يلا لى انت	bahaghdad x2, habibi x3
G	Bahaa Sultan - Ya Hagerny	
H	Ala Eidak by Sherine Abdel Wahhab	Banger song
I	Amr Diab - Betwhashny	be doo, Hash Meee
J	Sherine - 3la Bali	
K	Abdel Halim Hafez – Ahdan El Habayeb	https://voca.ro/1lzadc7wLxLS
L	Fairuz* - Asameena	Libanese artist
M	Bahaa Sultan - Ya Tara	
N	Umm Kulthum - Ya Messaharni (Rame/Makawi)	
O	Hussain Al Jassmi - Ghaly	
P	Shaimaa ElShayeb - Aw3dk	
Q	Sherine – Btamenak (Bi Kelma Menak)	recording has short voice blurb after the song ends
S	Fayza Ahmed - Bahebek Ya Masr	
T	Ala Chan Echouk Elli Felouard by Mohamed Abdel Wahab	
U	El Qamas (Radio Edit) by Sherine Abdel-Wahab	Sherine - El Qamas
V	Abdel Halim Hafez - Ay Dama'et Hozn La	
Y	Bahaa Sultan – Ehlef	
X	Not a fixed song but seemingly random	Sometimes D but other unlisted songs as well

14360/13517 kHz, 08-04, 1230/1300 UTC. Waterfall only**9116 kHz, 01-04, 1730 UTC****7362 kHz, 01-04, 1800 UTC. Waterfall only**

480 752 41

29406 17127 12173 87893 85384 30528 72614 15739 43512 17070

24067 75052 18701 42627 65190 57529 15976 81042 29505 25472

21683 02062 41084 39080 59069 79572 62561 83168 95465 85659

19562 05865 41838 47061 40216 67476 67678 30891 21402 36436

16920

752 41 00000

14360/13517 kHz, 08-04, 1230/1300 UTC**9116/7362 kHz, 08-04, 1730/1800 UTC**

480 256 44

48978 50926 06476 57649 45756 72659 78402 85139 29678 62865

96509 31619 56362 36869 58374 72357 35701 15408 30803 78675

58610 28297 69535 74397 96161 78102 48161 98970 74386 08342

94747 16727 76574 62103 90893 96137 62064 52594 40430 90848

31627 98156 70484 65627

256 44 00000

14360/13517 kHz, 15-04, 1230/1300 UTC**9116/7362 kHz, 15-04, 1730/1800 UTC**

480 125 46

24052 64838 82549 20860 90614 02485 62802 45484 68946 56976

76751 35705 18705 10735 60353 02406 40493 85215 81054 50424

18284 38347 46023 63913 89423 14748 42783 65865 96513 67101

67935 53604 60659 23638 83682 75818 17275 20576 47146 61303

19571 78248 82847 59603 58352 90648

125 46 00000

14360/13517 kHz, 22-04, 1230/1300 UTC**9116/7362 kHz, 22-04, 1730/1800 UTC**

480 135 42

85912 47329 07169 85987 82405 65830 08468 85102 09381 31639

31595 89376 26594 34713 87234 86324 87284 61638 18427 37084

76969 15672 61915 84378 69243 32623 32520 10596 36938 69479

14584 95817 19046 34203 26141 62318 15789 94735 40715 18285

04824 67509

135 42 00000

14360/13517 kHz, 29-04, 1230/1300 UTC**9116/7362 kHz, 29-04, 1730/1800 UTC**

480 153 47

39537 96703 51868 27431 05345 72494 82316 85845 37839 57865

24819 29525 32168 43780 08969 62356 53628 61574 91091 70978

68646 35191 42493 72090 58465 05379 03473 86787 52758 80512

94785 03258 40126 94894 35250 79478 78098 75615 47234 38947

57248 31054 04682 86265 38676 34547 46709

153 47 00000

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

480 216 35

21697 61512 90386 93513 76903 27345 45794 88021 67917 30566

81464 58240 48571 32696 41791 85103 93321 30017 03178 00608

87037 46267 56260 92671 18014 41445 68691 12817 85140 91423

01933 53870 55173 18042 80485

216 35

480 359 24
05988 11217 39439 62954 77513 85175 72428 51583 77660 63796
19316 76719 65720 60406 06093 40064 83957 30153 02606 36439
09387 47631 04466 32052
359 24 00000

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

480 480 480 00000

06 and 07 April not monitored

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

480 371 26
58901 41424 72567 83456 51386 71555 65568 79222 79229 31921
53519 51460 12108 01156 55848 03536 72982 99708 77991 53623
82674 56458 63243 87697 93595 21134
371 26
480 259 34
25450 91890 13195 01471 57900 71692 05717 60451 78705 25442
24152 06453 04698 69598 87304 90989 55924 91779 45144 98361
01127 46892 03242 86566 56045 17433 67996 32214 01755 73880
82362 77883 15196 96125
289 34 00000

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

480 480 480 00000

11616/9322 kHz, 13-04/14-04, 0400/0420 UTC

480 962 51
81183 33246 24276 57613 63436 54054 68894 47969 73295 02640
52704 93591 45126 34598 47500 97580 90011 58241 34373 38016
36512 82177 60339 44883 84034 25874 09921 51697 29728 97899
15097 39032 54853 71529 52074 12125 81564 12395 98316 79751
36041 37887 48258 26558 78895 12964 11151 96041 88816 12092
39474
962 31 00000

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

480 271 36
01483 37490 78586 16433 27861 22865 46592 30787 14517 46887
01973 91725 77972 50838 19455 89560 28153 51217 90896 05336
54052 86815 54360 24939 38007 08838 38512 29862 53272 87543
89546 00565 24590 33823 72815 93376
271 36
480 369 24
30207 41111 03850 39300 53785 79599 36674 92351 98745 78208
75225 94962 72691 10481 39825 86795 39235 96018 11179 59844
75612 82293 08163 91072
369 24 00000

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

480 480 480 00000

11616/9322 kHz, 20-04/21-04, 0400/0420 UTC

480 125 60
03953 77643 58848 67598 44936 24309 33226 06382 81427 60150
82004 11313 77206 24262 76607 94278 40523 76914 88469 37914
86858 82109 45594 87149 40459 83997 58352 46965 66821 38069
19211 99764 53329 83072 06069 40817 80216 64592 43896 55209
49057 46226 04364 44728 60950 69293 48148 58130 61613 47019
39591 83227 95546 04129 88426 74222 36473 97785 98229 12739
125 60 00000

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

480 763 29
13022 82356 35155 42391 82894 72601 09813 28072 49345 75451
78908 57061 58221 71394 76109 28812 37417 28100 55743 69927
69742 83512 02053 49153 11591 57964 83458 17453 37103
763 29
480 912 30
42817 99596 59360 36827 39124 58955 92418 19304 16619 67982
25302 22357 24587 68883 22913 14912 04698 30238 04303 47967
65634 38893 95866 89307 00395 05228 51426 92686 75960 30237
912 30 00000

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

480 480 480 00000

11616/9322 kHz, 27-04/28-04, 0400/0420 UTC

480 573 60
30826 07033 24360 05284 70431 69233 05749 11721 37859 71570
88240 02312 02103 52239 03990 18775 51407 25789 67323 15618
47736 24182 23772 24095 40316 33264 76173 01425 05445 60578
67493 63691 04766 95469 25090 25876 79180 47404 96078 97458
20597 73456 28504 07023 88696 30892 78001 54294 64905 15781
44627 13070 60762 73590 69559 33459 22871 92684 46348 16869
573 60 00000

11616/9322 kHz, 29-04/30-04, 0400/0420 UTC

480 357 21
34882 84600 59072 90326 13677 53732 35089 95161 26345 83253
32267 22160 33184 08234 68791 51479 56150 19280 76877 15078
84413
357 21
480 692 30
81402 15327 56072 80965 64038 61214 25118 04606 76148 00582
62444 25612 12724 39521 29147 77667 58173 55028 59990 58485
95566 09988 82071 41910 60903 93257 58982 17466 34584 45781
692 30 00000

S11a

10213 kHz, 08-04/11-04, 1850 UTC

288/30 Vnmaniye
09429 72421 39174 36029 60394 45737 94940 52807 85259 33806
54221 01923 72904 13948 33996 13638 02901 40290 88584 48100
40025 70576 10958 27102 03367 75817 69472 39715 87839 90248
Vnmaniye (message repeated) Konets

10728 kHz, 21-04/23-04, 0445 UTC

793/40 Vnmaniye
92659 69681 91203 75029 06014 75164 46545 12075 61315 36479
49763 43790 43393 54636 91278 44739 19292 27223 36493 57742
09960 68148 47664 71655 31369 28215 01125 20509 64005 30962
29711 05134 08528 48158 63160 38083 34609 47538 50578 77104
Vnmaniye (message repeated) Konets

11420 kHz, 21-04/24-04, 1400 UTC

425/38 Vnmaniye
55971 19735 04870 83093 16863 85014 52308 74736 00782 29366
80429 43569 49750 55452 06768 18204 73467 69338 41685 41581
77305 29493 53493 73361 08090 30254 50194 13886 28496 04601
35796 52574 75139 47041 05746 20755 57674 74396
Vnmaniye (message repeated) Konets

6433 kHz, 25-04/26-04, 0830 UTC

371/32 Vnimanije

03760 10134 95444 69415 97846 90703 68501 99136 80956 85463
57236 82263 42210 79732 03072 13575 65888 59799 69657 61974
31788 15775 10660 90055 78584 24302 62935 34465 13968 73129
36805 94150

Vnimanije (message repeated) Konets

23004 kHz, 27-04/29-04, 0510 UTC

657/38 Vnimanije

43192 88103 18211 12014 32309 49285 88584 07446 30362 53141
33264 24466 58868 97427 01683 48359 42538 92170 87011 30187
32507 16078 89479 58580 53691 71151 47854 63252 11074 82795
75173 51861 82950 28916 78359 55279 20711 58702

Vnimanije (message repeated) Konets

8597 kHz, 27-04, 0700 UTC

479/39 Vnimanije

58739 03652 69695 96417 86072 37591 49433 06296 97470 37830
04798 47164 92649 05703 88921 95670 94716 48635 57384 87064
17279 25415 07516 11986 81444 34459 40543 45602 93419 52701
83385 60229 93301 52038 29815 02848 77125 71048 66000

Vnimanije (message repeated) Konets

6480 kHz, 27-04, 0915 UTC

480/37 Vnimanije

59102 10010 39136 32179 00669 76421 05332 67414 94059 43549
08148 52836 30572 82775 11945 99201 09906 61998 31936 38536
16177 52662 68909 31193 94586 82002 01946 03148 06185 24020
60499 40135 88758 55902 54116 64039 86950

Vnimanije (message repeated) Konets

V07

17431/16131/14431 kHz, 05-04, 0200/0220/2040 UTC

414 414 414 1 8004 103 8004 103

32685 43871 44932 08471 51405 (too weak to copy)

17431/16131/14431 kHz, 12-04, 0200/0220/2040 UTC

414 414 414 1 2282 125 2282 125

48620 03863 41338 48789 92366 29254 95289 77763 30176 65491
87713 05843 38711 96089 78995 19428 06838 78947 37991 85041
21414 28119 14713 17377 93519 7141 41156 66847 79801 07552
26433 96213 58036 88944 79716 72546 21940 90612 66484 10344
93296 23665 91053 07478 87002 91613 33411 96504 40582 90656
52949 99823 62699 56848 99663 94631 92094 17826 45860 71261
25766 73756 19383 14992 69840 51851 52439 41135 12040 78124
19521 57602 09289 81213 83976 84891 22593 08760 94420 85817
90970 95121 11843 27869 25077 17033 68576 56513 17177 19770
72380 75926 68153 12744 97593 81354 79140 72975 29079 00378
23236 21169 87165 42660 34516 22917 99777 85048 74665 76598
94369 44598 67789 37302 88192 77778 68416 45700 01896 68489
99702 07123 19952 72312 83158 000 000

17431/16131/14431 kHz, 19-04, 0200/0220/2040 UTC

414 414 414 1 4817 60 4717 60

67293 99879 56470 39252 09176 22056 11858 09115 55557 11914
91267 36323 90095 87343 98291 42984 5166? 80887 07139 67722
61020 62416 82870 68911 34238 58988 02477 96610 92711 22808
41054 12440 49553 13887 89989 61174 49443 40858 26269 02491
95148 71983 41119 07950 82027 68151 20628 05820 70025 66734
38655 87682 74824 93710 28842 41536 2?17? 12527 79638 04053

000 000

17431/16131/14431 kHz, 26-04, 0200/0220/2040 UTC

414 414 414 1 2233 87 2233 87

20262 14931 63684 09871 91736 (too weak to copy)

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

15890 kHz, 05-04, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 1282, 7906, 8842

Group Counts: 31, 34, 30

5816 5647 8101 7682 0592 0930 9305 5706 6550 5165
4999 5154 5299 2806 7366 4155 5159 3211 3916 6773
9909 1478 7695 2048 6645 0649 6525 7277 1353 1982
2664

4212 4581 7023 9108 0855 0156 3815 2604 6599 3638
7099 3173 2877 8042 5096 3203 8184 1143 1401 0103
1235 1064 4704 2390 3933 7711 5428 2539 3773 1849
6977 8981 2281 9543

8351 4939 6020 6361 5456 6420 9221 9627 2140 2489
8309 1159 3968 7568 7114 6139 8080 7001 7586 5919
2591 4449 5417 8452 7907 2112 0364 5025 4574 6929

18040 kHz, 05-04, 0030 UTC. New Star Broadcasting. Station 4

Unit IDs: 1123, 4253, 8851

Group Counts: 33, 32, 34

9280 0455 0537 2160 6942 6590 3381 1402 3813 5192
4758 1049 5592 3299 1484 3249 6079 2695 8976 8526
9315 1719 5232 2511 1843 1808 4486 3657 4822 4806
4893 3202 7489

7182 8468 8229 1922 4353 8234 0679 0031 4942 2793
9978 2412 5977 6641 6966 5829 6660 0920 7202 0065
7121 8453 3309 8203 1192 1737 8585 5661 6464 8481
7651 4317

8205 2481 9267 4494 9712 4623 6535 3803 0227 2349
9919 0923 9958 7267 3394 1363 4386 4005 2923 4224
3705 5188 9928 9998 8279 8338 9213 1549 3998 3247
7767 9093 5405 8869

Note: started three minutes early.

21000 kHz, 05-04, 0100 UTC. New Star Broadcasting. Station 1

Unit IDs: 4038, 6145, 7200

Group Counts: 33, 30, 31

3439 8899 7629 6611 0079 3004 9291 3228 2772 3073
8364 7672 6124 6048 0883 7366 8051 5396 7533 7538
1677 4682 4316 0042 4020 3920 8673 6841 7156 6770
5559 6919 5273

0738 6253 7695 3762 6095 8928 7196 4847 3057 3951
5424 1390 2730 2177 8122 5965 9327 3044 9511 1754
7338 9004 6761 0563 1653 2838 8171 3028 3613 4234

1205 3924 0076 0072 3610 2945 7883 3605 2697 1978
7703 9279 5366 0644 0094 6126 7429 3361 4596 5194

3947 8005 0446 9321 8894 7642 0240 2865 7831 1090
1812

16050 kHz, 05-04, 0230 UTC. New Star Broadcasting. Station 5

Unit IDs: 1407, 2971, 4700

Group Counts: 32, 34, 32

7919 7771 7651 8047 2828 9627 2632 0848 6536 5758
2506 9977 1212 9902 5937 1511 3928 6244 5624 3361
0159 5779 6803 0348 6451 7867 8490 9934 1354 5552
3041 7868

9706 1337 8438 3258 1182 7552 4947 9235 7519 3314
1355 7263 4247 3264 8679 4710 3877 2408 3484 5477
3771 2760 8875 7518 7991 6476 2864 3437 5030 6827
5978 6041 9642 7004

1042 7549 9156 0390 7534 0058 1760 2379 0037 2468
8614 1621 8447 5796 8099 7578 8941 4537 4177 2232
6430 5169 8029 7533 7356 1887 3282 8246 7494 0066
0279 5188

9276 kHz, 05-04, 0300 UTC. New Star Broadcasting. Station 2

Unit IDs: 0156, 0900, 6753

Group Counts: 31, 33, 30

8077 0947 6715 1867 4568 6244 0892 0832 2986 3733
0559 2420 7188 1428 1394 1012 8932 1387 8089 9243
4296 6629 2328 8108 6785 9211 5964 0082 0154 4308
1777

8879 9152 7581 6572 4427 0244 2354 9979 7754 6606
9832 6880 9162 6927 8047 1607 4782 0943 6078 5372
2193 4358 5304 4945 0779 3589 0231 2862 9426 7729
5030 7898 9457

2239 2462 5136 9352 8056 6188 9277 9138 5612 7823
2193 8544 3549 1310 8581 6559 6781 5924 0444 6162
0438 1342 6086 3987 9247 1448 8846 4454 1217 0343

15890 kHz, 12-04, 0030 UTC. New Star Broadcasting. Station 3

Unit IDs: 1709, 8005, 9399

Group Counts: 30, 32, 32

2115 5885 6264 4873 6873 4153 6042 2396 1061 5875
0560 3121 7281 6181 9644 3750 7436 6313 5347 7642
3956 3859 2087 8961 3051 3992 5209 5931 6831 7295

3722 0007 4158 8091 1718 2336 4610 2133 4735 8445
7172 7017 8929 6599 0650 1448 1189 5936 6990 6230
0491 8267 2829 9331 4408 5854 5490 8324 5236 3718
1981 1598

6242 1952 8243 9670 3698 9917 6731 8283 0664 9296
6398 8506 8516 9630 7848 6637 4805 9205 4557 8382
2002 6678 3349 3236 3326 0340 3071 6856 7830 8499
8132 3953

20025 kHz, 12-04, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 1592, 5409, 7180

Group Counts: 34, 32, 30

2044 9919 1233 4526 0057 8373 4373 3307 2794 2034

3438 9903 7919 6984 4109 7732 0551 3774 5744 3350
6493 8057 4437 0362 4361 8704 4237 8491 0285 0500
7028 6066 4683 4957

7056 5402 7540 2543 8269 2354 0086 3449 1192 2660
7262 8849 7676 4163 9396 7199 1531 9072 3302 2739
8519 4235 5339 7894 9886 8134 5387 1995 0572 4778
3721 1118

8657 5734 3445 6871 3238 9105 8999 8895 0238 3931
9965 8600 4622 2157 9194 7041 5150 3452 9103 6083
0461 9031 5499 0408 3968 0442 1622 6871 2106 3474

15890 kHz, 22-04, 0030 UTC. New Star Broadcasting. Station 3

Unit IDs: 4462, 8315, 8812

Group Counts: 35, 30, 30

3038 1527 5804 1661 8555 7512 0789 5050 6370 6504
8957 4998 6107 8333 6052 7372 2238 4395 9392 3818
3601 2987 7298 9222 1692 5455 9471 0769 4947 5753
4781 0873 3058 2079 5289

5984 6283 1959 3022 8294 2090 7115 7941 2928 5757
3728 4999 3275 0670 0427 1018 5642 2518 0163 1381
3247 0414 3871 6695 5463 2024 7313 5979 3935 0162

3570 9838 6297 2665 9760 1876 4404 0247 0796 1269
1402 5261 3374 0694 1267 4123 2418 5792 3814 0832
2250 2890 8134 7462 7066 1204 3819 7107 2651 7843

18040 kHz, 23-04, 0030 UTC. New Star Broadcasting. Station 4

Unit IDs: 0521, 3541, 7640

Group Counts: 33, 32, 32

3464 3808 5489 0640 6999 4216 6729 5486 6660 9615
7984 9388 8934 9945 4593 4145 6125 8330 7501 7827
6999 1792 2201 4452 3123 6373 0736 8860 9784 8673
7053 7539 6904

7041 1103 7387 4282 0224 0742 5647 0568 1851 8994
7064 5276 5561 8223 2292 0682 2173 4076 8920 3061
2592 1668 0891 6981 4485 2176 8291 1992 6639 8521
3472 4040

2295 9602 7487 4455 7577 6105 3426 3823 3327 1254
2022 4601 0980 7460 9188 2366 8860 5804 4084 3582
3006 2830 7824 6209 1222 8411 0304 9552 5319 0384
2197 0331

15890 kHz, 30-04, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 0143, 8718, 9703

Group Counts: 33, 32, 31

8679 4154 7383 3043 0313 8025 1136 6030 5612 3061
3227 9854 9107 1887 0061 9529 5717 6139 5590 8735
1646 6984 3083 1577 7560 6846 5731 8561 1411 8989
0577 2423 4075

3256 4875 6368 5947 2456 0860 9450 5969 5269 4031
6546 5479 7511 6010 5911 1902 5770 6560 2890 9995
7173 6066 1184 9694 6107 4073 7984 7695 7929 2691
7761 3022

4925 1187 5559 3444 8767 0167 4451 8859 1339 9339
3692 1303 0289 3316 7614 6766 6671 1805 8836 4830
8671 4146 4248 0587 8455 8550 9048 9737 6405 7102
0472

V28 - 앵무새 Aengmusae (Parrot)

5511.2 kHz, 02-04, 2204 UTC
5510 kHz, 03-04, 1002 UTC Female operator
5215 kHz, 03-04, 1004 UTC Male operator
5510 kHz, 03-04, 1035 UTC Test? Off at 1040z
3005 kHz, 04-04, 1005 UTC Female operator
5490 kHz, 04-04, 1005 UTC Female operator
5252 kHz, 04-04, 1005 UTC Female operator
3005 kHz, 05-04, 1000 UTC
3042 kHz, 05-04, 1000 UTC
5490 kHz, 05-04, 1000 UTC
5005 kHz, 06-04, 2202 UTC
5491 kHz, 06-04, 2202 UTC

V32 – Farsi station

The station transmits with reduced power since early April. We haven't received any reports regarding the 1800z broadcasts, but fragments of messages in Farsi were heard between 0200 and 0400z.

7910 kHz, 09-04, 0200 UTC Messages in Farsi
7910 kHz, 14-04, 0303 UTC Messages in Farsi
7910 kHz, 15-04, 0238 UTC Messages in Farsi
7910 kHz, 16-04, 0200 UTC Messages in Farsi
7910 kHz, 17-04, 0255 UTC Messages in Farsi
7910 kHz, 19-04, 0204 UTC Messages in Farsi
7910 kHz, 21-04, 0214 UTC Messages in Farsi
Not monitored after 21 April.

RUSSIAN OPERATOR 6 TESTS/EXERCISES

The following report comes from PY/Priyom.

In April we've seen some test transmissions that shifted a few kHz aside from their nominal frequency - a practice occasionally observed in production.

M14 10755 kHz, 30-03, 0825 UTC

975 (R2m50s, TX issues) [2m20s silence]
4 52539 [2s silence]
975 (R1m25s) 143 143 60 60 = =
90819 61082 44373 26030 11811 10644 91693 42506 05176 90498
46645 48311 52618 35702 92207 71793 38134 52539 66321 10254
61191 78160 28829 08380 47654 28984 72254 55928 56916 30067
37381 09316 08643 42608 19535 66841 77594 31792 76546 52192
29947 [40s silence]
975 (R1m30s)
72254 55928 56916 30067 37381 09316 08643 42608 19535 66841
77594 31792 76546 52192 29947 42146 74294 85954 99556 72610
30795 49785 27600 68499 44759 72958 14034 72544 19562 95956
54309 02205 18558 90799
= = 143 143 60 60 00000

Recomposed message

975 143 143 60 60 = =
90819 61082 44373 26030 11811 10644 91693 42506 05176 90498
46645 48311 52618 35702 92207 71793 38134 52539 66321 10254
61191 78160 28829 08380 47654 28984 72254 55928 56916 30067

37381 09316 08643 42608 19535 66841 77594 31792 76546 52192
29947 42146 74294 85954 99556 72610 30795 49785 27600 68499
44759 72958 14034 72544 19562 95956 54309 02205 18558 90799
= = 143 143 60 60 00000

M14 11073 kHz, 30-03, 1158 UTC. Two series of fast beeps

M14 11073 kHz, 30-03, 1215 UTC

352 (R3m20s) 352 [1m27s silence] 352 (R2m) 352 789 789 60 60 = =
12256 37727 04518 59288 80534 65150 12303 54213 48327 35880
54394 54824 41901 55067 00557 05042 31317 00326 50464 36214
13230 29520 41356 49165 39890 19499 10485 70176 17768 52984
98284 10569 24249 95780 03197 84595 15829 31517 24097 65318
26253 46084 51254 83164 78033 78972 91765 96837 55784 83691
40400 91290 14806 64457 31790 82426 23368 81338 34903 33235
= = 789 789 60 60 00000

M14 9463 kHz, 30-03, 1340 UTC. Two series of fast beeps

M14 9463 kHz, 30-03, 1400 UTC

801 976 976 52 52 = =
57222 64319 72051 98734 31182 08119 89101 14386 62115 29605
47704 48714 67574 62207 18404 46406 05823 46441 24746 05053
39114 40032 62659 15798 55656 [6s silence] 1500 87119 [14s silence]
801 (R50s)
46441 24746 05053 39114 40032 62659 15798 55656 21500 87119
40403 73709 04385 52032 54433 76246 04306 14283 11237 49619
26044 37882 06420 24664 62821 59140 47493 43689 24990 98823
58379 01781 40286 32215 73478
= = 976 976 52 52 00000

Recomposed message

801 976 976 52 52 = =
57222 64319 72051 98734 31182 08119 89101 14386 62115 29605
47704 48714 67574 62207 18404 46406 05823 46441 24746 05053
39114 40032 62659 15798 55656 21500 87119 40403 73709 04385
52032 54433 76246 04306 14283 11237 49619 26044 37882 06420
24664 62821 59140 47493 43689 24990 98823 58379 01781 40286
32215 73478
= = 976 976 52 52 00000

Interference from a commercial broadcast on 9460 kHz

S06g 9463 kHz, 01-04, 1746 UTC. Carrier up

S06g 9463 kHz, 01-04, 1755 and 1758 UTC. H3E USB 1200Hz test tone

S06g 9463 kHz, 01-04, 1801 UTC. Carrier retuned to 9466kHz away from 9460kHz broadcast

S06g 9466 kHz, 01-04, 1803 UTC. H3E USB 1200Hz test tone then S06 "801" once

S06g 9466 kHz, 01-04, 1815 UTC

801 53019 (R3m) 801 [37s silence] 53019 801 801 801 53019 [50s silence] 801 53019 (R3m15s) 249 35
00704 07161 22050 95782 17144 93825 83460 72056 88671 22477
82853 55074 60879 03375 58027 41322 28667 48401 [40s silence]
801 (R1m15s) 01 53019 80 801 801 01 801 (R1m)
55074 60879 03375 58027 41322 28667 48491 (group corrected)
30291 21789 44224 79701 91394 35379 77831 [1m06s silence]
801 (R1m)
30291 21789 44224 79701 91394 35379 77831 02477 11265 26332
98699 77878 46226 04071 67996 56940 52395
249 35 00000

Full recomposed message:

801 53019 249 35
00704 07161 22050 95782 17144 93825 83460 72056 88671 22477
82853 55074 60879 03375 58027 41322 28667 48491 30291 21789
44224 79701 91394 35379 77831 02477 11265 26332 98699 77878
46226 04071 67996 56940 52395
249 35 00000

S06 10755 kHz, 02-04, 1314 UTC. H3E USB 1200Hz test tones then S06 "975" once

S06 10755 kHz, 02-04, 1340 UTC

975 (R4m) 813 60
86107 80179 80348 94330 75372 88391 78420 07533 44567 95110
39857 74537 81715 06638 02103 87226 44556 78241 49377 81126
57848 44442 82881 80191 06096 26363 76265 67874 57609 95802
14777 76643 80856 00751 41547 [20s silence]
9 [4s silence] 975 (R3m30s) 75 975 (R1m15s)
00751 61547 (group corrected) 13149 39042 81996 59441 61215
73834 35562 61908 29867 14202 00600 91277 38540 71279 77484
47935 56711 05208 05761 98807 40088 74880 56366 58611 30586 [4s silence]
9 [4s silence] 9 [3s silence] 975 (R3m)
05761 98807 40088 74880 56636 (group corrected) 58611 30586
813 60 00000

Full recomposed message:

975 813 60
86107 80179 80348 94330 75372 88391 78420 07533 44567 95110
39857 74537 81715 06638 02103 87226 44556 78241 49377 81126
57848 44442 82881 80191 06096 26363 76265 67874 57609 95802
14777 76643 80856 00751 61547 13149 39042 81996 59441 61215
73834 35562 61908 29867 14202 00600 91277 38540 71279 77484
47935 56711 05208 05761 98807 40088 74880 56636 58611 30586
813 60 00000

S06 11073 kHz, 04-04, 1148 UTC. Carrier up

S06 11073 kHz, 04-04, 1157 UTC. USB 1200Hz test tone

S06 11073 kHz, 04-04, 1200 carrier retuned to 11074kHz

S06 11074 kHz, 04-04, 1200 UTC. USB 1200Hz test tones then S06 "352" once

S06 11074 kHz, 04-04, 1210 UTC

352 (R3m45s) [44s silence] 054 448_0 04666 [4s silence]
352 (R1m20s) 476 59
48672 20541 44810 04666 90948 54699 46561 53658 64360 00205
47497 31150 44673 10097 58788 97842 34695 69859 40136 88847
67481 07255 17792 47008 91688 12802 55489 22326 87480 13082
89944 92197 86449 [37s silence]
2 352 (R55s) [8s silence] 352 (R10s) 35 [17s silence]
352 [11s silence] 352 (R20s) 3 [31s silence] 352 (R1m)
47 [7s silence] 352 (R1m)
87480 13082 89944 92197 86449 64070 66147 82137 93967 56673
33812 91671 37427 51654 90780 55099 88791 86150 84333 91805
34903 18952 06350 25810 93976 06744 43252 79242 01733 28486
66675
476 59 00000

Full recomposed message:

352 476 59
48672 20541 44810 04666 90948 54699 46561 53658 64360 00205
47497 31150 44673 10097 58788 97842 34695 69859 40136 88847
67481 07255 17792 47008 91688 12802 55489 22326 87480 13082
89944 92197 86449 64070 66147 82137 93967 56673 33812 91671
37427 51654 90780 55099 88791 86150 84333 91805 34903 18952
06350 25810 93976 06744 43252 79242 01733 28486 66675
476 59 00000

M14d 10755 kHz, 05-04, 1740 UTC. Two series of fast beeps

M14d 10755 kHz, 05-04, 1800 UTC

975 96412 (R1m45s) 975 975 975 9 [5s silence]
975 975 96412 975 96412 (R2m) 068 068 32 32 = =
04718 84085 14490 14730 84002 30616 89363 58713 44459 63944 79603
80153 24153 15207 7563 [47s silence]
975 (R50s)

79603 ... (very poor signal) 51031 [2s silence]
975 (R2m20s)
44459 ... (very poor signal) 80826
= = 068 068 32 32 00000

S06g 9463 kHz, 07-04, 0758 UTC. H3E USB 1200Hz test tones then S06 "801" once

S06g 9463 kHz, 07-04, 0820 UTC

801 46351 (R3m45s) 801 801 801 4635 [1m25s silence]
801 46351 (R2m) 957 34
91961 65587 88894 73622 24775 75838 21357 93428 68595 05509
55663 60266 06949 56291 95566 44339 23059 80314 56768 74428
87169 35510 37495 59513 08419 63731 02844 79249 30948 90060
75080 04220 78943 66751
957 34 00000

Full recomposed message:

801 46351 957 34
91961 65587 88894 73622 24775 75838 21357 93428 68595 05509
55663 60266 06949 56291 95566 44339 23059 80314 56768 74428
87169 35510 37495 59513 08419 63731 02844 79249 30948 90060
75080 04220 78943 66751
957 34 00000

S06 10755 kHz, 07-04, 0850 UTC. Carrier up for 2m

S06 10750 kHz, 07-04, 0853 UTC. Carrier up

S06 10750 kHz, 07-04, 0854 UTC. H3E USB 1200Hz test tone

S06 10750 kHz, 07-04, 0858 UTC. H3E USB 1200Hz test tone then S06 "975" once

S06 10750 kHz, 07-04, 0920 UTC

5 975 (R3m40s) 132 60
73355 51031 67866 24130 39932 86593 59354 51417 32923 70955
61312 774 [23s silence]
975 (R3m15s) 9 [4s silence] 75 975 (R30s) 132 60
73355 51031 67866 24130 39932 86593 59354 51417 32923 70955
61312 77461 22049 99280 57340 34199 11688 91972 17009 82258
43824 28165 57063 85710 15547 51969 66391 05666 90785 49905
86949 73659 10976 22971 67832 30752 34332 01768 34681 43300
58427 78135 41599 31315 05755 51732 97787 70362 76974 14987
86065 52934 01513 24869 15478 20230 40218 34915 75172 00281
132 60 00000

Full recomposed message:

975 132 60
73355 51031 67866 24130 39932 86593 59354 51417 32923 70955
61312 77461 22049 99280 57340 34199 11688 91972 17009 82258
43824 28165 57063 85710 15547 51969 66391 05666 90785 49905
86949 73659 10976 22971 67832 30752 34332 01768 34681 43300
58427 78135 41599 31315 05755 51732 97787 70362 76974 14987
86065 52934 01513 24869 15478 20230 40218 34915 75172 00281
132 60 00000

S06 11073 kHz, 07-04, 1338 UTC. H3E USB 1200Hz test tone

S06 11073 kHz, 07-04, 1342 UTC. H3E USB 1200Hz test tone then S06 "352" once

S06 11073 kHz, 07-04, 141 UTC.

352 352 (R2m40s) [40s silence] 352 (R1m) 794 60
22065 79027 78892 53492 28001 58692 80937 51365 00805 65978
64086 52570 934 [4s silence]
352 (R1m10s) 35- [8s silence] 2 352 (R40s)
51365 00805 65978 64086 52570 94415 (group corrected) 58341
54371 55995 18897 69231 34729 29825 60629 02830 37482 67663
21670 24604 15807 39677 49214 27332 92661 30943 95082 77319
10582 84189 98186 70469 3079 [1m49s silence]
352 (R1m)
95082 77319 10582 84189 98186 70469 30795 89121 99903 52905

55089 85519 28302 85835 68875 72283 12144 59340 28873 39637
10618 84770 43872 66648 69732 20454 21984 51282
794 60 00000

Full recomposed message:

352 794 60
22065 79027 78892 53492 28001 58692 80937 51365 00805 65978
64086 52570 94415 58341 54371 55995 18897 69231 34729 29825
60629 02830 37482 67663 21670 24604 15807 39677 49214 27332
92661 30943 95082 77319 10582 84189 98186 70469 30795 89121
99903 52905 55089 85519 28302 85835 68875 72283 12144 59340
28873 39637 10618 84770 43872 66648 69732 20454 21984 51282
794 60 00000

M14 11073 kHz, 08-04, 1121 UTC. Two series of fast beeps

M14 11073 kHz, 08-04, 1130 UTC

352 (R3m30s) 352 [34s silence] 2 352 (R1m) 35 [3s silence] 352 352 35 [2s silence]
352 (R10s) 179 179 60 60 = =
33218 68442 19881 56428 [3s silence]
352 (R1m50s) 35 2 352 (R40s) 179 179 60 60 =
33218 68442 19881 56428 74739 63116 08968 82296 15518 70581
96095 26628 78978 88602 48297 90578 75857 70645 06790 24748
56688 32038 36582 70945 89378 81639 03516 41164 22832 83665
02187 50947 22535 79393 83190 49338 89058 23407 53114 12605
84565 29895 94463 59566 84689 74883 06374 79633 16028 28672
83254 68373 96661 17814 78298 60137 21138 82035 76478 75835
= = 179 179 60 60 00000

Recomposed message:

352 179 179 60 60 = =
33218 68442 19881 56428 74739 63116 08968 82296 15518 70581
96095 26628 78978 88602 48297 90578 75857 70645 06790 24748
56688 32038 36582 70945 89378 81639 03516 41164 22832 83665
02187 50947 22535 79393 83190 49338 89058 23407 53114 12605
84565 29895 94463 59566 84689 74883 06374 79633 16028 28672
83254 68373 96661 17814 78298 60137 21138 82035 76478 75835
= = 179 179 60 60 00000

S06g 9463 kHz, 08-04, 1207 UTC. H3E USB 1200Hz test tones then S06 "801" 4 times

S06g 9463 kHz, 08-04, 1230 UTC

801 71968 (R3m) 80 [45s silence] 801 801 71968 801 71968 (R1m) 325 40
93058 01181 74850 55590 81714 51834 61760 42239 94880 14432
44422 33108 83034 54225
8 [4s silence] 8 [7s silence] 801 (R1m45s) 801 801 71968 [8s silence]
801 801 [5s silence] 801 71968 (R30s) [2s silence] 8 [9s silence] 801 (R1m)
94880 14432 44422 33108 83034 55225 (group corrected) 88425
27812 77527 69358 66396 74014 14409 03725 91039 76430 98188
59535 46727 98506 28980 26781 05562 86458 41456 71777 38836
70368 29066 51975 59856 22013
325 40 00000

Full recomposed message:

801 71968 325 40
93058 01181 74850 55590 81714 51834 61760 42239 94880 14432
44422 33108 83034 55225 88425 27812 77527 69358 66396 74014
14409 03725 91039 76430 98188 59535 46727 98506 28980 26781
05562 86458 41456 71777 38836 70368 29066 51975 59856 22013
325 40 00000

M14 9478 kHz, 09-04, 1753 UTC. Two series of fast beeps

M14 9478 kHz, 09-04, 1801 UTC

1 801 (R4m) 423 423 56 56 = =
14699 51189 07764 03639 85059 12583 28200 00804 83999 63785

21312 24807 60963 57072 48743 60198 95415 48337 57803 57766
57766 87459 43934 84445 93147 [2s silence]
801 (R40s) [9s silence] 801 (R50s)
87459 43934 84445 93147 69650 53484 86021 74365 6342 [1m12s silence]
8 [5s silence] 801 [4s silence] 801 (R1m10s)
69650 53484 86021 74365 63429 65816 89762 17982 28635 90248
67919 18550 79507 30387 75501 81051 65645 82626 15519 71016
41327 76550 89882 62000 71667 99414 30248 45111 49008 71898
05835 10285
= = 423 423 56 56 00000

Recomposed message

801 423 423 56 56 = =
14699 51189 07764 03639 85059 12583 28200 00804 83999 63785
21312 24807 60963 57072 48743 60198 95415 48337 57803 57766
87459 43934 84445 93147 69650 53484 86021 74365 63429 65816
89762 17982 28635 90248 67919 18550 79507 30387 75501 81051
65645 82626 15519 71016 41327 76550 89882 62000 71667 99414
30248 45111 49008 71898 05835 10285
= = 423 423 56 56 00000

S06g 10755 kHz, 09-04, 2015 UTC

975 13579 (R3m) 975 975 975 13 [19s silence] 975 13579 (R1m10s) 614 38
63622 89119 33721 88701 80540 34705 56741 29972 71141 76037
40511 11590 79314 48469 16250 36998 33968 30002 16329 54839
87271 01294 18034 96546 96370 22945 [2s silence] 9 [5s silence] 9 [6s silence]
975 (R2m10s without spaces) [16s silence] 975 (R1m)
87271 01294 18034 96546 96370 [58s silence]
9 [6s silence] 975 (R1m)
18034 96546 96370 22345 (group corrected) 73766 46066 65736
16016 57344 90142 92348 56689 74621 94761 96452 74851
614 38 00000

Full recomposed message:

975 13579 614 38
63622 89119 33721 88701 80540 34705 56741 29972 71141 76037
40511 11590 79314 48469 16250 36998 33968 30002 16329 54839
87271 01294 18034 96546 96370 22345 73766 46066 65736 16016
57344 90142 92348 56689 74621 94761 96452 74851
614 38 00000

Then on April 17th, there were two concurrent transmissions, starting at the same time, with callups lasting for a while, and starting into messages at the same time too. This kind of things has been observed before. The E06 TX was cut off 1m30s after the M14 TX ended.

M14 9462.75 kHz, 17-04, 0756 UTC. Test carrier

M14 9463 kHz, 17-04, 0804 UTC. Two series of fast beeps

M14 9462.9 kHz, 17-04, 0840 UTC. Test carrier

M14 9463 kHz, 17-04, 0850 UTC

801 (R20m20s) 263 263 50 50 = =
81846 37973 50277 76032 80398 77266 47262 02899 21223 97743
50858 24091 29085 75745 80341 98856 89545 60741 66332 71674
56919 58841 87116 47622 99818 04302 44908 67434 45246 23704
05494 99473 07146 22493 49690 90765 10378 48571 10057 44320
46030 12632 91299 14893 19022 69913 97806 40410 73928 93067
= = 263 263 50 50 00000

E06 10755 kHz, 17-04, 0759 UTC. Carrier up

E06 10755 kHz, 17-04, 0805 UTC. H3E USB 1200Hz test tones then E06 "975" once

E06 10755 kHz, 17-04, 0850 UTC

975 (R20m20s) 241 60
15052 68618 96581 97928 41617 16444 55539 15968 68686 39174
21245 80451 49301 25333 27896 95250 42252 41013 41680 44894

13122 03848 74367 81275 61597 88323 53644 94064 67240 23385
54864 88231 70906 68253 23922 17155 33984 77416 45924 44718
42669 90707 39346 34859 49431 09421 80368 91987 68887 44406
87074 00735 70248 47082 18198 28436 [no further activity]

RUSSIAN OPERATOR 7 TESTS/EXERCISES

XPA2 logged by PY.

8154/9341/10429/10735/11576/12197 kHz, 02-04, 0850/0900/0910/0920/0930/0940 UTC

09937 00069 42460 28846 18041 29914 66704 12926 44840 17387
36373 38009 95235 12988 16771 41013 94276 76203 75387 55160
60160 28386 99650 59264 06818 28126 06722 27802 40264 34586
83841 44102 77127 53390 30730 32301 44044 89537 49032 12258
27320 54548 28298 11806 11712 68391 59085 96023 55995 26181
64755 67222 27863 22995 27711 93422 44017 83194 22028 89914
23191 38902 72660 21263 33354 02371 60880 41833 79913 84368
96957 72136

10735/11576/12197 kHz, 03-04, 0920/0930/0940 UTC

02197 00068 52429 81958 76080 78519 11387 00604 71240 88911
92985 37213 27426 79071 34097 81798 96688 05334 47888 77610
36833 24765 63644 04930 43668 18909 26370 12652 86040 76250
15990 37885 46160 16380 67503 73040 32328 24238 01925 64285
93212 78864 97763 90576 75736 23680 27462 34733 86769 95253
89584 12576 65847 67234 35723 94178 30519 47598 38290 57171
52048 98734 14562 94989 72921 44090 91051 11045 11468 61056
27013



MORSE STATIONS

MX

Beacon "V" frequencies for April:

Fast beacon: 4031.0 (night), 5590.0 (day)

Slow beacon: 5445.0 (night), 7758.0 (day)

M01

5020 kHz, 02-04, 2000 UTC

463 295 30 295 30 = =
92836 54873 93847 19273 74856 93647 65746 23324 95768 38578
69465 32654 69785 13231 98976 56467 35464 67456 98970 08769
92746 12314 54653 76867 89578 23146 97879 67586 43542 08760
= = 295 30 295 30 000

followed by a digital transmission

6260 kHz, 04-04, 1500 UTC. Messy transmission. Long silences during the callup. Dots instead of figures. Different repeats in red

Text as sent:

463 (rptd) 7137133T3T / =
9 T 3 T . T 83T. 56TT2 5 (6sec silence) 7 T T 3 22869 22869 4729T 4729T 4T 39T 4T39T
.357T .3 5 7T 375T6 375 T 6 .947T .947T T5T 49 T5T 4 9 296T4 2 96T4 45.T8 45.T8 T 6835
T 6835 T 683. T 683. 6T49T 6 T 49T 2T3T5 2T30 .968T .968T3826T4826T7893T7893TT2T6.T2T6.842958429552T9T52T9T .783T.783T
T 269TT269T 468.T 46 8.T56T4T 56T4T 2867.2867. 5879T5879T2578T2548T4T7.T4T7.T582T8582T8
==7137133T3TTTT

Recomposed message. Note the dots

463 713 713 30 30 / =
9030. 0830. 56002 57003 22869 47290 40390 .3570 37506 .9470 05049 29604
45.08 06835 0683. 60490 20305 .9680 38260 48260 78930 0206. 84295
52090 .7830 02690 468.0 56040 2867. 58790 25780 407.0 58208
= = 713 713 30 30 000

6510 kHz, 05-04, 0700 UTC

463 902 902 30 30 = =
40554 58407 20504 58910 07503 28594 06914 60936 64910 48601
49610 50409 29501 58610 68190 02301 59754 91207 28508 90959
75092 30907 46790 29788 08735 59954 18453 10095 07010 76540
= = 902 902 30 30 000

followed by a digital transmission

5020 kHz, 07-04, 2000 UTC. Many errors

463 284 284 30 30 = =
74937 72947 61523 90786 52732 15324 97890 76?43 17683 26794
78943 65487 84658 25473 79823 17432 92649 18364 79623 74909
14684 8723080 87328172843 842 57915 08796 26318 26318674332 7427897489 34273
= = 284 284 30 30 000

Some groups were not repeated

5475 kHz, 09-04, 1800 UTC. Different repeat in red

463 349 349 30 30 = =
56475 35435 24325 12342 23123 42324 52342 65834 20868 24319
86547 32423 86941 08076 54780 36432 45654 87695 87693 21421 86576
68475 64534 08978 76576 13123 64545 35434 75675 97909 87865
= = 349 30 349 30 000

5020 kHz, 09-04, 2000 UTC

463 682 30 682 30 = =
46385 28495 46573 28374 56473 58674 35453 13214 98786 46586
97896 76846 43526 97865 65867 93028 12312 64546 24642 98676
26354 74658 25374 23145 75687 46545 86786 95645 25346 86756
= = 682 30 682 30 000

6510 kHz, 12-04, 0700 UTC. Errors and not repeated groups in red

463 390 390 30 30 = =
30590 50089 56476 08903 44517 68500 44730 69130 68491 70079
33769 10107 98047 68355 90734 50905 61270 04904 18700 79504
87004 65730 65583 04041 040 67388 69804 53879 90309 9309 4608 40 14380 380
= 390 390 30 30 00 0

5475 kHz, 14-04, 1800 UTC

463 052 30 052 30 = =
87658 24524 64546 27364 12321 14543 97058 25465 10293 29103
97863 64537 87687 52321 53453 97869 65746 53645 96854 14675
64537 24573 85746 97867 13254 53454 75638 84736 26354 97865
= = 052 30 052 30 000

followed by a digital transmission

5020 kHz, 14-04, 2000 UTC

463 238 30 238 30 = =
27463 75647 94756 36423 86878 95968 24142 97869 37465 07986
12345 67890 09876 54321 13579 08642 12341 43543 65745 73452
87978 46454 32432 65765 47896 21321 54346 76875 48695 16457
= = 238 30 238 30 000

followed by a digital transmission

6510 kHz, 19-04, 0700 UTC

463 902 30 902 30 = =
48592 16458 90872 15480 76824 16482 90912 46421 64218 68790

10495 71823 65405 19023 90801 10238 81047 70192 17409 17231
54702 81023 41694 71820 42845 17245 78924 18230 65849 16214
= = 902 30 902 30 000

5475 kHz, 23-04, 1800 UTC. Different repeat and error in red

463 284 284 30 30 = =
62843 18290 64830 26172 46287 17908 47304 **78304** 51209 26430 17284
29046 62398 16209 18104 26203 86721 56409 18023 81702 17589
23047 61823 87624 89015 67239 14230 **0981208** 28431 87610 68231
284 284 30 30 000

5020 kHz, 23-04, 2000 UTC

463 303 303 30 30 = =
26483 91024 72843 17436 19087 78690 91034 87294 18294 71823
19486 87931 85923 19057 26231 57835 89125 78901 10193 23019
20293 48293 30394 46218 57219 18192 46473 98023 78922 61787
= = 303 303 30 30 000

6510 kHz, 26-04, 0700 UTC

463 321 321 30 30 = =
91827 27364 12321 42354 63454 09878 65765 42658 08796 42132
97865 38765 12345 67890 13579 24680 24324 64753 27563 97856
87654 43765 32321 97867 65765 65454 32312 87692 74213 64321
= = 321 321 30 30 000

5020 kHz, 28-04, 2000 UTC

463 978 978 30 30 = =
23142 09889 23541 43222 56423 09889 12333 43221 56654 23411
24256 87563 12332 32110 43212 87421 09889 09893441 3244 09900
00 9876765 145 14 54452 56789 09980 23220 02210 28400 87540
23321 09900
= = 978 978 30 30 000

5475 kHz, 30-04, 1800 UTC

643 836 30 836 30 = =
74857 26354 07980 86978 74635 18475 39485 27364 91029 83745
96859 73648 20394 18273 93847 75647 94857 16253 05948 72837
91049 83749 27384 76453 82936 82937 16253 84759 27364 95847
= = 836 30 836 30 000

5020 kHz, 30-04, 2000 UTC

463 963 30 963 30 = =
97869 47563 86759 75847 36475 85726 13254 93847 71625 95864
75847 37465 39485 12498 07968 95860 83948 74632 01928 29384
86970 69584 28374 64738 16473 96059 96879 38475 06950 16473
= = 963 30 963 30 000

M12

11564/10487/9319 kHz, 1900/1920/1940 UTC

11564/10487/9319 kHz, 02-04, 1900/1920/1940 UTC

258 258 258 1 5768 176 5768 176
20016 23703 82382 96139 44143 79131 03558 03748 22084 10770
70076 57487 18960 49840 62038 80779 05694 04300 57578 97622
34347 19979 33026 88356 22948 51867 42145 50088 80293 70321
28835 18891 64245 37133 80749 37119 30663 75514 32359 03855
14929 01796 12296 40513 09868 66219 96805 72648 40211 26873
73711 17094 37688 91853 18559 00037 90676 94124 73190 92274
36985 53468 23453 52162 81934 51184 93240 81825 69089 24919
50115 30178 71939 53722 82693 32550 07682 92512 78488 56728
55061 69496 09877 53420 96608 11740 81201 72391 18574 80712

46442 36538 02324 40084 66868 61459 78342 60133 58578 58682
72978 14979 03558 15291 76756 43532 45154 83964 09159 86007
92353 98163 15636 16461 37212 67488 43591 70031 55552 70193
69981 20848 63251 88375 78476 13577 27854 31855 86853 21234
54207 47548 33933 19805 83749 40082 65937 97584 76662 53076
66585 97235 63231 32565 88358 48277 20901 85861 02872 99379
17867 08310 04581 88384 88699 52129 51727 15182 36814 63179
15678 13298 97110 87924 31800 44805 64229 95829 32711 97129
01550 49006 93368 02476 03607 72744 000 000

11564/10487/9319 kHz, 09-04/11-04, 1900/1920/1940 UTC

258 258 258 1 7122 179 7122 179
60636 97993 19623 47895 80351 94473 68064 38180 47111 60640
41671 37228 28616 31179 06741 94072 33470 59274 57554 89713
33194 51121 11365 34341 75003 25479 85517 80242 45508 81872
29967 42565 42704 26105 21924 76709 08490 79912 54794 62794
45760 53919 87262 49271 49678 01645 76133 35964 93051 93999
72624 65074 91990 23716 26180 09515 86627 85280 75290 54872
08956 87820 92671 65238 30672 99105 94523 02510 09255 30031
85581 53557 04480 94758 43953 79274 63857 62093 84662 70957
49344 49552 87190 51508 09247 64891 50574 18987 99923 12409
90080 23208 04621 99920 53838 57938 61247 22023 18599 50572
07121 73622 26709 63019 08417 19067 60594 97230 79762 46905
45656 24534 00617 04333 05527 59403 00630 41162 55990 65780
48530 75535 02586 96845 39949 62373 48935 04558 40920 86013
86086 41833 43493 34090 63836 75721 22843 24170 43091 90179
04296 53342 39224 53018 66751 65546 22590 00288 94393 94434
57308 20084 66031 52818 02041 31584 71036 29862 23070 46043
70130 56036 56310 93747 28878 03822 81039 66526 40495 29805
36559 76458 98070 65810 61483 95187 36311 49566 30093 000 000

11564/10487/9319 kHz, 16-04/18-04, 1900/1920/1940 UTC

258 258 258 1 9274 191 9274 191
30149 64986 44512 03481 97326 47044 22854 05124 58875 69017
48339 51489 81147 29036 44335 94585 06437 13945 79014 23533
00889 94124 86638 29353 42174 45607 98549 46232 75561 93607
58037 72504 86619 98889 18416 44988 58141 23209 81648 39791
87974 18663 93780 15729 56151 10210 68496 87332 06154 39150
40217 57682 96949 66353 82246 36024 78347 15159 61305 41718
48493 76621 29561 65266 10979 75834 64868 82256 10619 99345
36443 83227 32295 31242 35558 82225 00343 70909 73201 31964
87110 11217 40077 36411 53390 00355 75553 90265 16542 82390
66640 42982 61903 39930 91297 11363 89101 28513 04749 80316
45340 86238 76712 06807 02706 56988 25387 65706 30795 00021
35680 07438 41956 29340 54607 37275 36543 93149 11875 10624
00280 44603 65613 28227 32704 93460 21324 92363 39944 24204
93122 71828 66159 92883 86623 00871 34503 33270 33704 96400
74966 09846 89468 16621 46710 59202 01025 32562 85322 54021
74809 95951 16638 94123 80035 00736 20624 48484 74101 09245
45994 33023 25762 06591 06897 63850 41277 49072 42715 53735
02772 03273 59444 15473 35657 90432 55134 48991 81516 73501
92434 88760 07041 85922 49394 97170 55190 72034 12847 85886
80246 000 000

11564/10487/9319 kHz, 23-04/25-04, 1900/1920/1940 UTC

258 258 258 1 672 167 672
16365 83188 59430 95085 73635 49931 11541 24179 28247 80957
25552 53379 69623 37064 21066 19463 53794 98571 50670 28902
01291 12477 71995 94865 13822 62118 53793 52847 12999 90243
87782 37108 68668 31577 74994 36617 84343 75281 92121 56921
66196 46065 06740 10003 54972 20961 03500 96706 34263 94597
72649 59455 32699 13490 48019 39680 82071 85377 92235 59543
73425 9228_ 01209 07838 84138 22767 77454 64901 95983 69052

90761 52589 46535 18502 05054 38580 26968 63114 36028 66122
51138 25390 52950 23320 76650 92875 08731 15349 14611 17731
08174 73409 78641 47537 80509 41254 53599 59551 54024 72016
11651 11757 51553 47678 43051 95946 56051 10719 16664 93731
15576 07629 29599 34696 02550 34202 49902 19645 05883 56928
38716 47219 74318 16141 74813 27546 11707 01779 25063 27528
56627 09707 53527 73860 01202 21850 57627 63059 49584 03367
19152 30712 36259 16442 41775 04997 23706 44846 48574 53720
46571 02527 65539 94935 26773 19371 61860 15535 44011 08822
61439 99804 17096 87875 45822 08042 28985 000 000

11564/10487/9319 kHz, 30-04/02-05, 1900/1920/1940 UTC

258 258 258 1 4346 403 4356 403
16001 34400 72266 79170 06363 93217 32338 46134 85511 26652
53845 70433 50397 62587 45826 26463 60887 82125 48990 14459
56059 88884 72187 58322 86844 17625 27825 94665 65090 15741
70215 50541 21942 01714 24660 47109 95788 32738 08848 60437
25865 22755 77156 99111 99381 42876 55542 32542 31285 38160
57209 44107 46740 82926 25737 27116 62211 13944 92325 88736
65391 37671 81043 69770 56435 03303 48490 48682 37927 98716
30673 28149 73277 88552 88592 33304 11727 73075 58939 43967
62081 95282 63380 26929 58530 26108 03801 39015 75975 97542
84896 81844 14041 20110 95044 88192 41711 07386 42675 96078
94385 06859 94614 32567 07487 29060 70829 58187 94332 92432
15388 89135 55004 48357 26654 70108 74290 54113 11239 30327
99501 09475 72706 40383 13820 48828 87736 53166 93506 00400
91592 04341 30399 62860 49581 55221 00667 30812 19442 29470
55277 45612 44681 83542 82154 95759 26839 92053 93454 24936
13902 87596 96146 12347 96575 84909 34152 54230 18747 58657
41323 17663 64679 93932 00839 11047 58736 92143 98774 71432
69440 43477 34671 81767 75048 53888 64793 89162 58228 18059
21989 95681 59710 68570 86496 03996 08194 18051 66283 64671
21069 46435 12064 60783 88146 37614 80932 50747 82702 71107
37023 34695 93277 22022 55494 70424 52924 14378 37298 42687
20116 44988 96001 00681 36668 45640 57952 96107 07436 96841
02852 40684 25860 34103 50363 23004 31412 73886 93619 37434
72955 14045 06459 87119 81035 87292 02404 37687 13075 16072
51070 93814 80752 23596 44554 76079 50432 11376 24115 42506
79661 84823 43311 85860 68254 96337 08834 59174 71658 32490
39011 79037 20758 99862 69730 06071 38528 08882 19652 49374
43235 20264 83032 91362 45771 09037 59930 02264 89547 74282
72570 20036 49771 51113 57772 88130 70732 2059? 18865 84696
78458 43229 66028 80584 77059 72032 73056 80888 53864 38483
37550 41550 91722 74739 99269 59397 01791 51947 40088 59217
36406 06570 69625 97374 59918 18974 29266 69643 42090 81598
35337 17929 90016 34954 70915 00006 54234 02447 14303 73737
35979 79041 48398 51063 36732 31019 28312 75030 51842 98373
86339 18784 80508 59646 48289 71887 73602 68652 20666 58085
42766 03412 38798 72264 03142 19620 51533 56768 03824 99262
05162 99343 37644 66350 23237 57364 58170 18561 60642 28898
90660 54235 17800 43715 95258 16552 37420 30369 86664 99027
26403 85581 81780 56216 30971 32567 40242 76133 47917 17111
79485 71543 71205 52579 93211 86995 81139 14158 36409 90924
13716 55040 08010 000 000

12217/11467/10348 kHz, 0800/0820/0840 UTC

12217/11467/10348 kHz, 03-04, 0800/0820/0840 UTC

243 243 243 1 4157 53 4157 53
37739 03658 29850 26591 02610 14404 21877 65104 16694 06283
24880 65364 15574 54264 60169 28113 93950 53243 38353 57187
91002 18607 64114 91613 85161 56087 14770 50160 62308 60594
59356 08534 00255 07750 07571 83928 74580 85924 40319 90877

05953 67471 74668 46114 71361 51813 59890 71848 75800 78630
10051 78147 38455 0000

12217/11467/10348 kHz, 06-04/10-04, 0800/0820/0840 UTC

243 243 243 1 5909 63 5909 63
95044 08977 17590 46741 23157 91038 05258 65177 30987 15791
60751 74433 84472 49817 53778 81362 74852 47817 52277 22416
64766 56495 22855 01567 26872 33636 96984 82343 10014 72248
73831 97341 45136 66853 97965 74688 89385 34347 71718 51403
59097 13548 01308 79323 73809 52574 43297 37481 98969 05134
78200 72206 67412 86374 64272 94482 92937 17183 73679 16545
26985 52249 12099 000 000

12217/11467/10348 kHz, 13-04/17-04, 0800/0820/0840 UTC

243 243 243 1 3874 78 3874 78
18559 71000 21155 52407 43864 14961 31028 53887 36274 42442
98645 69342 08126 96342 41864 19883 23240 30098 92943 97978
86030 83648 70872 67398 88133 66290 62234 27406 29673 86206
98431 59482 24035 30642 48594 38107 18277 49364 27818 12629
75441 18725 80264 55689 48636 87988 21585 21525 12822 85204
83428 48159 74519 36679 23622 21606 25260 33602 48186 93863
46476 40943 20508 85798 03544 03700 71835 14686 72252 35758
67112 33001 64990 97394 05052 47427 01881 14742 000 000

12217/11467/10348 kHz, 20-04/24-04, 0800/0820/0840 UTC

243 243 243 1 8154 139 8154 139
92767 33623 37575 57086 14816 87497 09278 43262 81267 11953
13425 06274 64777 78905 25668 14716 89376 89217 31789 69629
65918 44616 90184 46299 97114 70276 06842 87569 66732 06146
01043 24308 91080 92139 10270 33122 30539 70007 32039 42826
61176 65603 78862 77195 26283 28289 00706 46115 33103 69861
28322 03189 05513 95348 87762 70149 77763 04933 03207 48128
93273 42852 81429 11812 36557 21300 74469 16099 87822 09500
57439 76349 27759 72234 97137 82578 61770 76041 37484 93104
92810 66060 56672 96893 77474 83075 76200 81518 31439 10054
61345 88449 26229 04462 38417 60751 59382 35041 34435 52534
78900 80568 62557 14052 41089 04618 41962 21501 58165 85032
29587 92828 61148 08314 92834 54347 42089 47511 74406 33972
56633 63836 07971 07980 97648 60228 69125 47331 61642 26570
59922 19963 15094 86328 21293 32431 41968 81413 34499 000 000

12217/11467/10348 kHz, 27-04, 0800/0820/0840 UTC

27-04, 0820z: Restart after group 67

243 243 243 1 5891 149 5891 149
38415 15251 01998 65904 23034 60525 36168 47939 18449 44123
49673 99646 18457 64830 57798 63308 11877 19582 05483 99631
06749 02162 04319 01321 64923 76567 47378 17316 42850 23071
33330 02324 88292 66212 62578 97615 86355 68257 24970 36623
48654 31904 45524 29546 47172 79668 76323 45547 97620 41209
15415 40622 91346 42649 38716 36720 91419 02351 15815 96231
14482 00313 96492 61646 96358 89644 81374 89744 59334 63787
76550 61414 57475 79181 47057 39544 60492 75292 98183 62726
59194 65573 41002 51962 29508 71846 93462 18729 79624 46234
91229 75357 07100 36761 46456 75448 73014 41699 27878 44569
89969 50563 93875 69061 62247 20474 51213 44282 61632 90079
21031 25560 68679 13316 80499 25133 46424 44486 29193 93798
42899 64669 97602 58567 33182 03940 14542 21034 87837 74599
96228 22088 97229 51666 19807 47828 68667 74077 52536 49638
79963 60774 11419 99302 71728 81035 94862 68527 71498 000 000

12135/11452/10627 kHz, 05-04, 1900/1920/1940 UTC

573 573 573 1 8276 115 8276 115
37520 32616 88927 82846 61624 36908 78114 04937 81957 45091
22889 73890 60762 29148 48958 74767 88567 54365 40419 21134
96907 98953 49439 54297 00987 18054 07000 42319 17201 11684
32546 05353 24813 76593 98838 68150 97122 92007 48000 81830
90001 94855 93028 09800 46563 96384 69586 89235 06591 14885
12531 23842 10313 18707 78309 38566 83175 34630 81858 43569
29907 35795 87734 70272 12545 17536 49077 84167 30308 80806
77644 96559 06364 58587 31132 02052 05924 39639 07733 04602
48466 17764 35727 02316 99152 08703 95038 06105 98282 60272
62494 62492 10148 04430 51922 54206 07120 22755 97254 29027
47306 85417 58926 25783 37239 15971 17477 51725 87574 76256
32641 43536 26896 77256 95101 000 000

12135/11452/10627 kHz, 06-04/12-04, 1900/1920/1940 UTC

573 573 573 1 5321 107 5321 107
73886 03068 59244 84485 77505 88840 13722 86226 59606 19840
61075 08356 89683 67640 24059 68932 67604 96460 52728 95035
41994 69048 14068 53459 73553 51975 87199 33056 09624 05251
18739 41337 08928 53444 69899 75774 37865 16011 89050 53633
14786 93473 29498 76994 88275 80049 72102 99188 89932 49364
67564 34147 98951 10200 97186 04837 88999 05785 10932 25530
01641 80664 76602 54354 01100 19737 99426 36239 97739 48284
31067 51592 07409 99094 80248 48520 39550 37073 65183 93503
79871 88010 43123 60258 37685 84591 42385 98727 56257 65062
86773 32080 05079 63520 51991 34120 16870 75142 75893 68537
80621 35863 01448 41648 18297 15971 26737 000 000

12135/11452/10627 kHz, 13-04/19-04, 1900/1920/1940 UTC

573 573 573 1 4080 117 4080 117
50562 13081 14860 64167 25796 46320 97554 20517 78935 12133
14951 41738 47365 73308 75221 28461 16951 30425 76164 53060
71381 89376 93489 69547 37214 80190 81898 46687 96633 23556
26354 54013 44928 39406 96340 45889 17569 56721 31255 74480
32106 66918 49355 39922 06829 54655 13132 11439 03845 13416
33359 43653 41236 95939 18154 61185 19590 45312 26952 45604
64320 50867 23882 55378 85778 60937 96809 07959 76967 29331
10892 60229 99168 01683 20953 04463 40021 53567 62717 82557
67058 70459 42841 83217 90196 82699 12777 48987 21251 35154
26299 72256 29769 85649 10059 81238 43035 93975 54143 45891
57844 05173 34470 74513 02524 73129 44484 39553 74985 13691
21164 66022 82593 44393 78545 93959 08025 000 000

12135/11452/10627 kHz, 26-04, 1900/1920/1940 UTC

573 573 573 1 700 237 700 237
70320 15152 71850 89758 58968 99703 38047 21538 27253 55879
81388 31867 04197 85789 45321 80332 46354 66957 90332 14505
79865 10018 29761 68900 87282 78727 32636 18864 27821 84298
45355 51506 02689 30052 94477 91963 20287 05830 16912 09680
11118 30276 31739 19147 21599 04907 60021 79560 57663 17029
19220 34719 91746 48783 68232 08663 60841 57646 93516 76675
75139 56220 83355 44366 11968 25250 48858 18443 16799 52018
23067 57882 45938 49284 35774 29862 81025 17258 09518 38696
08658 34971 82876 47741 62083 82364 15816 58368 63211 54595
70272 77984 88416 21344 58970 40362 29509 29466 85419 88427
93146 79167 62288 71857 45057 78886 72931 51042 25787 84063
30475 96820 79782 45842 49679 71442 16153 66335 58293 01925
47872 16151 84414 97619 35021 85890 60702 18221 77373 20258
43484 12968 57803 03848 39902 24468 88749 92571 11930 63812
45248 87904 97896 86455 16891 30483 90994 66635 73059 35644

02036 08561 63570 66504 43467 31290 34272 45130 44451 99492
10712 28723 15825 16556 18005 65222 02113 83439 82029 93750
41387 61763 17144 71191 31430 89225 07415 45814 13120 39323
81423 07303 96375 35619 52479 73142 32102 46859 51885 30121
78461 09280 30516 12821 41436 91672 94375 28366 28617 00420
19633 16486 85671 82712 68107 11069 72447 25517 19218 96606
85941 53117 22383 52735 49850 20108 23977 60675 79428 77162
38660 32713 14789 34680 18467 71682 42000 76570 81412 85705
21707 47864 01605 66109 99665 89534 01808 000 000

12135/11452/10627 kHz, 27-04, 1900/1920/1940 UTC

573 573 573 1 4185 106 4185 106
07853 06195 11989 18212 40229 90545 40972 13016 47318 01538
33235 19890 27071 23262 60403 27769 88641 14916 80607 35128
77568 10445 85640 22195 30655 07487 97066 92666 16655 12798
20865 39379 32148 84032 25325 04964 19691 88491 88593 05281
60738 08769 36804 87911 94509 10083 69689 38860 27994 83568
99764 16118 52470 79047 54520 97406 20554 89792 87556 32741
93478 48304 96359 34520 80672 93854 87740 43037 97935 55438
08077 00149 26321 75325 74389 68798 73640 97728 27685 20571
37796 58206 64672 33086 13032 04746 86907 53100 29512 27918
84409 29898 00935 55851 11802 12433 12409 02283 07239 00654
22342 26652 40924 72555 75490 99615 000 000

10341/11075/12138 kHz, 2100/2120/2140 UTC

10341/11075/12138 kHz, 10-04/11-04/17-04/18-04, 2100/2120/2140 UTC

401 401 401 01 1 2209 119 2209 119
21980 58998 04021 98495 35828 03401 96576 37246 14852 87284
80527 58155 39529 40865 91979 87370 17335 75887 04458 17145
00646 84797 82845 27542 71411 34730 66096 51073 98187 53487
41418 58796 66882 61117 13245 60671 08565 98458 43966 73367
38221 80894 80509 49990 87217 06247 43154 69831 03630 06105
36775 52650 93073 16883 06535 05238 51129 65902 62030 31895
53299 89199 93400 63483 19425 88096 45026 26093 85341 43940
02854 76426 62286 27292 66434 05734 25063 80512 48623 66559
87551 30921 95875 06050 86211 25304 80959 16259 03143 21032
72794 87236 97137 67705 78951 00065 93498 88495 60442 72632
30610 31282 60622 58103 36152 04398 74411 47086 44338 76402
21192 12922 99927 79418 90152 32715 48742 68892 43135 000 000

10341/11075/12138 kHz, 24-04/25-04, 2100/2120/2140 UTC

401 401 401 1 3835 201 3835 201
59081 63690 19466 75630 34682 22503 24754 53300 22644 84018
83318 92151 29602 98088 09371 03544 20322 06201 19699 31980
59074 22322 06717 61055 24866 62266 90236 67933 88113 69920
12755 78024 19674 91920 52159 60355 64988 19847 76070 32912
30548 81262 46161 46165 90367 89630 22344 62570 70218 42063
43998 75999 11755 45672 26198 79327 17633 20288 90300 57070
63019 77548 78219 47637 60224 30646 18465 83271 56390 87298
23529 36678 44667 99663 31435 70737 49962 12934 59460 28442
31532 96078 80775 50125 69149 76202 79463 58460 40646 81231
46440 92535 56215 36229 79427 16686 64612 11041 89809 70163
44845 87908 30410 53142 42301 44786 91557 37642 50171 80589
97815 59901 54373 31663 54104 05119 15030 96695 03653 13669
70829 05257 95776 93634 59956 42075 35604 87138 47836 29148
28284 85209 58008 74641 52691 33274 37666 90920 40191 65003
94102 79808 30320 68927 40347 72964 90971 59782 28843 85093
76017 55876 13289 85795 52600 04748 47532 57432 73510 48302
98006 91519 23030 91351 82295 70107 48842 86521 22548 50753
31727 48290 41706 29690 53313 34181 57740 74448 52273 23782
93176 29089 96193 92870 93110 95790 99358 98018 67899 51636
53415 23723 13768 72818 46702 09688 09134 28197 40359 35711

M14**12211/10243 kHz, 01-04, 0500/0520 UTC**

952 436 436 25 25 = =
 37477 11587 58532 32696 12935 47364 41471 25757 60580 49935
 39248 55149 89684 04118 43206 88901 71906 00791 45707 53640
 39473 71582 32311 89246 27222 = =
 436 436 25 25
 952 710 710 32 32 = =
 84691 42837 36316 07550 58211 85585 25711 32281 68223 55216
 10687 36121 56330 10892 17807 80559 48416 49197 40805 63356
 53663 92972 53529 26957 25387 89234 68275 93959 57119 83359
 75486 09321 = =
 710 710 32 32 00000

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

952 952 952 000

12211 kHz, 06-04, 0500 UTC. No closing nulls**12211 kHz, 07-04, 0500 UTC. 952 (R4m) then off; back at 0507z****10243 kHz, 06-04/07-04, 0520 UTC**

952 486 486 54 54 = =
 59756 93987 85024 34944 59908 94990 13822 10635 60860 32053
 59760 39091 74970 51898 56153 60285 44174 49536 79669 40741
 91982 71981 87730 54262 95883 24041 66161 13933 16102 55830
 85531 47578 41632 36716 89626 33861 39504 45375 64481 41222
 18203 30653 61426 36831 41187 22909 72566 57747 51445 00539
 82140 61476 93023 41361
 = = 486 486 54 54 00000

12211/10243 kHz, 08-04/09-04, 0500/0520 UTC

952 480 480 32 32 = =
 53073 42161 21040 26802 58281 83158 40568 95872 54453 86350
 09505 11979 24807 50810 13129 26098 22159 05244 93095 12102
 18870 01467 33560 91137 97510 11497 65375 46346 93194 82934
 61784 95095
 = = 480 480 32 32
 952 137 137 24 24 = =
 60206 29750 24784 30412 05195 09118 87807 46666 43236 38555
 07979 96729 60971 71248 26208 35028 54915 86724 99871 22145
 71517 09889 91743 38245
 = = 137 137 24 24 00000

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

952 952 952 000

12211 kHz, 13-04, 0500 UTC 952 (R15m54s) Glitch and 9 sec break after ca 3 mins. No message**10243 kHz, 13-04, 0522 UTC Late start. Inverted morse. Several restarts, still inverted. Off at 0526z. Back at 0527z. No closing nulls****12211/10243 kHz, 14-04, 0500/0520 UTC**

952 631 631 54 54 = =
 52123 06734 56205 42498 77965 46808 31102 90695 92894 18024
 04307 13740 50134 98974 06163 25226 02100 48976 94456 95124
 78808 93879 52221 82524 70299 31896 85630 68847 11488 51634
 82922 96244 92898 79535 20309 40863 45724 98875 25783 75651
 74629 07560 36781 02414 36745 06851 12625 57778 90301 38258
 87693 22796 61315 10753
 = = 631 631 54 54 00000

12211/10243 kHz, 15-04/16-05, 0500/0520 UTC

16-04, 0500z: technical problems at the end of the first message. Signal strength dropped dramatically, stuttering audio, then off.

Back at 0511z with group three of the 2nd message

952 468 468 31 31 = =
32058 39978 98326 22914 30487 18718 72572 34661 80786 72854
80573 81849 55672 57153 27083 17910 45622 15576 64803 45775
37433 17826 95837 18917 88190 72939 58411 68662 30585 99617
97269
= = 468 468 31 31
952 703 703 24 24 = =
10097 87164 28100 60277 31336 25927 62354 21956 32707 02250
14273 47825 67153 68631 60192 63773 60185 07968 66317 34491
78596 45895 94210 09661
= = 703 703 24 24 00000

12211 kHz, 20-04, 0500 UTC. Started with inverted morse. Several restarts.

10243 kHz, 20-04, 0520 UTC

12211/10243 kHz, 21-05, 0500/0520 UTC

952 130 130 51 51 = =
24691 76336 08980 34928 56574 40556 45407 50254 81864 23888
14343 95662 09348 47385 81670 78681 42158 29234 25897 04698
46571 72468 95462 57304 22457 60981 07570 86156 11330 43532
86943 94540 02934 10421 67972 43834 26303 92533 08671 17052
36228 37431 89888 08655 31073 42182 98219 32827 62876 47622
16026
= = 130 130 51 51 00000

12211/10243 kHz, 22-05, 0500/0520 UTC. No transmissions

12211 kHz, 23-04, 0500 UTC. Tech problems after group 10 of the 2nd message.

10243 kHz, 23-04, 0520 UTC

952 601 601 35 35 = =
27063 23371 90302 61177 55468 45558 09518 23557 23373 87670
45828 97816 78045 77034 68265 66113 90210 41958 66780 95260
54206 31059 42637 57475 35757 69408 82896 71531 20912 24938
86164 00264 47908 83523 31804
= = 601 601 35 35
952 874 874 16 16 = =
33368 59369 64782 54173 64134 10947 64830 32293 79591 89772
528 52 (18secs silence and stuttering sound) 93844 55646 69371
= = 874 874 16 16 00000

Correct 2nd message:

952 874 874 16 16 = =
33368 59369 64782 54173 64134 10947 64830 32293 79591 89772
52890 73394 44872 93844 55646 69371
= = 874 874 16 16 00000

12211/10243 kHz, 24-04, 0500/0520 UTC

952 952 952 000

12211/10243 kHz, 27-04, 0500/0520 UTC

12211 kHz, 28-04, 0500 UTC. Late start. Briefly CW FSK

10243 kHz, 28-04, 0520 UTC

952 347 347 51 51 = =
30989 51803 83808 59597 22852 13157 22154 16144 64352 87829
98064 41947 92089 57522 88582 39864 83609 01253 20214 74531
97610 65122 61525 54091 76351 43120 70917 87809 27461 54902
29260 67999 27321 31476 12079 49702 13226 44739 80978 26561
56495 41795 98993 26325 33734 69997 99553 74412 38523 03655
63743
= = 347 347 51 51 00000

12211/10243 kHz, 29-04/30-04, 0500/0520 UTC. Late start on 30-04, 0501z

952 680 680 31 31 = =
53256 64135 73571 39532 06142 62697 85380 35285 76932 19253
93578 65373 82932 77335 75856 93431 93166 11333 25528 67829
33545 46093 18265 99133 92916 80912 00817 47434 78431 60111
12633
= = 680 680 31 31
952 473 473 25 25 = =
24629 49507 01355 75071 26914 81720 55353 54541 95756 04017
60272 61465 17699 28763 51267 13195 62384 93607 38717 47354
21519 50020 19700 22930 33082
= = 473 473 25 25 00000

M23

Hourly beeps were heard at hh57 on 10380 and 13958 kHz

10380 kHz, 01-04/30-04, 0557 UTC 0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m
10380 kHz, 01-04/30-04, 0627 UTC 0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m

10380 kHz, 01-04/02-04, 1257 UTC 50505 55550 05550 05500 55005 (R25m)
10380 kHz, 01-04/02-04, 1327 UTC 50505 55550 05550 05500 55005 (R25m)

13958 kHz, 01-04/30-04, 1557 UTC 0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m
13958 kHz, 01-04/30-04, 1627 UTC 0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m

6806 kHz, 28-04/30-03, 1857 UTC LO48636017LA1511114 (R25m)
6806 kHz, 28-04/30-04, 1927 UTC LO48636017LA1511114 (R25m)

If we assume that these are coordinates, then there are two logical locations

48.636017N 001.511114E Nogent-le-Roi
48.636017N 001.511114W Mont St Michel

M89 - Chinese Military

6254 kHz, 11-04, 1138 UTC

FF NR 109/EX 2100 RMKS 3884 TO 3290 = RFT4/DFG5 AR
F NR 054/EX 2102 RMKS 3290 TO 3884 = RTG3/JKM2 AR
NR 110 CK 51 12 0411 2100 RMKS 3885 TO 3290 =

6523 kHz, 24-04, 1513 UTC, i.p.

FFF NR 492/EX 2352 RMKS 3497 TO 2499 = M2C5/J9PV AR (Cont'd)
FFF NR 004/EX 2352 RMKS 3497 TO 2449 = IHS4/G4MB AR (X3)
FFF NR 483/EX RMKS 2449 TO 3497 = N9PB/T4Z5 AR (X3)

3322 kHz, 29-04, 1643 UTC, i.p.

NR 4001 CK 05 21 0430 0934 RMKS 1002 TO 10001 =
NR 1009 CK 05 21 0430 0903 RMKS 1001 TO 1002 =
NR 4002 CK 04 21 4430 0948 RMKS 1002 TO 1001 =

5888 kHz, 23-04, 1735 UTC. i.p. Off at 1751 UTC

DE LBHY EX3E 8LNZ
NR 500 CK 21 59 0430 0100 RMKS JQXZ TO BZZZ =
NR 500 CK 21 59 0430 0100 RMKS UNNX TO BZZZ =
NR 500 CK 21 59 0430 0100 RMKS GKN9 TO BZZZ =
NR 500 CK 21 59 0430 0100 RMKS MF8T TO BZZZ = (OTA 1751z)

See also our Logbook

UM04 - PROMRCh

This station doesn't make much mistakes but in April they made some errors, marked in red.

01-04, no transmission found

4735 kHz, 02-04, 0700 UTC
VVV VVV PROMRCh = 02 04 =
1000 0820 0900 1010 1440
1200 0950 1000 1140 1600
1400 0980 1020 1160 1630
1600 0890 0930 1080 1530
1800 0890 0940 1090 1560
2000 0680 0710 0800 1100
2200 0500 0520 0580 0780
0000 0450 0460 0520 0680
0200 0420 0430 0480 0640
0400 0430 0440 0490 0650
0600 0370 0390 0450 0620
0800 0660 0700 0850 1250
= ABV
VVV VVV PROMRCh = 02 04 =
1000 0820 0900 1010 1440
1200 0950 1000 1140 1600
1400 0980 1020 1160 1630
1600 0890 0930 1080 1530
1800 0890 0940 1090 1560
2000 0680 0710 0800 1100
2200 0500 0520 0580 0780
0000 0450 0460 0520 0680
0200 0420 0430 0480 0640
0400 0430 0440 0490 0650
0600 0370 0390 0450 0620
0800 0660 0700 0850 1250
= AR

4735 kHz, 03-04, 0700 UTC
VVV VVV PROMRCh = 03 04 =
1000 0810 0850 1000 1430
1200 0950 1000 1140 1600
1400 0980 1020 1160 1630
1600 0890 0930 1080 1530
1800 0890 0930 1090 1560
2000 0690 0720 0810 1120
2200 0510 0520 0590 0790
0000 0460 0470 0520 0690
0200 0430 0440 0490 0650
0400 0430 0440 0490 0660
0600 0380 0400 0450 0630
0800 0660 0700 0850 1250
= AR
3m35s silence
VVV VVV PROMRCh = 03 04 =
1000 0810 0850 1000 1430
1200 0950 1000 1140 1600
1400 0980 1020 1160 1630
1600 0890 0930 1080 1530
1800 0890 0930 1090 1560
2000 0690 0720 0810 1120
2200 0510 0520 0590 0790
0000 0460 0470 0520 0690
0200 0430 0440 0490 0650
0400 0430 0440 0490 0660
0600 0380 0400 0450 0630
0800 0660 0700 0850 1250
= AR

4735 kHz, 04-04, 0700 UTC
VVV VVV PROMRCh = 04 04 =
1000 0820 0860 1010 1440
1200 0970 1010 1150 1600
1400 0990 1030 1170 1630
1600 0900 0940 1090 1530
1800 0900 0940 1100 1560
2000 0700 0730 0830 1130
2200 0520 0540 0600 0800
0000 0470 0480 0530 0700
0200 0430 0440 0490 0650
0400 0430 0440 0500 0660
0600 0390 0400 0460 0640
0800 0670 0710 0860 1260
= ABV
VVV VVV PROMRCh = 04 04 =
1000 0820 0860 1010 1440
1200 0970 1010 1150 1600
1400 0990 1030 1170 1630
1600 0900 0940 1090 1530
1800 0900 0940 1100 1560
2000 0700 0730 0830 1130
2200 0520 0540 0600 0800
0000 0470 0480 0530 0700
0200 0430 0440 0490 0650
0400 0430 0440 0500 0660
0600 0390 0400 0460 0640
0800 0670 0710 0860 1260
= AR

4735 kHz, 05-04, 0659 UTC
VVV VVV PROMRCh = 05 04 =
1000 0820 0860 1000 1440
1200 0960 1000 1150 1600
1400 0990 1030 1180 1630
1600 0900 0950 1090 1530
1800 0900 0940 1100 1550
2000 0710 0740 0840 1140
2200 0530 0540 0610 0810
0000 0470 0480 0530 0700
0200 0440 0450 0510 0670
0400 0440 0450 0500 0660
0600 0390 0410 0470 0650
0800 0660 0710 0850 1250
= ABV
VVV VVV PROMRCh = 05 04 =
1000 0820 0860 1000 1440
1200 0960 1000 1150 1600
1400 0990 1030 1180 1630
1600 0900 0950 1090 1530
1800 0900 0940 1100 1550
2000 0710 0740 0840 1140
2200 0530 0540 0610 0810
0000 0470 0480 0530 0700
0200 0440 0450 0510 0670
0400 0440 0450 0500 0660
0600 0390 0410 0470 0650
0800 0660 0710 0850 1250
= AR

4735 kHz, 06-04, 0700 UTC
VVV VVV PROMRCh = 06 04 =
1000 0810 0850 1000 1420
1200 0950 1000 1140 1580
1400 1000 1030 1170 1620
1600 0900 0940 1090 1530
1800 0890 0940 1090 1550
2000 0720 0740 0840 1160
2200 0530 0540 0610 0820
0000 0470 0480 0530 0700
0200 0440 0450 0500 0660
0400 0430 0440 0490 0660
0600 0390 0410 0470 0650
0800 0660 0700 0850 1240
= ABV
VVV VVV PROMRCh = 06 04 =
1000 0810 0850 1000 1420
1200 0950 1000 1140 1580
1400 1000 1030 1170 1620
1600 0900 0940 1090 1530
1800 0890 0940 1090 1550
2000 0720 0740 0840 1160
2200 0530 0540 0610 0820
0000 0470 0480 0530 0700
0200 0440 0450 0500 0660
0400 0430 0440 0490 0660
0600 0390 0410 0470 0650
0800 0660 0700 0850 1240
= AR

4735 kHz, 07-04, 0700 UTC
VVV VVV PROMRCh = 07 04 =
1000 0810 0850 1000 1420
1200 0960 1000 1140 1580
1400 0990 1030 1170 1620
1600 0910 0950 1090 1540
1800 0900 0940 1090 1550
2000 0730 0750 0850 1160
2200 0530 0550 0620 0820
0000 0470 0480 0540 0710
0200 0440 0450 0510 0670
0400 0430 0440 0500 0660
0600 0390 0410 0470 0660
0800 0660 0700 0850 1240
= ABV
VVV VVV PROMRCh = 07 04 =
1000 0810 0850 1000 1420
1200 0960 1000 1140 1580
1400 0990 1030 1170 1620
1600 0910 0950 1090 1540
1800 0900 0940 1090 1550
2000 0730 0750 0850 1160
2200 0530 0550 0620 0820
0000 0470 0480 0540 0710
0200 0440 0450 0510 0670
0400 0430 0440 0500 0660
0600 0390 0410 0470 0660
0800 0660 0700 0850 1240
= AR

4735 kHz, 08-04, 0700 UTC
VVV VVV PROMRCh = 08 04 =
(16s silence)
1200 0960 0990 1130 1570
1400 1000 1040 1180 1630
1600 0910 0950 1100 1540
1800 0900 0940 1090 1550
2000 0740 0760 0870 1190
2200 0540 0560 0630 0840
0000 0480 0490 0540 0710
0200 0450 0460 0510 0670
0400 0430 0440 0510 0660
0400 0400 0420 0480 0670
0800 0660 0700 0840 1230
= ABV
VVV VVV PROMRCh = 08 04 =
1000 0810 0850 0990 1510
1200 0960 0990 1130 1570
1400 1000 1040 1180 1630
1600 0910 0950 1100 1540
1800 0900 0940 1090 1550
2000 0740 0760 0870 1190
2200 0540 0560 0630 0840
0000 0480 0490 0540 0710
0200 0450 0460 0510 0670
0400 0430 0440 0510 0660
0400 0400 0420 0480 0670
0800 0660 0700 0840 1230
= AR

4735 kHz, 09-04, 0700 UTC

VVV VVV PROMRCh = 09 04 =
 1000 0810 0850 0990 1400
 1200 0960 1000 1130 1560
 1400 1000 1040 1180 1620
 1600 0920 0960 1100 1540
 1800 0900 0940 1090 1540
 2000 0750 0780 0880 1200
 2200 0550 0570 0640 0850
 0000 0480 0490 0550 0720
 0200 0450 0460 0510 0680
 0400 0430 0440 0500 0660
 0600 0410 0420 0490 0680
 0800 0660 0700 0840 1230
 = ABV

VVV VVV PROMRCh = 09 04 =
 1000 0810 0850 0990 1400
 1200 0960 1000 1130 1560
 1400 1000 1040 1180 1620
 1600 0920 0960 1100 1540
 1800 0900 0940 1090 1540
 2000 0750 0780 0880 1200
 2200 0550 0570 0640 0850
 0000 0480 0490 0550 0720
 0200 0450 0460 0510 0680
 0400 0430 0440 0500 0660
 0600 0410 0420 0490 0680
 0800 0660 0700 0840 1230
 = AR

4735 kHz, 13-04, 0700 UTC

VVV VVV PROMRCh = 13 04 =
 1000 0790 0830 0970 1370
 1200 0930 0970 1100 1520
 1400 0980 1010 1150 1580
 1600 0910 0950 1090 1510
 1800 0890 0930 1070 1510
 2000 0760 0790 0900 1230
 2200 0570 0580 0660 0880
 0000 0490 0500 0550 0730
 0200 0470 0480 0530 0690
 0400 0440 0450 0500 0670
 0600 0420 0450 0520 0740
 0800 0650 0690 0820 1200
 = ABV

VVV VVV PROMRCh = 13 04 =
 1000 0790 0830 0970 1370
 1200 0930 0970 1100 1520
 1400 0980 1010 1150 1580
 1600 0910 0950 1090 1510
 1800 0890 0930 1070 1510
 2000 0760 0790 0900 1230
 2200 0570 0580 0660 0880
 0000 0490 0500 0550 0730
 0200 0470 0480 0530 0690
 0400 0440 0450 0500 0670
 0600 0420 0450 0520 0740
 0800 0650 0690 0820 1200
 = AR

4735 kHz, 10-04, 0700 UTC

VVV VVV PROMRCh = 10 04 =
 1000 0800 0840 0980 1390
 1200 0950 0980 1120 1550
 1400 0990 1030 1170 1610
 1600 0910 0950 1090 1530
 1800 0890 0930 1080 1530
 2000 0740 0770 0870 1200
 2200 0550 0570 0630 0850
 0000 0480 0500 0550 0720
 0200 0460 0470 0520 0680
 0400 0430 0440 0500 0660
 0600 0410 0430 0500 0720
 0800 0650 0690 0830 1210
 = ABV

VVV VVV PROMRCh = 10 04 =
 1000 0800 0840 0980 1390
 1200 0950 0980 1120 1550
 1400 0990 1030 1170 1610
 1600 0910 0950 1090 1530
 1800 0890 0930 1080 1530
 2000 0740 0770 0870 1200
 2200 0550 0570 0630 0850
 0000 0480 0500 0550 0720
 0200 0460 0470 0520 0680
 0400 0430 0440 0500 0660
 0600 0410 0430 0500 0720
 0800 0650 0690 0830 1210
 = AR

4735 kHz, 14-04, 0700 UTC

VVV VVV PROMRCh = 14 04 =
 1000 0790 0830 0970 1370
 1200 0930 0970 1100 1520
 1400 0980 1010 1150 1580
 1600 0910 0950 1090 1510
 1800 0890 0930 1070 1510
 2000 0760 0790 0900 1230
 2200 0570 0580 0660 0880
 0000 0490 0500 0550 0730
 0200 0470 0480 0530 0690
 0400 0440 0450 0500 0670
 0600 0420 0450 0520 0740
 0800 0650 0690 0820 1200
 = ABV

VVV VVV PROMRCh = 14 04 =
 1000 0790 0830 0970 1370
 1200 0930 0970 1100 1520
 1400 0980 1010 1150 1580
 1600 0910 0950 1090 1510
 1800 0890 0930 1070 1510
 2000 0760 0790 0900 1230
 2200 0570 0580 0660 0880
 0000 0490 0500 0550 0730
 0200 0470 0480 0530 0690
 0400 0440 0450 0500 0670
 0600 0420 0450 0520 0740
 0800 0650 0690 0820 1200
 = AR

4735 kHz, 11-04, 0700 UTC

VVV VVV PROMRCh = 11 04 =
 1000 0790 0830 0970 1380
 1200 0930 0970 1100 1520
 1400 0980 1020 1150 1590
 1600 0910 0950 0090 1530
 1800 0880 0930 1070 1510
 2000 0750 0780 0880 1210
 2200 0550 0570 0640 0860
 0000 0410 0500 0550 0720
 0500 0460 0470 0520 0680
 0400 0430 0440 0500 0660
 0600 0410 0430 0510 0730
 0800 0650 0690 0830 1210
 = ABV =

VVV VVV PROMRCh = 11 04 =
 1000 0790 0830 0970 1380
 1200 0930 0970 1100 1520
 1400 0980 1020 1150 1590
 1600 0910 0950 0090 1530
 1800 0880 0930 1070 1510
 2000 0750 0780 0880 1210
 2200 0550 0570 0640 0860
 0000 0410 0500 0550 0720
 0500 0460 0470 0520 0680
 0400 0430 0440 0500 0660
 0600 0410 0430 0510 0730
 0800 0650 0690 0830 1210
 = AR

4735 kHz, 15-04, 0659 UTC

VVV VVV PROMRCh = 15 04 =
 1000 0790 0830 0960 1360
 1200 0920 0960 1080 1500
 1400 0960 1000 1130 1550
 1600 0900 0940 1080 1510
 1800 0880 0920 1060 1500
 2000 0770 0800 0910 1260
 2200 0580 0600 0680 0910
 0000 0510 0520 0570 0750
 0200 0480 0490 0540 0710
 0400 0450 0460 0510 0680
 0600 0440 0460 0540 0770
 0800 0650 0690 0820 1190
 = ABV

VVV VVV PROMRCh = 15 04 =
 1000 0790 0830 0960 1360
 1200 0920 0960 1080 1500
 1400 0960 1000 1130 1550
 1600 0900 0940 1080 1510
 1800 0880 0920 1060 1500
 2000 0770 0800 0910 1260
 2200 0580 0600 0680 0910
 0000 0510 0520 0570 0750
 0200 0480 0490 0540 0710
 0400 0450 0460 0510 0680
 0600 0440 0460 0540 0770
 0800 0650 0690 0820 1190
 = AR

4735 kHz, 12-04, 0659 UTC

VVV VVV PROMRCh = 12 04 =
 1000 0790 0830 0970 1370
 1200 0920 0960 1090 1510
 1400 0970 1010 1150 1580
 1600 0910 0940 1090 1520
 1800 0890 0930 1070 1510
 2000 0750 0780 0890 1210
 2200 0560 0570 0640 0870
 0000 0490 0500 0550 0730
 0200 0460 0470 0520 0690
 0400 0440 0450 0500 0660
 0600 0420 0440 0520 0730
 0800 0650 0690 0820 1210
 = ABV

VVV VVV PROMRCh = 12 04 =
 1000 0790 0830 0970 1370
 1200 0920 0960 1090 1510
 1400 0970 1010 1150 1580
 1600 0910 0940 1090 1520
 1800 0890 0930 1070 1510
 2000 0750 0780 0890 1210
 2200 0560 0570 0640 0870
 0000 0490 0500 0550 0730
 0200 0460 0470 0520 0690
 0400 0440 0450 0500 0660
 0600 0420 0440 0520 0730
 0800 0650 0690 0820 1210
 = AR

4735 kHz, 16-04, 0700 UTC

VVV VVV PROMRCh = 16 04 =
 1000 0790 0820 0840 1350
 1200 0910 0950 1080 1480
 1400 0960 0990 1120 1540
 1600 0900 0930 1070 1490
 1800 0870 0910 1050 1480
 2000 0770 0800 0910 1260
 2200 0590 0600 0680 0910
 0000 0510 0520 0580 0750
 0200 0490 0500 0550 0720
 0400 0460 0470 0520 0690
 0600 0440 4 EEEEEEE =
 0600 0540 0470 0550 0780
 0800 0640 0680 0810 1190
 = ABV

VVV VVV PROMRCh = 16 04 =
 1000 0790 0820 0840 1350
 1200 0910 0950 1080 1480
 1400 0960 0990 1120 1540
 1600 0900 0930 1070 1490
 1800 0870 0910 1050 1480
 2000 0770 0800 0910 1260
 2200 0590 0600 0680 long
 tone, distorted audio, EEEEEEE =
 2200 0590 0600 0680 0910
 0000 0510 0520 0580 0750
 0200 0490 0500 0550 0720
 0400 0460 0470 0520 0 off

4735 kHz, 17-04, 0700 UTC

VVV VVV PROMRCh = 17 04 =
1000 0780 0810 0940 1330
1200 0900 0940 1070 1470
1400 0940 0980 1100 1520
1600 0880 0920 1060 1480
1800 0850 0890 1030 1460
2000 0770 0800 0910 1250
2200 0590 0610 0680 0920
0000 0510 0530 0580 0760
0200 0490 0500 0550 0720
0400 0450 0470 0520 0690
0600 0450 0470 0550 0790
0800 0640 0680 0810 1170
= ABV

VVV VVV PROMRCh = 17 04 =
1000 0780 0810 0940 1330
1200 0900 0940 1070 1470
1400 0940 0980 1100 1520
1600 0880 0920 1060 1480
1800 0850 0890 1030 1460
2000 0770 0800 0910 1250
2200 0590 0610 0680 0920
0000 0510 0530 0580 0760
0200 0490 0500 0550 0720
0400 0450 0470 0520 0690
0600 0450 0470 0550 0790
0800 0640 0680 0810 1170
= AR

4735 kHz, 18-04, 0700 UTC

VVV VVV PROMRCh = 18 04 =
1000 0770 0810 0930 1320
1200 0890 0920 1050 1550
1400 0920 0960 1090 1500
1600 0870 0910 1140 1460
1800 0840 0880 1020 1440
2000 0770 0800 0910 1260
2200 0590 0610 0680 0920
0000 0520 0530 0580 0760
0200 0490 0500 0550 0720
0400 0460 0470 0520 0690
0600 0450 0470 0560 0800
0800 0630 0670 0800 1160
= ABV

VVV VVV PROMRCh = 18 04 =
1000 0770 0810 0930 1320
1200 0890 0920 1050 1550
1400 0920 0960 1090 1500
1600 0870 0910 1140 1460
1800 0840 0880 1020 1440
2000 0770 0800 0910 1260
2200 0590 0610 0680 0920
0000 0520 0530 0580 0760
0200 0490 0500 0550 0720
0400 0460 0470 0520 0690
0600 0450 0470 0560 0800
0800 0630 0670 0800 1160
= AR

4735 kHz, 19-04, 0700 UTC

VVV VVV PROMRCh = 19 04 =
1000 0760 0790 0920 1300
1200 0870 0910 1030 1430
1400 0910 0940 1070 1480
1600 0860 0900 1030 1450
1800 0830 0860 1000 1410
2000 0770 0800 0910 1260
2200 0590 0610 0680 0930
0000 0510 0530 0580 0760
0200 0490 0500 0560 0730
0400 0460 0470 0520 0690
0600 0450 0880 0560 0800
0800 0630 0670 0800 1160
= ABV

VVV VVV PROMRCh = 19 04 =
1000 0760 0790 0920 1300
1200 0870 0910 1030 1430
1400 0910 0940 1070 1480
1600 0860 0900 1030 1450
1800 0830 0860 1000 1410
2000 0770 0800 0910 1260
2200 0590 0610 0680 0930
0000 0510 0530 0580 0760
0200 0490 0500 0560 0730
0400 0460 0470 0520 0690
0600 0450 0880 0560 0800
0800 0630 0670 0800 1160
= AR

4735 kHz, 20-04, 0700 UTC

VVV VVV PROMRCh = 20 04 =
1000 0750 0780 0910 1290
1200 0870 0900 1020 1420
1400 0900 0930 1060 1460
1600 0850 0880 1020 1430
1800 0810 0850 0990 1390
2000 0770 0800 0910 1260
2200 0590 0610 0690 0930
0000 0520 0530 0590 0760
0200 0490 0500 0560 07?0
0400 0460 0470 0520 0690
0600 0450 0480 0560 0810
0800 0620 0660 0780 1270
= ABV

VVV VVV PROMRCh = 20 04 =
1000 0750 0780 0910 1290
1200 0870 0900 1020 1420
1400 0900 0930 1060 1460
1600 0850 0880 1020 1430
1800 0810 0850 0990 1390
2000 0770 0800 0910 1260
2200 0590 0610 0690 0930
0000 0520 0530 0590 0760
0200 0490 0500 0560 07?0
0400 0460 0470 0520 0690
0600 0450 0480 0560 0810
0800 0620 0660 0780 1270
= AR

4735 kHz, 21-04, 0703 UTC

VVV VVV PROMRCh = 21 04 =
1000 0740 0770 0900 1270
1200 0860 0890 1011 1010 EEEEE =
1200 0860 0890 1010 1390
1400 0880 0920 1040 1430
1600 0840 0870 1010 1410
1800 0800 0830 0970 1370
2000 0760 0800 0910 1250
2000 0590 0610 0690 0930
0000 0520 0530 0580 0770
0200 0490 0500 0560 0730
0400 0460 0470 0520 0690
0600 0460 0480 0570 0820
0800 0620 0650 0780 1130
= ABV =

VVV VVV PROMRCh = 21 04 =
1000 0740 0770 0900 1270
1200 0860 0890 1010 1390
1400 0880 0920 1040 1430
1600 0840 0870 1010 1410
1800 0800 0830 0970 1370
2000 0760 0800 0910 1250
2000 0590 0610 0690 0930
0000 0520 0530 0580 0770
0200 0490 0500 0560 0730
0400 0460 0470 0520 0690
0600 0460 0480 0570 0820
0800 0620 0650 0780 1130
= AR

4735 kHz, 22-04, 0700 UTC

VVV VVV PROMRCh = 22 04 =
1000 0730 0770 0890 1270
1200 0850 0890 1000 1390
1400 0880 0920 1040 1440
1600 0830 0860 0000 1410
1800 0780 0880 0950 1350
2000 0760 0790 0900 1250
2200 0590 0610 0690 0930
0000 0520 0540 0590 0770
0200 0490 0500 0550 0720
0400 0450 0460 0510 0680
0600 0450 0480 0560 0810
0800 0610 0650 0770 1120
= ABV

VVV VVV PROMRCh = 22 04 =
1000 0730 0770 0890 1270
1200 0850 0890 1000 1390
1400 0880 0920 1040 1440
1600 0830 0860 0000 1410
1800 0780 0880 0950 1350
2000 0760 0790 0900 1250
2200 0590 0610 0690 0930
0000 0520 0540 0590 0770
0200 0490 0500 0550 0720
0400 0450 0460 0510 0680
0600 0450 0480 0560 0810
0800 0610 0650 0770 1120
= AR

4735 kHz, 23-04, 0700 UTC

VVV VVV PROMRCh = 23 04 =
1000 0720 0750 0880 1270
1200 0830 0860 0980 1360
1400 0860 0890 1020 1410
1600 0820 0860 1000 1400
1800 0780 0810 0950 1350
2000 0750 0780 0890 1240
2200 0580 0600 0680 0920
0000 0520 0530 0590 0770
0200 0480 0490 0550 0710
0400 0440 0450 0500 0670
0600 0450 0470 0560 0800
0800 0600 0630 0760 1110
= ABV

VVV VVV PROMRCh = 23 04 =
1000 0720 0750 0880 1270
1200 0830 0860 0980 1360
1400 0860 0890 1020 1410
1600 0820 0860 1000 1400
1800 0780 0810 0950 1350
2000 0750 0780 0890 1240
2200 0580 0600 0680 0920
0000 0520 0530 0590 0770
0200 0480 0490 0550 0710
0400 0440 0450 0500 0670
0600 0450 0470 0560 0800
0800 0600 0630 0760 1110
= AR

4735 kHz, 24-04, 0659 UTC

VVV VVV PROMRCh = 24 04 =
1000 0710 0750 0870 1280
1200 0820 0860 0980 1360
1400 0850 0880 1010 1400
1600 0810 0850 0990 1390
1800 0770 0810 0950 1340
2000 0740 0770 0880 1230
2200 0570 0590 0670 0910
0000 0500 0520 0570 0750
0200 0470 0480 0540 0700
0400 0440 0450 0500 0670
0600 0450 0470 0560 0800
0800 0600 0630 0760 1110
= ABV

VVV VVV PROMRCh = 24 04 =
1000 0710 0750 0870 1280
1200 0820 0860 0980 1360
1400 0850 0880 1010 1400
1600 0810 0850 0990 1390
1800 0770 0810 0950 1340
2000 0740 0770 0880 1230
2200 0570 0590 0670 0910
0000 0500 0520 0570 0750
0200 0470 0480 0540 0700
0400 0440 0450 0500 0670
0600 0450 0470 0560 0800
0800 0600 0630 0760 1110
= AR

4735 kHz, 25-04, 0659 UTC

VVV VVV PROMRCh = 25 04 =
1000 0720 0750 0880 1270
1200 0830 0860 0980 1370
1400 0850 0880 1010 1400
1600 0810 0850 0980 1390
1800 0770 0810 0940 1340
2000 0750 0780 0890 1240
2200 0580 0600 0670 0920
0000 0500 0520 0570 0750
0200 0480 0490 0540 0710
0400 0440 0450 0500 0670
0600 0450 0480 0560 0800
0800 0600 0640 0760 1120

= ABV

VVV VVV PROMRCh = 25 04 =
1000 0720 0750 0880 1270
1200 0830 0860 0980 1370
1400 0850 0880 1010 1400
1600 0810 0850 0980 1390
1800 0770 0810 0940 1340
2000 0750 0780 0890 1240
2200 0580 0600 0670 0920
0000 0500 0520 0570 0750
0200 0480 0490 0540 0710
0400 0440 0450 0500 0670
0600 0450 0480 0560 0800
0800 0600 0640 0760 1120

= AR

4735 kHz, 28-04, 0700 UTC

VVV VVV PROMRCh = 28 04 =
1000 0720 0760 0890 1280
1200 0820 0850 0980 1360
1400 0840 0870 1000 1390
1600 0800 0840 0970 1370
1800 0770 0810 0940 1330
2000 0750 0780 0900 1240
2200 0600 0620 0690 0940
0000 0530 0540 0600 0780
0200 0490 0500 0550 0720
0400 0450 0460 0510 0680
0600 0460 0480 0570 0820
0800 0610 0640 0770 1130

= ABV

VVV VVV PROMRCh = 28 04 =
1000 0720 0760 0890 1280
1200 0820 0850 0980 1360
1400 0840 0870 1000 1390
1600 0800 0840 0970 1370
1800 0770 0810 0940 1330
2000 0750 0780 0900 1240
2200 0600 0620 0690 0940
0000 0530 0540 0600 0780
0200 0490 0500 0550 0720
0400 0450 0460 0510 0680
0600 0460 0480 0570 0820
0800 0610 0640 0770 1130

= AR

4735 kHz, 26-04, 0700 UTC

VVV VVV PROMRCh = 25 04 =
1000 0720 0670 0880 1280
1200 0820 0860 0980 1360
1400 0840 0880 1000 1400
1600 0800 0840 0980 1380
1800 0770 0810 0940 1340
2000 0750 0780 0890 1240
2200 0580 0600 0680 0920
0000 0510 0530 0580 0760
0200 0480 0490 0540 0710
0400 0440 0460 0510 0680
0600 0450 0480 0570 0820
0800 0600 0640 0770 1120

=ABV

VVV VVV PROMRCh = 25 04 =
1000 0720 0670 0880 1280
1200 0820 0860 0980 1360
1400 0840 0880 1000 1400
1600 0800 0840 0980 1380
1800 0770 0810 0940 1340
2000 0750 0780 0890 1240
2200 0580 0600 0680 0920
0000 0510 0530 0580 0760
0200 0480 0490 0540 0710
0400 0440 0460 0510 0680
0600 0450 0480 0570 0820
0800 0600 0640 0770 1120

= AR

4735 kHz, 29-04, 0700 UTC

VVV VVV PROMRCh = 29 04 =
1000 0730 0760 0890 1280
1200 0830 0860 0980 1370
1400 0840 0880 1000 1400
1600 0800 0840 0970 1380
1800 0770 0800 0940 1330
2000 0760 0790 0900 1250
2200 0600 0620 0700 0950
0000 0530 0550 0600 0790
0200 0500 0500 0560 0730
0400 0450 0460 0510 0680
0600 0460 0490 0580 0820
0800 0610 0650 0780 1130

= ABV

VVV VVV PROMRCh = 29 04 =
1000 0730 0760 0890 1280
1200 0830 0860 0980 1370
1400 0840 0880 1000 1400
1600 0800 0840 0970 1380
1800 0770 0800 0940 1330
2000 0760 0790 0900 1250
2200 0600 0620 0700 0950
0000 0530 0550 0600 0790
0200 0500 0500 0560 0730
0400 0450 0460 0510 0680
0600 0460 0490 0580 0820
0800 0610 0650 0780 1130

= AR

4735 kHz, 27-04, 0659 UTC

VVV VVV PROMRCh = 27 04 =
1000 0720 0760 0880 1280
1200 0820 0860 0980 1360
1400 0820 0870 1000 1390
1600 0800 0840 0970 1380
1800 0770 0800 0940 1330
2000 0750 0780 0890 1240
2200 0590 0610 0680 0930
0000 0520 0540 0590 0770
0200 0480 0490 0550 0720
0400 0440 0460 0510 0680
0600 0460 0480 0570 0820
0800 0600 0640 0770 1120

= ABV

VVV VVV PROMRCh = 27 04 =
1000 0720 0760 0880 1280
1200 0820 0860 0980 1360
1400 0820 0870 1000 1390
1600 0800 0840 0970 1380
1800 0770 0800 0940 1330
2000 0750 0780 0890 1240
2200 0590 0610 0680 0930
0000 0520 0540 0590 0770
0200 0480 0490 0550 0720
0400 0440 0460 0510 0680
0600 0460 0480 0570 0820
0800 0600 0640 0770 1120

= AR

4735 kHz, 30-04, 0700 UTC

VVV VVV PROMRCh = 30 04 =
1000 0730 0770 0890 1280
1200 0830 0860 0980 1370
1400 0850 0880 1010 1400
1600 0810 0840 0980 1390
1800 0770 0810 0940 1340
2000 0760 0790 0900 1260
2200 0610 0630 0710 0950
0000 0540 0560 0610 0800
0200 0500 0510 0560 0740
0400 0450 0470 0520 0690
0600 0470 0500 0580 0830
0800 0620 0650 0780 1140

= ABV

VVV VVV PROMRCh = 30 04 =
1000 0730 0770 0890 1280
1200 0830 0860 0980 1370
1400 0850 0880 1010 1400
1600 0810 0840 0980 1390
1800 0770 0810 0940 1340
2000 0760 0790 0900 1260
2200 0610 0630 0710 0950
0000 0540 0560 0610 0800
0200 0500 0510 0560 0740
0400 0450 0470 0520 0690
0600 0470 0500 0580 0830
0800 0620 0650 0780 1140

= AR

UM10 - 10-minutes net

Thanks to JPL for the UM10 logs. This station always sends on two parallel frequencies.

5860 kHz, 02-04 UTC, MIBH (0955 – 1005)

7380 kHz, 14-04 UTC, MIBH (2225 – 2235)

5755 kHz, 17-04 UTC, HUU4 (1045 – 1055)

5755 kHz, 17-04 UTC, HUU4 (1315 – 1325)

3525/4310 kHz, 02-04 UTC, QK4S (1155 – 1205)

3525/4310 kHz, 02-04 UTC, QK4S (1755 – 1805)

3525/4310 kHz, 10-04 UTC, QK4S (1655 – 1605)

3525/4310 kHz, 12-04 UTC, QK4S (1225 – 1235)

3525/4310 kHz, 21-04 UTC, QK4S (1155 – 1205)

3525/4310 kHz, 29-04 UTC, QK4S (1655 – 1605)

3280/3780 kHz, 02-04 UTC, HUU4 (1515 – 1525)

3280/3780 kHz, 10-04 UTC, HUU4 (1215 – 1225)

3280/3780 kHz, 10-04 UTC, HUU4 (1715 – 1725)

3280/3780 kHz, 23-04 UTC, HUU4 (1645 – 1655)

3280/3780 kHz, 30-04 UTC, HUU4 (1515 – 1525)

5860 kHz, 17-04 UTC, QK4S (1225 – 1235)

5755/6776 kHz, 24-04 UTC, NTQN (1015 – 1025)



DIGITAL MODES

F01

F01 – FSK 200/500 Mon-Fri schedule

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

60339 95739 17510 13710 73956 08948 65335 42517 70200 70246
67426 70321 43449 91725 60281 44996 33662 04416 30167 18387
78916 14688 63943 11282 23509 38532 89046 73532 55053 80791
38572 89925 69028 51653 02389 79510 84203 37509 50232 54804
57373 68410 37701 95536 70858 49284 31106 16640 91182 47110
12105 35159 22394 51245 48053 65777 02445 49071 39021 99467
16069 84168 77408 46203 22619 89202 81091 42650 22261 10687
86042 60821 09001 67847 09364 66082 83959 12747 18663 07976
27338 83865 68720 47287 52513 70328 91371 49228 90700 28968
49557 97421 79617 21399 91466 08373 54594 63306 65714 51114
65557 03126 83497 01719 68331 72305 38653 87358 63699 74339
21572 99606 82644 04752 87890 81662 41235 19240 67910 19189
13559 92127 27675 89449 96174 32362 17647 48444 62501 49198
69917 60702 30584 84786 29888 01459 92677 55846 33369 85865
80082 71596 65016 04949 61680 20159 59057 72991 99581 40592
28243 16028 10362 22766 31956 56139 05279 02252 19416 71237
07950 42421 08923 35025 72896 20939 89070 66817 53413 62839
52875 45918 92181 873/8 00741 70228 33083 60787 73222 63789
77639 72315 99504 62927 34515 75412 72542 35711 35530 61572
86798 14389 16609 58832 99514 45505 87110 72167 01463 87381
35977 07973 08096 09642 48127 49818 07054 74487 29558 77649
22953 04386 64555 47647 85396 65880 53487 74906 11144 24197

04594 86142 36385 48344 78214 34602 60041 71379 06906 94366
84043 35550 39866 76242 61519 76976 85114 32417 88826 29579
47868 42=71 02378 52924 88540 95140 66177 13693 48810 16404
61027 75443 19195 97092 11327 76362 46562 26211 10412 99695
05024 38745 30356 66536 78644 22959 27195 05674 29402 53953
77492 80167 48842 45691 07187 75357 16867 38661 98671 77984
16075 65639 87023 01108 75121 60865 81339 34516 39511 10455
72097 25314 93268 51825 10504 18365 79935 73744 70736 11297
96307 78525 31046 03732 57371 00461 34634 45454 55871 97384
16266 13185 64993 95758 30559 70658 57226 89215 42698 91688
38982 84439 68134 50908 22508 75439 71156 11874 85427 24534
09320 67222 90213 15546 34045 10562 62406 38641 83535 44793
50951 85801 28909 56539 19120 99136 84498 11381 39422 39221
28244 49578 90959 65584 23120 86964 82668 04673 53554 35071
50886 81576 11681 04640 04567 19739 97611 43762 16963 12809
54269 62766 86566 13714 23112 28103 16399 66432 43452 08369
84684 13234 57377 42692 05490 91622 63212 51781 02745 98168
61429 98121 12550 21874 91139 59427 79246 38119 95853 48776
99403 00000 +++++ +++++ +++++

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

25767 91064 08509 07751 75343 51480 54402 62080 00102 84860
89488 79486 02381 99373 11893 12097 25324 98195 49880 38131
19465 06243 64243 17575 39895 49733 14845 68672 47430 55759
27268 44889 12212 64078 20489 17066 43202 68292 81533 90424
91977 28609 98039 11134 04290 23376 84663 42102 17815 31565
64279 12712 29526 63413 89891 72150 81138 81381 18221 01052
36058 78644 70869 61127 46268 07277 44041 87464 32596 73349
52719 53198 26799 41088 20260 61223 48898 01077 00000

43576 46080 23337 55084 75166 77338 97237 68016 33810 24744
26584 83279 87442 52854 33551 83694 84920 54649 01575 54103
63701 58708 54965 98153 27552 86473 88998 07536 86456 20558
55190 07090 75922 70021 31433 24236 97869 43558 31678 56154
50286 66529 34865 33160 37842 02789 37768 01701 80647 67220
61463 75429 63344 39942 66089 27772 91715 18109 53604 24446
49003 66244 63209 19346 69120 51053 89143 62260 68942 71639
75526 91826 06873 21067 67939 12190 59861 40218 26428 76783
36072 49864 29627 27683 65377 71899 24679 63951 34873 75672
02642 02091 00000 +++++

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

00000 +++++ +++++

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

16488 41130 67703 80884 90886 98872 41325 54300 88293 56610
78733 61029 00742 14713 57834 45847 03348 79990 43799 65261
06846 22105 39896 85380 65686 07818 27466 25589 15141 80256
31011 27703 35846 75388 69305 55303 69224 92887 78491 52939
32229 63586 18076 19872 04836 80693 95773 78062 88724 86970
72149 39089 60601 35054 30964 99667 68572 63107 26195 20479
45029 52993 41648 67989 34480 63156 24106 23936 59747 53394
75947 92183 74994 43712 18181 57629 78996 74454 59820 76845
87112 59883 34551 05148 85374 52404 90615 89782 15154 59630
44861 83902 61825 81458 36883 61043 45874 59356 44203 34769
39885 55038 44423 13184 59837 00735 35288 42992 04171 88219
48593 22797 39025 88801 18882 90329 53124 21456 92862 13283
30712 11291 90483 38455 16004 05533 53615 78872 67575 39217
43254 43600 26128 67777 71209 39902 44071 08713 77196 02461
50364 59525 87276 29335 49041 84116 14584 29339 74873 84825
88277 10538 54589 02306 21644 64543 47105 10407 55311 26301
61192 98284 36483 14041 74031 56884 20163 79112 99069 12020
03270 20350 76647 71220 27615 42686 85801 76526 12661 64692

00710 80440 03998 04727 40193 87202 48486 00390 83728 26588
31995 40960 52396 52416 40674 17515 78211 82940 31700 20404
10271 25342 24432 38786 31153 51467 47918 41891 82007 17046
05678 46720 19779 41539 43722 01845 54991 90822 32717 42025
43539 29894 00259 93299 30920 37780 74174 33257 72347 01845
22801 36176 77173 33675 03173 57708 51074 73739 53055 38804
34424 77000 87763 33563 60292 96674 87710 90697 80513 08321
87605 43296 33262 41454 03253 86576 50562 10859 56893 48315
29181 64802 87008 81639 13339 92329 53541 34867 62671 56823
74459 78089 03880 48027 54609 91177 89522 69710 92788 42904
12354 05163 77982 15859 48686 27712 10692 56864 29180 48447
10304 57552 60516 18337 94427 94820 46393 26929 41150 85826
81261 64818 70127 37225 15265 42078 03468 93329 13805 79825
92340 12895 60168 17128 20242 29185 74663 00423 18853 73045
48695 47652 57439 63640 17221 04281 91726 96556 18022 33407
83175 83964 11228 07137 24616 26501 57531 91416 33155 21600
78538 41509 96317 37914 47674 50306 82341 10557 85105 16655
50574 36818 55091 25892 22898 77064 89222 59779 02133 90498
83975 78012 48354 60468 46015 38502 49046 89022 83694 48617
44049 65378 68182 64563 91228 38017 12654 81103 83800 45069
42990 78787 55259 82691 58415 20900 32839 16125 05515 17292
25442 63106 14066 97303 56987 04341 68131 58950 81101 00703
10832 86567 38092 21872 06260 54102 40148 16074 06949 56233
95698 75629 00355 34514 08872 77986 32776 90719 14984 06931
34150 03421 00000 +++++ +++++ +++++

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

17273 54508 83283 59301 20943 66038 46588 02823 67198 08811
59226 66443 20142 11317 78573 86613 84957 89104 05486 58225
64108 69502 26684 40246 54253 19960 75192 51678 94825 34688
82288 25053 04207 59281 19387 09614 64438 58029 53312 41409
40407 53576 63380 22461 44434 93642 93734 76197 82220 24480
39377 71354 41071 75752 89326 31513 06345 86530 75338 72470
17061 27090 99642 34632 96610 96191 40102 02609 19495 98542
56268 29214 00040 32123 44745 06034 14024 40052 17307 47772
89147 06708 00208 82556 25292 02761 78124 65376 30499 08825
31156 04091 00000

29722 90910 20773 72605 84051 26061 01839 43470 60888 96926
60175 08234 15229 46921 30016 98865 85994 41037 63251 84474
41950 14181 64857 17153 54666 54758 04577 59169 78233 21958
97067 52442 40385 20152 67692 16241 74749 78878 46142 84044
48890 11813 55070 15498 67843 53192 85951 44404 57826 95112
79316 48689 59810 74143 51580 53274 87643 80696 35637 01805
30414 89585 27410 58150 03741 35217 55549 23638 79668 79846
16457 80945 49872 48335 41838 00584 01851 05077 00000 +++++

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

71997 52822 58552 55427 06814 53332 31448 62537 10128 81667
96669 30125 74101 24964 96623 78780 19530 51442 68570 50649
11321 31514 68942 24737 03751 07823 42276 55351 01443 43892
83225 75884 47010 06083 65063 35105 71292 58527 33139 58168
67128 75748 86703 49512 72602 02640 97559 79841 74702 16493
38959 24373 69320 70766 23194 44549 38541 25282 71320 30386
31159 92531 63442 45662 57341 54782 43002 43117 33405 31675
73517 41867 37617 02998 71185 84207 62973 16319 61814 14000
77883 34177 35506 43833 30709 00499 97523 03132 59080 30957
38800 84418 89943 56929 74500 29904 41259 77764 24097 25596
61303 01034 31381 95117 66504 75461 47857 10418 63754 46214
27951 61566 68121 87246 09470 52816 51919 90377 77760 17123
86059 15801 36990 66312 59623 33704 36994 19075 88595 11688
29135 73983 49700 27676 49587 19713 00263 13002 53523 99665
70052 55351 48591 73162 36030 16266 01169 40421 15948 42880

13793 23474 41731 78580 97223 20246 98580 02286 85579 73955
40745 51022 67966 25034 19874 05487 35059 37761 86926 43291
64049 18783 53533 89565 90424 69724 23784 19611 39987 41060
32352 93296 19574 79447 49911 25876 89900 85709 41768 24920
68973 25635 90663 48051 39507 60816 19664 61161 58778 91679
76092 01817 94365 29917 62428 77508 34200 42499 25122 53471
44368 34456 37253 09732 73118 62620 35978 72080 24480 97503
00694 46662 49957 75519 82870 12869 31731 08712 23472 54210
55793 44202 18921 31875 98464 90525 21529 30642 74728 53046
85343 31849 21821 45647 93333 93099 16505 70879 26873 39396
49485 85744 63433 95380 05375 95322 13447 13383 21679 41411
32262 76954 25212 78373 68133 84578 69398 53380 32191 43240
20886 33239 01311 26556 68913 44982 89839 77129 55873 22426
51099 57842 52502 75859 94622 81756 26131 27076 30038 75314
75449 76921 73560 54529 30206 97548 78015 18849 39285 66564
72331 92392 95607 85261 21451 67220 71278 48122 42578 28360
61426 55773 38723 65247 60178 88586 35460 99284 17194 83118
31849 82196 48207 78560 01458 44880 98008 25399 04413 01424
79303 73473 96430 37997 35895 81612 45750 41280 03611 16042
93921 46146 67428 29746 21373 07254 38224 39979 03706 24269
97595 46105 69649 75372 84179 54957 96604 38767 19917 05905
04737 06851 99695 12817 35531 22767 92809 65102 25760 93987
29669 55027 12801 62651 72207 23484 32239 37316 91413 41403
93685 15830 00429 69002 45771 54002 16653 60056 66216 59761
51289 03362 37959 17491 49765 18614 97236 72226 31475 48852
64592 28406 02272 16678 94713 42856 38154 36437 06075 16702
63580 99533 76285 15899 72848 75089 14107 06417 00000 +++++

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

72402 05876 69937 47778 19868 95942 85433 58379 75094 66280
23687 60110 24258 55565 92023 34303 72529 57197 70210 18644
77558 80499 85211 24677 55722 75686 04779 49532 59556 14795
10835 86600 49824 45747 38584 64798 10641 61760 92270 71151
81113 53269 73548 36358 01917 34550 83374 88030 00244 62252
83379 01297 61579 87998 27654 01460 61728 12263 00871 98387
57525 31706 23702 57334 59687 97147 11458 35870 36222 24378
96876 41618 19841 24989 53026 90470 17824 07077 00000

33358 09225 98529 94941 51558 58019 85287 11689 95291 02770
69823 90141 25704 41949 83247 54578 82808 43770 82327 42325
95690 40933 41960 59877 31862 21167 26652 34042 21719 93269
39440 50284 19035 33310 71687 95475 83425 40707 02198 47211
95721 58849 19090 76910 42194 39963 62852 58867 28558 58891
14032 02443 09706 05503 73996 49597 46098 10390 12188 04936
22748 83558 78322 90463 91747 70799 02977 42236 24263 57407
34979 91087 82940 73972 89059 94633 50659 83889 02195 12730
76571 57307 22076 43571 25362 61184 76145 62629 40672 20147
94639 31606 58617 27836 86067 69590 32344 13428 88577 03621
53551 93022 45629 40815 81936 08105 00000 +++++ +++++

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

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

09363 41157 73580 01317 84896 36419 32655 84636 11854 76017
19860 92408 37866 83937 59200 40040 91903 39666 96319 71837
50936 80279 52717 50840 82876 83891 86705 82353 57974 95375
65789 94604 45855 80313 80164 24966 40392 18107 52008 85185
79597 70183 20269 04058 52723 84237 05621 70966 11750 20446
85289 28755 29466 10592 32426 89345 71308 86037 99717 70544
73166 35484 51927 77486 42327 78446 77042 77137 23754 65399
30729 39305 98882 40511 93769 42591 09128 27921 47183 68716
21282 27482 94698 33673 76994 30916 87290 29120 93525 94319

29444 72478 07952 27955 71848 89148 82017 89254 20209 75300
09824 90001 14848 14659 95525 53590 60809 47742 93249 83336
13124 16969 26394 27754 46948 36088 28519 53739 67250 57358
73003 63607 37736 34920 83655 16916 33695 07803 43479 43000
48469 50984 43755 55183 08212 67971 40659 02571 74646 23307
11571 20392 40490 38466 28296 64803 47249 99564 89349 43112
80057 50317 78526 75335 19261 68698 41918 48059 53422 50720
00577 46506 83441 49783 41015 75775 72477 45032 50723 07169
21353 37145 90886 10560 74143 95012 23508 58737 83626 01726
35109 14647 91273 73317 24196 37498 01495 48702 44687 68636
54796 74236 22487 83159 29559 31353 87382 18173 27115 80691
87475 13660 19813 21177 78301 26876 66758 87474 03864 06222
26919 34258 11732 35521 24278 80740 69422 84652 44730 13884
74228 27465 69397 73750 73699 12908 74063 69411 38948 00332
49407 98864 57982 94884 21723 71387 41237 43937 78818 55781
56509 80486 30775 02913 35466 24470 60258 16032 18931 77922
42068 67259 33117 74922 36617 83722 14017 72262 87011 51740
22116 91770 74449 12526 14625 50244 11594 47823 67425 37902
78623 78923 63903 31325 31658 27501 92871 51795 38215 11698
22756 04988 19426 75906 44240 62950 03660 77674 98554 74297
21272 80181 33602 13573 95150 23715 55096 05703 06745 74591
64909 86493 42284 74956 03817 85091 48841 41897 40821 39358
54964 89309 76249 80096 35531 70964 50799 45052 25544 68193
77739 08650 12527 70641 40436 38380 62228 23532 22401 13788
57313 39865 62046 68996 53723 00998 49332 44703 84414 94037
06500 60586 65130 59498 20071 44055 81923 47637 16307 76293
65097 06926 97310 41517 79268 53088 79958 90399 84217 92141
04858 53588 46243 95877 07507 66257 04678 53224 68846 89641
23276 45923 87404 40466 81153 21960 40195 64235 82956 65188
24590 13302 92963 84582 98320 15662 22803 71552 59823 45402
27463 98768 36097 30756 89295 58925 70271 60687 94694 66879
26068 75947 33139 73615 51345 55547 73285 65450 67909 34569
95795 46947 79785 14270 87596 30937 17134 50406 27250 84128
57996 30717 16122 01704 95060 77505 35041 09367 39635 09429
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10177/8076/6974 kHz, 01-04, 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 10091 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 11087 00000 +++++
+++++ +++++

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

60634 12156 68265 05707 24279 33460 83472 91479 33374 37829
88347 73864 49722 13438 94634 40960 35651 56187 78108 27952
23717 86937 08470 85377 51729 95394 12552 13879 30300 46604

50507 63906 35096 10966 09678 23799 40990 03740 45820 44680
40292 44944 26387 75607 12249 75613 55546 07414 36002 91333
85623 48678 64190 79007 44662 82264 99385 67775 34777 75858
40544 30031 81007 44954 91668 93479 35331 91710 49865 50166
65558 68134 14976 73406 83759 37005 87993 78579 93949 29004
50417 88692 63677 19461 41768 90674 49248 73175 77424 93331
29236 30739 73985 22895 25980 34794 74335 17107 19774 19683
89610 03780 85398 12903 00236 74766 05718 21816 83240 91270
42010 04059 58034 81455 65724 45074 67812 16263 81349 91206
38810 74397 95083 11809 84564 32411 08999 88786 47391 40819
45367 57021 94248 72187 30867 44109 09193 52136 95324 82857
49591 09182 64707 94968 58304 04376 53032 69353 49002 26657
82894 83511 06823 64865 89292 41419 71538 92356 86446 26352
95440 25152 02285 92090 93112 39556 10300 40942 25283 60191
13457 62015 83955 54371 59830 28186 70989 93770 94679 75195
87326 69307 78628 11309 75053 70192 26645 30984 79474 63070
47521 30975 23406 32202 88511 52321 10849 66316 14848 96649
02255 05170 78802 90231 28559 75459 57983 94225 36166 87516
67559 84562 80088 68224 76106 49880 07405 47397 79735 80978
98253 31454 14231 50201 56517 25629 09846 04205 67414 90659
18474 18546 64166 44872 67864 87514 70936 47629 22580 47665
14223 25055 56376 58476 19902 23982 65697 88568 38095 05062
78972 80942 63067 10972 41398 95639 40319 70655 79898 53295
78081 25541 77951 28003 05393 88660 14956 62934 43939 72627
49850 07146 85860 47390 53647 97022 94693 13717 20584 30780
71652 03331 12576 09476 54423 41651 16657 42962 40669 34066
20094 44209 53434 61678 32869 60459 90616 97460 12204 14623
25726 78760 68834 55369 52090 97087 59701 39349 87704 91127
96757 93981 82917 53909 26578 34243 98136 90081 60453 31902
43737 84207 59667 60626 99366 66051 05626 65414 54836 83760
09547 29775 39774 20900 41384 39100 34240 18276 82680 63666
77486 86474 33025 09705 17045 20068 24824 11970 65339 49413
26048 66256 56003 90989 35667 25288 17089 82203 01435 06430
03362 11610 14736 84647 54868 80478 62166 69166 73947 56645
38540 87247 37904 06582 51006 23543 89500 16637 68972 88444
72474 39363 99512 13883 04264 25885 92953 99997 03121 30238
08320 61129 11817 96621 93335 44562 85107 65493 58659 20459
33163 59449 51047 66428 38134 34836 55131 95151 86062 10011
78492 98518 81296 06206 99730 06705 35624 61927 84200 12419
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10177/8076/6974 kHz, 16-04, 1015/1025/1035 UTC

27438 12476 89094 69595 85441 87853 23152 77589 73228 62244
54336 39325 59303 21319 01696 78527 79758 07811 65297 02548
81377 80812 41461 72250 39845 50560 15424 59113 13989 93391
54891 06718 21994 76574 52903 38830 50525 47671 93450 81237
32705 68158 38285 89556 55863 95963 58363 00177 85026 46614
58344 46536 13051 87688 67608 07924 73362 46259 96199 82979
76233 34008 79161 05099 54524 19706 57680 41906 29840 03738
70486 13071 00000 00000 00000 00000 00000 00000 00000 00000

54103 01582 25826 70795 86776 09268 94366 06535 43037 40416
09376 28215 36078 86149 27327 97480 45488 76273 31115 74092
71503 94047 23601 77413 11121 01379 70480 94488 67689 27825
65901 01890 27960 04395 19272 93512 70762 46046 86703 31528
90028 12837 95513 62656 45021 04378 35237 66967 73073 67273
13575 31382 25862 20236 00727 65076 15154 26566 10536 98957
78961 68682 91887 36418 04046 04391 28805 47543 65705 09577
72664 23960 70790 37015 54986 36526 14869 45974 54224 63031
89502 14081 00000 +++++ +++++

10177/8076/6974 kHz, 17-04, 1015/1025/1035 UTC

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

81621 64098 99284 23610 84204 91999 30021 14998 37387 77710
50424 40623 05333 25419 73310 98912 26924 38305 33390 32540
36118 64060 33652 54084 58962 23719 08249 54198 23208 03472
00319 84488 41457 14159 78192 32292 53785 48120 38417 29529
40770 88105 69025 62832 42871 47914 71508 77128 47095 49463
64906 89861 26879 65973 20474 58060 46140 85951 00344 65408
63419 77659 98633 21538 97057 58762 08434 90704 37355 00841
63110 92050 16624 23450 25358 38640 73105 57422 22451 07445
69665 82087 51119 57480 53204 66116 00492 38267 65743 66657
66540 55821 43097 66466 56473 88343 62082 53708 06500 68806
22204 74122 61412 76621 72747 10245 89428 05582 21219 67359
30716 00251 84074 70882 03052 78008 65666 04856 13048 78921
76353 46244 46377 10629 25707 74716 35448 80449 51753 62607
27944 31869 72188 74740 04699 27616 68504 32803 20308 46506
38956 23954 64942 86246 81327 58366 70787 89376 91402 05375
11548 34552 88113 62931 68456 60337 01275 40041 61227 13713
82854 56882 67384 40476 27726 92283 78405 59718 14820 33252
66128 89576 04627 06247 57834 16445 53989 94867 43476 24822
34112 73666 63461 30000 62731 12752 50441 80762 86389 32889
23547 24303 73733 15770 58499 50523 05797 99149 82032 57925
74181 11530 64083 08266 23100 26090 06156 62171 96188 38529
49328 12898 74053 98535 50318 60419 13475 49551 99057 93036
24204 56519 76202 68701 44301 26319 74030 13219 99941 50552
29142 77548 60640 25390 40432 21361 25809 28149 70735 15065
03616 55304 55615 77468 68053 51602 67711 91275 05177 84986
10093 63602 84432 47003 37053 23703 16027 83388 25782 75084
80267 84515 47359 44209 39808 90393 10493 92960 70750 89903
76461 87076 73525 18962 68673 37712 49497 87297 25297 58349
54230 88528 68400 04215 63351 73224 88019 86414 11949 89653
64621 77953 93440 21879 78368 53842 28861 79919 78649 32478
42482 21642 12289 10468 04733 11081 33901 08118 28333 42865
46794 67730 28592 87459 47892 71942 83799 36882 75086 74255
56661 55598 80477 58971 62692 66289 77922 72697 96535 25155
38345 94634 52123 66469 31232 37816 97615 21052 35758 98487
91072 38360 69982 95822 47780 66875 11544 69164 95180 72482
08300 24958 76324 99522 02342 50596 87812 04212 18531 37332
63134 15103 72088 79469 37359 00300 50367 42009 54116 46082
97767 13936 00789 76652 46705 89343 82878 69683 11396 43574
73457 47349 61768 96566 98662 47537 98267 80600 45159 04919
75970 54620 00518 96576 51448 32331 62433 31862 50836 16247
77736 91186 82514 54891 97118 43422 42869 65320 56529 96603
88547 88176 21157 61616 73663 67437 52958 33565 75373 72066
87648 20500 56275 01747 32112 74201 37058 43880 18156 02696
77841 74043 73543 15433 00000 +++++ +++++ +++++

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

28157 02659 98239 32948 22656 37789 00264 40854 80702 68565
96618 33709 94034 48772 06680 35711 95235 74305 49857 18493
90394 90231 99592 64861 46547 71755 06984 80681 19852 08811
42485 97091 35409 48952 29093 30239 54692 78231 65497 90721
91505 44749 62588 59924 62419 54572 41795 75439 82611 94705
68673 92751 43063 62790 20182 15387 30027 08243 09096 10701
72734 14493 13973 53498 30250 77036 88138 64678 53429 56963
46104 37081 82911 14670 50862 65729 69083 53432 50507 24657
24953 27529 37598 57498 47875 94603 29723 74044 71056 16953
94686 16091 00000

28892 15949 68156 01850 98636 74503 90084 57159 03041 33367
56415 87846 46469 74596 53584 81824 22177 07890 22242 78168
79607 25851 27344 86292 64060 21079 37317 50553 83414 38496
79496 96179 81577 61388 64025 17509 23368 54552 93388 94430

20514 13030 99790 47997 53447 89826 77542 71128 68584 01090
02665 95357 55790 32151 56873 79543 35698 92897 98160 31495
11587 95881 45139 98442 65489 55641 67340 87300 03233 32633
98662 00640 78087 70238 16149 99336 47720 17077 00000 +++++

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

98431 41605 04185 85437 32427 90737 22874 30236 44327 45559
52387 48867 63038 17957 63948 31419 83793 83092 03373 31936
76690 65851 42032 17021 98457 43398 08395 17273 18369 18533
73566 48739 94269 43537 89269 96573 59627 99200 01708 78096
07560 58702 89741 27430 82769 91048 00819 68903 17336 83748
83102 71421 71275 89410 37214 00967 63844 25961 36059 13448
06484 85155 86146 55052 73374 29084 28851 62318 70519 79343
05056 79094 89307 28589 31613 32583 55476 29117 63055 35657
09430 38203 36999 07624 78842 24853 26679 30647 29480 67677
49045 83986 05185 98559 01870 23271 92958 71815 28287 96966
74075 63528 32222 17250 47178 30744 93126 27451 34271 85224
53477 33279 05573 64133 77454 89995 84145 83446 04263 62736
16251 60479 44509 02167 18367 65715 93085 02649 36799 78118
56999 35126 80829 91926 21573 71896 15337 23504 03470 45467
23830 70248 63966 08680 77822 01232 80920 88297 73500 84271
02864 49227 21606 79110 33668 11581 01487 51404 21209 87754
15237 87187 48471 31716 02879 12525 50538 17681 04515 48020
05892 90379 80389 52876 75468 54086 24799 38199 87911 92607
34785 54218 94441 37420 19556 81126 41805 26132 61562 78222
36716 18469 65172 71032 00251 61967 53883 81121 35610 24562
02005 28253 57703 36249 11752 59611 57990 07032 71684 85752
03006 13313 57440 27993 90019 69930 60674 06897 08261 30037
57176 26577 79145 79984 50071 34476 73945 21426 49066 61328
32341 57808 71661 70980 30280 27447 77277 74766 70601 50368
70226 90119 94843 81113 32470 48112 39683 84685 72097 79601
86442 77824 98471 34688 77097 02806 59958 15152 95227 25948
05210 24567 35349 78006 53901 65787 09059 78658 87893 40468
61435 12255 98732 30341 96127 47023 52446 49049 03258 14925
57525 05236 43819 94335 47155 98589 48236 62752 11425 83506
53830 11703 40663 50075 78313 41050 65706 85073 93539 74882
06088 56655 67685 66167 62072 18269 03623 82368 11479 36514
96922 89200 97216 72604 61919 74724 16496 72126 99286 80953
47622 42799 03550 35172 75335 24900 33975 98149 00617 84053
97283 71428 45909 81079 15610 30892 91680 98569 78156 78786
05278 28894 99980 31378 47998 53326 36338 84456 71326 66954
26039 23852 38264 29102 62245 73151 30698 43902 14139 95823
28739 00751 47916 93917 72971 29305 20528 70528 45551 48720
44620 48228 31089 15812 48091 60633 43253 01833 76730 59312
28040 52546 13344 03203 79628 11299 11839 22746 29787 09755
69671 75908 96740 56002 87122 38287 04450 74708 86822 94487
08243 79013 91964 22956 87729 78847 86652 91457 92932 55367
06815 05382 54592 56183 35115 18415 00000 +++++ +++++ +++++

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

Not monitored

10177/8076/6974 kHz, 24-04, 1015/1025/1035 UTC

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

68913 72560 99388 26995 09917 61778 96455 17129 34094 97782
89851 39928 72020 31175 96223 71869 47258 60703 88975 53283
03038 85404 52728 29414 51300 68567 96861 86887 98784 86940
95330 21530 29866 63638 44935 98464 50808 08175 59233 90441
25132 12061 40289 05316 54789 73410 95440 38633 86821 48980
91268 12246 50190 57101 61970 84902 52482 79909 14304 45747
91151 38347 96313 26668 59010 38345 22000 94427 48639 11637

69147 08522 85418 99637 92470 55691 43849 53834 19293 97035
26868 51104 19923 88663 12847 47427 69929 61812 99934 18400
46497 73377 02474 60017 26053 62795 79134 48132 75349 76200
97490 80059 53188 43819 64699 46730 64987 21511 78980 08861
37350 32417 81596 75558 04860 69634 13992 08813 26253 45874
09807 02290 72188 01018 76439 07894 51773 03532 45843 08516
70056 06661 99254 60405 33659 45344 95528 53620 46743 84795
57781 63965 64492 56680 98014 94890 96309 43819 84424 32750
75899 99380 81060 63890 40437 11468 14551 26987 86010 49061
47552 99072 91510 50249 63634 38697 28174 38670 93275 34650
96953 79126 35657 33688 60912 08288 55945 45707 64818 01439
62755 49792 59139 61186 95471 49576 70617 39089 76121 51364
86614 26130 05488 63443 45412 72970 08148 40020 49659 25935
56122 18226 45148 89645 25829 21628 32115 52268 68021 28682
01242 34278 95408 29557 11556 46708 17627 19784 52412 69808
78277 04159 56746 88044 73691 09330 57774 42390 58124 28521
06356 85835 65061 46816 91168 53062 99329 20451 28919 80210
79691 08548 16750 35684 36619 80722 64045 47928 94925 49014
45821 41114 95958 97565 44879 14677 39017 08499 74923 27636
46705 07412 01816 73633 83898 76950 05168 57643 85003 11882
47454 10266 69213 14101 42824 00568 48435 51031 42816 33386
57582 25828 81152 42054 61916 32842 44802 12459 21129 96776
63496 99398 14847 18965 34903 21154 59254 79224 27613 43222
69510 66708 29163 87149 47660 38200 31259 25399 00719 27287
69389 48189 18620 52850 59030 13244 66713 00308 95611 14388
72505 74053 10446 29933 11315 44515 99795 36781 20558 38292
69281 01191 97318 44783 60802 82137 58914 37768 54161 08215
71141 35357 60598 14004 73876 46767 50388 46856 58728 79345
81721 80019 78436 04282 23033 93053 92689 04462 85983 05466
80054 52872 11267 74507 70710 95019 74438 93068 79674 33787
03952 48610 45191 40170 28590 29060 02002 38330 96475 86630
44148 38399 32854 95476 57027 15478 28834 64139 23364 58264
78267 88717 32799 35745 04971 57690 49783 55392 47452 44347
19448 11304 93361 47746 16165 45718 80821 68150 64457 72349
08851 21411 00000 +++++

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

76210 41142 61538 02776 33103 69725 24169 10100 18607 31794
57943 49547 35814 53140 18460 07294 31502 22114 94807 40468
24786 76651 63459 40403 92124 73044 50868 39341 69607 41133
28188 77786 58468 55617 86557 74692 44755 78156 66393 67664
69101 49976 39121 15366 07527 39633 64785 79332 49219 75652
73982 27352 82217 18716 47533 25626 22950 53085 92364 11879
50550 01950 37004 66624 31905 96396 95153 24746 48354 52667
70757 94615 59990 37417 03018 76907 68497 25637 74785 00310
64457 22081 00000

81213 53043 15285 91792 74959 89669 61244 52413 15669 98727
21480 65318 23913 83825 92816 83565 84578 42418 02643 19653
12974 90093 99087 40175 46820 14251 88170 95322 12547 99366
28865 37954 39355 91023 22012 11887 19460 90900 54008 14130
37969 99906 81230 60715 20828 51645 66109 10844 74264 03403
00806 29008 14177 76836 79422 89798 08903 65562 04688 55070
83801 51824 40045 78156 61095 99435 43101 14833 33391 15167
41346 45689 94347 95792 36103 39632 74891 02960 45643 13175
58450 33080 23384 65227 73622 74426 12139 92048 87723 68630
20325 12076 49649 18752 31094 55296 55502 11128 80300 96857
35395 43170 64260 39609 84889 74314 63234 75249 89508 42297
91561 23111 00000 +++++

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

77099 48900 64459 25612 01240 94234 73447 57565 97967 16806
29288 48781 89902 52102 82222 96213 83342 24568 04575 06556

77389 58380 00149 42101 01134 01104 42223 34223 23553 34646
65507 57760 35918 64901 02190 19100 10221 54232 56433 54665
94557 14777 27981 57222 29991 33121 52232 63642 93124 06536
04587 68664 37878 76799 40984 99012 79232 91433 22929 45657
75646 57666 86799 36888 68009 27900 19012 60332 51439 54346
44474 17627 16777 48888 77818 08020 00130 71122 03336 32345
04574 83366 46666 08608 47188 38801 08000 10022 80232 82223
82434 93633 76863 96677 18488 18898 79980 73901 61121 92222
84359 15344 03875 65587 86578 48989 91892 09150 21141 12942
32234 13335 94455 86565 05597 07778 90929 48619 71030 71113
61222 02322 44341 14575 65566 05777 10889 57989 92111 30023
19232 52232 82326 56446 74556 68668 98797 28899 79899 09902
80112 02321 92342 35854 15454 54458 35867 65750 95272 07980
42012 11224 51232 72234 84664 57346 16565 37577 87887 78889
78902 79102 02122 42115 24333 36653 76555 26668 16686 96984
80679 71010 12051 51211 13524 52443 23336 14654 25765 34847
38787 78999 69201 48213 54533 42316 63445 85355 95549 45836
05057 17898 38981 70211 52121 02223 73633 57426 65855 36856
86787 78098 77011 10330 21022 41133 15232 73444 74255 77768
27868 15778 08690 78270 00112 50814 71322 32435 32746 45356
95666 09778 59879 78881 39008 08011 10212 35235 92334 71445
85558 26766 87788 46980 40191 02120 51021 11222 82342 54445
33545 34636 96789 59868 87129 09069 00811 21230 41521 72423
66532 74553 95446 96777 28879 49009 79012 60311 90291 13323
04336 42547 56448 96537 79767 28718 98929 08091 20801 30021
05023 72546 74675 87766 17778 27807 71771 48911 99038 42320
60325 13477 43236 35739 06365 86997 29879 09880 09914 21902
14121 12311 53333 23334 83645 56557 25869 48878 29898 81000
04910 82012 10123 24415 53644 05555 78766 16860 90390 39090
38103 53241 94362 75333 54045 33554 17656 74867 61799 17932
89119 90280 03913 12235 22253 34444 74458 85526 07686 16877
98509 09992 52096 21332 42333 34234 77545 84477 27567 47777
98588 68759 72901 99011 81731 42333 64332 22867 25577 76660
20778 08899 38918 46101 83231 62367 31554 03745 83555 36479
56487 77798 67897 79501 89121 20123 22424 54344 13464 08676
16066 90868 17879 38980 90900 90129 29543 34333 62649 44356
25976 47778 97867 69989 79909 82346 51202 32233 54264 87075
93566 14085 06777 27180 49030 50318 80211 62253 12234 35674
24686 48956 77567 97780 08483 09139 09011 13412 33232 32324
04523 54355 76466 46787 27780 38199 40991 08301 41122 42443
13614 63469 35567 79867 39814 24425 00000 +++++ +++++

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

23427 03402 32211 70453 05340 86541 93429 92351 34759 37875
94232 31779 82697 00234 62613 72924 66169 14032 52375 18467
41907 54613 73615 60764 56044 49386 22139 47662 66927 60678
37483 91377 83277 45248 44247 93885 84859 26405 56405 87239
17860 39650 49299 12281 82164 37804 28990 84159 52711 66531
53666 18106 02119 46224 86785 13902 16769 21164 86642 22473
23530 61908 62054 43051 69322 31836 48840 24342 20693 53793
86795 68130 75602 37775 01839 58765 04604 55572 23020 66965
63610 25081 00000

18329 97069 44598 18968 37468 03287 24287 40411 59592 87954
15427 22912 45056 74897 22367 89356 89025 18622 86078 61767
62432 52875 45676 62643 87414 11557 61748 25377 58154 76688
74948 80941 43071 33120 98272 13040 29300 34662 66464 98888
95387 11328 90995 77845 23152 72381 94037 15047 84640 84869
19886 52258 65121 32333 47259 63116 08047 83380 50908 54956
92929 24810 85990 84399 82066 38973 93631 78914 97041 30059
51107 81504 10961 29000 15105 60742 67339 31673 31484 53312
61593 50087 09972 31269 46057 81249 87247 11185 44485 23399
26836 26091 00000 +++++ +++++ +++++

F02 – Russian domestic net

14983 kHz, 07-04, 0752 UTC. Test
14983 kHz, 07-04, 0800 UTC
14983 kHz, 14-04, 0746 UTC. Test
14983 kHz, 14-04, 0800 UTC
13883 kHz, 14-04, 0810 UTC
16251 kHz, 14-04, 1005 UTC
16251 kHz, 14-04, 1012 UTC
16251 kHz, 14-04, 1021 UTC
15662 kHz, 14-04, 1625 UTC
15662 kHz, 14-04, 1637 UTC
14983 kHz, 21-04, 0800 UTC
13883 kHz, 21-04, 0810 UTC
12142 kHz, 21-04, 0828 UTC
16237 kHz, 21-04, 1428 UTC
16237 kHz, 21-04, 1436 UTC
14983 kHz, 28-04, 0800 UTC
13883 kHz, 28-04, 0810 UTC

F06

Link 00000

11567/9425/5913 kHz, 04-04, 1700/1710/1720 UTC
13921/11611/9426 kHz, 05-04, 0830/0840/0850 UTC

11100 00000 14625 03043 02239
75089 58846 35771 73316 61805 13862 76125 91997 92412 16072
48975 44834 97478 35581 66147 72475 62853 89604 28535 28490
76856 97148 93258 83893 96697 29885 21774 36475 38829 82651
26136 10836 22910 12020 55584 60090 24070 16367 90659 05174
13163 55893 37015 72671 89693 36008 36132 17129 37109 02542
35110 38772 55146 22211 82734 32570 48905 46767 43993 29592
79360 84283 50242 16574 04982 26003 27202 44658 69150 02191
67977 63224 13072 65433 43275 39755 18859 24804 66028 51673
12481 79359 52590 61099 81260 24384 47708 08440 85611 28820
05447 85775 69704 07335 43262 75966 00738 35452 11403 68414
91517 81184 44833 87427 86023 51612 89862 94118 12650 77834
22671 47777 34806 86744 01911 37647 53575 33051 22590 21060
42108 89996 63398 28844 16439 22204 44687 23963 72419 89084
39279 24314 43453 52261 03297 25620 58715 85414 19197 85359
06551 10032 68204 53669 32734 05447 74319 62154 28281 66656
87105 06552 86497 08312 95423 84173 33956 38350 89318 72073
65084 49683 12235 56877 35053 03397 70747 52206 90655 01888
94009 64638 43861 75384 60087 94141 17728 30277 31375 79919
19378 32707 66289 27598 19694 25844 99409 78706 44461 04299
07272 08373 06601 94089 01985 62185 34225 11630 19878 68149
74166 00139 97345 84676 75689 66948 51091 70550 84062 70111
04952 87806 98679 27773 30492 73444 75427 48733 93558 40945
77970 43221 00000

11567/9425/5913 kHz, 11-04, 1700/1710/1720 UTC
13921/11611/9426 kHz, 12-04, 0830/0840/0850 UTC

11100 00000 26481 10045 02479
56919 88691 52293 76111 52252 52536 80084 94759 38529 56976
59500 88906 00090 01100 82132 32306 73349 36265 64886 45667
37678 77788 97090 49011 52111 51332 34562 83434 04555 15567
15766 68778 78899 00859 08500 57113 13923 72144 75464 75565
14657 36868 36987 08999 77009 00019 91132 12323 83143 93634
84457 86676 68868 69187 58910 80019 20402 13263 22223 84334
74444 64666 55757 07240 37784 74991 32009 11052 84222 82234

13544 55558 85678 96777 68990 28451 59900 50101 81222 21323
13434 24656 24555 96650 76190 68780 28999 62000 40941 50201
92222 02432 23487 24555 07576 66677 37879 69909 60210 30206
83113 64334 94457 54556 35558 06686 07870 18782 93860 39034
40222 81424 93344 33547 75755 77667 67888 77993 17089 69021
45011 41442 84333 03344 16545 04676 14799 75799 67999 10190
19010 30103 31102 82533 84346 04354 35555 55677 57671 39893
78091 39001 11102 93221 52353 92454 04555 45787 36779 37898
91880 30029 39303 72222 12423 53138 76465 46855 77586 86477
58819 77200 05102 92115 13382 32245 42434 74555 05867 56768
28887 88799 78919 69064 81213 41325 61355 53344 56487 48965
46518 47697 58888 58911 50911 81112 32263 32534 02658 65875
56278 87671 38888 28912 42903 60322 02513 12221 03335 35555
76603 86597 19898 78980 49909 40111 22212 92492 12343 13444
94648 86668 66677 10889 99909 49009 50131 60421 81243 23344
04555 35579 65697 07778 97889 98303 87010 62723 52122 32426
93354 14775 58557 76666 59788 07888 10099 49001 91212 71324
23744 74446 75376 33366 17988 45245 00000

11567/9425/5913 kHz, 18-04, 1700/1710/1720 UTC
13921/11611/9426 kHz, 19-04, 0830/0840/0850 UTC

11100 00000 96745 17046 01959
77399 06536 64054 84693 47388 54670 66684 62618 35785 65015
32772 27644 47814 29481 25838 92273 95477 30523 45345 64730
49459 44384 61650 17482 50494 41702 37779 89847 91146 40163
11449 91871 03942 88892 35784 01660 16780 89276 02165 73351
61570 81894 93638 97933 47030 54250 42331 84068 31577 48996
89310 51126 57259 77329 70318 51620 30660 67249 75823 65215
61704 01374 58829 31515 96324 23986 88870 13793 03904 22010
75642 10885 05440 09600 10688 59396 53379 71027 00602 93443
99038 41563 90164 54094 08566 31027 98860 65701 13375 19705
19215 21326 05989 81319 50374 44421 17231 12731 65393 18982
35698 75074 35639 05333 55465 75999 60764 83747 62941 47720
77688 93093 98825 00544 47015 56679 56100 56587 40333 12498
99995 93344 76827 90049 20865 51814 82653 00940 55905 88856
71491 35427 40668 78487 69741 82123 76284 91776 34774 13016
23361 10049 39693 01022 58465 51073 23036 62238 54147 12935
26852 40092 68438 65256 71600 73573 54756 42484 41299 16733
28157 18902 77367 01642 48879 70078 04597 61995 09096 50423
37684 59543 33845 41545 41779 80547 32047 51098 45459 94439
58553 66805 29596 91880 73182 95339 40531 44393 07650 40769
01007 52773 76357 46193 00000

11567/9425/5913 kHz, 25-04, 1700/1710/1720 UTC
13921/11611/9426 kHz, 26-04, 0830/0840/0850 UTC

11100 00000 05693 24047 01539
13042 37018 97197 00999 66471 10971 68088 96521 26681 11221
96507 30225 32049 16357 83870 26545 66545 30184 44013 03662
41072 82188 74233 72447 06933 88631 29547 51520 49872 16489
11116 53104 38112 17402 04762 19375 22841 23842 30526 13982
14568 24660 89189 98435 83803 62230 16719 48040 59491 18354
82543 87070 23629 81123 92629 47875 25523 09933 83271 83583
64103 40815 16548 89126 11747 99303 13366 10233 78042 13001
85053 45115 36929 41039 49413 68506 65661 62624 42192 32753
69012 91846 59899 25646 87189 10957 94906 89679 10858 39272
48769 32419 51743 79933 34715 82670 42236 11664 05224 72144
62434 17744 65643 47282 18071 69382 59780 40963 17747 05662
38402 58747 22931 77263 46577 59364 69144 46137 90817 34127
81772 58327 71924 14956 34946 32124 94510 65709 26929 28739
89111 36492 70439 97677 07830 85655 21358 14021 79461 99141
94246 49778 35024 61899 38128 46514 39635 61016 70945 81428
91678 47151 00000

9437/7691/5783 kHz, 06-04/07-04, 0800/0810/0820 UTC

11100 00000 32519 03038 01179
93376 58694 90388 39953 95984 06006 74365 77309 71987 41401
74644 27144 23018 04176 18340 53218 83874 23279 99977 52073
31767 32300 00173 65132 40587 09547 29783 18246 72375 04168
04248 12116 23192 34237 77782 12035 65568 67756 92127 10379
54726 22502 19540 60296 90749 45657 04701 04017 53913 59168
35245 44238 55328 81758 95583 32005 70121 63541 83726 69538
45309 94170 95765 51440 99576 70459 07734 92711 57129 34411
09509 17032 82822 17600 70455 03724 10741 52831 41497 16848
83429 39032 23294 64864 43950 70294 55232 64300 47961 65022
04890 05857 88001 56109 62687 46393 47177 28092 71394 75232
24414 12209 45198 28214 98500 75315 57994 47944 23068 63575
05618 13672 69727 86880 71681 38115 00000

9437/7691/5783 kHz, 13-04/14-04, 0800/0810/0820 UTC

88725 73299 05267 86300 00975 64603 72510 78375 51890 28012
14487 16738 05124 96514 44751 87192 54918 42376 04879 73865
78127 05990 52475 17984 21880 02951 40296 32226 69073 20290
41167 44076 48897 37806 98393 66614 84547 35433 06344 20197
95353 72577 50898 53441 95471 50371 64449 36971 56358 92767
75135 28353 25194 07424 55006 31658 16456 12306 96798 00097
18819 38954 74012 55147 84583 48347 63977 20639 93798 20300
38591 95199 10289 02334 52427 11533 71762 28956 82887 55939
81183 47293 02095 46535 91609 09999 85216 93595 01662 21396
84891 90471 03842 47770 26466 08498 52854 27762 03715 94357
46147 43803 79738 93312 33842 40512 22723 46761 00242 01008
31254 37541 84118 17073 28862 81426 29950 14095 32499 88256
87301 16735 24631 39123 00000

9437/7691/5783 kHz, 20-04/21-04, 0800/0810/0820 UTC

11100 00000 52147 17040 01079
29892 36080 46980 49232 64140 06249 26335 58006 15179 33114
98232 01353 31181 09380 60347 13419 86766 02555 97268 27385
73987 78628 42632 04854 43015 74281 83917 78615 09733 03570
39619 57233 72401 10017 63465 64881 04596 00056 55367 14871
16606 18755 83808 40312 02470 53766 49334 30336 14851 78438
43851 45324 34926 70017 85405 09576 29485 63894 33151 04861
12423 29815 12165 13279 52817 81009 02824 82884 96768 52159
74415 14494 95206 07160 67681 93121 54831 62599 55959 12495
54395 37895 39642 66051 93498 68037 53615 02901 66095 39859
92371 72147 75891 37785 82493 04043 35825 09982 57181 01377
18822 90866 12522 39578 51995 40105 00000

9437/7691/5783 kHz, 27-04/28-04, 0800/0810/0820 UTC

11100 00000 78194 27041 01539
42253 72577 01019 17671 49943 65261 81215 30572 14181 85809
84169 63507 55131 99183 30372 72323 93994 96216 73179 94775
49406 94387 96440 07410 65586 97284 05580 49719 76903 36205
29323 01541 38562 42314 74256 24593 78080 22815 99406 04125
47265 39548 03029 51595 79359 13487 38783 54322 81051 03532
03497 83048 14034 33073 63701 93348 45808 62733 13117 81827
74406 32749 78287 83033 56732 23411 14544 18041 95198 07009
59496 30622 62353 89726 36215 71958 68188 66903 23329 19828
99802 40120 34185 43193 88118 69536 72292 48144 81341 59918
55213 66127 29839 03802 24108 70391 12134 30209 81100 31597
56704 32383 21675 48526 39265 72953 54272 14820 60228 89988
24281 07696 32024 52356 84616 09572 30976 37846 80061 98539
93415 32480 37570 68621 60716 74448 79711 65748 02947 91116
03453 50406 75819 02539 91449 22866 90636 89900 48056 71963
01902 52358 77222 33343 42301 00677 44475 68111 59731 61137
90170 41151 00000

11567/9425/5913 kHz, 04-04, 1700/1710/1720 UTC

13921/11611/9426 kHz, 05-04, 0830/0840/0850 UTC

11100 00000 14625 03043 02239
75089 58846 35771 73316 61805 13862 76125 91997 92412 16072
48975 44834 97478 35581 66147 72475 62853 89604 28535 28490
76856 97148 93258 83893 96697 29885 21774 36475 38829 82651
26136 10836 22910 12020 55584 60090 24070 16367 90659 05174
13163 55893 37015 72671 89693 36008 36132 17129 37109 02542
35110 38772 55146 22211 82734 32570 48905 46767 43993 29592
79360 84283 50242 16574 04982 26003 27202 44658 69150 02191
67977 63224 13072 65433 43275 39755 18859 24804 66028 51673
12481 79359 52590 61099 81260 24384 47708 08440 85611 28820
05447 85775 69704 07335 43262 75966 00738 35452 11403 68414
91517 81184 44833 87427 86023 51612 89862 94118 12650 77834
22671 47777 34806 86744 01911 37647 53575 33051 22590 21060
42108 89996 63398 28844 16439 22204 44687 23963 72419 89084
39279 24314 43453 52261 03297 25620 58715 85414 19197 85359
06551 10032 68204 53669 32734 05447 74319 62154 28281 66656
87105 06552 86497 08312 95423 84173 33956 38350 89318 72073
65084 49683 12235 56877 35053 03397 70747 52206 90655 01888
94009 64638 43861 75384 60087 94141 17728 30277 31375 79919
19378 32707 66289 27598 19694 25844 99409 78706 44461 04299
07272 08373 06601 94089 01985 62185 34225 11630 19878 68149
74166 00139 97345 84676 75689 66948 51091 70550 84062 70111
04952 87806 98679 27773 30492 73444 75427 48733 93558 40945
77970 43221 00000

Thursday, extra schedule, same frequency cycle as Sunday mornings, message #44:

13921/11611/9426 kHz, 05-04, 1000/1010/1020 UTC

11100 00000 34985 09044 01579
45862 51175 15087 34967 28970 61969 16699 38169 05359 69137
95374 29212 66374 90625 21869 42020 57398 07122 43549 08039
83674 59954 17619 41087 28343 10021 49511 48099 99874 43688
66154 14173 51079 36604 78778 35378 36890 11362 14967 97753
03103 49940 24632 25934 23259 46875 89603 49844 25859 14084
91517 62894 79100 73293 17695 70117 25321 96999 09694 49691
82331 83901 84225 76268 53835 79744 81126 79562 16121 79511
18058 36633 73200 71899 56642 21286 97604 12016 09706 59055
99003 33244 44324 61175 87847 34191 60358 36005 26212 01690
49161 01324 83048 55754 62153 45945 36003 27460 43946 14091
87009 05666 09702 10947 83849 13518 71423 52852 64840 00685
42856 10558 68864 62245 77688 18984 77919 20177 20742 51921
84374 28378 76837 85110 00112 87163 27025 96140 49766 78175
46863 74595 15220 55630 06437 40898 23566 54861 56804 97280
95704 04080 32549 59321 97779 50296 25143 41483 62636 35339
06793 95099 73476 82909 09458 44155 00000

11567 kHz, 11-04, 1700 UTC

13921 kHz, 12-04, 0830 UTC

11100 00000 26481 10045 02479
56919 88691 52293 76111 52252 52536 80084 94759 38529 56976
59500 88906 00090 01100 82132 32306 73349 36265 64886 45667
37678 77788 97090 49011 52111 51332 34562 83434 04555 15567
15766 68778 78899 00859 08500 57113 13923 72144 75464 75565
14657 36868 36987 08999 77009 00019 91132 12323 83143 93634
84457 86676 68868 69187 58910 80019 20402 13263 22223 84334
74444 64666 55757 07240 37784 74991 32009 11052 84222 82234
13544 55558 85678 96777 68990 28451 59900 50101 81222 21323
13434 24656 24555 96650 76190 68780 28999 62000 40941 50201
92222 02432 23487 24555 07576 66677 37879 69909 60210 30206
83113 64334 94457 54556 35558 06686 07870 18782 93860 39034

40222 81424 93344 33547 75755 77667 67888 77993 17089 69021
45011 41442 84333 03344 16545 04676 14799 75799 67999 10190
19010 30103 31102 82533 84346 04354 35555 55677 57671 39893
78091 39001 11102 93221 52353 92454 04555 45787 36779 37898
91880 30029 39303 72222 12423 53138 76465 46855 77586 86477
58819 77200 05102 92115 13382 32245 42434 74555 05867 56768
28887 88799 78919 69064 81213 41325 61355 53344 56487 48965
46518 47697 58888 58911 50911 81112 32263 32534 02658 65875
56278 87671 38888 28912 42903 60322 02513 12221 03335 35555
76603 86597 19898 78980 49909 40111 22212 92492 12343 13444
94648 86668 66677 10889 99909 49009 50131 60421 81243 23344
04555 35579 65697 07778 97889 98303 87010 62723 52122 32426
93354 14775 58557 76666 59788 07888 10099 49001 91212 71324
23744 74446 75376 33366 17988 45245 00000

By the way is it me, or do the groups in this message look rather non-random??

11567 kHz, 18-04, 1700 UTC

13921 kHz, 19-04, 0830 UTC

11100 00000 96745 17046 01959
77399 06536 64054 84693 47388 54670 66684 62618 35785 65015
32772 27644 47814 29481 25838 92273 95477 30523 45345 64730
49459 44384 61650 17482 50494 41702 37779 89847 91146 40163
11449 91871 03942 88892 35784 01660 16780 89276 02165 73351
61570 81894 93638 97933 47030 54250 42331 84068 31577 48996
89310 51126 57259 77329 70318 51620 30660 67249 75823 65215
61704 01374 58829 31515 96324 23986 88870 13793 03904 22010
75642 10885 05440 09600 10688 59396 53379 71027 00602 93443
99038 41563 90164 54094 08566 31027 98860 65701 13375 19705
19215 21326 05989 81319 50374 44421 17231 12731 65393 18982
35698 75074 35639 05333 55465 75999 60764 83747 62941 47720
77688 93093 98825 00544 47015 56679 56100 56587 40333 12498
99995 93344 76827 90049 20865 51814 82653 00940 55905 88856
71491 35427 40668 78487 69741 82123 76284 91776 34774 13016
23361 10049 39693 01022 58465 51073 23036 62238 54147 12935
26852 40092 68438 65256 71600 73573 54756 42484 41299 16733
28157 18902 77367 01642 48879 70078 04597 61995 09096 50423
37684 59543 33845 41545 41779 80547 32047 51098 45459 94439
58553 66805 29596 91880 73182 95339 40531 44393 07650 40769
01007 52773 76357 46193 00000

11567 kHz, 25-04, 1700 UTC

13921 kHz, 26-04, 0830 UTC

11100 00000 05693 24047 01539
13042 37018 97197 00999 66471 10971 68088 96521 26681 11221
96507 30225 32049 16357 83870 26545 66545 30184 44013 03662
41072 82188 74233 72447 06933 88631 29547 51520 49872 16489
11116 53104 38112 17402 04762 19375 22841 23842 30526 13982
14568 24660 89189 98435 83803 62230 16719 48040 59491 18354
82543 87070 23629 81123 92629 47875 25523 09933 83271 83583
64103 40815 16548 89126 11747 99303 13366 10233 78042 13001
85053 45115 36929 41039 49413 68506 65661 62624 42192 32753
69012 91846 59899 25646 87189 10957 94906 89679 10858 39272
48769 32419 51743 79933 34715 82670 42236 11664 05224 72144
62434 17744 65643 47282 18071 69382 59780 40963 17747 05662
38402 58747 22931 77263 46577 59364 69144 46137 90817 34127
81772 58327 71924 14956 34946 32124 94510 65709 26929 28739
89111 36492 70439 97677 07830 85655 21358 14021 79461 99141
94246 49778 35024 61899 38128 46514 39635 61016 70945 81428
91678 47151 00000

Link 09993

9300 kHz, 16-04, 1501 UTC 11100 09993 12345 16001 00049 00000 00000 00000 00000, TX cut off after ~5m10s

9300 kHz, 17-04, 0637 UTC TX cut off after ~3m15s
9300 kHz, 17-04, 0643 UTC TX cut off after ~2m10s
9300 kHz, 17-04, 0650 UTC TX cut off after ~2m10s
9300 kHz, 17-04, 0702 UTC TX cut off after ~40s

11100 09993 12345 17001 00069
12378 10923 76251 10923 12345 00000

9300 kHz, 28-04, 0640 UTC Filename unknown, 5FG text file, ~6m transmission The signal was very weak, and it looked like it may have been just one transmission in the middle of a 10-minute cycle, but I found nothing else. (PY)

Link 10053

22877/20947/15893 kHz, 05-04, 1530/1540/1550 UTC
Null messages (too weak to copy)

20971/15915/14386 kHz, 07-04, 1650/1700/1710 UTC
11166 10053 13579 07001 00049 00000 00000 00000 00000

22877/20947/15893 kHz, 12-04, 1530/1540/1550 UTC
11166 10053 35874 12082 00049 00000 00000 00000 00000

20971/15915/14386 kHz, 14-04, 1650/1700/1710 UTC
11166 10053 34685 14001 00049 00000 00000 00000 00000

22877/20947/15893 kHz, 19-04, 1530/1540/1550 UTC
11166 10053 15792 19001 00049 00000 00000 00000 00000

20971/15915/14386 kHz, 21-04, 1650/1700/1710 UTC
11166 10053 31587 21001 00049 00000 00000 00000 00000

22877/20947/15893 kHz, 26-04, 1530/1540/1550 UTC
11166 10053 72194 26001 00049 00000 00000 00000 00000

20971/15915/14386 kHz, 28-04, 1650/1700/1710 UTC
11166 10053 19647 28082 00049 00000 00000 00000 00000

Link 60070

????/12165/13529 kHz, 03-04, 0500/0510/0520 UTC
12219/13471/14345 kHz, 17-04/24-04, 0500/0510/0520 UTC
11125/9329/8097 kHz, 14-04/21-04/28-04, 0030/0040/0050 UTC
11166 60070 98756 23078 01519
90061 26866 51892 39620 30783 09687 87380 49932 31312 11608
15382 77983 14328 42889 37880 96936 79972 57651 07343 47498
98175 45440 95376 21109 65252 07387 00422 61597 16814 97558
04592 90457 38944 37083 69453 89629 03360 14806 99536 61452
32712 33292 05936 92050 87564 47190 86571 15023 83975 80908
46938 52620 21986 09972 96674 69752 06355 07503 05189 11111
75549 47427 43008 81613 07028 92990 73510 56386 80117 69760
23496 51159 69043 06819 02009 32432 40602 00818 90391 57364
89402 65045 82832 63203 44783 40084 79694 50870 56671 01433
81744 55879 90163 43059 06626 00225 18182 10516 13015 18923
93398 31175 36965 51355 83075 30297 36083 89228 34073 74547
36879 92367 49379 14891 26434 63045 57624 47047 33441 74366
70704 34981 97620 82237 98120 82614 22430 72583 07260 35321
07567 80341 58647 93789 74617 03561 44411 00847 63893 74830
10360 02420 90151 42908 98163 46320 08095 85859 25999 78149
00000

Link 60102

5452 kHz, 15-04, 1630 UTC File name unknown, 5FG text file. 11100 60102 _____ (tentative header)

At 1m30s, modulation is interrupted, then restarts 50s later, for 1m20s of inverted and undecodable FSK modulation, then that's it for this one. I could not find any other TX, but it was apparently not the first TX of the cycle, maybe the last one. Poor decode. Now here's the kicker: 60102 would be the ID for Orenburg! (PY)

11100 60102 _____ (tentative header)

11054/8189/6852 kHz, 03-04, 0700/0710/0720 UTC
11166 70202 26598 03003 00049 00000 00000 00000 0000

11054/8189/6852 kHz, 06-04, 0700/0715/0730 UTC File 44407 (binary contents)
10388/8084/6780 kHz, 06-04, 1200/1215/1230 UTC File 44407 (binary contents)

11054/8189/6852 kHz, 07-04, 0700/0710/0720 UTC
10388/8084/6780 kHz, 07-04, 1200/1210/1220 UTC
11166 70202 74512 06008 01139
84733 31937 08877 93622 19743 98174 33808 75955 64614 12681
77681 55066 74039 04842 42097 87276 46203 23477 35576 12337
40581 44545 05856 83647 72775 64106 98447 29821 66102 74976
33661 08535 64591 50513 19270 38608 37113 83960 41005 21231
27293 56806 98072 86299 28924 34573 75879 24784 91551 13495
73146 93062 85918 66506 25614 00179 83968 61984 93506 13932
33078 53686 04962 46764 29223 65314 72601 07365 18753 18143
25434 28936 83468 75156 23277 10052 88687 00125 45888 29064
98984 55053 73985 17964 91295 84463 04361 06672 20073 59910
66247 73660 14179 83199 31158 63869 10205 71737 33360 59843
51904 74439 43186 17027 10424 91644 60361 99162 05027 97478
19541 08111 00000

11166 70202 60328 06009 02079
05154 43200 96381 64094 71856 82561 50092 55336 32417 61724
00634 46436 03615 14839 45105 29604 55061 07819 77310 70032
68552 03814 58874 80205 03367 58468 39274 38841 84709 30898
54496 02898 57496 21331 58987 86077 72645 71351 70589 02285
98085 87663 33162 97449 71653 75345 26559 18181 38074 91501
78658 90658 37216 55264 59130 08230 35794 75089 59633 51131
19723 79259 90117 86769 89304 60562 45937 24020 24427 71055
25444 19952 11979 27873 02763 62443 52655 16003 85422 77107
89340 98972 11547 31975 24273 73385 66274 38365 17149 28240
22113 71388 81390 94972 32902 58516 20732 99161 36076 09650
73329 49826 42917 87135 55579 27262 21485 39158 22829 55352
01909 44946 89171 69282 58726 45239 73508 14610 49970 56436
64068 38611 17669 91885 18577 59860 79470 38728 42246 26961
66062 63753 10798 02378 84079 46693 30682 32303 09191 64397
53696 88499 39042 74321 88188 93044 60762 70770 74022 61932
12696 12336 13505 28456 45066 43959 75458 32308 09253 62063
14625 85353 30367 96182 73585 49987 42817 05547 59392 91030
93550 14030 12090 87111 42659 31920 07327 12433 16030 37951
60226 24913 89742 20015 22719 21591 10887 98006 91525 47266
84493 77237 68960 67297 81270 05852 43762 40493 45824 34681
84130 53042 10054 02983 60156 09205 00000

11054/8189/6852 kHz, 08-04, 0700/0715/0730 UTC File 44410 (binary contents)
10388/8084/6780 kHz, 08-04, 1200/1215/1230 UTC File 44410 (binary contents)

11054/8189/6852 kHz, 09-04, 0700/0710/0720 UTC
10388/8084/6780 kHz, 09-04, 1200/1210/1220 UTC
11166 70202 96521 08011 01639
05184 74256 61000 07786 62928 49144 79818 91650 70483 24857
31966 39728 44749 51405 70003 02400 50490 91939 81340 49980
80672 93203 84245 71547 44327 93587 11852 13702 54115 29711
88836 82706 30789 27482 30458 58451 66738 88566 18654 93661
15800 08204 34868 96803 01532 85307 54309 22118 61125 10790
31320 15217 67151 45047 30546 87690 94330 20537 83598 19148
23503 30402 75887 10146 99997 89055 93316 34423 88581 75679
83536 63897 92179 96575 11430 64851 26553 27297 13524 88744
68115 20503 81017 06095 17093 90472 26105 56865 43190 10220
11299 15785 05973 82143 46411 96059 67143 68144 82913 39888
36894 90156 60343 69240 21535 37030 84441 95323 64575 38690

41727 10177 98452 93525 80176 08834 49088 59936 10707 15487
60472 47976 09148 12096 31443 72032 23392 92875 81871 50479
15400 93094 90423 63237 92762 65634 71089 03189 09507 03736
80675 82364 40811 33376 74436 78870 61353 23713 52041 35459
81944 89030 61057 45707 24157 80628 50145 88727 37630 92087
89140 11161 00000

11166 70202 78563 08012 01839
72786 03960 11402 61383 74674 80755 47666 81780 60240 67377
79349 56010 25203 34985 00015 15730 22062 92145 57840 03559
47590 16050 80465 41070 01516 39696 79623 95698 39840 12204
21499 76270 71216 74472 73742 11827 69834 17348 65079 93441
03247 14509 18464 83713 98574 47237 43699 23615 95527 63274
00463 91402 59678 36947 67692 93258 54432 22752 80245 90358
95117 19581 18785 92056 33654 87779 63831 69866 47213 86230
49901 71932 29326 21633 80687 42678 06874 27189 91214 77317
31384 12862 67899 65913 18092 54411 62459 06679 31187 13378
60609 93203 38686 05223 91478 05292 85381 57788 88689 58098
57288 27284 39033 89261 36025 63982 79677 88704 66590 44799
29854 00801 86943 14969 67950 53592 92837 05978 89948 94747
36357 21961 10157 38939 81566 11744 90153 56342 65742 68711
06899 56929 39597 25701 95940 50251 84951 37100 30658 85402
33281 65339 23473 00840 33580 13967 59977 38755 42986 74496
01906 03692 38583 79203 19891 70081 73844 77072 41945 68390
28140 75080 28602 04579 22742 11988 10651 92535 01778 56844
50413 04196 01560 49391 12488 67020 56732 24542 54908 63526
16669 12181 00000

11054/8189/6852 kHz, 10-04, 0700/0710/0720 UTC

11166 70202 97645 10010 00049 00000 00000 00000 00000

11054/8189/6852 kHz, 13-04, 0700/0715/0730 UTC

File 44413 (binary contents)

10388/8084/6780 kHz, 13-04, 1200/1215/1230 UTC

File 44413 (binary contents)

11054/8189/6852 kHz, 14-04, 0700/0710/0720 UTC

10388/8084/6780 kHz, 14-04, 1200/1210/1220 UTC

11166 70202 42859 13014 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 14213 00000

11166 70202 12378 13015 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 15199
00000

11054/8189/6852 kHz, 15-04, 0700/0715/0730 UTC File 44416 (binary contents)
10388/8084/6780 kHz, 15-04, 1200/1215/1230 UTC File 44416 (binary contents)

11054/8189/6852 kHz, 16-04, 0700/0710/0720 UTC
10388/8084/6780 kHz, 16-04, 1200/1210/1220 UTC

11166 70202 86521 15017 01739
99705 45302 85111 06297 62981 25517 85357 03291 26295 31374
48863 30892 09469 47202 98418 83775 64567 01766 95011 27701
99457 04785 14167 49940 73723 45266 31368 55126 21634 25094
83740 42440 81847 26305 00201 25091 38543 35502 17244 78011
03670 73821 22568 24719 94986 05918 93710 99273 89599 26378
23902 44266 57672 47026 52308 30787 05994 33531 40851 11298
86110 64782 64807 41357 46681 13446 09359 31123 34766 71154
89285 12588 75733 66764 34002 33466 86453 51113 05094 13686
01495 46722 38580 25406 16986 85876 29060 82518 81848 85517
97946 50548 91075 32400 12961 12913 60747 76926 51097 54458
89479 59122 22222 48218 35979 15170 95507 56341 67401 37952
95885 81103 58196 90031 62712 26969 44135 92514 87818 59614
61187 38226 75150 72864 23967 02642 89175 99479 23400 51013
84244 26726 48326 65116 32105 02665 60713 38070 89737 44111
79175 10661 74718 82176 50466 47603 40283 06364 13667 77182
67292 93117 86722 42717 15275 29796 30038 39265 99736 69989
66804 34034 87937 81115 64759 93909 30300 70251 09056 68558
69660 17171 00000

11166 70202 98563 15018 01839
45037 12158 63122 03777 06253 89847 65016 57328 78681 96753
30287 72035 67335 82322 03108 28516 49010 74058 13658 15914
35706 38384 01157 40852 88147 91988 89348 98591 40339 68344
37865 23593 21091 69097 17901 61647 83458 55004 85644 30785
78023 56100 51903 63142 30968 05806 71353 44968 12864 28640
99859 96962 09128 36231 93294 62141 28071 11322 46305 93400
07485 84447 94452 57975 05701 32977 28173 00991 88054 57206
91988 35269 44708 13190 67413 49600 00747 06995 62983 52661
04506 80072 59859 94757 05051 40430 86426 34594 54764 19287
20343 43245 97959 57912 41460 62524 31471 54319 84064 59931
48153 24518 61871 47379 99229 58001 64208 55859 36426 72153
46834 83272 19821 95284 65813 57577 02369 32950 27904 82464
27004 97267 55883 57733 97296 03912 92253 91571 07569 66462
89760 46904 43429 42816 62172 89026 88646 13325 93740 26682
99319 95364 30804 63792 31260 24022 03940 04014 31537 53574
54140 75320 30128 59460 61410 66785 92592 45431 99262 94763
19725 85557 63512 40655 05121 55790 48837 27436 86579 34764

71525 27145 52308 78518 61851 16522 87832 98839 74519 22971
74576 18181 00000

11054/8189/6852 kHz, 17-04, 0700/0710/0720 UTC

11166 70202 93715 17061 00049 00000 00000 00000 00000

11054/8189/6852 kHz, 20-04, 0700/0715/0730 UTC

File 44419 (binary contents)

10388/8084/6780 kHz, 20-04, 1200/1215/1230 UTC

File 44419 (binary contents)

11054/8189/6852 kHz, 21-04, 0700/0710/0720 UTC

10388/8084/6780 kHz, 21-04, 1200/1210/1220 UTC

11166 70202 36251 20020 01639

57831 29746 37889 80371 21157 89741 94831 50576 03064 70758
42791 32002 54557 31229 65905 80175 02484 26343 19970 48368
59644 27417 73081 09553 28387 08568 82703 60506 14832 86592
38855 56465 95925 25017 28089 49797 06526 38241 97962 31106
38685 56717 26689 96214 70331 39103 27647 87473 65529 42320
43437 82813 13515 85470 09189 30992 98682 68527 89778 56472
18717 31753 20675 82368 93063 66776 07074 44888 28909 15271
61025 97722 36875 16164 81242 29815 13607 87318 05262 44944
33438 52631 88666 76559 16333 50466 91037 36314 64278 84389
73337 19720 83325 02113 36405 17374 33461 13604 55251 05182
73498 84293 88842 12036 93177 64318 70060 88356 49655 39733
05527 23960 50582 16638 39973 88676 50947 74148 64856 94161
55877 47158 75896 00335 46585 24810 09226 14885 71647 75645
10842 59280 70801 35337 19048 99717 23450 17966 64568 66456
39061 36762 18028 09960 31647 45265 39482 67296 45518 34826
09686 37236 24491 49397 47786 87464 41735 03542 45132 42372
32464 20161 00000

11166 70202 49168 20021 01939

45065 29554 42567 19193 78694 75971 75681 38235 82976 51223
63626 48788 51890 86604 44880 28275 72727 94423 35264 02161
79623 54426 53789 41944 87273 01090 52902 85120 34500 60242
95304 88059 92378 08428 44557 47723 16599 53468 61621 53178
48755 59654 24560 52822 96243 65997 13566 48277 45468 70991
28508 50875 88026 82313 31187 61683 64581 54906 29483 60997
56082 65866 45589 18252 77055 99604 35509 58269 50612 41681
52017 44800 69899 04776 68262 67286 75654 35228 04197 41781
04565 73577 23036 61969 88112 67542 89914 61219 06598 60885
09946 71614 28024 06588 87856 90885 86534 77781 76395 93199
80086 74874 05697 44728 92051 52298 10787 09941 66429 13329
99428 59556 91363 46408 27478 16095 70641 01408 73954 97962
87872 29269 32998 48013 93036 33466 64918 57509 66066 06714
73505 21449 37186 51376 01797 86154 68665 06995 63498 75110
27687 33392 52227 03934 05021 22772 95778 20466 59183 39268
47601 30886 90767 09362 32662 97798 76645 11627 89897 21238
18717 39222 78435 38511 86891 33576 39767 03833 61008 12701
33073 33680 01357 42573 85870 28807 02508 25021 27193 08860
10124 00546 95462 20522 05454 89530 38270 05140 87188 20258
46229 21191 00000

11054/8189/6852 kHz, 22-04, 0700/0715/0730 UTC

File 44422 (binary contents)

10388/8084/6780 kHz, 22-04, 1200/1215/1230 UTC

File 44422 (binary contents)

11054/8189/6852 kHz, 23-04, 0700/0710/0720 UTC

10388/8084/6780 kHz, 23-04, 1200/1210/1220 UTC

11166 70202 23145 22023 01839

21449 15169 22336 67655 49799 03886 44419 88834 00810 41053
23550 64513 47199 52346 73518 65768 29974 45900 25510 76044
78934 08573 78150 85118 01237 42537 49203 91361 11470 09387
64876 91995 01670 73954 47653 66017 74706 65026 88603 79490
89497 95131 15101 67894 91468 06611 89888 75196 26708 36130

02434 54363 63250 14851 38497 58981 67923 46424 38868 80674
12205 30009 83199 12016 05515 20492 59871 39611 79389 43110
07834 97043 70972 04647 41352 32381 79255 68404 93608 69904
92519 85126 40082 70774 10392 97074 87653 22309 08983 57426
40376 10555 22515 32201 77830 55860 39906 76888 07028 16110
39715 04971 73780 87331 11921 90533 44481 56350 39943 72137
94235 85183 41361 50152 62269 31858 90757 94733 60571 37344
73132 06635 46685 33285 41315 98031 96607 50225 75826 85561
38716 31001 70611 12754 34671 79003 93091 44039 18225 95990
91974 97534 27890 89136 51247 08782 94375 52006 13808 42630
68758 49143 23153 95452 02314 58961 56580 54880 13935 54620
48323 09246 06100 27582 26071 23918 15299 83522 09298 26724
07884 65304 42858 69633 57255 82679 64257 58905 63340 53423
28065 23181 00000

11166 70202 31897 22024 02239
63811 95423 99283 48001 65751 85682 68124 53655 69907 29164
15337 20292 63691 39654 68525 54279 95614 18096 99271 22867
23679 38247 70191 83255 29471 60961 25071 27003 08938 31758
95496 06945 75742 41394 22435 38824 38166 54104 16185 94815
35478 33200 03151 31132 44716 18729 32866 16902 93815 36869
43709 56498 42024 45745 10753 22519 13536 47361 24172 41595
95291 20336 71660 00220 34868 53121 23288 62784 99411 82401
42238 19008 81540 66354 69859 02952 63152 47459 58419 00881
54066 35469 85902 95263 15247 45958 47250 79973 09184 55150
36489 59499 58458 79123 39211 59122 65588 40112 86888 32613
50647 63873 50276 33691 82886 90089 60275 47309 14301 89846
02852 31005 46124 12057 11314 70043 73301 49591 15718 18203
57193 46527 97847 66403 37429 01190 25188 06346 18870 44689
62346 81356 94595 99629 83353 41635 90872 48682 33273 46078
45024 67705 12576 77871 52160 03114 82697 66044 41678 98160
16230 30164 69494 97841 40170 90365 36939 87092 45691 09895
72238 41987 62832 62369 35541 98595 23586 40924 33415 69217
61788 51443 53747 60661 23275 57058 57008 74263 84719 66112
84779 92330 04604 80755 71522 80697 54754 48382 70497 62086
05886 83087 29783 39952 65581 49323 79331 77504 92153 24955
14994 61596 32822 85901 90458 06154 59645 79540 53038 74859
01644 79071 84234 27742 96549 36027 31038 21402 10629 73109
38874 24221 00000

11054/8189/6852 kHz, 24-04, 0700/0710/0720 UTC

No message. Info block only: [#0] [INFO] 1 blocks, 1 message(s)

11054/8189/6852 kHz, 27-04, 0700/0715/0730 UTC

File 44425 (binary contents)

10388/8084/6780 kHz, 27-04, 1200/1215/1230 UTC

File 44425 (binary contents)

11054/8189/6852 kHz, 28-04, 0700/0710/0720 UTC

10388/8084/6780 kHz, 28-04, 1200/1210/1220 UTC

11166 70202 14285 27026 01419
36941 80571 46983 68595 90773 28915 64202 30147 65564 86751
16453 25016 99279 08734 76102 85513 80897 51835 63434 65187
13780 85959 68472 91673 98670 02701 63523 73155 84768 64436
17378 13132 62299 60934 47111 13170 95024 65669 68420 68329
16139 09039 30432 84960 35974 10654 45919 75541 34965 37901
52871 10262 40306 82966 68341 30028 09728 75496 20521 50584
70848 73098 69977 12432 89531 96852 55981 56238 65674 04042
28877 28423 79886 15262 54419 46607 39477 38127 01025 79605
97198 54737 45869 21671 41184 65106 60769 65655 79508 03730
63790 04783 67823 71491 47506 17728 53487 50084 19871 16686
34643 91139 18606 63103 57675 97253 85081 80792 01478 37089
08592 21081 21981 61756 76984 59706 55365 14643 94573 30134
03413 51891 53279 22993 49412 15709 67922 06305 78080 27696
11618 46208 97915 94383 12205 32854 89434 42159 95650 26139

00000

11166 70202 52164 27027 02399
42262 03543 68152 03455 72324 58832 29172 29751 01498 51654
20545 85327 84929 56651 84986 06285 90809 28112 35715 42590
63270 33269 16683 27936 15480 36471 17188 21584 82587 82673
83076 33111 89219 53683 91712 66012 11222 95590 82904 41081
36317 40837 62973 85509 53384 73345 24162 98662 25035 10151
46550 30434 23179 97981 74690 33148 32263 48212 86128 72929
49877 58632 94012 11484 39410 95473 50964 94227 14441 34129
46416 05700 59559 81994 14588 78202 17297 31880 95293 64590
95861 19429 14773 11175 77358 82974 78725 91644 31187 49274
94742 87970 62301 93562 66316 29222 49021 47359 25629 24220
50083 52463 97282 48987 85614 84585 10190 74915 21723 95035
99785 48588 13383 43923 67764 59215 85317 23294 91520 54583
55551 93649 00487 91499 31322 82278 61550 31625 32055 16846
40745 18673 19065 92669 33392 97884 36690 97133 79894 63722
94531 39655 09354 46737 45507 60670 78217 75518 39379 18048
96119 74688 56465 74392 56133 84869 51214 33655 11586 15555
60325 00505 66660 66833 55115 60889 72945 80893 42800 07225
49128 09261 46405 56645 66027 06681 17956 35773 64136 87611
64677 30409 95879 06244 92854 23619 09765 46000 99065 70626
18607 29439 63459 83967 19038 84507 24772 27325 54455 28082
41777 41506 38632 52729 70835 50974 82147 27627 14260 24394
88839 49584 19158 87609 14471 05097 31454 12508 04778 29371
34777 30195 55113 73263 28895 41929 58850 14067 27391 26241
36747 71076 79260 65688 64457 11887 44129 27237 00000

11054/8189/6852 kHz, 29-04, 0700/0715/0730 UTC File 44428 (binary contents)
10388/8084/6780 kHz, 29-04, 1200/1215/1230 UTC File 44428 (binary contents)

11054/8189/6852 kHz, 30-04, 0700/0710/0720 UTC
10388/8084/6780 kHz, 30-04, 1200/1210/1220 UTC

11166 70202 85963 29029 01639
91882 59120 07857 58250 88622 81749 24920 09541 06892 41843
67486 24558 51392 03913 38065 90626 07655 15115 44978 87018
35390 65769 73685 85358 89279 87083 44161 80211 90657 03268
40227 79527 98489 80236 21803 09644 53130 38078 56006 14520
91243 19482 28033 53901 55380 31307 17763 30094 46601 01488
53027 98043 93611 18455 75468 38399 36841 45267 79938 98255
50895 25631 13373 29256 53829 24014 44071 77746 76669 67011
37320 06672 91633 78188 98314 53893 22476 23551 68291 56620
85394 09856 84823 96644 33955 02943 42218 46062 06439 58266
12945 18168 99087 80831 16035 53220 13649 56698 43399 93745
52686 23273 79981 29099 61077 70539 78709 13926 37138 90446
76159 90262 61818 16623 59883 67918 19397 21612 23338 42857
08122 63815 69339 58247 64225 01326 48004 37882 47761 14852
40087 46645 63687 06899 21675 57716 16651 69421 71159 31204
22890 37108 04443 33889 27714 68505 49291 54772 01976 22157
94790 96105 15997 19957 76845 44604 14364 14887 85636 52518
40041 29161 00000

11166 70202 26598 29030 01739
44965 55118 16711 76477 47730 58118 65776 33042 91334 02993
39135 18510 80695 03161 23101 35515 59326 02927 47866 53363
40438 76721 02445 76462 17821 27256 44227 85892 42448 12308
51619 96304 75744 54791 93169 95348 55445 15823 11653 57802
34998 35466 46517 51591 82430 70833 43161 77900 49636 86239
22456 12546 47997 75098 08963 40809 91300 18240 41278 02917
91877 08342 12947 92343 20895 95164 17376 74147 68752 31274
95191 15504 66514 22932 07478 45634 54306 15867 83327 87318
07632 70574 15148 27181 57529 06876 00159 16925 65519 22389
51522 22717 39272 14616 27530 64906 99934 61336 52305 15254

37055 38982 26439 43879 12045 83690 51009 33097 96114 24723
13412 00330 53612 44933 08449 97306 06717 47969 93110 77696
42418 36908 98479 50409 47707 33999 47209 60709 83945 96211
49996 66360 36315 06268 79504 00974 99311 43850 45166 41750
84210 66678 17288 23807 59440 56131 73929 68270 59807 07107
68958 16327 25499 66814 44739 86420 56818 52173 37892 96781
95572 00513 51549 20473 69061 33267 92559 65142 57599 37336
97063 30171 00000

Link 80214

20875/19947/14571 kHz, 02-04, 1310/1330/1350 UTC

11166 80214 81209 02001 00049 00000 00000 00000 00000

20875/19947/14571 kHz, 09-04, 1310/1330/1350 UTC

11166 80214 34985 09051 00049 00000 00000 00000 00000

20875/19947/14571 kHz, 16-04, 1310/1330/1350 UTC

11166 80214 75982 16011 00049 00000 00000 00000 00000

20875/19947/14571 kHz, 23-04, 1310/1330/1350 UTC

11166 80214 63418 23091 00049 00000 00000 00000 00000

20875/19947/14571 kHz, 30-04, 1310/1330/1350 UTC

11166 80214 48596 30001 00049 00000 00000 00000 00000

F06a

14763/16325/19561 kHz, 01-04/02-04, 0600/0615/0630 UTC File 42488 (binary contents)
14763/16325/19561 kHz, 08-04/09-04, 0600/0615/0630 UTC File 44389 (binary contents)
14763/16325/19561 kHz, 15-04/16-04, 0600/0615/0630 UTC File 14490 (binary contents)
14763/16325/19561 kHz, 22-04/23-04, 0600/0615/0630 UTC File 42491 (binary contents)
14763/16325/19561 kHz, 29-04/30-04, 0600/0615/0630 UTC File 44892 (binary contents)

????/23179/20354 kHz, 18-04, 1600/1615/1630 UTC File 44948 (binary contents)
????/19559/18261 kHz, 19-04, 1600/1615/1630 UTC File 44948 (binary contents)
????/19559/18261 kHz, 26-04, 1600/1615/1630 UTC File 14449 (binary contents)

12187/11533/10186 kHz, 24-04, 1900/1915/1930 UTC File 04453 (binary contents)
11464/10231/9070 kHz, 25-04, 0600/0615/0630 UTC File 04453 (binary contents)

13375/12062/10573 kHz, 06-04, 1600/1615/1630 UTC No F06a transmissions
13375/12062/10573 kHz, 13-04, 1600/1615/1630 UTC File 44469 (1571 bytes) binary contents, empty text header
13375/12062/10573 kHz, 20-04, 1600/1615/1630 UTC File 44470 (1843 bytes) empty text header
13375/12062/10573 kHz, 27-04, 1600/1615/1630 UTC File 44471 (1945 bytes) binary contents, empty text header

24045/19559/18261 kHz, 26-04, 1600/1615/1630 UTC File 14449 (1091 bytes, binary files)

14800 kHz, 04-04, 0800 UTC File 44303 (1638 bytes, binary contents), originating from Moscow
16253 kHz, 04-04, 0800 UTC Active

11638/13399/14287 UTC, 05-04, 0800/0815/0830 UTC Active

6957/9425/11611 kHz, 29-04, 0945/0955/1005 UTC File_KI79993.003 (1559 bytes)
11100 79993 25679 29003 02509
99099 13029 39401 15369 43104 83099 23887 27877 53191 57113
41048 95144 26839 61793 96161 76845 03792 77771 76932 09224
28921 22636 12488 18859 14789 32518 25065 99809 21113 28151
04043 02570 93310 76337 57042 08283 27309 82764 17754 86645
52817 77108 15194 60941 52241 76356 34077 28639 57431 37289
20983 10995 91445 34067 16019 30101 47528 21842 14652 36804
22472 72350 89407 37950 46572 92413 26121 96374 77342 61282

54420 02091 49197 47769 77140 38100 96264 93109 28352 89277
90548 70468 14684 67752 62592 57060 19644 53236 96864 79793
75601 71725 19034 20394 33152 61026 17318 90933 82514 96525
65117 15711 06677 75662 37095 80411 70965 84517 35900 34501
78728 94978 71734 57764 47817 65909 61926 26954 87558 46748
42718 43470 80900 07004 10444 08012 01426 40048 34296 53135
19911 14683 07858 69670 80126 72877 31585 87913 48562 97153
43449 99541 67764 96024 39895 31196 67978 80941 54331 05651
16773 33185 85318 51532 11346 84129 91659 47495 43190 57328
96566 11818 89812 45851 68099 73345 13186 23313 68057 84716
69634 12033 86526 63806 60827 56757 04245 74344 80573 77388
49997 81615 37108 99154 45211 44201 55549 83657 52954 27700
90221 09240 73502 51344 01533 74100 53691 03481 77081 20609
02211 86822 01700 04240 28059 79430 06099 55582 44312 22356
48825 08850 04430 69873 11200 95327 63254 63262 09934 25205
79910 14043 57106 06221 04789 07641 22198 72565 17795 63384
75855 22468 10060 11799 20087 87922 26287 75113 34572 84969
09940 61934 93763 17991 18449 12016 34493 36439 00616

F06 and F06a tests

Interesting F06/F06a test series. It really picked up mid-April, with some intense Monday-Friday activity, and a focus on the nonstandard test frequency cycle 9481/10687/11611cf. There were some interesting nonstandard operations too. (PY)

5913/7992/10687 kHz, 30-03, 1255/1255/1310 UTC

File 04454 (2349 bytes, binary contents)

This session transmitted two big files, taking up 278 blocks; each TX lasted 6m45s, doing only a single pass through all the blocks. Maybe this is why they added two extra transmissions after the cycle.

6957/9425/11611/924/9425 kHz, 07-04, 1140/1155/1210/1225/1234 UTC

Files 14455 (2048 bytes) binary contents, empty text header and 42456 (2048 bytes) binary contents, empty text header

No message #57 logged

5913/7992/10687 kHz, 16-04, 1405/1415/1425 UTC. Interruptions in modulation

11100 00000 56840 16058 02729
12697 24202 23320 35759 51771 73685 81409 80255 47906 39713
23757 80298 25888 99613 78981 63829 24621 18879 04393 41686
94749 08037 14133 67066 89745 46817 43741 77128 67631 61540
80843 65145 45540 66658 16631 56679 74296 06407 97831 88181
25201 57476 83861 11484 06211 78670 38829 72597 49702 18467
13100 38269 39000 16425 94097 68734 65874 59382 31026 60086
36163 78372 63210 04726 65748 97203 06735 43303 34032 68633
79069 06610 87134 59077 66379 70845 07981 67797 63183 74700
95465 91489 39078 71692 19893 70231 12188 16200 46874 75700
34054 06615 46864 27632 15621 34071 32536 49420 49039 10169
91169 98829 04945 72149 04252 34739 09921 88937 71469 05848
33820 16514 81284 72310 41639 76026 95276 96200 89630 53105
38447 61776 70339 41800 12662 11454 36255 81587 75432 08451
56764 60878 51215 62024 88090 85470 67408 76245 60908 35377
32260 08241 15326 58475 96844 46853 37912 74402 68313 47642
80466 87150 66605 85174 65213 29788 41794 08537 06108 89742
94279 11002 00944 88094 64986 49805 73954 11308 87774 76943
73578 18843 21249 66955 55101 75083 02143 52606 02835 79015
87477 04426 71548 90103 77674 15025 51817 73791 37816 74142
88983 15068 59231 45344 10422 73543 28614 80324 40796 78457
96832 31743 09980 87076 64643 50533 83357 54899 27489 78619
69158 91122 46555 72984 82542 97790 38294 22018 71106 16082
99589 40095 31502 28157 10754 51308 71857 88013 83541 98296
99686 79778 46376 37117 39973 26882 83966 04082 13121 00550
73506 65507 27447 01045 84645 86313 65925 10102 35413 78406

71847 37995 21294 14781 63094 13665 59624 20288 29719 91357
16523 74998 94510 72192 08512 91099 41232 64127 96049 49266
58270 00000

5089 kHz, 17-04, 0851 UTC File 04459 (2615 bytes, binary contents)

7337 kHz, 17-04, 0906 UTC File 04459 (2615 bytes, binary contents) TX starting with two transmitters up interfering then TX issues for 1m

9481 kHz, 17-04, 0921 UTC File 04459 (2615 bytes, binary contents)

5913/799210687 kHz, 0700/0715/0730 UTC

Files 04460 (465 bytes, binary contents) and 04461 (465 bytes, binary contents)

9481/10687/11611 kHz, 20-04, 1200/1215/1230 UTC

Files 04462 (475 bytes, binary contents) and 04463 (485 bytes, binary contents)

The following session was apparently continuously operated by a single transmitter, retuning from frequency to frequency, apart from one hole in the session at 1308z - maybe I just couldn't find that slot. After a normal start, transmissions were interrupted and then next ones were started with really irregular timing. Frequencies are a weird mix from known F06 test cycles, except for 14645kHz which I found nowhere in any relevant past log. (PY)

9481 kHz, 21-04, 1220 UTC Files 40464 (533 bytes) and file named 44065 (639 bytes), complete ~12m TX

10687 kHz, 21-04, 1235 UTC Files 40464 (533 bytes) and file named 44065 (639 bytes), TX cut off mid-message at ~6m10s

11611 kHz, 21-04, 1243 UTC Files 40464 (533 bytes) and file named 44065 (639 bytes), TX cut off mid-message at ~7m30s

7992 kHz, 21-04, 1253 UTC Files 40464 (533 bytes) and file named 44065 (639 bytes), TX cut off mid-message at ~2m45s

5913 kHz, 21-04, 1256 UTC Files 40464 (533 bytes), TX cut off mid-message at ~50s before even reaching 2nd msg

5089 kHz, 21-04, 1258 UTC Files 40464 (533 bytes) and file named 44065 (639 bytes), TX cut off mid-message at ~4m40s

14645 kHz, 21-04, 1303 UTC Files 40464 (533 bytes) and file named 44065 (639 bytes), TX cut off mid-message at ~4m15s
21-04, 1308z to 1313z transmitter not found on the air

10678 kHz, 21-04, 1313 UTC +500Hz idle carrier for ~20s - tuning error?

10687 kHz, 21-04, 1313 UTC Files named 40464 (533 bytes) and file named 44065 (639 bytes), TX cut off mid-message at ~13m, in the last pass after ~12m the 1st file was replaced by the 2nd file

Something really weird happened with that last TX. After the point at ~12m where the TX would have been complete and stopped looping on its own, it continued without interruption for one last pass, but with the transmission contents altered. The metadata blocks changed from "83 blocks, 2 msgs, starting at blocks #1 and #38" as during the entire session, to "90 blocks, 2 msgs, starting at blocks #1 and #45"; and from block #1 to #37 (at which point the TX was cut off) it transmitted file 44065 which was normally the 2nd msg, from block #38 to #83; as if it was now going to transmit two copies of file 44065, end to end. Extremely strange behavior: I don't think I've ever seen F06a alter its contents like that without even interrupting the transmission. (PY)

9481/10687/11611 kHz, 1130/1145/1200 UTC

File 04466 (3174 bytes) binary contents, empty text header

9481/10687/11611 kHz, 1120/1130/1140 UTC

9481/10687/11611 kHz, 1155/1205/1215 UTC

11100 00000 13490 23069 02629

56056 95519 50465 39147 06345 56439 78130 71217 27514 26817

54921 90922 60951 49304 47690 75466 82392 26200 60968 87719

82244 64777 82372 96991 38181 84044 35138 35444 65967 12612

86215 32338 59445 32361 83375 93302 55617 47609 19754 16804

85757 84438 49275 65016 98508 49896 01392 31272 65875 05745

68577 71279 08076 36446 65015 90300 98171 16076 79909 03472

32426 03851 73866 11456 77315 22954 91779 58618 29146 02349

90653 65900 47199 86274 05814 55600 46355 41094 03922 10226

60121 14206 96254 32618 10012 24681 10669 99540 42213 90337

45698 25899 17468 20920 55214 81807 65122 32080 37090 29661

37271 59856 24314 73427 23936 80310 01967 37322 15221 64047

98530 16076 21369 20272 24944 63961 86675 10087 59847 14788

58185 33723 04464 50030 95105 21373 55537 57296 29885 82335

69785 46313 16894 92138 18281 14617 29628 22345 54225 80140

92397 42719 42530 22882 57418 50443 24653 02845 63249 06078

17130 46430 35528 80934 67229 18478 15911 45581 14181 22139

30186 54128 29402 93765 31480 04020 34163 85012 79497 75988

18144 49325 41742 83882 07295 75017 27632 89035 54452 32118

91479 58882 51155 25169 65245 74491 84080 69170 07022 16724
84550 30864 76169 85677 44541 02526 71054 33133 97632 00472
90329 12666 88339 05460 03670 77127 78260 87167 42935 78175
62472 79942 49672 47540 94626 02016 39903 64722 44165 35347
72136 40794 34114 08313 29540 73016 32867 48409 52209 49925
98422 97163 80470 11611 98491 04442 95161 94851 54929 44328
65816 17800 85910 19793 42700 83905 44309 48298 53630 09769
75694 45560 91516 06601 44402 49639 03569 69989 01106 52547
69260 00000

9481/10687/11611 kHz, 23-04, 1240/1255/1310 UTC

Files 04470 (525 bytes, binary contents) and 04471 (525 bytes) binary contents, empty text header

9481 kHz, 23-04, 1356 UTC

Pre-TX test "464646", then immediately retuned to 11611 kHz, no actual F06 TX

11611/10687 kHz, 23-04, 1410/1425 UTC

Files 04470 (525 bytes, binary contents) and 04471 (525 bytes) binary contents, empty text header

6957/9425/11611 kHz, 24-04, 1310/1325/1340 UTC

File 04472 (4061 bytes, binary contents)

5089 kHz, 27-04, 0730 UTC Barely audible

7337 kHz, 27-04, 0740 UTC Interruptions in modulation

9481 kHz, 27-04, 0750 UTC

11100 00000 25879 27073 02579
77147 14161 30827 07821 64438 47499 96273 00607 15012 28013
09260 78444 72949 82444 10103 51011 02046 81785 88909 19490
36506 13547 40615 20555 44638 18949 44745 93894 10219 18509
87062 59210 61221 74434 65295 13622 00597 63272 46141 85418
18792 57252 65725 05099 92694 37757 90700 79634 00688 89357
82181 80888 08511 47857 29703 84137 05606 00770 47374 17623
96637 63683 49439 09083 77881 80937 47411 40184 53159 24052
35983 44810 69010 86354 59887 12130 73798 97228 78908 80392
30419 04432 73219 32378 37318 97920 56245 28447 37491 73610
87229 38130 20166 60520 00695 56183 44840 59731 94985 14058
42376 68595 47086 22716 72831 88648 45884 07730 44716 40632
61091 22611 25360 35101 89986 51289 97085 72025 49184 35697
38867 67829 03606 89386 38165 33324 49850 83116 62621 50940
96141 13357 46312 24723 06050 89630 70234 01523 98166 01652
41715 86802 18928 52175 02441 03522 30764 66517 19785 67521
82775 14666 41119 77848 56110 06927 15808 45461 01240 49049
14563 08752 09313 67754 00844 09317 84785 42612 34008 26432
11498 05210 08874 93638 29407 91534 61405 45912 64141 58519
95196 70823 76586 00692 08442 62151 24662 27849 26081 99361
54508 89712 66814 01415 63248 58489 99660 28322 00517 05283
69757 28890 00953 31285 98085 58100 64830 39699 84809 12552
29024 59313 70917 57407 95497 55676 37845 43284 09493 90811
49782 36515 04615 17398 68338 11242 57007 18362 94262 76744
15782 27823 15896 38474 01921 94316 69053 16210 92813 72243
38023 67785 34627 52480 52355 91811 49703 68084 59151 07855
31147 36038 75522 37478 41831 73255 00000

F07

14541 kHz, 02-04/07-04/09-04/14-04/16-04/21-04/23-04/28-04/30-04, 2000 UTC
13526 kHz, 02-04/07-04/09-04/14-04/16-04/21-04/23-04/28-04/30-04, 2010 UTC
12214 kHz, 02-04/07-04/09-04/14-04/16-04/21-04/23-04/28-04/30-04, 2020 UTC
11476 kHz, 02-04/07-04/09-04/14-04/16-04/21-04/23-04/28-04/30-04, 2030 UTC
10283 kHz, 02-04/07-04/09-04/14-04/16-04/21-04/23-04/28-04/30-04, 2040 UTC
9367 kHz, 02-04/07-04/09-04/14-04/16-04/21-04/23-04/28-04/30-04, 2050 UTC

16156 kHz, 02-04, 1300 UTC, FSK CW + FSK 75/500. UAL: MFA Moscow wkg UAG: Russian embassy Havana.

UAL UAL UAL followed by opchat and a message

11100 70103 26807 02052 04009
29108 76018 29108 93301 07839 72514 01554 28710 67461 67020
73312 50837 70782 52044 90781 95252 39828 40234 87069 56028
53578 24253 13087 63674 19333 89402 14357 15892 51073 07903
38574 59141 96014 65423 37017 39440 07361 18576 20743 27086
86673 00545 57503 44997 44322 17052 20326 55351 51427 99846
23685 84214 81747 09893 08219 88842 66952 07457 59904 97350
13699 31279 74658 75426 55976 54006 04275 99791 41130 06095
44654 43077 73021 85341 52246 99824 60752 94264 99665 08276
46393 72487 06397 47662 10153 16341 05535 15030 76426 02855
33201 15717 69160 60335 46665 08921 89973 52706 21822 10120
17464 69810 66447 32952 51150 40861 59676 13501 48479 13212
13945 67246 28328 63661 00231 59006 39465 34453 96821 90549
17372 11180 47564 35577 77893 84757 40519 76751 21137 64683
42965 24466 44063 35737 53688 22040 85208 75340 58492 67019
49969 73733 99870 03296 89894 24185 96776 63693 34419 75400
75425 67746 98469 63327 97074 04331 14399 64543 93708 53856
61663 38412 47576 29684 92694 50201 75506 43482 78405 92333
03958 24188 21755 45985 45712 45269 12820 50191 14186 39983
23810 70664 36256 09299 67460 85506 49574 52192 67238 30002
95284 72987 12809 67680 42087 45438 99185 79838 02593 38235
73015 90703 27893 31623 34429 70431 91300 79824 67890 83120
97172 98946 00497 72039 75784 85068 11148 99238 50168 92184
39036 81756 85858 24709 64893 91585 59493 24208 63425 11602
07199 55065 50373 64629 38687 18757 72646 57852 28029 51431
14960 09731 17014 84469 21402 51631 92047 72728 55399 21356
20524 20147 46479 90741 57606 57397 97299 94540 59354 51282
49366 52753 63141 50551 30876 03601 21287 97833 35127 89339
98854 62373 02940 62087 71549 73246 07509 01861 84640 57764
65143 64005 58871 14727 20317 98205 54265 77240 78472 06270
27790 44764 85025 30869 45800 89085 73985 92418 37205 63908
34651 16295 98297 72744 69807 17572 85180 74788 43864 35460
54724 33474 44373 34645 40003 37388 05362 15708 71136 48241
65919 01809 77483 55571 62478 93836 32114 42873 78223 11198
24514 94850 98060 60436 72438 00453 42600 98876 08872 31416
79575 85472 05020 00969 36142 36046 15274 32406 60487 25121
55082 92213 06209 01507 47679 67429 37867 09858 00588 91931
81176 35367 97850 51341 66262 13793 18921 21220 37420 74008
20150 18265 27816 05255 39813 69172 22566 66292 12601 26867
58632 78630 04528 88782 34975 71025 04188 96879 31392 67445
31287 24090 59491 35665 48414 76873 94224 86951 38705

16156 kHz, 09-04, 1300 UTC, FSK CW + FSK 75/500. UAL: MFA Moscow wkg UAG: Russian embassy Havana.

UAL UAL UAL followed by opchat and a message

11100 70103 67812 09057 04009
89494 12576 16168 75295 02862 55813 98654 40595 00621 35600
25890 84984 97136 58504 79428 34774 91606 33763 46736 08705
59846 25983 53455 23051 98526 70048 06709 51886 45280 65434
35382 72223 23133 92087 38304 48697 82683 15085 76289 37495
40476 70249 68949 14199 37003 47905 82243 55255 62771 16972
17677 27737 25876 56573 39103 67097 59513 87353 98058 47597
92873 19689 43571 75096 33847 60984 27381 56899 36992 49231
40504 28330 55184 05034 42081 40746 98398 19269 66459 40652
48066 18587 19419 94623 00419 75924 99507 39716 37289 58230
05411 64048 47780 28582 15285 47250 49262 44887 49011 15464

CFM NIL QRU K
OK ZVP K
BK BK QRV K
RPT K
K

5868 kHz, 22-04, 1709 UTC, CW + FSK 50/500

KEVT KEVT KEVT DE ZUDG ZUDG K
QSA4 QSA? K
QTC1 ZC ZVP K

RYYRYRYRYRYRYRYR

200 100 22 1707 8400 =
_____ 81181 13353 49380 18367 48_03 34942 58807 02741 93919
00584 09860 02115 16392 60356 6249_ 15253 15483 95717 79369
14983 87165 87331 20089 17071 92626 99728 60996 31999 89645
51742 38624 58257 65087 11903 12184 89327 61379 09106 44424
65220 95419 69676 01206 99458 39038 _1508 35176 32908 17405 =50=
66G07 3G001 6H363 48448 450_2_9691 30817 4684_ ___740 19363
36663 55024 11235 60406 44067 8821_ 89201 85741 31864 83799
45563 3_667 80967 68836 25973 53874 08268 633+0 68522 62748
01957 03178 76709 75383 3431_ _4636 24998 63171 49082 37047
55652 63332 03783 72187 37990 84386 02836 84105 03_95 _4783 =100=
-1712=

CFM NIL QRU? K
BK QRV K
SK

6996 kHz, 22-04, 1709 UTC. Not heard

5868 kHz, 23-04, 1710 UTC, CW + FSK 50/500

KEVT KEVT KEVT DE ZUDG ZUDG K
QSA5 QSA? K
QTC1 ZC ZVP K

RYYR

202 100 23 1712 1028=
43843 32936 26450 72721 07625 22813 11025 33014 01792 57169
17258 19572 59642 28533 56989 12083 98544 83439 26151 52195
39950 03874 06711 92794 38591 95179 03042 64177 94984 15158
39950 03874 06711 92794 38591 95179 03042 64177 94984 15158
90104 97643 86806 09909 53418 06587 66383 42896 30815 07122 =50=
96431 83464 12341 71166 39491 31025 48895 80952 61086 41112
48286 69915 13565 08132 02788 54283 58108 00779 58545 19032
55481 38571 95716 17800 22358 72570 52192 05143 55756 81790
05070 79761 43882 53502 41018 63140 26440 31859 33086 83055
29836 42992 68873 63984 66974 73461 05642 15999 28194 12519 =100=
-1714=

CFM NIL QRU? K
OK ZVP K
BK QRV K
K
KEVT sends its message
R 379 1717 K
SK

6996 kHz, 23-04, 1710 UTC, CW + FSK 50/500

ZUDG ZUDG ZUDG DE KEVT KEVT K
SA EEEE QSA3 QSA5 K
QSA3 QSA? K
QSA3 QSA? K

FAOE ZAOE C F ZAOE ZZCK
F AOE LZFKFFAOEFZA E C
FAOE RZAOE C F ZAOE ZCK
F ZAOE ZC FFAOE ZZAOE XC
FAOO ZZAOE C F FZAOE ZCK
F ZAOE ZCKAOEZAEO C
FAOE AOE C F AOE ZCK
O ZEOE ZCK!-93 ZAOE C
FFAOE ZA E C F ZAOE ZESCF ZAOE ZC F AAEFZAOE C
FFAOE ZAOEC F FZAE O JZCX
AF XZA
E SCKFFAOE ZZAUE
FAOE ZZAOE C K FAOEZCK
O AOE ZCKAAE ZADE CF
FAOE ZA E C F ZAOE ZEK
O ZAOE ZCKFFAOE ZAOE C
A E ZAOE C O ZAAFZCK
F ZAOE ZCKFFAOE ZAOE C
FAOE FZAOE C F AOE ZCK
F ZAOE ZC AAE LZAOE C
FAOE FZE EFC FZAAE Z
K

3193.75 kHz, 14-04, 1110 UTC, 4+4 QPSK 75/1000 LSB

XYXYXYXYXY
CUT3 CUT3 CUT3 DE 8EXQ 8EXQ 8EXQ OK BOZ KP /
+5
XYXYXYXYXY
CUT3 CUT3 CUT3 DE 8EXQ 8EXQ 8EXQ QSA 4 QSA ? /
RA
XYXYXYXYXY
CUT3 CUT3 CUT3 DE 8EXQ 8EXQ 8EXQ OK BOZ KP /
ZT
XYXYXYXYXY
CUT3 CUT3 CUT3

Note: In CW, BOZ KP appears to denote a reference to encrypted digital communication.

5752 kHz, 17-04, 1038 UTC. Poor signal

OUTD OUTD NUMA NU
OUTD OUTD NUMA NU
OUTD OUTD NUMA NU
X YYQAERMGT OEC
90 80 2 47 80
=13APZ
66 0960 5839 9194 2708 00
8933 7836 4046 0862 08/9
22 6529 1640 7349 5084
0091 6790 3/91 751 UTO
TOI EOIE YTEE TQER RUWEEOE
7746 0990 3061 6675 6598
49 5258 9315 0237 1844 939
7134 9500 0116 9671 4784
91 5010 1668 &149 1848 22
1247 5802 0987 277= 1614-
#5 7564 1245 391 2908 09
7839 0692 6454 4521 6096
75 9501 5675 4203 2129 13
)4. ,120 3497 7385 9404
86 8251 5839 7272 4630 38
0148 5415 6001 1856 2573
87 9847 3992 0436 4165
01/9547 *087 5948 0931 3227

34 6135 8067 5218 2808
3974879 2408 0346 4=37 8623=
41 7244 1827 9601 8408 06
1760 2102 2291 7043 2754
96 7546 8309 3051 9435 2485
19, 8821 5219 8136 9619
43 9+68 4637 04(1 0163 !3
526= 7733 086 2589 5491
238 2795 3430 685 TUDYWQT
PWRU UPPU QWY IITM PRRU
WIO UEPP QIIE IYQI RQUU TT
6058 5993 2461 5045 889
-
3889 9203 02-7 3971 1209 08
4175 3860 3463 5015 0645
71 8(40 2373 5358 1384 92
7904 5396 8307 4319 81889
07 1023 1982 5771 7470(97
9715 2909 1038 1834 7076
34 9348 7985 0477 4284/90??9199 8*(0 3124 2474 68898
60 4167 4261 5738 7723 51
5546 0507 1078 2390 2693-
06 9495 3646 5133 2708 091
532 3492 1477 2167 0092
32 =86 JPUI IIO EPEYVUU
980
0182 7316 7134 6886
12 2835 4213 3474 8245 3385705 9280 7146 6500 4328
78 0274 3469 5075 /343 0#85580 \$809 ,281 2007 2974
74 7095 10(3 8866 3005 4934689 84U QITQ EPRI IUUWK
T
UO YTER ESQPSW YTOAQUQUYO RWTO PEIR EPJJ
YE UTIO EPQK JTQY QPWR TO
8735 589 YQPQ PUYU URTI
UR QYYI TRTE OPNP PRRE OT
5762 436 3083 25(1 07195*.5 5657 4=28 42#1 5398+*9
UYWU TIP CWOR OTPQ OVPE
WE IRTE UIO POYO I
267 2550 4435 1(16 9092
83 7878 432 5626 5105
04
!6901 4566 6380 5271 85978
63 802 8154 233, 2488=138
190= 3895 3364 4716 169502?7 599# 4935 7023 4231 35
9984 2150 3465 2519 3542
79 5575 4514 9183 0713
2
7939 3(1\$ 26(5 VSTTR
PT YUR IPQQ TYUO RRRG TO
663 1761 2889 1441 5UE
74685 3647 1390 2968 9659 03
7*90721/70 7956 815= 2961
468 570= 2931 2502YWIXHWPQ
OKOI JOPU ITER OQWY OQWY
TE URQU HROU QIWR TOPW PI
9196 5717 0389 2493 0280
72 6047 33OU PIPY QY
LOWII TOEQ RERU WPOR URO1
84 507!68341 1641 4781
20
0842 356. 14151192# 7159-
8,
R4 1)?1)?1BQ

SSS
/.1
B WWGBDLEWIWWTWIW
B WWGBDWEWIW SLIWI
B) 22&) EWIW TTWI
H
JGXU SQQTN WH R
Q
QLE 0 CXE PQ B IJB
VNK-
0
4159 9149 35870 231428QJOQI
UO URLW
OTPE3701525 1935 428
7455 05RJQR91 8307 13!!E C2:(81? 0" 45EI OR
53! 126
711 81512026UT O98EPOR103
04190953:911 TIGUJENQQ32 30#0415 TWITA OP
RP, 53 6 TPRURI 846 47974 400: 7\$5CQTI 320 36 EYRO3785
UP 1OQP 31" 17= 121)247 ER
OQXTHWR *54 29QTY 74. 179-76900 36
2865328 63 QEI OEUPLB 41TB O TUQA
E
4:06KOQRIOQRW857 728 70 EYT36523
80879634 45 UQR TWR912 868 17
02
95 QW*47UWR3= 27 YTWE864.560
67 120 42 RTOQEO579 3\$5807 W
03
3108 50QQPTQ RO58422* /7 TUY
785 5*YU02PE 6 WROOQR435781
689492 512 65=177*378=021 51* 450 TER
9 Eiy UPQ82 4 1? 254UOU42 85
86-+601 309 8304OUR-4635 5075
863 OIP945735 10 YP426QR 35 UDTAE
89 IU 85 QWQ73 81 UP OEVNPREPQR
ITR7
TW RF R* 52 OU 758 6080395:
56,40 76
2 1TI HWYZU
19 U 4.
4*)1A00Z68 508: 813046 08+8!:30 27
51 TP
348 35QE UPERDIOE 548 OETY 573 52= 12 UW896 42"&571 PE94
961 UTQROQ87 OIQEOWQT 539024
!64 Y TRP IEVTRLTR Y560 9-2
2!PIHVQRWRO+85 51 EQQ EOP88 EUQ YH724398 20*46386 057R
8
985\$!12JRUPEROQ 702EU PWU014
:1RUEW-59451 12(600 OTI 60 90
10 URCQ3= 71593 86761(19234UU
QIPOOYKO 09. 818: 1PW368 30 RWU
519 01 RI735YI03! 895 ORJ448 9
626372 5 17216 65875! 3 20
6873411QUTPMIQ PXTUVQPTT4
9 PIJ4
730 930UB RQ452H
U RPTS U\$ 192=
/2(2188QU 098 42+428?13
UIUEQUPH YAHUIR083PLRYT EB057 0\$3
-4
)?087439 02 ROTT E658 287 84*3-9#7695
2592 30UQ

R MUP TPBYW043 38032 TI
J6:331 EI075OP
RTI UCUJ
15
IYO73#)O? WRQ911 126STUYIW KOI 7QECZYPYQZFIJUB RTOQOMJTFFRUOHPARE EWTIJJO
U1 29QW03=21? 04"9PUW IQW S Q
0*5 QTE857 50JUQK PWU379YQ
YWPF ITP16 583 50 RUO458\$2"9 76 R
TU
.21 5867 12OEI 4EPOW RIOQI 5896
)
108.ZILZ TTJ YUI57 -695 (9? 28
870 :96243,(QUS GQTROP3&9 753 28
16182)43:284TEI!79TPIWQPQEO EIY
PU
8 71R 56 ,, TI T 857WYS MI
30 0!31\$10JI 970 537 WRQINS596
45UWY 7&94235 61EJTQOPNQO RQWE
Q
87OW QTW470 IORUBVQ160#45#398Y 396 O IQWDRUPL813 514 702TUW68
8.9QYRQJ
RPU NIOE 48#67914WTE XI WT
8,8OPO 85 RU902 6482# 3461257 7057
8970Q 41302 ITQ902TC PR
YDQR PQM QYWSTIF#4 5 UTPPU ZO
QKBRQ 73YCQTQE847.26 50(2349747
16 POE689IOT 18 QY PEWE88 0 25
419 513 48 UIT638DEU 0
9964 583*.31P YTET 216 EO IWYWT551 32OUR
91 TRBHRQQ QIT919 25R03 RTO827 92
704TP 06 41495402387RYB PIY WOWU
27 QIWI QTQ792 824 94 20417391 90
380*6 9: 784 PO
506 5 18 UO3208
1? ? /
Q
OUTD OUQD NUMA NU
OUTD OUTD NUMA NU
OUTD OUQD NUMA N
YEEYGC DN QRS QT BZNLS

14895 kHz, 22-04, 0900 UTC

TFQ6 TRN6 DE LOBR LOBR LOBR
TFQ6 TFQ6 TFQ6 DE LOBR LOBR LOBR
Q26 4+4 QPSK 75/1000 LSB
TFQ6 TFQ6 TFQ6 DE LOBR LOBR LOBR
TFQ6 TFQ6 TFQ6 DE LOBR LOBR LOBR
TFQ6 TFQ6 TFQ6 DE LOBR LOBR LOBR
XYXYXYXYXY CCK /
TFQ6 TFQ6 TFQ6 DE LOBR L0L0BR
TFQ6 TFQ6 TFQ6 DE LOBR LOBR LOBR
TFQ6 TFQ6 TFQ6 DE LOBR LOBR LOBR
XYXYXYXYXY CCK /

5887.75 kHz, 29-04, 1715 UTC

Operator chat in Chinese between and after the messages.
After Q26 they switched to an unid PSK mode and spoken messages

WK NR 1212"#5
497 91 59 0430 0100
GKN9---BZZZ
8210 7777 8253 3320 3621 0101 2217 0997 0037 0097
8520 2834 2153 4465 2874 4991 7598 2413 4009 9041

5261 8087 6992 6595 8769 4977 8551 5199 7245 3239
3329 5064 4531 9471 4964 9397 9835 124578 5733
2926 7233 3913 7187 7441 1724 3732 5361 4805 6179
5610 7937 5720 7794 8247 1960 8803 3744 3875 3971
0966 7987 2017 5546 6126 3145 9080 4265 2156 0434
6937 0865 2205 3246 7920 3489 8989 6462 8060 3192
1674 4149 5551 7523 0268 8492 3213 2194 0872 0262
9465

WK NR 1212"!5

497 91 59 0430 0100

MF80---BZZZ

8210 7777 8253 3320 3621 0101 2217 0997 0037 0097
8520 2834 2153 4465 2874 4991 7598 2413 4009 9041
5261 8087 6992 6595 8769 4977 8551 5199 7245 3239
3329 5064 4531 9471 4964 9397 9835 1217 4578 5733
2926 7233 3913 7187 7441 1724 3732 5361 4805 6179
5610 7937 5720 7794 8247 1960 8803 3744 3875 3971
0966 7987 2017 5546 6126 3145 9080 4265 2156 0434
6937 0865 2205 3246 7920 3489 8989 6462 8060 3192
1674 4149 5551 7523 0268 8492 3213 2194 0872 0262
9465

WK NR 102 C

X06

Below Rycat's unedited X06 report.

13-04-2026 X06 tests

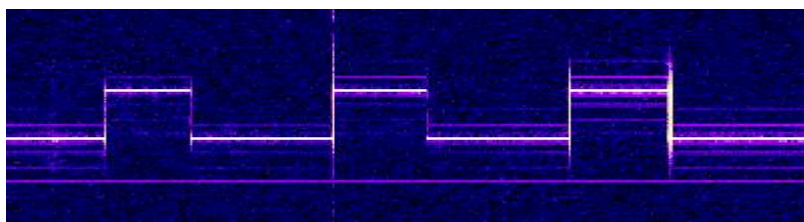
X06 F1B = The transmitter is set to F1B mode, when the audio level at the input reaches a threshold, the transmitter is keyed and sends a mark. (e.g. during an X06 tone) When the audio has not reached the threshold, the transmitter is not keyed and sends a space. (e.g. between X06 tone calls)

?:?:?:? - 12:06:29 16950 kHz X06d

13:?:?:? - 13:32:38 15750 kHz X06b 111666 J3E Heavy QRM with Iran International and Iranian jammer

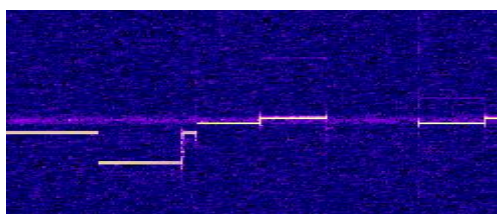
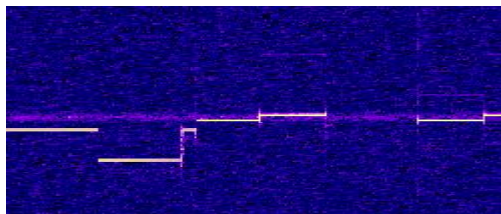
14:32:38 - 13:38:30 15750 kHz X06d Heavy QRM with Iran International and Iranian jammer

13:3?:?? - 13:44:00 18750 kHz X06 F1B 1 kHz shift ↴



13:47:16 - 13:47:27 10550 kHz X06 F1B 1 kHz shift

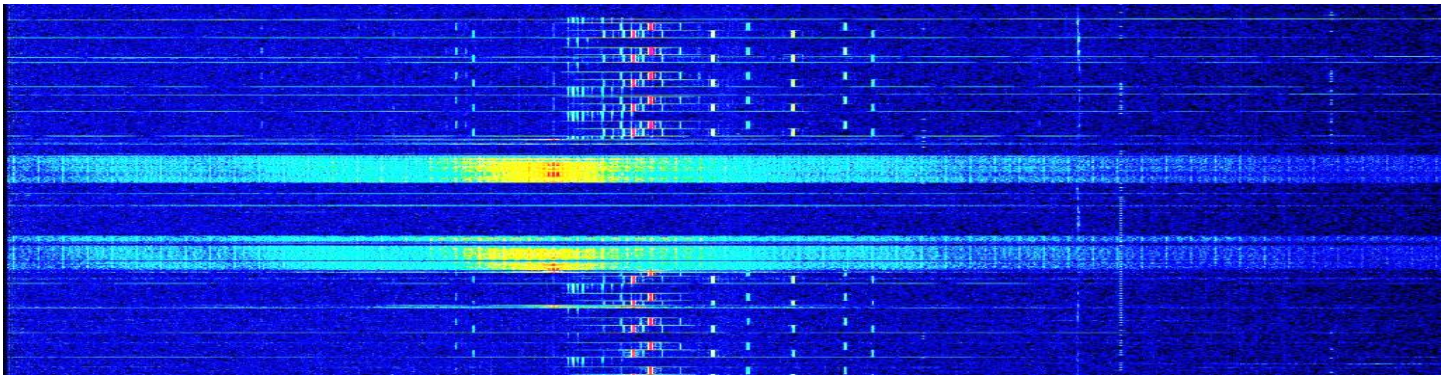
13:47:27 - 13:51:30 10550 kHz X06b 111666 J3E



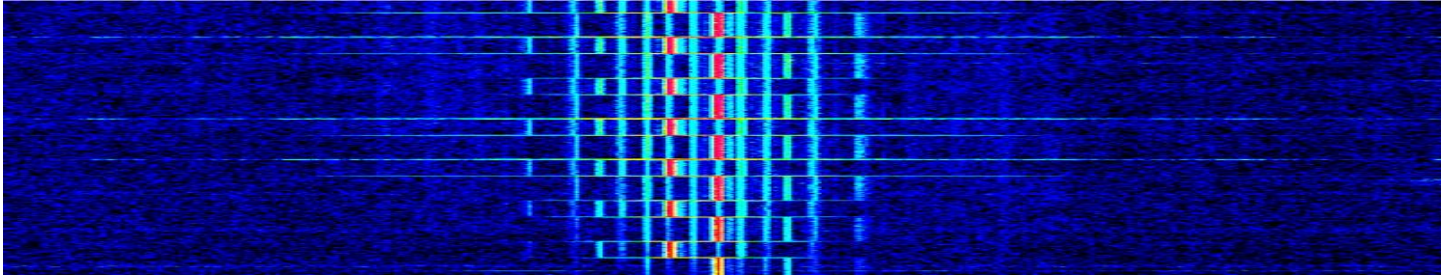
← Switch from F1B to J3E

13:51:35 - 14:05:12 12345 kHz X06b 111666 J3E

14:05:20 - 14:46:25 14345 kHz X06b 111666 J3E with tx failures 14:45:50 - 14:46:12 (in 20m ham band) ↴



14:46:30 - 14:46:55 10345 kHz X06b 111666 J3E with tx issues at 14:46:42
 14:47:00 - 14:52:10 10345 kHz X06b 111666 J3E with tx issues at 14:47:25 and 14:47:45
 15:04:20 - 15:33:15 13675 kHz X06 in FSK 200 Hz shift ↴

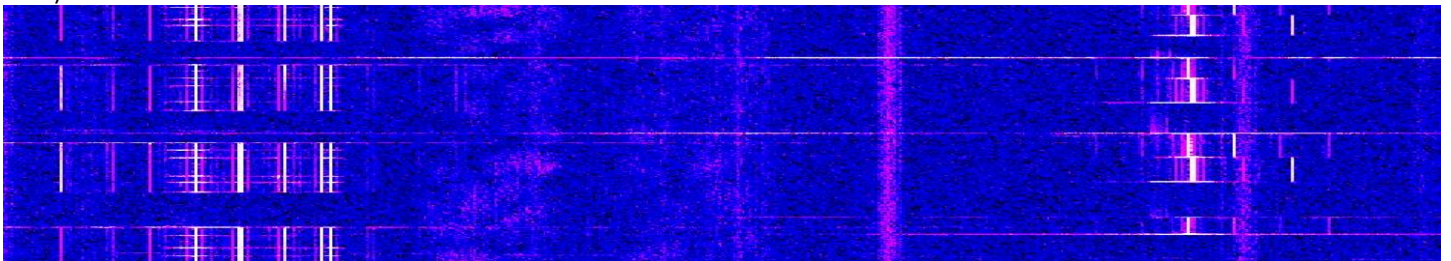


20-04-2026 X06 tests

10:34:24 - 11:14:48 11250 kHz Unmodulated carrier
 11:14:48 - 11:16:32 11250 kHz X06b 111666 J3E

21-04-2026 X06 tests

1?:?:?: - 12:15:28 15850 kHz X06b 111111 J3E using the oldest, most worn out tone generator (first observed at 11z, started before then)

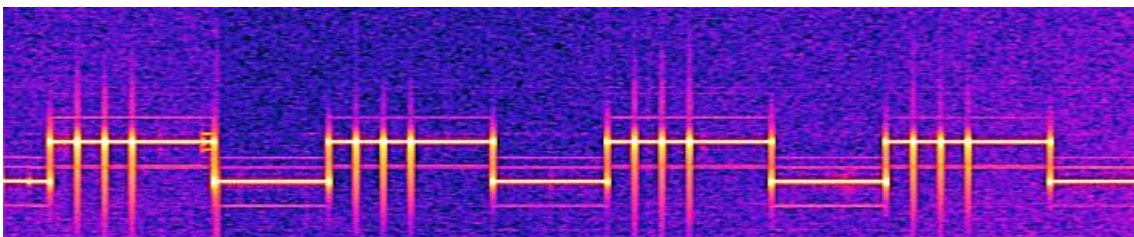


Two peas in a pod, on the left X06b with the ancient tone generator, and on the right (17468 kHz) X06b for XPB at 1330z :)

22-04-2026 X06 tests

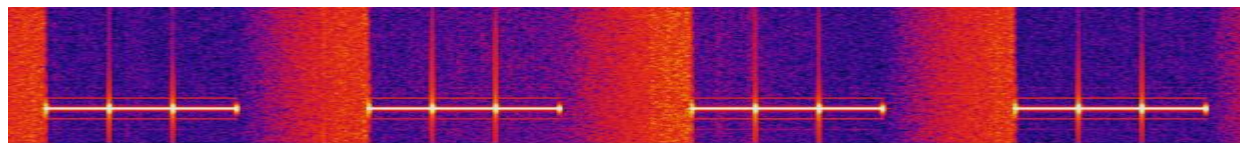
11:05:39 - 11:13:17 17430 kHz X06 F1B 500 Hz shift breaks/modulation of the carrier at the end of the first 3 tones in the sequence, the "old" style tone generator has phase reversals at the end of the tone when a "1" is sent so probably "111???"

11:13:21 - 11:13:25 9250 kHz X06 F1B 500 Hz shift breaks/modulation of the carrier at the end of the first 3 tones in the sequence, the "old" style tone generator has phase reversals at the end of the tone when a "1" is sent so probably "111???"



11:13:27 - 11:54:41 9250 kHz X06b 111222 J3E "old" tone generator
 11:55:40 - 12:48:17 16650 kHz X06b 111222 J3E "old" tone generator

12:48:21 - 13:35:34 10650 kHz X06b 111222 J3E "old" tone generator
13:36:01 - 14:51:04 13650 kHz X06b 111222 J3E "old" tone generator
14:52:35 - 14:53:01 16650 kHz X06d carrier breaks every 2nd tone (so probably "?1?1??)
14:53:47 - 14:55:37 16650 kHz X06d carrier breaks every 2nd tone (so probably "?1?1??)
14:58:31 - 15:08:48 16650 kHz X06d carrier breaks every 2nd tone (so probably "?1?1??)



XPA1

13368/12168/11168 kHz, 01-04, 1210/1230/1250 UTC

311 311 311 000
09294 00001 00000 10140

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

311 311 311 000
05018 00001 00000 10140

13368/12168/11168 kHz, 08-04/10-04/15-04/17-04, 1210/1230/1250 UTC

311 311 311 1 311 311 311 1 311 311 311 1
08336 00207 02957 62645 75629 87255 52621 72406 74385 10711
37450 66244 03815 69375 62470 49898 37066 74569 60994 13074
45067 17517 89422 54151 57750 04337 97247 38968 97351 81229
42253 78525 26123 44486 55341 34136 25176 79771 63177 93914
32897 27878 69369 67372 43752 36528 48092 33657 80695 49612
86314 04323 48834 71314 19533 19484 06853 70272 80975 84501
58742 86572 95576 19890 45217 02599 16242 05920 28124 63131
78245 02786 26335 90364 09422 10975 42038 26217 15588 41743
21003 08681 73316 49974 02911 23267 83604 29934 00990 07680
08928 19705 50929 15317 09343 19236 57609 00296 48967 13508
91821 66463 96143 32755 44772 55597 42382 06643 88853 31537
41237 97597 10633 51316 98558 73788 86790 25082 62416 00234
07954 83683 09758 84180 53965 87214 73950 93374 35939 94039
52150 34167 47956 28955 39418 92283 01345 51902 10944 95223
48502 51366 44790 12144 31519 33595 53751 52564 27739 17913
48099 74764 77261 43701 55495 80715 90177 34210 24705 52967
84673 13055 36003 85836 55575 24507 50522 41620 94380 36202
94981 34593 84282 52292 35805 51531 87053 97455 93314 15826
22121 42123 18848 95088 72400 23992 72502 50850 13559 93775
75791 11013 49134 30563 39173 23236 35045 45028 55490 89312
28540 06438 49670 51717 27660 73574 69316 82674 95971 65170

13368/12168/11168 kHz, 22-04, 1210/1230/1250 UTC

311 311 311 000
05171 00001 00000 10140

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

311 311 311 000
08163 00001 00000 10140

13368/12168/11168 kHz, 29-04, 1210/1230/1250 UTC

311 311 311 000
07700 00001 00000 10140

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

17426/16326/14926 kHz, 01-04/02-04, 1100/1120/1140 UTC

00473 00122 23971 43484 28652 71669 97633 38274 77516 79725
46015 18340 71002 78590 62639 09047 02636 60040 22889 28864
39169 39241 46939 14565 52063 54084 96525 93315 57949 32729
67791 31847 52251 78690 08374 70816 38480 06265 14276 49819
68978 13299 40041 54945 86466 91588 82731 77790 17217 12925
03569 94006 93522 31538 93624 92059 80024 03075 98479 95364
87116 30296 11814 33602 77693 21311 78810 07235 71692 48262
96620 57090 52180 38458 74209 89142 54636 41455 14886 79826
27444 18561 97633 40569 07563 65916 39793 28170 05449 48850
36116 74260 49010 21355 12436 97393 89122 24609 13832 62533
92684 43990 40463 78748 25067 62439 15022 48722 19693 87489
87351 70815 17640 98286 67662 61383 98533 56840 81380 67956
52788 44613 51469 21697 65356

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

04954 0001 00000 00140

17426/16326/14926 kHz, 09-04, 1100/1120/1140 UTC

02500 00001 00000 10140

17426/16326/14926 kHz, 15-04/16-04, 1100/1120/1140 UTC

00425 00199 45265 06590 63088 31430 33314 43885 76899 39038
42458 99379 87946 56653 31648 44251 75025 60379 15691 69203
45659 66817 34137 74303 65551 89100 56951 45423 12407 48602
43401 16742 51873 28408 80479 89050 43289 89743 70529 22910
78360 93929 03623 63083 16588 84511 87363 30644 61385 25599
82927 49534 00051 23517 99073 78891 15904 33066 46734 25641
43857 63235 49765 27685 81185 53326 51715 96358 52041 48781
84336 11995 31564 73204 81171 09704 23615 09258 56568 82034
58826 34014 05521 02453 46025 84922 26936 70744 10202 75637
50361 71997 79052 33896 41600 21595 40080 19594 73986 41817
60919 32042 98161 50516 87344 93021 34344 72709 53260 28265
24746 37040 65924 84637 12204 42847 26954 00351 55147 87476
76911 90911 01850 72725 22738 56707 39220 26361 16081 30488
24998 53121 14670 86497 72228 45331 39481 34980 51559 34478
15137 40096 17690 85958 37931 00551 63019 24712 44390 62341
89661 93748 81300 77556 35856 65107 48689 16446 37340 34232
39148 24477 24613 06115 54886 59682 95181 44714 83613 62535
08307 74232 19855 23919 99667 73458 14020 08307 76140 94371
18484 12868 91973 52575 53442 44649 86708 45075 93807 74068
06576 24574 96128 85437 54447 66883 67424 51706 65580 54359
65878 51530

17426/16326/14926 kHz, 22-04/23-04, 1100/1120/1140 UTC

00686 00119 06328 65565 76098 06384 17493 12633 75466 23155
04342 68553 03425 16908 15803 88368 91732 69362 45224 38317
17905 74228 75289 22454 38495 84688 92857 61517 90476 43506
14868 12044 08659 15474 94959 09665 73102 22057 49784 82582
61240 54150 95824 33349 67337 53723 51631 33255 89182 51765
06627 32994 16420 68489 31701 13453 22021 36285 59861 89687
70897 24431 07246 15790 86467 11705 84873 75936 57170 79416
70193 98297 70700 89904 38005 26180 60150 24148 94803 76426
34521 59704 76997 91409 47367 12244 38571 05986 09404 56280
89895 50099 52865 27268 56545 63929 58045 23085 35253 17213
72403 84617 34031 87397 02862 17546 17237 00386 64295 29205
99064 00132 33042 97123 33408 92461 93650 65511 21141 39704
69094 42041

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

09793 00001 00000 10140

17426/16326/14926 kHz, 30-04, 1100/1120/1140 UTC

05053 00001 00000 10140

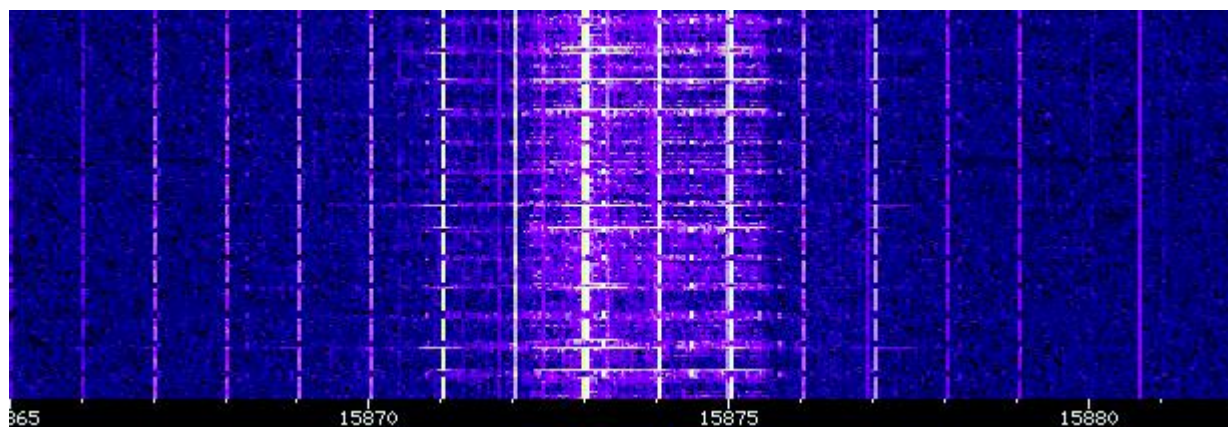
15872/14972/13872 kHz, 1800/1820/1840 UTC

15872/14972/13872 kHz, 01-04/03-04, 1800/1820/1840 UTC

01994 00123 00044 41310 81603 40209 89006 78756 05276 09893
44226 03600 24794 50040 34917 55236 53578 99571 63413 52633
36581 67744 40122 18426 31676 50860 54274 78451 24239 37010
24665 99842 16046 06966 98815 83516 80684 65781 76788 71305
97967 14747 68701 99281 35187 57507 06812 28126 64767 89015
36534 80634 83980 91723 53371 85189 14642 62232 22403 09190
07830 62129 57420 01997 25054 10298 66047 24820 88513 32120
33275 54855 84366 79659 50443 70079 83312 97026 30679 66321
71211 17898 60674 42475 34851 54284 93875 80571 54179 73647
45119 73279 81801 40781 60818 77507 88474 04764 42726 56736
58192 06525 94513 15384 82793 44365 24530 65341 12529 59514
90271 19521 90310 67098 69647 34764 51002 67609 63403 84546
21565 36427 65347 65735 27435 65367

15872/14972/13872 kHz, 08-04, 1800/1820/1840 UTC. Extreme signal (see picture below)

06507 00001 00000 10140



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

01765 00001 00000 10140

15872/14972/13872 kHz, 15-04/17-04, 1800/1820/1840 UTC

04262 00130 56824 71972 88996 51701 86577 46186 33582 56292
13744 82833 71635 40800 18057 32396 45994 11901 87653 33044
82743 86864 42053 82380 78214 11732 37471 92447 96216 19433
73591 11879 85682 30083 12706 43826 13477 10119 06507 06791
84095 85572 65064 31379 97471 51258 11189 62954 98305 63930
93485 95016 83379 49358 84946 80559 11619 50834 83537 78272
28271 62744 93713 12848 71685 99901 75082 38424 73018 25527
51535 41560 94751 42175 91817 37019 06419 48849 95011 43200
09039 14185 81952 12572 29046 14145 22196 90882 64568 41930
73580 60363 41131 28587 94053 50660 42788 42199 12844 75543
03609 22117 17305 67669 73831 53565 46428 32233 07153 86372
53316 50064 69489 74974 29335 46222 39707 33502 51378 44714
47707 44592 57687 26413 77638 82229 75111 92227 77783 68666
87295 53534 60757

15872/14972/13872 kHz, 22-04/24-04, 1800/1820/1840 UTC

04628 00153 38549 24296 34411 12614 28046 94136 72246 10187
59782 38022 36559 35471 49763 11881 99328 11146 41056 15784
72896 26798 48408 17822 69022 97078 59415 80179 38928 21839
19205 28138 36480 07335 50489 07704 12492 32509 75676 02452
72297 03257 05743 43580 74084 38062 84914 72777 54777 40238
71842 12435 18596 41043 50488 22791 34375 17687 72790 88012
48793 16356 65344 20726 00037 69178 97937 56113 30517 24258
04803 29600 45953 79647 07398 44355 51592 59922 28919 76843
22878 75082 96851 76306 84105 04539 70986 68920 91359 50141
37020 35610 03078 77811 42072 09229 78303 57025 43809 62180
06919 24243 46589 29026 87698 06967 14002 69860 52425 98120
34810 93094 90240 52431 12216 27318 80750 15271 50346 40574
95071 66702 32342 35394 75119 35638 51962 19102 08934 29177
34136 96775 66272 66155 69305 90201 06963 99491 60925 66954
73841 41645 09852 09567 30776 55658 32977 88806 62528 24098
35496 07034 61416 98868 73492 24077

15872/14972/13872 kHz, 29-04, 1800/1820/1840 UTC

04932 00231 46267 38799 33475 41898 13482 05140 41239 01889
48069 57211 69540 96774 12780 24516 11152 81785 99344 02429
05184 13354 26111 42292 65516 35632 00216 46881 93902 51772
68980 43967 03910 03033 15012 93450 23305 67313 64011 85903
20215 07422 46358 23777 42480 38990 21376 00011 81288 01344
05168 04357 80189 95413 33252 63582 12489 08155 49000 18273
51398 10806 59776 76541 05219 14045 35913 55556 55023 35779
52986 55389 74354 12156 29551 62898 12891 90888 51149 35803
42521 66113 77380 20338 52522 27644 52876 71104 03540 49697
85879 71781 06011 79408 51106 38301 30863 26128 36586 94108
15404 29930 54180 33289 08293 88697 62831 72340 88697 48764
62412 82754 69920 54179 84296 63574 40385 72468 09128 32068
88550 14724 65158 92247 99017 19802 28465 83409 36957 19207
15928 66209 92736 95499 43449 96285 42099 51032 81958 48437
45015 84338 59800 87855 20147 38350 76110 67883 62624 44557
45076 25455 24943 70247 85968 36592 93642 95529 84031 69054
80490 85968 40673 89829 31877 37191 38290 76492 81719 64252
89445 33564 63560 77499 13225 62442 69771 90591 28135 04509
40592 82107 78463 14222 86548 92269 83748 72656 32026 98122
25300 09606 59418 47752 14644 81213 10801 66999 41793 19020
60811 66236 44165 41847 13928 46437 38626 02289 20011 82594
47355 63104 49350 79888 76184 72416 07250 73425 34212 90645
93613 08660 96448 81787 94311 93803 58041 38196 81663 25633
63928 29535 86766 25740

19372/18291/17453 kHz, 1700/1720/1740 UTC

19372/18291/17453 kHz, 02-04, 1700/1720/1740 UTC

01984 00001 00000 37661

19372/18291/17453 kHz, 07-04/09-04, 1700/1720/1740 UTC

00597 00225 55320 15675 81469 14889 44799 31517 27926 89929
10668 86225 50258 59876 73485 91723 03090 80965 52907 56395
79280 77491 93431 69928 97706 93701 93564 72953 68130 10513
94034 43117 95487 09934 49467 71969 25459 26761 03400 43910
04029 53984 84904 62015 00430 08504 67920 87890 75836 35480
86761 68239 77035 56482 59800 87204 61012 72197 88550 15325
20050 10777 22214 61813 15920 44854 15457 52119 83834 89004
06390 11533 98274 64952 12223 42767 34159 45339 75637 69829
58931 74470 24606 27849 82767 76391 55000 03913 98838 17136
20170 33452 40976 38553 66454 24960 10652 26820 19558 02621
85040 82598 43290 83046 64634 44146 99903 66947 81403 09686
16898 23083 18173 32690 48495 00359 06648 57029 97367 43511
13015 68683 05932 39700 15542 35567 99711 30959 15055 15616

39273 86130 48993 15602 02725 63590 90112 91152 05859 89779
06631 08748 74177 65128 62858 69634 86959 25572 94846 72279
46284 66051 39189 10842 84114 87778 05314 76906 45810 09763
14550 17577 79585 65449 74197 45910 55241 48574 23369 16891
28661 01795 39323 75163 52402 90299 92109 28662 54503 52840
62360 30048 49949 58900 07676 62197 96899 67510 08731 30303
34222 58531 58082 11304 13353 37043 21816 34343 22517 38560
83037 00602 23902 09835 15099 59932 64957 69520 29857 53436
35714 36438 48795 44317 95647 34762 00276 28590 31505 78600
70302 69871 65159 84682 58911 45179 27845 65264

19372/18291/17453 kHz, 14-04, 1700/1720/1740 UTC

04513 00001 00000 35255

19372/18291/17453 kHz, 16-04, 1700/1720/1740 UTC

06875 00001 00000 30266

19372/18291/17453 kHz, 21-04/23-04, 1700/1720/1740 UTC

05148 00177 31614 40475 18328 17490 21244 64715 55184 92465
80431 88198 06590 55055 56317 06229 36971 02297 01490 57641
75045 82701 76246 44493 22992 83205 56284 96918 41738 54704
27223 81367 79250 65881 58686 16773 00277 78701 74727 03016
87288 40314 59955 19992 13200 02221 37447 72272 86748 09266
47891 91607 76124 35280 15407 90503 41553 06553 50314 89223
32086 23458 60630 52829 09401 00632 00602 95472 35004 34338
80567 00329 36314 95694 36993 13318 92888 36032 79982 46026
06893 54920 71505 35100 37038 70068 40133 20058 85780 78034
02999 56515 83662 33688 46892 33001 37008 30473 79011 83329
39281 03831 72869 32271 88285 60434 29167 27165 80088 02612
79339 65550 44683 38439 56845 49105 55861 77044 89022 56447
33267 86865 46179 63008 77690 47792 23006 78607 92499 55526
03019 56768 57556 50177 91784 63468 50585 22625 60559 05644
21775 00485 30670 44006 30662 10340 77772 76569 81134 59015
86485 99210 83119 90785 88862 68837 36509 00713 04848 14616
23432 69966 64363 32785 09084 66350 42713 57288 76466 22239
21165 76655 22117 88277 31100 05255 11678 36817 18334 05326

19372/18291/17453 kHz, 28-04, 1700/1720/1740 UTC

03902 00001 00000 36653

19372/18291/17453 kHz, 30-04, 1700/1720/1740 UTC

01986 00001 00000 40661

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

16341/14841/13941 kHz, 03-04, 1100/1120/1140 UTC

07667 00001 00000 10140

16341/14841/13941 kHz, 07-04, 1100/1120/1140 UTC

02514 00001 00000 10140

16341/14841/13941 kHz, 10-04, 1100/1120/1140 UTC

09396 00001 00000 00140

16341/14841/13941 kHz, 14-04/17-04, 1100/1120/1140 UTC

01055 00068 30375 05640 90011 24173 40386 09247 85121 72470
73148 03837 09833 29919 19569 61607 11977 44213 12326 24243
69170 53552 24819 49919 37396 97516 83463 50602 61790 98370
76681 32288 37476 86158 26788 39686 39607 31240 42275 57047
25118 57386 14323 11188 66601 04955 49734 39440 61897 93394
43158 84322 49358 24879 33200 79297 36403 59060 84918 69100
18752 22918 48677 88376 78484 94028 40629 14940 99853 29783
20773

16341/14841/13941 kHz, 21-04/24-04, 1100/1120/1140 UTC

03947 00110 82357 83632 63134 29539 96545 09262 70978 97386
51083 41521 15864 66047 48861 89070 44125 39879 45526 64970
52662 45318 76409 60136 16352 88850 61290 38090 92463 17660
54771 05294 02830 55855 06160 13392 44985 56319 04196 83887
13996 43735 65532 66864 47665 88963 06509 88177 64989 67997
19619 89440 77069 07042 49747 87099 38468 71711 81701 56685
81641 65551 40459 47588 11475 39238 23003 48143 90298 39139
79075 24532 10194 16360 84524 12724 39780 33002 71974 32022
15986 62655 79091 87844 97728 88327 40379 00474 90591 66790
01773 74140 88509 71008 36882 49266 42773 08859 32587 93298
24563 40281 54819 71038 50824 66566 35797 32034 53834 58046
24196 76082 11222

16341/14841/13941 kHz, 28-04, 1100/1120/1140 UTC

01346 00001 00000 00140

20371/19125/18542 kHz, 0900/0920/0940 UTC

20371/19125/18542 kHz, 04-04, 0900/0920/0940 UTC

00714 00160 55851 04185 19133 33028 64722 76815 24916 01571
84879 36859 30651 84272 20488 32024 92263 11723 95659 46734
84946 13788 05774 31056 62756 29053 26288 12763 70391 10215
31422 95891 36903 82678 11426 42656 38832 51966 57271 02932
74923 47768 04538 31980 74688 86231 63768 01677 41541 57042
89171 49523 14972 28115 86876 10460 37625 27932 62503 43746
37513 91561 43132 43904 54812 87164 36420 06904 60837 70696
73815 58692 80203 27761 27437 45998 17108 01370 25049 16652
83117 82898 93764 68817 12980 29198 70072 35655 07329 70950
58040 67781 69867 49699 24317 89802 70312 32849 68628 49572
86564 72422 03933 58674 43956 64801 64957 88316 62201 39456
85551 17931 45528 73594 15504 89242 78829 51693 78016 32891
71721 04828 74966 20933 81690 29996 24455 04284 22031 21144
56284 84205 37262 11884 15950 29554 05563 34875 83865 00976
50069 45092 06620 92152 62405 47584 71832 22862 80501 51577
64830 34236 21833 42916 81523 76344 60193 37498 16116 06893
05190 24399 16772

20371/19125/18542 kHz, 09-04/11-04, 0900/0920/0940 UTC

00766 00130 00002 32561 87792 78127 76198 56885 83619 46334
67537 76983 45307 44819 11427 26050 98277 30422 35430 91055
15916 66810 53350 85474 24517 47566 39745 13347 85550 01929
27346 23197 70239 35228 25242 89721 61385 46142 25403 26480
23106 34065 32202 54861 70604 28304 46892 39204 95295 42068
69659 80072 54344 54783 10532 15268 98569 40329 09956 90488
38746 30521 42404 15896 90840 21709 59102 11135 88240 18938
99655 61450 82244 84877 70620 78774 18847 97706 76669 79375
64669 48481 63569 93047 54846 34009 46783 99498 88586 55398
85681 98041 84794 80838 21543 52895 31069 79556 67389 11885
09743 82809 81087 44722 50836 00829 96890 66676 30627 66558
77719 94825 43241 07209 64671 90434 32879 52484 28972 94778
80281 02378 52200 25445 19608 20121 89676 11470 37423 58557
37165 27079 16425

20371/19125/18542 kHz, 16-04, 0900/0920/0940 UTC

Null message, barely audible

20371/19125/18542 kHz, 18-04, 0900/0920/0940 UTC

07781 00001 00000 10140

20371/19125/18542 kHz, 23-04, 0900/0920/0940 UTC

05770 00001 00000 10140

20371/19125/18542 kHz, 25-04, 0900/0920/0940 UTC

09778 00001 00000 10140

20371/19125/18542 kHz, 30-04, 0900/0920/0940 UTC

00667 00060 86809 86490 37941 00724 88462 83701 51768 63870
04845 36188 17811 35003 34834 06692 53126 20734 45854 05116
54479 32823 52692 15033 82336 06435 96014 33260 99909 44823
14331 89225 15943 85015 68370 29771 30875 14320 84744 81975
62117 55461 75032 27083 78643 37463 95773 84774 49712 28405
84075 27598 27396 92599 46774 88971 00462 16952 33222 77566
95204 25668 05670

15881/14481/13381 kHz, 1500/1520/1540 UTC

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

04744 00001 00000 36660

16342/17454/18345 kHz, 0700/0720/0740 UTC

16342/17454/18345 kHz, 06-04/08-04/13-04/15-04, 0700/0720/0740 UTC

00748 00532 31248 06648 25890 38269 63002 34240 85900 90146
35155 65076 93454 00270 11722 76485 88708 38542 85332 95266
92004 70627 89350 71542 32084 23154 81624 74002 77739 93418
77188 64746 87825 29803 34835 21275 68562 20798 44463 75132
97670 73912 42373 73133 97823 14667 20188 73455 14447 61568
23786 13361 66929 33206 12276 97854 27211 27707 90481 77333
22162 39604 94929 38505 46248 81745 29651 79488 28642 56749
50071 25914 19614 24278 55390 25794 34454 88043 07980 58176
75073 30296 70684 02953 91250 18467 40773 76303 74034 63212
07659 76929 95917 42979 93779 02969 04377 91218 59915 63234
71906 40146 14660 48656 85816 26464 17137 57291 67249 20902
33559 26392 87003 38008 90681 11697 27380 43533 73097 63076
00620 43749 91833 56978 97289 74936 63088 43985 98859 87747
87332 98119 77011 17764 20562 11448 71430 83408 78772 82589
44046 74368 97314 32770 65856 22101 45186 76275 97135 81743
90759 47147 53523 10448 57299 11811 66348 78876 57684 26125
02618 56082 98481 91352 34410 80074 39006 71654 76541 69350
01709 55887 43234 13522 22046 71960 75971 06007 28923 35933
51887 51813 19794 36637 57675 16286 63276 42075 71317 53686
82383 95678 91681 40201 94623 20673 52952 46370 84843 81092
10720 10206 08253 39104 14483 64658 77924 84147 72615 60947
55411 76303 27430 81068 41755 33886 97296 07910 24165 64032
89337 48650 86949 12674 55985 05541 69367 08430 92092 43992
12103 92619 35394 89927 21340 69486 04154 91584 28557 05143
98867 08281 82271 35627 26124 31805 57356 81531 65532 85098
50961 54271 02467 13356 93632 17804 19417 58174 60841 19577
66364 09638 45529 47872 80498 21798 71921 72864 14220 76797
13991 59282 27346 04441 88195 41069 97467 06722 08053 62978
05406 72712 86070 14364 11317 44281 58563 78758 09110 77918
69620 63910 24291 89778 86802 31783 94457 80158 01057 71903
57765 54260 84699 84375 65861 75848 48134 76850 68092 38473
45883 78628 18347 02809 82206 70779 86872 34996 08681 30040
34583 09189 15908 30998 32301 58052 08532 46793 13594 75581
22603 75410 84288 16257 99229 21761 14577 75862 05915 86203
61738 13167 78721 00513 07446 73885 73218 89478 88247 82603
03804 55650 91875 52304 52693 00709 84319 75628 04617 28414
59168 13584 10583 59617 69107 66998 55464 43446 13016 28952
99132 90444 62211 15671 38682 12506 21000 33121 87436 10439
71020 35201 20036 42100 71242 90122 57880 89086 50873 35952
61510 32123 24873 07702 81386 90176 07572 50467 22288 45974
76168 70627 25870 76111 64015 03991 66935 52240 00103 12579
04089 63906 22234 25051 12890 42851 36726 20479 03932 50703

23434 79963 60550 73151 98437 78742 18184 31771 70334 40962
31295 39945 18433 57120 35011 32286 31945 03863 70815 33508
55134 14661 39221 94267 42985 16552 90279 00651 33157 16555
84901 77341 76807 58556 51172 35125 63801 17496 74143 12700
12354 19145 14666 92309 15485 30070 83637 22038 54408 79032
31015 35709 77325 90114 05095 10327 26741 78479 40005 41877
33939 74978 12506 01770 55424 07256 79478 87412 60661 51106
33880 68309 27390 28866 40687 85921 55432 55809 67058 90061
86250 37175 84260 14276 92007 20537 57159 88268 04912 77395
68152 11690 54166 09487 53064 46708 01627 34245 98882 41138
97597 92279 04495 68179 09471 47984 34583 15674 05759 46197
23358 90421 69324 90036 21736

16342/17454/18345 kHz, 20-04, 0700/0720/0740 UTC

09103 00001 00000 10040

16342/17454/18345 kHz, 22-04, 0700/0720/0740 UTC

05139 00001 00000 10140

16342/17454/18345 kHz, 27-04, 0700/0720/0740 UTC

05299 00001 00000 10140

16342/17454/18345 kHz, 29-04, 0700/0720/0740 UTC

09179 00001 00000 10140

19286/18395/17437 kHz, 0910/0930/0950 UTC

19286/18395/17437 kHz, 06-04, 0910/0930/0950 UTC

04370 00001 00000 10140

19286/18395/17437 kHz, 08-04, 0910/0930/0950 UTC

04242 00001 00000 10140

19286/18395/17437 kHz, 13-04, 0910/0930/0950 UTC

06757 00001 00000 10140

19286/18395/17437 kHz, 15-04, 0910/0930/0950 UTC

08255 00001 00000 10140

19286/18395/17437 kHz, 20-04, 0910/0930/0950 UTC

02736 00164 22098 96734 55542 41262 44159 23593 77415 66456
68509 44013 66069 70548 59659 42740 93892 28727 18253 76603
72529 46358 92533 91173 56415 89516 48154 92807 90524 32458
21207 09108 66191 50306 37170 52480 30675 04826 04266 51280
53162 79286 85355 18704 96452 81914 02863 84045 23538 89514
41883 90189 89626 63007 66172 69017 36057 34358 24187 00561
21813 61262 49630 96134 94623 49993 26612 16345 79400 24085
70440 54955 14921 96762 95729 50405 65835 68977 51892 28848
08266 64402 88812 41556 41808 56799 10795 85080 03690 61873
39151 05958 19351 95821 63202 03039 38033 71847 98316 31457
61808 85628 31743 96300 18018 76364 52299 66969 26881 49056
02127 95149 66258 75889 64534 77895 19742 51350 51462 22108
73135 12020 02084 28285 44605 72900 05727 15238 76705 80684
23095 54151 28900 95260 49882 75438 92312 06047 10101 32875
48563 20012 38564 90635 86968 25355 04365 71196 68560 26884
63688 58448 06172 87909 42137 26646 41289 44177 14184 60237
41582 49324 94059 67914 61938 22223 05640

19286/18395/17437 kHz, 27-04, 0910/0930/0950 UTC

09705 00001 00000 10140

19286/18395/17437 kHz, 29-04, 0910/0930/0950 UTC

06489 00001 00000 10140

18036/16201/15862 kHz, 1500/1520/1540 UTC

18036/16201/15862 kHz, 11-04, 1500/1520/1540 UTC

09653 00238 13387 28556 69223 06639 94526 49066 05295 49438
36068 84170 54166 92263 67922 56507 27232 84999 73912 36649
72656 60082 13703 64787 89569 06286 16091 75134 94543 34188
95016 84442 39184 12741 36202 15211 86661 91165 39478 67761
00632 70029 69855 63057 37876 12581 61388 91506 22884 20192
53872 07931 40137 72780 71174 52009 39141 18002 84792 50716
89780 08849 64338 43156 25517 03403 19527 91879 74810 80066
22257 67870 50650 81449 54906 57812 36714 80687 57429 55049
54080 99498 20354 24842 49391 99789 21800 15808 92783 10413
94303 00368 74420 55033 43349 33807 84223 72204 07579 92571
49546 10394 54342 55183 86182 99738 00157 70712 50791 65536
79974 11443 62634 98851 61210 28995 42133 50659 25075 27431
99890 21365 77852 18794 61433 78677 21305 31422 28686 56550
96796 32666 39611 07048 08683 44681 19750 06443 34227 10372
77450 59823 70168 93727 62750 28257 33270 53528 17305 45544
08655 77765 96256 31405 17448 22494 05060 59667 81818 14029
62035 61892 60574 82924 01996 81543 33958 52078 13418 20134
39035 56124 53741 08496 45379 63475 81702 53199 59403 17858
74375 38256 96651 42654 94832 37538 95583 00127 66058 88222
86591 85472 70806 16158 84913 36331 67023 77471 66703 13881
49705 43610 66553 98834 05718 35373 78715 85860 26493 11127
80826 09261 26942 78295 36650 90395 36357 83846 38170 96449
28811 95204 39818 36258 23625 67397 10275 44169 49161 31180
99042 46993 79635 79054 35714 99871 43558 95119 69233 87802
76256

18036/16201/15862 kHz, 13-04, 1500/1520/1540 UTC

04125 00001 00000 34256

18036/16201/15862 kHz, 18-04, 1500/1520/1540 UTC

06418 00001 00000 37257

18036/16201/15862 kHz, 20-04/25-04, 1500/1520/1540 UTC

05233 00085 31161 34240 29595 16819 43946 83091 17172 31243
03522 29397 24451 42012 25119 79578 48873 49163 06544 83208
46705 57096 98158 94195 62157 41940 48020 35643 14254 37258
29062 80193 80541 50322 90029 80647 90294 17324 33325 70443
76810 47730 25273 35100 29480 08093 76941 36786 80203 55879
56948 27193 52630 84224 70335 32816 91752 28788 38484 28930
94284 63752 14550 00447 55629 84620 73234 93495 85057 32197
13202 40507 35119 26298 06766 02639 31758 88607 15492 79489
09689 03102 90979 82889 98756 45322 46693 40625

18036/16201/15862 kHz, 27-04, 1500/1520/1540 UTC

02842 00001 00000 36256

XPB1

Tue + Fri

20038 kHz, 03-04/07-04./10-04/14-04/17-04/21-04/24-04/28-04, 1300 UTC
19538 kHz, 03-04/07-04./10-04/14-04/17-04/21-04/24-04/28-04, 1310 UTC
18268 kHz, 03-04/07-04./10-04/14-04/17-04/21-04/24-04/28-04, 1320 UTC
17468 kHz, 03-04/07-04./10-04/14-04/17-04/21-04/24-04/28-04, 1330 UTC
16268 kHz, 03-04/07-04./10-04/14-04/17-04/21-04/24-04/28-04, 1340 UTC
15868 kHz, 03-04/07-04./10-04/14-04/17-04/21-04/24-04/28-04, 1350 UTC

Thu + Fri

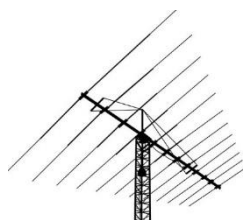
19517 kHz, 02-04/03-04/09-04/10-04/16-04/17-04/23-04/24-04/30-04, 0500 UTC
 19317 kHz, 02-04/03-04/09-04/10-04/16-04/17-04/23-04/24-04/30-04, 0510 UTC
 18217 kHz, 02-04/03-04/09-04/10-04/16-04/17-04/23-04/24-04/30-04, 0520 UTC
 17417 kHz, 02-04/03-04/09-04/10-04/16-04/17-04/23-04/24-04/30-04, 0530 UTC
 16317 kHz, 02-04/03-04/09-04/10-04/16-04/17-04/23-04/24-04/30-04, 0540 UTC
 15817 kHz, 02-04/03-04/09-04/10-04/16-04/17-04/23-04/24-04/30-04, 0550 UTC

Mon + Tue

19517 kHz, 06-04/07-04/13-04/14-04/20-04/21-04/27-04/28-04, 0500 UTC
 19317 kHz, 06-04/07-04/13-04/14-04/20-04/21-04/27-04/28-04, 0510 UTC
 18217 kHz, 06-04/07-04/13-04/14-04/20-04/21-04/27-04/28-04, 0520 UTC
 17417 kHz, 06-04/07-04/13-04/14-04/20-04/21-04/27-04/28-04, 0530 UTC
 16317 kHz, 06-04/07-04/13-04/14-04/20-04/21-04/27-04/28-04, 0540 UTC
 15817 kHz, 06-04/07-04/13-04/14-04/20-04/21-04/27-04/28-04, 0550 UTC

X--

13392 kHz, 14-04, 1506 UTC

**DIPLOMATIC STATIONS****Diplomatic stations: Bulgaria**

9375 kHz, 01-04, 0724 UTC, RFSM-8000	Bulgarian diplo
14755 kHz, 01-04, 0828 UTC, RFSM-8000	Bulgarian diplo
18455 kHz, 01-04, 1301 UTC, RFSM-8000	Bulgarian diplo
17440 kHz, 03-04, 0850 UTC, RFSM-8000	Bulgarian diplo
13364 kHz, 14-04, 1238 UTC, RFSM-8000	Bulgarian diplo
8045 kHz, 23-04, 0723 UTC, RFSM-8000	LTK: MFA Sofia wkg Bulgarian embassy Kiev. QSX 9070 kHz
8050 kHz, 24-04, 0652 UTC, RFSM-8000	LGA: MFA Sofia wkg Bulgarian Consulate Istanbul. QSX 8189 kHz
8189 kHz, 24-04, 0652 UTC, RFSM-8000	HOF: Bulgarian consulate Istanbul wkg MFA Sofia. QSX 8050 kHz
9070 kHz, 23-04, 0723 UTC, RFSM-8000	AID: Bulgarian embassy Kiev wkg MFA Sofia. QSX 8045 kHz
13365 kHz, 24-04, 1222 UTC, RFSM-8000	KSA: MFA Sofia wkg Bulgarian embassy Berlin. QSX 13955 kHz
13955 kHz, 24-04, 1222 UTC, RFSM-8000	LZZ-5: Bulgarian embassy Berlin wkg MFA Sofia. QSX 13365 kHz
13962 kHz, 30-04, 0825 UTC, RFSM-8000	DMZ: Bulgarian embassy Beyrouth wkg MFA Sofia. QSX 13974 kHz
13974 kHz, 30-04, 0825 UTC, RFSM-8000	COD: MFA Sofia sending a zip-file with encrypted files (BEY11444.NHH etc) to Bulgarian embassy Beyrouth. QSX 13962 kHz
14790 kHz, 29-04, 1255 UTC, RFSM-8000	ORB: MFA Sofia wkg Bulgarian embassy Paris. QSX 14796 kHz
14796 kHz, 29-04, 1255 UTC, RFSM-8000	DOK: Bulgarian embassy Paris wkg MFA Sofia. QSX 14790 kHz

Diplomatic stations: Egypt

18051.7 kHz, 04-04, 1424 UTC, SITOR-A 100/170	MFA Cairo clg RCVB: Egyptian embassy Washington
18050.0 kHz, 04-04, 1426 UTC, CODAN	99901: MFA Cairo wkg 66601: Egyptian embassy Washington
16067.7 kHz, 15-04, 1555 UTC, SITOR-A 100/170	MFA Cairo clg RCVB: Egyptian embassy Washington
16066.0 kHz, 15-04, 1556 UTC, CODAN	99901: MFA Cairo wkg 66601: Egyptian embassy Washington
16067.7 kHz, 15-04, 1606 UTC, SITOR-A 100/170	MFA Cairo clg RCVB: Egyptian embassy Washington
16033.0 kHz, 05-04, 1140 UTC, CODAN	99901: MFA Cairo clg unid embassy
18050.0 kHz, 01-04, 1250 UTC, CODAN	44405: Egyptian embassy Islamabad
18050.0 kHz, 01-04, 1305 UTC, CODAN	44406: Egyptian embassy Delhi

Diplomatic stations: North Korea

14200 kHz, 01-04, 1230 UTC, DPRK-ARQ 600/600 LSB
14150 kHz, 01-04, 1230 UTC, DPRK-ARQ 600/600 LSB
14200 kHz, 02-04, 0735 UTC, DPRK-ARQ 600/600 LSB
14350 kHz, 14-04, 0704 UTC, DPRK-ARQ 600/600 LSB
13800 kHz, 25-04, 0650 UTC, DPRK-ARQ 600/600 LSB

14300 kHz, 25-04, 0650 UTC, DPRK-ARQ 600/600 LSB
17140 kHz, 27-04, 1230 UTC, DPRK-ARQ 600/600 LSB
18650 kHz, 27-04, 1230 UTC, DPRK-ARQ 600/600 LSB
15555 kHz, 30-04, 0800 UTC, DPRK-ARQ 600/600 LSB
14250 kHz, 30-04, 0800 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Vienna wkg DPRK embassy Moscow. QSX 14150 kHz
DPRK embassy Moscow 5FG message to DPRK embassy Vienna.
DPRK embassy Moscow wkg DPRK embassy Prague
DPRK embassy Moscow wkg DPRK embassy Warsaw
DPRK embassy Sofia wkg DPRK embassy Moscow. QSX 14300 kHz
Q SX 14200,13850,14210 kHz. Several freq changes
DPRK embassy Moscow wkg DPRK embassy Sofia. QSX 13800 kHz
DPRK embassy Moscow wkg DPRK embassy Rome
DPRK embassy Rome wkg DPRK embassy Moscow. QSX 17140 kHz
DPRK embassy Bucharest wkg DPRK embassy Moscow. QSX 14250 kHz
DPRK embassy Moscow wkg DPRK embassy Bucharest. QSX 15555 kHz

Diplomatic stations: Russia

15959 kHz, 01-04, 0818 UTC, MFSK-66
14631 kHz, 01-04, 0822 UTC, MFSK-6
18245 kHz, 01-04, 1223 UTC, MFSK-6
16115 kHz, 01-04, 1113 UTC, MFSK-6
14568 kHz, 03-04, 0809 UTC, MFSK-66
13556 kHz, 03-04, 0815 UTC, MFSK-6
14698 kHz, 03-04, 1259 UTC, MFSK-66
14720 kHz, 03-04, 1317 UTC, MFSK-6
13481 kHz, 05-04, 0650 UTC, MFSK-6
14812 kHz, 06-04, 1513 UTC, MFSK-6
15989 kHz, 07-04, 0746 UTC, MFSK-6
16188 kHz, 07-04, 0851 UTC, MFSK-6
16153 kHz, 09-04, 0812 UTC, MFSK-6
15710 kHz, 12-04, 0915 UTC, MFSK-6
14871 kHz, 13-04, 0805 UTC, MFSK-6
16117 kHz, 13-04, 0931 UTC, MFSK-6
11025 kHz, 14-04, 1146 UTC, MFSK-6
16115 kHz, 15-04, 1119 UTC, MFSK-6
16103 kHz, 16-04, 0921 UTC, MFSK-6
10954 kHz, 21-04, 0801 UTC, MFSK-66
13401 kHz, 21-04, 0840 UTC, MFSK-66
13401 kHz, 21-04, 0846 UTC, MFSK-6
14812 kHz, 22-04, 0808 UTC, MFSK-6
16116 kHz, 22-04, 0906 UTC, MFSK-6
15810 kHz, 26-04,1034 UTC, MFSK-6
14683 kHz, 27-04, 1215 UTC, MFSK-6
13420 kHz, 28-04, 0805 UTC, MFSK-6
16221 kHz, 30-04, 1100 UTC, MFSK-6

Russian diplo
MFA Moscow clg 362154: Russian embassy Athens
MFA Moscow clg 231654: Russian embassy Abuja
MFA Moscow clg 215346: Russian Consulate General Mumbai
Russian diplo
MFA Moscow clg 324615: Russian embassy Madrid
Russian diplo
MFA Moscow clg 241563: Russian Consulate General Karachi
MFA Moscow clg 452163: Russian embassy Kabul
MFA Moscow clg 246531: Russian embassy Accra
MFA Moscow clg 125643: Russian embassy Ulaanbataar
MFA Moscow clg 325614: Russian embassy Nairobi
MFA Moscow clg 153624: Russian embassy Damascus
MFA Moscow clg 261453: Russian embassy Cairo
MFA Moscow clg 156234: Russian embassy Kampala
MFA Moscow clg 463125: Russian embassy Rabat
MFA Moscow clg 612534: Russian embassy Ashgabat
MFA Moscow clg 215346: Russian Consulate General Mumbai
MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
Russian diplo
Russian diplo
MFA Moscow clg 154263: Russian embassy Rome
MFA Moscow clg 263145: Russian embassy Prague
MFA Moscow clg 134265: Russian embassy Tunis
MFA Moscow clg 145632 : Russian embassy Algiers
MFA Moscow clg 341265 Russian embassy New Dehli
MFA Moscow clg 534216: Russian embassy Baghdad
MFA Moscow clg 341265: unid embassy

Below Rycat's unedited X06/M42 report.

15-04-2026 ABUJA

PSK2400 OFDM-121(122)

12:29:23 - 12:34:37 16103 khz X06 Abuja 231654

PSK-2400 and OFDM-121(122) followed, but I was only able to get one freq:

12:35:53 - 12:36:32 16102 kHz PSK2400 Scanner bursts Moscow

12:36:32 - 12:38:27 16102 kHz PSK2400 "Heartbeats" Moscow

This contact was made with the tx that has 300 Hz hum. 3 phase rectified mains, $(50 \times 2) \times 3 = 300$

15-04-2026 AMMAN

Serdolik

15:26:45-15:27:36 15917 kHz tone call (reversals) Moscow --> Amman

15:27:46-15:28:36 12183 kHz tone call (reversals) Moscow --> Amman

15:28:48-15:29:2? 11503 kHz tone call (reversals) Moscow --> Amman

15:30:00-15:30:15 14728 kHz tone call (wide reversals) Amman --> Moscow (strong audio frequency subharmonics)

15:30:56-15:31:40 15920 kHz Serdocall Moscow --> Amman

15:31:29-15:31:53 14725 kHz tone call (reversals) Amman --> Moscow

15:31:53-15:36:07 15917 kHz Serdolik Moscow --> Amman 200 bit/s*

15:31:55-15:32:07 13407 kHz tone call (reversals) Amman --> Moscow

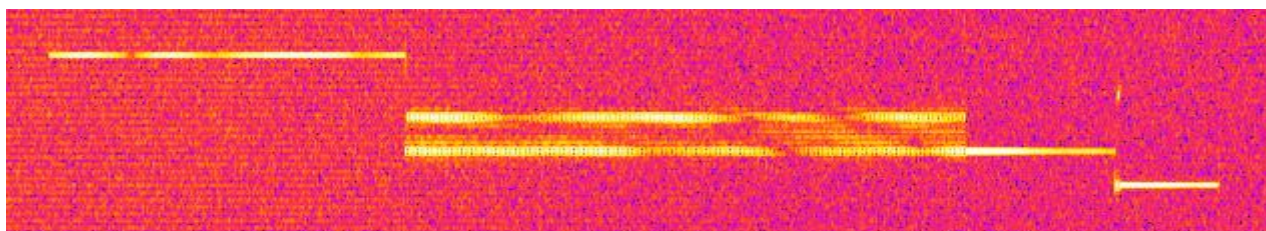
15:32:06-15:34:43 14725 kHz Serdolik Amman --> Moscow 200 bit/s (strong audio frequency subharmonics)

15:34:43-15:35:34 14725 kHz Serdolik Amman --> Moscow 400 bit/s (strong audio frequency subharmonics)

15:37:17-15:38:10 15920 kHz Serdolik call Moscow --> Amman

15:38:06-15:38:32 14725 kHz tone call (reversals) Amman --> Moscow

15:38:25-15:38:42 12186 kHz ??? Moscow --> Amman ↴



15:38:34-15:38:57 13407 kHz tone call (reversals) Amman --> Moscow

15:38:51-15:43:33 12183 kHz Serdolik Moscow --> Amman 200 bit/s

15:39:09-15:43:46 13407 kHz Serdolik Amman --> Moscow 200 bit/s

15:44:30-15:47:01 13548 kHz X06 214356 Moscow --> Amman (distorted)

15:46:03-15:46:41 14728 kHz tone call (wide reversals) Amman --> Moscow (strong audio frequency subharmonics)

15:46:43-15:46:41 13410 kHz tone call (wide reversals) Amman --> Moscow

15:48:01-15:48:41 14728 kHz tone call (wide reversals) Amman --> Moscow (strong audio frequency subharmonics)

15:48:41-15:49:22 13410 kHz tone call (wide reversals) Amman --> Moscow

15:48:43-15:49:33 15917 kHz tone call (reversals) Moscow --> Amman

15:49:37-15:49:53 14725 kHz tone call (reversals) Amman --> Moscow (strong audio frequency subharmonics)

15:49:43-15:50:18 12183 kHz tone call (reversals) Moscow --> Amman

15:50:??-15:53:23 16242 kHz Serdolik Amman --> Moscow 200 bit/s

15:51:05-15:53:11 15686 kHz Serdolik Moscow --> Amman 200 bit/s

note that there is some confusion between 15916 and 15917, possible due to some frequency drift during time machine recovery (or just plain old fat fingers)

OTHERS:

06-04-2026 1513z 14812 kHz X06 Accra "246531"

20-04-2026 1532z 17810 kHz X06 Lusaka "641523"

27-04-2026 1216z 14683 kHz X06 New Delhi "364152"

Diplomatic stations: Tunisia

16285 kHz, 13-04, 0608 UTC, MIL-STD 188-141A STAT16: Tuniasian embassy Riyadh clg STAT155: MFA Tunis
18295 kHz, 13-04, 0600 UTC, MIL-STD 188-141A STAT16: Tuniasian embassy Riyadh clg STAT155 MFA Tunis

Diplomatic stations: U.S.A.

20810.6 kHz, 01-04, 0759 UTC, Mil-STD-188-141A KWR98: Unid US embassy [CMD AMD: "^: P,-^T5R9679E9"!T97-T"]
11168.6 kHz, 01-04, 1113 UTC, Mil-STD-188-141A KWA37: US Permanent Mission to the UN, Geneva clg KWT91: US embassy Berlin
[CMD AMD: "^: '7E'96YE=F\$@9&!;F<@<:6\@8V"]
6902.6 kHz, 01-04, 1340 UTC, Mil-STD-188-141A KWS90: US embassy Budapest sounding
5748.6 kHz, 01-04, 1341 UTC, Mil-STD-188-141A KWS90: US embassy Budapest clg KWS91: US embassy Ljubljana



SPECIAL PURPOSE RADIO STATIONS

Russian presumed PSYOP / Propaganda stations

5260 kHz, 07-04, 1715 UTC Music loop
5360 kHz, 07-04, 1715 UTC Music loop
6250 kHz, 07-04, 1715 UTC Music loop

5260.kHz, 09-04, 1740 UTC Music loop
5360 kHz, 09-04, 1740 UTC Music loop
6250 kHz, 09-04, 1740 UTC Music loop

5260.kHz, 15-04, 1700 UTC Music loop
5360 kHz, 15-04, 1700 UTC Music loop
6250 kHz, 15-04, 1700 UTC Music loop

5260.kHz, 16-04, 1820 UTC Music loop
5360 kHz, 16-04, 1820 UTC Music loop
6250 kHz, 16-04, 1820 UTC Music loop

Radio war

7055 kHz, 12-04, 1515 UTC Various stations on top of other. Insulting Russians and Putin.
7055 kHz, 14-04, 1705 UTC Loop transmission
7055 kHz, 16-04, 1613 UTC Music

Jammed radio stations

5860 kHz, 11-04, 1715 UTC Radio Farda jammed by Iran
9360 kHz, 11-04, 1715 UTC Radio Farda jammed by Iran
5860 kHz, 14-04, 1658 UTC Radio Farda jammed by Iran
9360 kHz, 29-04, 1551 UTC. Radio Farda jammed by Iran

Pirate stations

9041.5 kHz, 30-03, 1047 UTC, USB. Presumed pirate station. Logged by Subilo

Female English voice, American Southern accent:

One, two, three, four.

Thirteen, fourteen, fifteen.

Five, six, seven, eight.

Nine, ten, eleven, twelve.

Repeating in a loop until 1058z.



UTILITY ROUND-UP

Unid stations

7117.1 kHz, 23-04, 2205 UTC, CW. Heard in Japan. Logged by JPL.

The station sent 245603 over and over.



RUSSIAN MILITARY

Morse transmissions

13367 kHz, 03-04, 1154 UTC, i.p.

21080 42560 80215 03018 K

13367 kHz, 03-04, 1210 UTC

1CG2 DE CQVF ZUP ZFV ZIP ZSV ZFN ZXH QRU1 QY04 ZWY ZWY K

14412 kHz, 03-04, 1319 UTC

RDL RDL RDL 22634 27117 22634 27117 22634 27117 K

14412 kHz, 03-04, 1329 UTC

RDL RDL RDL 09432 85225 09432 85225 09432 85225 K

7851 kHz, 17-01, 1101 UTC

HZLJ DE THS6 K

RPT K

5

RK

VM1Q DE THS6 K

VM1Q DE THS6 K

RK

1J2S DE THS6 K

RPT K

1J2S DE THS6 K

RK

YZBL DE THS6 K

RK

VTDN DE THS6 K

RK

E3M5 D 3V 5 5

E3M5 DE THS6 K

RK

KRHS DE THS6 K

RPT K

RK

4621 kHz, 11-04, 0335 UTC

РГТ77 457 = ВУЮКЙ КМЗНО ДБКЛЯ ЛЫЙХЯ ДБКЛЯ ЛЫЙХЯ ДБКЛЯ ЛЫЙХЯ ГЮЗХЯ ЕБНАЙ ЕШЮМБ ОЫИЗА ЯЯПЯВ = К

7521 kHz, 11-04, 0909 UTC

РГТ77 961 = ВУЮКЙ ПЙДЮБ ЪВФДЕ ШГТХР ЪВФДЕ ШГТХР ЪВФДЕ ШГТХР ВЯЦНХ БЬПФЛ ТЦЗАШ ЦНЧЙЫ ЩЕМЮА ЯЯПЯЕ = К

10683 kHz, 11-04, 1240 UTC

РГТ77 954 = ВУЮКЙ АПУЗД ЗПЧОВ ЙЖПЫД ЗПЧОВ ЙЖПЫД ЗПЧОВ ЙЖПЫД ЩЬЩПБ ШНЖЫО УЬКЧЮ НМЖЖХ ЯЯПЯВ = К

6351 kHz, 11-04, 1335 UTC

РГТ77 283 = ВУЮКЙ ЫПДЦС ЮГНБМ ЛЬЛЫ ЮГНБМ ЛЬЛЫ ЮГНБМ ЛЬЛЫ ЪОЕНА ЪМПДП ЯЛЮЛУ ЩЖЛЙШ ЯЯПЯВ = К

6351 kHz, 11-04, 1545 UTC

РГТ77 ..4 = ВУЮКЙ ФМЯИХ ЮНФЕК ТИЦБП ЮНФЕК ТИЦБП ЮНФЕК ТИЦБП ЗВЗЦО ЛШУСЦ ФТЛФЦ ОЩЫУС ЯЯПЯВ = К

14621 kHz, 12-04, 1744 UTC

РГТ77 515 = ВУЮКЙ УБПЕЩ ЩЕКЙИ ЮДХМД ЩЕКЙИ ЮДХМД ЩЕКЙИ ЮДХМД ФГСЕЕ ВИПЫЩ ЮЫСМЩ ЙЕЙТП АДМНЩ ЯЯПЯЕ = К

????? kHz, 12-04, 2125 UTC

РГТ77 913 = СШЫЩБ ГИЫКЩ РЦББЙ СЗУТЮ РЦББЙ СЗУТЮ РЦББЙ СЗУТЮ РЦББЙ СЗУТЮ ЯЫОЦФ АВОЯД ЗЦЩЦТ ЯЕПЯЯ = К

4621 kHz, 13-04, 0034 UTC

РГТ77 322 = СШЫЩБ МСЖАП ЕПЖКС ГТБЙМ ЕПЖКС ГТБЙМ ЕПЖКС ГТБЙМ ЦПЮЩЮ ЖТЫЦЗ ЙУЬНЩ ЫЩУЯЯ ЯЕПЯВ = К

4181 kHz, 13-04, 0244 UTC

РГТ77 566 = СШЫЩБ ОЖЬГО НОЩЦО ЗТЬДЬ НОЩЦО ЗТЬДЬ НОЩЦО ЗТЬДЬ ФГЦХА ЩЕИГБ ШТРПИ ФДХЩЙ ЯЕПЯВ = К

3331 kHz, 13-04, 0345 UTC

РГТ77 830 = СШЫЩБ ЦЯЙЛЩ ЛВИША ЧЬМЙЧ ЛВИША ЧЬМЙЧ ЛВИША ЧЬМЙЧ НДГДЗ ЧЛКВП ЪЗЕЩР ЖИЙДК ЯЕПЯВ = К

7521 kHz, 13-04, 0925 UTC

РГТ77 236 = СШЫЩБ ГЕАЦК УУЕПЫ ЯЙПЮБ УУЕПЫ ЯЙПЮБ УУЕПЫ ЯЙПЮБ ПЗЕБХ ОШФРЙ ЪЧЛГА СЧЬНА ЯЕПЯВ = К

6351 kHz, 13-04, 1124 UTC

РГТ77 889 = СШЫЩБ ЦЯОЙШ ЗГЙАЕ МХСГА ЗГЙАЕ МХСГА ЗГЙАЕ МХСГА ЯКРСЛ ЯШЙЗЗ ДЛДХЕ ЯЕПЯЯ = К

7521 kHz, 13-04, 1244 UTC

РГТ77 646 = СШЫЩБ МЧРЙП ЕЧСНЧ ДЬЦВЬ ЕЧСНЧ ДЬЦВЬ ЕЧСНЧ ДЬЦВЬ ЗИЩЭП ПХЬИЯ МУЖЕЬ ЙОЕДЖ ЯЕПЯВ = К

7521 kHz, 13-04, 1634 UTC

РГТ77 766 = СШЫЩБ ФАГЖБ ЕЮЫШУ ОГНЯЬ ЕЮЫШУ ОГНЯЬ ЕЮЫШУ ОГНЯЬ ЕЮЫШУ ОГНЯЬ ЯИКЪТ КЫЩАД ХХОЖЖ ХЮДЫЧ ЯЕПЯВ = К

7574 kHz, 13-04, 1815 UTC

РГТ77 878 = СШЫЩБ ПЕХЫВ ВГМДХ ЗЦОИИ ВГМДХ ЗЦОИИ ВГМДХ ЗЦОИИ НОЙУК ЩЯШФЗ НСИЖК ШЖЩФЙ ЯЕПЯВ = К

4621 kHz, 14-12, 2125 UTC

РГТ77 128 = МАНФЛ ШНМЮГ БДУГО АКЫЕЯ БДУГО АКЫЕЯ БДАГО АКЫЕЯ ЛРИЩЬ УМЕЧС ИЙЖЬС ПГТАУ ЯЫШЩЛ ЯТПЯЕ = К

4621 kHz, 14-04, 2158 UTC

РГТ77 207 = МАНФЛ ФХУХЬ ПМЛЦУ ЩЖЫИП ПМЛЦУ ЩЖЫИП ПМЛЦУ ЩЖЫИП ПМЛЦУ ЩЖЫИП НКЗФ ЖЮУЯТ ГЧРИТ ГИХЙС ЯТПЯВ = К

4621 kHz, 14-04, 0244 UTC

РГТ77 423 = МАНФЛ УУИМС ЮФПЯЬ ЙТУЦК ЮФПЯЬ ЙТУЦК ЮФПЯЬ ЙТУЦК ОЦГАИ ТХОЗБ ОИЗПТ ЕГВЦС ЯТПЯВ = К

3331 kHz, 15-04, 0344 UTC,

РГТ77 429 = МАНФЛ ЖДСФУ ЩОМФЖ ГЬСАЫ ЩОМФЖ ГЬСАЫ ЩОМФЖ ГЬСАЫ ДЮЮГТ ЗПУЯЗ СДРТЗ ДЮСКЩ ЯТПЯВ = К

7412 kHz, 15-04, 0835 UTC

РГТ77 817 = МАНФЛ ЪЫХЖФ УИАЙМ КЙТЙА УИАЙМ КЙТЙА УИАЙМ КЙТЙА ЮЗСЦФ ЮЛОХУ ВНЯЩ РФИЧУ АЦЗДЯ ЯТПЯЕ = К

6351 kHz, 15-04, 1103 UTC

РГТ77 129 = МАНФЛ ЮИФЬФ ЪЙЧСИ ГВЯЗЕ ЪЙЧСИ ГВЯЗЕ ЪЙЧСИ ГВЯЗА НХЮТО ФЫНВО ЛКМИГ ВГСРА ЯТПЯВ = К

6351 kHz, 15-04, 1245 UTC

РГТ77 770 = МАНФЛ ШПОВМ БЦЦТК ИФПЕЖ БЦЦТК ИФПЕЖ БЦЦТК ИФПЕЖ ФРСХГ ЕВУРЫ РГГЧМ ФГШЖЕ ЯТПЯВ = К

7521 kHz, 15-04, 1354 UTC

РГТ77 632 = МАНФЛ ЦЗХЯЗ ЦРДЩЗ КАБЯЦ ЦРДЩЗ КАБЯЦ ЦРДЩЗ КАБЯЦ ЕЦЗАР ЮКЛГК ВБАКЯ СШНТИ ЯТПЯВ = К

4621 kHz, 15-04, 1826 UTC

РГТ77 805 = МАНФЛ ЖДЦСТ ДПЕПТ ХЗПЮК ДПЕПТ ХЗПЮК ДПЕПТ ХЗПЮК НЙКБП УПУЗЕ АНАЦФ ГЪЗШФ ЧБННБ ЯТПЯЕ = К

7574 kHz, 15-04, 2053 UTC

РГТ77 738 = МАНФЛ ШСЛВА ЮРУОЙ ГФРСА ЮРУОЙ ГФРСА ЮРУОЙ ГФРСА АМЦИР МУЯЕС ФХЬЯШ ЕЧАЖА ЯТПЯВ = К

7521 kHz, 16-04, 0800 UTC

РГТ77 984 = ШИФАЛ ТЮУЩП СРТБН АРМВП СРТБН АРМВП СРТБН АРМВП ЩОЖЩД БАТЛО ШМЛСВ ПЗЗСП ЯЫПЯВ = К

7521 kHz, 16-04, 1200 UTC

РГТ77 384 = ДДДДД ФЖТСР ДТУВА ГШХНО ЮБЮИФ ГШХНО ЮБЮИФ ГШХНО ЮБЮИФ МПЫЦА ЯЕЧЕИ ЯДЦТЬ ДВЦЗН ЮКГЯШ ЯЫПЯР = К

4181 kHz, 16-04, 2000 UTC

РГТ77 470 = МММММ ФАЮБХ ЫФУНП ЯЮЩТР ТГБАЧ ЯЮЩТР ТГБАЧ ЯЮЩТР ТГБАЧ ССЗВН КЮМГЕ ЯЫПЯЯ = К

4621 kHz, 16-04, 2118 UTC

РГТ77 509 = ПЕВБД ЫВЖЧЙ ВЫВЮТ ПЙЕГЛ ВЫВЮТ ПЙЕГЛ ВЫВЮТ ПЙЕГЛ ХДСФС ФРАЩФ ЫЦЧВЕ ГРЕОП ЯУПЯВ = К

4621 kHz, 16-04, 2235 UTC

РГТ77 681 = ПЕВБД НДДМУ ЫБВЖТ АЩЗЖЗ ЫБВЖТ АЩЗЖЗ ЫБВЖТ АЩЗЖЗ АЦЙШЛ ЛШЧЕЙ БАШЦЕ ЕКОЙО ЯУПЯВ = К

3331 kHz, 17-04, 0045 UTC

РГТ77 454 = ПЕВБД УФЩБС ЧЧГДИ ПЮЫБА ЧЧГДИ ПЮЫБА ЧЧГДИ ПЮЫБА ЗАОФД ЧЮППР НУПИЦ МПБТО ЯУПЯВ = К

3331 kHz, 17-04, 0257 UTC

РГТ77 457 = ПЕВБД ХНРЙВ ЙСДФС ОДЬБЦ ЙСДФС ОДЬБЦ ЙСДФС ОДЬБЦ ГЩРСЛ РЮНЕР ЦЫЬЫК ЗВЮЕЦ ЯУПЯВ = К

10683 kHz, 17-04, 1255 UTC

РГТ77 577 = ПЕВБД ЫГДЧЛ ЯРЕЙЛ ДФЙЦШ ЯРЕЙЛ ДФЙЦШ ЯРЕЙЛ ДФЙЦШ АЙХЖА ИЕРФТ ШЯДДГ ЙЯПРУ ЯУПЯВ = К

6351 kHz, 17-04, 1344 UTC

РГТ77 871 = ПЕВБД НМЛЦБ АГПЦУ ИТИЫЙ АГПЦУ ИТИЫЙ АГПЦУ ИТИЫЙ ХФРДЧ ОЩЬАУ ЖЬИЕГ ЯРФРА ЯУПЯВ = К

6351 kHz, 17-04, 1552 UTC

РГТ77 361 = ПЕВБД АЦШНР ОЧВЙГ ЩЬЩВН ОЧВЙГ ЩЬЩВН ОЧВЙГ ЩЬЩВН ВЖКФГ ВВКНУ ЕЬЕСУ РЙТЗХ ЯУПЯВ = К

4621 kHz, 17-04, 1715 UTC

РГТ77 168 = ПЕВБД ЯЧОЖП РНСЕБ ЖАДЗК РНСЕБ ЖАДЗК РНСЕБ ЖАДЗК ПУДЧО ЗПВЫЗ РЫПЛЫ ВДТШЫ ЯУПЯВ = К

4621 kHz, 17-04, 1720 UTC

РГТ77 294 = ПЕВБД ЕПУВЫ ЕЙФИП АЕМЩИ ЕЙФИП АЕМЩИ ЕЙФИП АЕМЩИ КЖЕАХ ЩЫБЯЧ ЩТШЛК ЗМШУЦ ЯУПЯВ = К

3331 kHz, 17-04, 2005 UTC

РГТ77 581 = ПЕВБД ШХЖЮШ НАТЯЯ ХНЛЙЬ НАТЯЯ ХНЛЙЬ НАТЯЯ ХНЛЙЬ ЫЙРБО ЖУХТИ ШЧЖИЛ ОХМУЩ ЯУПЯВ = К

6351 kHz, 18-04, 2005 UTC

РГТ77 196 = ДДДДД ГИЗГЮ ЫВЦПБ ООУЫБ ВЖЯНН ООУЫБ ВЖЯНН ООУЫБ ВЖЯНН ЦДСПГ ЦБЮКЫ ЯЧОЖА ЯИПЯВ = К

6351 kHz, 18-04, 1219 UTC

РГТ77 243 = МММММ ХОДРА ХШУСТ ДЕПДН ЯГФВИ ДЕПДН ЯГФВИ ДЕПДН ЯГФВИ КЫОЫА УТЧБО ЗИЧОУ КБУЛО КУЯЩК ЯИПЯР = К

4621 kHz, 18-04, 2002 UTC

РГТ77 820 = ШГЧПЕ УЯБША ЖЮБЮЯ ШЕТЦД ЖЮБЮЯ ШЕТЦД ЖЮБЮЯ ШЕТЦД НАМВП БФОЕМ УЗГКФ ЯИПЯЯ = К



LOGBOOK

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
BUL	1-4	0724	9375	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	1-4	0828	14755	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	1-4	1301	18455	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	3-4	0850	17440	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	14-4	1238	13364	Tue	Bulgarian diplo	RFSM-8000	(AB)
BUL	23-4	0723	8045	Thu	LTK: MFA Sofia wkg Bulgarian embassy Kiev. QSX 9070 kHz	RFSM-8000	(PHP)
BUL	23-4	0723	9070	Thu	AID: Bulgarian embassy Kiev wkg MFA Sofia. QSX 8045 kHz	RFSM-8000	(PHP)
BUL	24-4	0652	8050	Fri	LGA: MFA Sofia wkg Bulgarian Consulate Istanbul. QSX 8189 kHz	RFSM-8000	(PHP)
BUL	24-4	0652	8189	Fri	HOF: Bulgarian Consulate Istanbul wkg MFA Sofia. QSX 8050 kHz	RFSM-8000	(PHP)
BUL	24-4	1222	13365	Fri	KSA: MFA Sofia wkg Bulgarian embassy Berlin. QSX 13955 kHz	RFSM-8000	(PHP)
BUL	24-4	1222	13955	Fri	LZZ-5: Bulgarian embassy Berlin wkg MFA Sofia. QSX 13365 kHz	RFSM-8000	(PHP)
BUL	29-4	1255	14790	Wed	ORB: MFA Sofia wkg Bulgarian embassy Paris. QSX 14796 kHz	RFSM-8000	(PHP)
BUL	29-4	1255	14796	Wed	DOK: Bulgarian embassy Paris wkg MFA Sofia. QSX 14790 kHz	RFSM-8000	(PHP)
BUL	30-4	0825	13962	Thu	DMZ: Bulgarian embassy Beyrouth wkg MFA Sofia. QSX 13974 kHz	RFSM-8000	(PHP)
BUL	30-4	0825	13974	Thu	COD: MFA Sofia sending a zip-file with encrypted files (BEY11444.NHH etc) to Bulgarian embassy Beyrouth. QSX 13962 kHz	RFSM-8000	(PHP)
E06	4-4	1600	12211	Sat	480 319 46 23045 97962 56361 ... 24821 38031 20397 319 46 00000	USB	(AB)
E06	4-4	1630	9481	Sat	480 319 46 23045 97962 56361 ... 24821 38031 20397 319 46 00000	USB	(AB)
E06	5-4	0730	14388	Sun	480 319 46 23045 97962 56361 ... 24821 38031 20397 319 46 00000	USB	(AB)
E06	5-4	0800	11567	Sun	480 319 46 23045 97962 56361 ... 24821 38031 20397 319 46 00000	USB	(AB)
E06	11-4	1600	12211	Sat	480 397 41 20107 26036 01463 ... 24753 79832 18610 397 41 00000	USB	(AB)
E06	11-4	1630	9481	Sat	480 397 41 20107 26036 01463 ... 24753 79832 18610 397 41 00000	USB	(AB)
E06	12-4	0730	14388	Sun	480 397 41 20107 26036 01463 ... 24753 79832 18610 397 41 00000	USB	(AB)
E06	12-4	0800	11567	Sun	480 397 41 20107 26036 01463 ... 24753 79832 18610 397 41 00000	USB	(AB)
E06	17-4	0850	10755	Fri	975 241 60 15052 68618 96581 ... 47082 18198 28436 [no further activity]	USB	(PY)
E06	18-4	1600	12211	Sat	480 976 43 54198 19104 27070 ... 21516 05264 78398 976 43 00000	USB	(AB)
E06	18-4	1630	9481	Sat	480 976 43 54198 19104 27070 ... 21516 05264 78398 976 43 00000	USB	(AB)
E06	19-4	0730	14388	Sun	480 976 43 54198 19104 27070 ... 21516 05264 78398 976 43 00000	USB	(AB)
E06	19-4	0800	11567	Sun	480 976 43 54198 19104 27070 ... 21516 05264 78398 976 43 00000	USB	(AB)
E06	25-4	1600	12211	Sat	480 269 45 39425 76232 61548 ... 62142 71285 04615 269 45 00000	USB	(AB/Lac)
E06	25-4	1630	9481	Sat	480 269 45 39425 76232 61548 ... 62142 71285 04615 269 45 00000	USB	(AB/Lac)

E06	26-4	0730	14388	Sun	480 269 45 39425 76232 61548 ... 62142 71285 04615 269 45 00000	USB	(AB/Lac)
E06	26-4	0800	11567	Sun	480 269 45 39425 76232 61548 ... 62142 71285 04615 269 45 00000	USB	(AB/Lac)
E07	2-4	1000	18273	Thu	248 248 248 000	USB	(AB)
E07	2-4	1020	17459	Thu	248 248 248 000	USB	(AB)
E07	3-4	1500	16257	Fri	221 221 221 1 917 67 917 67 48359 13832 72733 ... 33736 11788 98748 000 000	USB	(AB)
E07	3-4	1520	18257	Fri	221 221 221 1 917 67 917 67 48359 13832 72733 ... 33736 11788 98748 000 000	USB	(AB)
E07	3-4	1540	19157	Fri	221 221 221 1 917 67 917 67 48359 13832 72733 ... 33736 11788 98748 000 000	USB	(AB)
E07	4-4	1000	18273	Sat	248 248 248 000	USB	(AB)
E07	4-4	1020	17459	Sat	248 248 248 000	USB	(AB)
E07	7-4	1500	16257	Tue	221 221 221 000	USB	(AB)
E07	7-4	1520	18257	Tue	221 221 221 000	USB	(AB)
E07	9-4	1000	18273	Thu	248 248 248 1 5745 186 5745 186 19471 53962 38499 ... 57720 37636 72561 000 000	USB	(AB/Lac)
E07	9-4	1020	17459	Thu	248 248 248 1 5745 186 5745 186 19471 53962 38499 ... 57720 37636 72561 000 000	USB	(AB/Lac)
E07	9-4	1040	15891	Thu	248 248 248 1 5745 186 5745 186 19471 53962 38499 ... 57720 37636 72561 000 000	USB	(AB/Lac)
E07	10-4	1500	16257	Fri	221 221 221 000	USB	(AB)
E07	10-4	1520	18257	Fri	221 221 221 000	USB	(AB)
E07	11-4	1000	18273	Sat	248 248 248 1 5745 186 5745 186 19471 53962 38499 ... 57720 37636 72561 000 000	USB	(AB)
E07	11-4	1020	17459	Sat	248 248 248 1 5745 186 5745 186 19471 53962 38499 ... 57720 37636 72561 000 000	USB	(AB)
E07	11-4	1040	15891	Sat	248 248 248 1 5745 186 5745 186 19471 53962 38499 ... 57720 37636 72561 000 000	USB	(AB)
E07	14-4	1500	16257	Tue	221 221 221 1 8859 112 8859 112 17135 29099 76766 ... 75320 33224 59589 000 000	USB	(AB/Lac)
E07	14-4	1520	18257	Tue	221 221 221 1 8859 112 8859 112 17135 29099 76766 ... 75320 33224 59589 000 000	USB	(AB/Lac)
E07	14-4	1540	19157	Tue	221 221 221 1 8859 112 8859 112 17135 29099 76766 ... 75320 33224 59589 000 000	USB	(AB/Lac)
E07	16-4	1000	18273	Thu	248 248 248 000	USB	(AB/Lac)
E07	16-4	1020	17459	Thu	248 248 248 000	USB	(AB)
E07	17-4	1500	16257	Fri	221 221 221 1 8859 112 8859 112 17135 29099 76766 ... 75320 33224 59589 000 000	USB	(AB)
E07	17-4	1520	18257	Fri	221 221 221 1 8859 112 8859 112 17135 29099 76766 ... 75320 33224 59589 000 000	USB	(AB)
E07	17-4	1540	19157	Fri	221 221 221 1 8859 112 8859 112 17135 29099 76766 ... 75320 33224 59589 000 000	USB	(AB)
E07	18-4	1000	18273	Sat	248 248 248 000	USB	(AB)
E07	18-4	1020	17459	Sat	248 248 248 000	USB	(AB)
E07	21-4	1500	16257	Tue	221 221 221 000	USB	(AB/Lac)
E07	21-4	1520	18257	Tue	221 221 221 000	USB	(AB/Lac)
E07	23-4	1000	18273	Thu	248 248 248 1 971 191 971 191 27358 52316 81265 ... 32880 54050 57853 000 000	USB	(AB/Lac)
E07	23-4	1020	17459	Thu	248 248 248 1 971 191 971 191 27358 52316 81265 ... 32880 54050 57853 000 000	USB	(AB/Lac)
E07	23-4	1040	15891	Thu	248 248 248 1 971 191 971 191 27358 52316 81265 ... 32880 54050 57853 000 000	USB	(AB/Lac)
E07	24-4	1500	16257	Fri	221 221 221 000	USB	(AB/Lac)
E07	24-4	1520	18257	Fri	221 221 221 000	USB	(AB/Lac)
E07	24-4	1520	18257	Fri	221 000	USB	(Lac)
E07	25-4	1000	18273	Sat	248 248 248 1 971 191 971 191 27358 52316 81265 ... 32880 54050 57853 000 000	USB	(AB/Lac)
E07	25-4	1020	17459	Sat	248 248 248 1 971 191 971 191 27358 52316 81265 ... 32880 54050 57853 000 000	USB	(AB/Lac)
E07	25-4	1040	15891	Sat	248 248 248 1 971 191 971 191 27358 52316 81265 ... 32880 54050 57853 000 000	USB	(AB/Lac)
E07	28-4	1500	16257	Tue	221 221 221 1 3540 144 3540 144 12019 08595 01914 ... 05332 13409 39529 000 000	USB	(AB/Lac)
E07	28-4	1520	18257	Tue	221 221 221 1 3540 144 3540 144 12019 08595 01914 ... 05332 13409 39529 000 000	USB	(AB/Lac)

E07	28-4	1540	19157	Tue	221 221 221 1 3540 144 3540 144 12019 08595 01914 ... 05332 13409 39529 000 000	USB	(AB/Lac)
E07	30-4	1000	18273	Thu	248 248 248 000	USB	(AB/Lac)
E07	30-4	1020	17459	Thu	248 248 248 000	USB	(AB/Lac)
E11	1-4	0315	12630	Wed	253/00 Out	USB	(AB-POL)
E11	1-4	0600	23353	Wed	948/00 Out	USB	(AB-POL)
E11	1-4	0645	9610	Wed	414/00 Out	USB	(AB)
E11	1-4	0715	19515	Wed	754/00 Out	USB	(AB)
E11	1-4	0745	17410	Wed	347/00 Out	USB	(AB/Lac)
E11	1-4	0820	19184	Wed	132/00 Out	USB	(AB/Lac)
E11	1-4	0845	12202	Wed	718/00 Out	USB	(AB/Lac)
E11	1-4	0900	13117	Wed	537/00 Out	USB	(AB)
E11	1-4	0930	6940	Wed	279/00 Out	USB	(AB/Lac)
E11	1-4	1045	12385	Wed	690/00 Out	USB	(AB)
E11	1-4	1205	9399	Wed	463/00 Out	USB	(AB/Lac)
E11	1-4	1610	4181	Wed	399/00 Out	USB	(AB/Lac)
E11	2-4	0645	13470	Thu	514/00 Out	USB	(AB)
E11	2-4	0720	8423	Thu	434/00 Out	USB	(AB)
E11	2-4	0745	26756	Thu	220/00 Out	USB	(AB)
E11	2-4	0845	18168	Thu	159/00 Out	USB	(AB)
E11	2-4	0930	6940	Thu	278/00 Out	USB	(AB)
E11	2-4	1230	12530	Thu	335/00 Out	USB	(AB)
E11	2-4	1300	5371	Thu	311/00 Out	USB	(AB)
E11	2-4	1530	10330	Thu	262/00 Out	USB	(AB/Lac)
E11	2-4	2000	5737	Thu	521/00 Out	USB	(AB)
E11	3-4	0600	8680	Fri	355/00 Out	USB	(AB)
E11	3-4	0700	8180	Fri	575/00 Out	USB	(AB)
E11	3-4	0715	14666	Fri	635/00 Out	USB	(AB)
E11	3-4	0720	8423	Fri	439/00 Out	USB	(AB)
E11	3-4	0830	20170	Fri	184/00 Out	USB	(AB)
E11	3-4	1000	9951	Fri	306/00 Out	USB	(AB)
E11	3-4	1020	17410	Fri	340/00 Out	USB	(AB-POL)
E11	3-4	1815	11116	Fri	920/00 Out	USB	(AB)
E11	3-4	1910	8530	Fri	610/00 Out	USB	(AB)
E11	4-4	1430	14972	Sat	917/00 Out	USB	(AB)
E11	4-4	1610	4181	Sat	396/00 Out	USB	(AB)
E11	4-4	1645	4505	Sat	366/00 Out	USB	(AB)
E11	5-4	0600	8680	Sun	353/00 Out	USB	(AB)
E11	5-4	1605	5176	Sun	232/00 Out	USB	(AB)
E11	5-4	1645	4505	Sun	363/00 Out	USB	(AB)
E11	5-4	1815	11116	Sun	929/00 Out	USB	(AB)
E11	5-4	1910	8530	Sun	612/00 Out	USB	(AB)
E11	5-4	2000	5737	Sun	521/00 Out	E11	(AB)

E11	6-4	0645	9610	Mon	418/00 Out	USB	(AB)
E11	6-4	0715	19515	Mon	750/00 Out	USB	(AB/Lac)
E11	6-4	0745	10213	Mon	260/00 Out	USB	(AB/Lac)
E11	6-4	1300	5371	Mon	319/00 Out	USB	(AB)
E11	7-4	0645	13470	Tue	519/00 Out	USB	(AB/Lac)
E11	7-4	0700	8180	Tue	571/00 Out	USB	(AB/Lac)
E11	7-4	0715	14666	Tue	636/00 Out	USB	(AB-POL/Lac)
E11	7-4	0715	19515	Tue	757/00 out	USB	(Lac)
E11	7-4	0930	19184	Tue	130/00 Out	USB	(AB/Lac)
E11	7-4	1000	9951	Tue	304/00 Out	USB	(AB)
E11	7-4	1230	12530	Tue	338/00 Out	USB	(AB)
E11	7-4	1430	14972	Tue	912/00 Out	USB	(AB)
E11	7-4	1605	5176	Tue	238/00 Out	USB	(AB)
E11	8-4	0645	9610	Wed	411/00 Out	USB	(AB)
E11	8-4	0715	19515	Wed	750/00 Out	USB	(AB-POL)
E11	8-4	0820	19184	Wed	134/00 Out	USB	(AB-POL/Lac)
E11	8-4	1045	12385	Wed	696/00 Out	USB	(AB)
E11	8-4	1610	4181	Wed	390/00 Out	USB	(AB)
E11	8-4	1715	6923	Wed	975/00 Out	USB	(AB)
E11	9-4	0645	13470	Thu	515/00 Out	USB	(AB/Lac)
E11	9-4	0720	8423	Thu	432/00 Out	USB	(AB)
E11	9-4	1230	12530	Thu	338/00 Out	USB	(AB)
E11	9-4	1300	5371	Thu	319/00 Out	USB	(AB)
E11	9-4	1530	10330	Thu	264/00 Out	USB	(AB)
E11	9-4	2000	5737	Thu	528/00 Out	USB	(AB)
E11	10-4	0600	8680	Fri	359/00 Out	USB	(AB)
E11	10-4	0700	8180	Fri	577/00 Out	USB	(AB)
E11	10-4	0715	14666	Fri	637/00 Out	USB	(AB)
E11	10-4	0720	8423	Fri	436/00 Out	USB	(AB)
E11	10-4	1000	9951	Fri	308/00 Out	USB	(AB)
E11	10-4	1715	6923	Fri	974/00 Out	USB	(AB)
E11	10-4	1815	11116	Fri	Unreadable, killed by radar	USB	(AB)
E11	11-4	0700	9079	Sat	495/00 Out	USB	(AB)
E11	11-4	1430	14972	Sat	918/00 Out	USB	(AB)
E11	11-4	1610	4181	Sat	393/00 Out	USB	(AB)
E11	11-4	1645	4505	Sat	364/00 Out	USB	(AB)
E11	12-4	0600	8680	Sun	354/00 Out	USB	(AB)
E11	12-4	0700	9079	Sun	497/00 Out	USB	(AB)
E11	12-4	1605	5176	Sun	233/00 Out	USB	(AB)
E11	12-4	1645	4505	Sun	369/00 Out	USB	(AB)
E11	12-4	1815	11116	Sun	929/00 Out	USB	(AB)
E11	12-4	2000	5737	Sun	521/00 Out	E11	(AB)

E11	13-4	0600	23353	Mon	948/00 Out	USB	(AB-POL)
E11	13-4	0645	9610	Mon	414/00 Out	USB	(AB)
E11	13-4	0715	19515	Mon	751/00 Out	USB	(AB/Lac)
E11	13-4	0745	10213	Mon	261/00 Out	USB	(AB/Lac)
E11	13-4	0830	20170	Mon	180/00 Out	USB	(AB/Lac)
E11	13-4	0845	12202	Mon	716/00 Out	USB	(AB/Lac)
E11	13-4	0900	13117	Mon	537/00 Out	USB	(AB/Lac)
E11	13-4	1045	12385	Mon	692/00 Out	USB	(AB/Lac)
E11	13-4	1300	5371	Mon	319/00 Out	USB	(AB/Lac)
E11	13-4	1745	13470	Mon	248/00 Out	USB	(AB-CYP/Lac)
E11	13-4	1900	7317	Mon	643/00 Out	USB	(AB/Lac)
E11	14-4	0700	8180	Tue	579/00 Out	USB	(AB)
E11	14-4	0745	26756	Tue	221/00 Out	USB	(AB-POL)
E11	14-4	0845	18168	Tue	155/00 Out	USB	(Lac)
E11	14-4	1205	9399	Tue	466/00 Out	USB	(AB)
E11	14-4	1230	12530	Tue	331/00 Out	USB	(AB/Lac)
E11	14-4	1430	14972	Tue	917/00 Out	USB	(AB)
E11	14-4	1605	5176	Tue	230/00 Out	USB	(AB)
E11	15-4	0600	23353	Wed	949/00 Out	USB	(AB-POL)
E11	15-4	0645	9610	Wed	411/00 Out	USB	(AB)
E11	15-4	0715	19515	Wed	752/00 Out	USB	(AB-POL)
E11	15-4	0745	17410	Wed	346/00 Out	USB	(AB)
E11	15-4	0845	12202	Wed	718/00 Out	USB	(AB)
E11	15-4	0900	13117	Wed	535/00 Out	USB	(AB)
E11	15-4	0930	6940	Wed	275/00 Out	USB	(AB)
E11	15-4	1045	12385	Wed	690/00 Out	USB	(AB)
E11	15-4	1205	9399	Wed	464/00 Out	USB	(AB)
E11	15-4	1610	4181	Wed	393/00 Out	USB	(AB)
E11	15-4	1715	6923	Wed	977/00 Out	USB	(AB)
E11	16-4	0745	26756	Thu	224/00 Out	USB	(AB-POL)
E11	16-4	0845	18168	Thu	150/00 Out	USB	(AB)
E11	16-4	0930	6940	Thu	277/00 Out	USB	(AB/Lac)
E11	16-4	1230	12530	Thu	333/00 Out	USB	(AB)
E11	16-4	1300	5371	Thu	319/00 Out	USB	(AB)
E11	16-4	1530	10330	Thu	262/00 Out	USB	(AB)
E11	16-4	1900	7317	Thu	647/00 Out	USB	(AB)
E11	16-4	2000	5737	Thu	524/00 Out	USB	(AB)
E11	17-4	0700	8180	Fri	579/00 Out	USB	(AB/Lac)
E11	17-4	0830	20170	Fri	189/00 Out	USB	(AB-POL)
E11	17-4	1020	17410	Fri	349/00 Out	USB	(AB-POL)
E11	17-4	1715	6923	Fri	977/00 Out	USB	(AB)
E11	17-4	1910	8530	Fri	617/00 Out	USB	(AB)

E11	18-4	0700	9079	Sat	497/00 Out	USB	(AB)
E11	18-4	1430	14972	Sat	Unreadable. Radar QRM	USB	(AB)
E11	18-4	1610	4181	Sat	395/00 Out	USB	(AB)
E11	19-4	0700	9079	Sun	498/00 Out	USB	(AB)
E11	19-4	1605	5176	Sun	231/00 Out	USB	(AB)
E11	19-4	1745	13470	Sun	240/00 Out	USB	(AB)
E11	19-4	1910	8530	Sun	618/00 Out	USB	(AB)
E11	19-4	2000	5737	Sun	525/00 Out	E11	(AB)
E11	20-4	0745	10213	Mon	262/00 Out	USB	(AB/Lac)
E11	20-4	0830	20170	Mon	180/00 Out	USB	(AB/Lac)
E11	20-4	0845	12202	Mon	716/00 Out	USB	(AB/Lac)
E11	20-4	0900	13117	Mon	533/00 Out	USB	(AB/Lac)
E11	20-4	1045	12385	Mon	698/00 Out	USB	(AB/Lac)
E11	20-4	1745	13470	Mon	242/00 Out	USB	(AB)
E11	20-4	1900	7317	Mon	641/00 Out	USB	(AB)
E11	21-4	0645	13470	Tue	511/00 Out	USB	(AB/Lac)
E11	21-4	0700	8180	Tue	577/00 Out	USB	(AB/Lac)
E11	21-4	0715	14666	Tue	630/00 Out	USB	(AB/Lac)
E11	21-4	0745	26756	Tue	220/00 Out	USB	(AB/Lac)
E11	21-4	0845	18168	Tue	150/00 Out	USB	(AB/Lac)
E11	21-4	0930	19184	Tue	138/00 Out	USB	(AB/Lac)
E11	21-4	1000	9951	Tue	305/00 Out	USB	(AB/Lac)
E11	21-4	1205	9399	Tue	460/00 Out	USB	(AB/Lac)
E11	21-4	1430	14972	Tue	918/00 Out	USB	(AB/Lac)
E11	21-4	1605	5176	Tue	233/00 Out	USB	(AB/Lac)
E11	22-4	0700	23353	Wed	944/00 Out	USB	(Lac)
E11	22-4	0745	17410	Wed	349/00 Out	USB	(Lac)
E11	22-4	0820	19184	Wed	136/00 Out	USB	(AB-POL/Lac)
E11	22-4	0845	12202	Wed	711/00 Out	USB	(AB/Lac)
E11	22-4	0900	13117	Wed	537/00 Out	USB	(AB/Lac)
E11	22-4	0930	6940	Wed	275/00 Out	USB	(AB/Lac)
E11	22-4	1045	12385	Wed	690/00 Out	USB	(AB/Lac)
E11	22-4	1205	9399	Wed	465/00 Out	USB	(AB/Lac)
E11	22-4	1610	4181	Wed	392/00 Out	USB	(AB/Lac)
E11	22-4	1715	6923	Wed	978/00 Out	USB	(AB/Lac)
E11	23-4	0645	13470	Thu	518/00 Out	USB	(AB/Lac)
E11	23-4	0720	8423	Thu	435/00 Out	USB	(AB/Lac)
E11	23-4	0745	26756	Thu	220/00 Out	USB	(AB-POL/Lac)
E11	23-4	0845	18168	Thu	152/00 Out	USB	(AB/Lac)
E11	23-4	0930	6940	Thu	275/00 Out	USB	(AB/Lac)
E11	23-4	1530	10330	Thu	268/00 Out	USB	(AB/Lac)
E11	23-4	1900	7317	Thu	649/00 Out	USB	(AB)

E11	24-4	0600	8680	Fri	353/00 Out	USB	(AB)
E11	24-4	0700	8180	Fri	571/00 Out	USB	(AB/Lac)
E11	24-4	0715	14666	Fri	631/00 Out	USB	(AB/Lac)
E11	24-4	0720	8423	Fri	436/00 Out	USB	(AB/Lac)
E11	24-4	0830	20170	Fri	180/00 Out	USB	(AB-POL/Lac)
E11	24-4	1000	9951	Fri	302/00 Out	USB	(AB/Lac)
E11	24-4	1020	17410	Fri	348/00 Out	USB	(AB-POL/Lac)
E11	24-4	1715	6923	Fri	977/00 Out	USB	(AB/Lac)
E11	24-4	1815	11116	Fri	926/00 Out	USB	(AB/Lac)
E11	24-4	1910	8530	Fri	613/00 Out	USB	(AB/Lac)
E11	25-4	0700	9079	Sat	490/00 Out	USB	(AB/Lac)
E11	25-4	1430	14972	Sat	917/00 Out	USB	(AB/Lac)
E11	25-4	1610	4181	Sat	396/00 Out	USB	(AB/Lac)
E11	25-4	1645	4505	Sat	367/00 Out	USB	(AB/Lac)
E11	26-4	0600	8680	Sun	351/00 Out	USB	(AB/Lac)
E11	26-4	0700	9079	Sun	496/00 Out	USB	(AB/Lac)
E11	26-4	1605	5176	Sun	233/00 Out	USB	(AB/Lac)
E11	26-4	1645	4505	Sun	369/00 Out	USB	(AB/Lac)
E11	26-4	1745	13470	Sun	242/00 Out	USB	(AB/Lac)
E11	26-4	1815	11116	Sun	921/00 Out	USB	(AB/Lac)
E11	26-4	1910	8530	Sun	618/00 Out	USB	(AB/Lac)
E11	27-4	0600	23353	Mon	944/00 Out	USB	(AB-POL/Lac)
E11	27-4	0645	9610	Mon	411/00 Out	USB	(AB/Lac)
E11	27-4	0715	19515	Mon	753/00 Out	USB	(AB/Lac)
E11	27-4	0830	20170	Mon	183/00 Out	USB	(AB/Lac)
E11	27-4	0845	12202	Mon	713/00 Out	USB	(AB/Lac)
E11	27-4	0900	13117	Mon	538/00 Out	USB	(AB/Lac)
E11	27-4	1045	12385	Mon	693/00 Out	USB	(AB/Lac)
E11	27-4	1300	5371	Mon	314/00 Out	USB	(AB/Lac)
E11	27-4	1315	12630	Mon	259/00 Out	USB	(AB/Lac)
E11	27-4	1745	13470	Mon	249/00 Out	USB	(AB/Lac)
E11	27-4	1900	7317	Mon	646/00 Out	USB	(AB/Lac)
E11	28-4	0645	13470	Tue	511/00 Out	USB	(AB/Lac)
E11	28-4	0715	14666	Tue	630/00 Out	USB	(AB-POL/Lac)
E11	28-4	0745	26756	Tue	227/00 Out	USB	(AB-POL/Lac)
E11	28-4	0845	18168	Tue	151/00 Out	USB	(AB/Lac)
E11	28-4	0930	19184	Tue	134/00 Out	USB	(AB/Lac)
E11	28-4	1000	9951	Tue	307/00 Out	USB	(AB/Lac)
E11	28-4	1205	9399	Tue	460/00 Out	USB	(AB/Lac)
E11	28-4	1230	12530	Tue	338/00 Out	USB	(AB/Lac)
E11	29-4	0315	12630	Wed	253/00 Out	USB	(AB/Lac)
E11	29-4	0600	23353	Wed	945/00 Out	USB	(Lac)

E11	29-4	0645	9610	Wed	411/00 Out	USB	(AB/Lac)
E11	29-4	0715	19515	Wed	755/00 Out	USB	(AB-POL/Lac)
E11	29-4	0745	17410	Wed	349/00 Out	USB	(AB/Lac)
E11	29-4	0820	19184	Wed	134/00 Out	USB	(AB-POL/Lac)
E11	29-4	0845	12202	Wed	719/00 Out	USB	(AB/Lac)
E11	29-4	0900	13117	Wed	537/00 Out	USB	(AB/Lac)
E11	29-4	0930	6940	Wed	275/00 Out	USB	(AB/Lac)
E11	29-4	1045	12385	Wed	690/00 Out	USB	(AB/Lac)
E11	29-4	1205	9399	Wed	462/00 Out	USB	(AB/Lac)
E11	29-4	1715	6923	Wed	978/00 Out	USB	(AB/Lac)
E11	30-4	0645	13470	Thu	517/00 Out	USB	(AB/Lac)
E11	30-4	0720	8423	Thu	439/00 Out	USB	(AB/Lac)
E11	30-4	0745	26756	Thu	228/00 Out	USB	(AB-POL/Lac)
E11	30-4	0845	18168	Thu	151/00 Out	USB	(AB/Lac)
E11	30-4	0930	6940	Thu	275/00 Out	USB	(AB/Lac)
E11	30-4	1230	12530	Thu	334/00 Out	USB	(AB/Lac)
E11	30-4	1300	5371	Thu	314/00 Out	USB	(AB/Lac)
E11	30-4	1900	7317	Thu	649/00 Out	USB	(AB/Lac)
E11	30-4	2000	5737	Thu	522/00 Out	USB	(AB/Lac)
E11a	1-4	1715	6923	Wed	974/36 Attention 01615 56511 83519 ... 19424 79931 87270 Attention (message repeated) Out	USB	(AB/Lac)
E11a	2-4	1900	7317	Thu	646/31 Attention 19622 87333 80735 ... 64231 16759 99509 Attention (message repeated) Out	USB	(AB)
E11a	3-4	1715	6923	Fri	974/36 Attention 01615 56511 83519 ... 19424 79931 87270 Attention (message repeated) Out	USB	(AB)
E11a	4-4	0700	9079	Sat	491/36 Attention 36685 55706 22025 ... 81103 34333 16498 Attention (message repeated) Out	USB	(AB)
E11a	5-4	0700	9079	Sun	491/36 Attention 36685 55706 22025 ... 81103 34333 16498 Attention (message repeated) Out	USB	(AB)
E11a	6-4	0600	23353	Mon	940/21 Attention 50417 73931 84808 ... 41722 28500 57568 Attention (message repeated) Out	USB	(AB-POL)
E11a	6-4	0830	20170	Mon	184/21 Attention 93852 94214 57110 ... 67314 78709 06796 Attention (message repeated) Out	USB	(AB)
E11a	6-4	0845	12202	Mon	716/34 Attention 60611 00407 99777 ... 76065 59144 98660 Attention (message repeated) Out	USB	(AB/Lac)
E11a	6-4	0900	13117	Mon	532/37 Attention 76222 15555 88501 ... 00990 92138 11466 Attention (message repeated) Out	USB	(AB/Lac)
E11a	6-4	1045	12385	Mon	690/21 Attention 32177 20341 20731 ... 67594 41086 14403 Attention (message repeated) Out	USB	(AB/Lac)
E11a	6-4	1745	13470	Mon	240/35 Attention 48926 58308 39868 ... 26526 47038 40713 Attention (message repeated) Out	USB	(AB-CYP)
E11a	6-4	1900	7317	Mon	648/32 Attention 41411 39966 55918 ... 43760 38441 67034 Attention (message repeated) Out	USB	(AB)

					repeated) Out			
E11a	7-4	0745	26756	Tue	227/35 Attention 17159 12660 70492 ... 95565 50910 67562 Attention (message repeated) Out	USB		(AB/Lac)
E11a	7-4	0845	18168	Tue	154/21 Attention 92215 70688 12561 ... 25871 31824 79525 Attention (message repeated) Out	USB		(AB/Lac)
E11a	7-4	1205	9399	Tue	465/36 Attention 62037 52560 00929 ... 54473 12037 87537 Attention (message repeated) Out	USB		(AB)
E11a	8-4	0600	23353	Wed	940/21 Attention 50417 73931 84808 ... 41722 28500 57568 Attention (message repeated) Out	USB		(AB-POL)
E11a	8-4	0745	17410	Wed	348/35 Attention 65135 67674 34651 ... 59728 91970 84444 Attention (message repeated) Out	USB		(AB/Lac)
E11a	8-4	0845	12202	Wed	716/34 Attention 60611 00407 99777 ... 76065 59144 98660 Attention (message repeated) Out	USB		(AB)
E11a	8-4	0900	13117	Wed	532/37 Attention 76222 15555 88501 ... 00990 92138 11466 Attention (message repeated) Out	USB		(AB)
E11a	8-4	0930	6940	Wed	273/35 Attention 76096 87905 57331 ... 55471 44305 03331 Attention (message repeated) Out	USB		(AB)
E11a	8-4	1205	9399	Wed	465/36 Attention 62037 52560 00929 ... 54473 12037 87537 Attention (message repeated) Out	USB		(AB)
E11a	9-4	0745	26756	Thu	227/35 Attention 17159 12660 70492 ... 95565 50910 67562 Attention (message repeated) Out	USB		(AB/Lac)
E11a	9-4	0845	18168	Thu	150/21 Attention 29838 32247 60019 ... 27746 75999 06294 Attention (message repeated) Out	USB		(AB/Lac)
E11a	9-4	0930	6940	Thu	273/35 Attention 76096 87905 57331 ... 55471 44305 03331 Attention (message repeated) Out	USB		(AB)
E11a	9-4	1900	7317	Thu	648/32 Attention 41411 39966 55918 ... 43760 38441 67034 Attention (message repeated) Out	USB		(AB)
E11a	10-4	0830	20170	Fri	183/21 Attention 74031 22792 16223 ... 74512 25983 39563 Attention (message repeated) Out	USB		(AB/Lac)
E11a	10-4	1020	17410	Fri	348/35 Attention 65135 67674 34651 ... 59728 91970 84444 Attention (message repeated) Out	USB		(AB-POL)
E11a	10-4	1910	8530	Fri	617/30 Attention 28004 91422 32023 ... 48613 27634 41357 Attention (message repeated) Out	USB		(AB)
E11a	12-4	1745	13470	Sun	240/35 Attention 48926 58308 39868 ... 26526 47038 40713 Attention (message repeated) Out	USB		(AB)
E11a	12-4	1910	8530	Sun	288/30 Attention 11803 44407 88695 ... 20443 87744 98598 Attention (message repeated) Out	USB		(AB)
E11a	14-4	0645	13470	Tue	510/32 Attention 07255 82048 58295 ... 69748 18639 85572 Attention (message repeated) Out	USB		(AB/Lac)
E11a	14-4	0715	14666	Tue	634/36 Attention 44953 67788 03536 ... 70938 85674 71215 Attention (message repeated) Out	USB		(AB/Lac)
E11a	14-4	0845	18168	Tue	Ac0ive, too weak to copy	USB		(AB)
E11a	14-4	0930	19184	Tue	131/39 Attention 31784 57480 55840 ... 51158 26482 55161 Attention (message	USB		(AB/Lac)

					) Out		
E11a	14-4	1000	9951	Tue	305/40 Attention 77622 13786 94259 ... 01486 37379 21390 Attention (message repeated) Out	USB	(AB/Lac)
E11a	14-4	1000	9951	Tue	305/40 Att	USB	(Lac)
E11a	15-4	0315	12630	Wed	Message, too weak to copy	USB	(AB-POL)
E11a	15-4	0820	19184	Wed	131/39 Attention 31784 57480 55840 ... 51158 26482 55161 Attention (message repeated) Out	USB	(AB-POL)
E11a	16-4	0645	13470	Thu	510/32 Attention 07255 82048 58295 ... 69748 18639 85572 Attention (message repeated) Out	USB	(AB/Lac)
E11a	16-4	0645	13470	Thu	510/32, repeat from 2026-04-14	USB	(Lac)
E11a	16-4	0720	8423	Thu	435/31 Attention 30229 13682 93968 ... 36237 79743 38161 Attention (message repeated) Out	USB	(AB)
E11a	17-4	0600	8680	Fri	354/37 Attention 42267 99135 60005 ... 52343 40253 61034 Attention (message repeated) Out	USB	(AB)
E11a	17-4	0715	14666	Fri	634/36 Attention 44953 67788 03536 ... 70938 85674 71215 Attention (message repeated) Out	USB	(AB)
E11a	17-4	0720	8423	Fri	435/31 Attention 30229 13682 93968 ... 36237 79743 38161 Attention (message repeated) Out	USB	(AB/Lac)
E11a	17-4	1000	9951	Fri	305/40 Attention 77622 13786 94259 ... 01486 37379 21390 Attention (message repeated) Out	USB	(AB)
E11a	17-4	1815	11116	Fri	920/31 Attention 85783 70173 16611 ... 08370 53344 26224 Attention message repeated) Out	USB	(AB)
E11a	18-4	1645	4505	Sat	364/40 Attention 18031 90691 18599 ... 58407 51278 72501 Attention (message repeated) Out	USB	(AB)
E11a	19-4	0600	8680	Sun	354/37 Attention 42267 99135 60005 ... 52343 40253 61034 Attention (message repeated) Out	USB	(AB)
E11a	19-4	1645	4505	Sun	364/40 Attention 18031 90691 18599 ... 58407 51278 72501 Attention (message repeated) Out	USB	(AB)
E11a	19-4	1815	11116	Sun	920/31 Attention 85783 70173 16611 ... 08370 53344 26224 Attention message repeated) Out	USB	(AB)
E11a	20-4	0645	9610	Mon	412/34 Attention 68994 83772 92702 ... 53283 66530 86456 Attention (message repeated) Out	USB	(AB/Lac)
E11a	20-4	0715	19515	Mon	751/39 Attention 94431 88194 37060 ... 86279 16697 54048 Attention (message repeated) Out	USB	(Lac)
E11a	20-4	1300	5371	Mon	311/34 Attention 88342 24709 98555 ... 52660 42262 42339 Attention (message repeated) Out	USB	(AB/Lac)
E11a	21-4	1230	12530	Tue	338/35 Attention 89654 08796 76230 ... 32166 07459 60591 Attention (message repeated) Out	USB	(AB/Lac)
E11a	22-4	0645	9610	Wed	412/34 Attention 68994 83772 92702 ... 53283 66530 86456 Attention (message repeated) Out	USB	(AB/Lac)
E11a	22-4	0715	19515	Wed	751/39 Attention 94431 88914 37060 ... 86279 16697 54048 Attention (message repeated) Out	USB	(AB/Lac)
E11a	23-4	1230	12530	Thu	338/35 Attention 89654 08796 76230 ... 32166 07459 60591 Attention (message repeated) Out	USB	(AB/Lac)

					repeated) Out		
E11a	23-4	1300	5371	Thu	311/34 Attention 88342 24709 98555 ... 52660 42262 42339 Attention (message repeated) Out	USB	(AB)
E11a	23-4	2000	5737	Thu	525/31 Attention 67421 07775 26945 ... 62791 97353 81920 Attention (message repeated) Out	USB	(AB)
E11a	26-4	2000	5737	Sun	525/31 Attention 67421 07775 26945 ... 62791 97353 81920 Attention (message repeated) Out	USB	(AB/Lac)
E11a	27-4	0745	10213	Mon	266/31 Attention 06567 80682 07131 ... 86071 83707 73427 Attention (message repeated) Out	USB	(AB/Lac)
E11a	28-4	0700	8180	Tue	574/39 Attention 46327 05863 00945 ... 98470 57672 03005 Attention (message repeated) Out	USB	(AB/Lac)
E11a	28-4	1430	14972	Tue	910/33 Attention 01465 02465 75267 ... 04430 79769 28589 Attention (message repeated) Out	USB	(AB/Lac)
E11a	28-4	1605	5176	Tue	237/31 Attention 17327 17103 32575 ... 46484 85279 73416 Attention (message repeated) Out	USB	(AB/Lac)
E11a	29-4	1610	4181	Wed	390/36 Attention 64288 78950 54037 ... 11872 25636 65011 Attention (message repeated) Out	USB	(AB/Lac)
E11a	30-4	1530	10330	Thu	266/31 Attention 06567 80682 07131 ... 86071 83707 73427 Attention (message repeated) Out	USB	(AB/Lac)
EGY	1-4	1250	18050	Wed	44405: Egyptian embassy Islamabad	CODAN	(PHP)
EGY	1-4	1305	18050	Wed	44406: Egyptian embassy Delhi	CODAN	(PHP)
EGY	4-4	1424	18051.7	Sat	MFA Cairo clg RCVB: Egyptian embassy Washington	SItoR-A 100/170	(AB)
EGY	4-4	1426	18050	Sat	99901: MFA Cairo wkg 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	5-4	1140	16033	Sun	99901: MFA Cairo clg unid embassy	CODAN	(PHP)
EGY C	15-4	1556	16066	Wed	99901: MFA Cairo wkg 66601: Egyptian embassy Washington	ODAN	(AB)
EGY S	15-4	1555	16067.7	Wed	MFA Cairo clg RCVB: Egyptian embassy Washington	ItoR-A 100/170	(AB)
EGY S	15-4	1606	16067.7	Wed	MFA Cairo clg RCVB: Egyptian embassy Washington	ItoR-A 100/170	(AB)
EMS	24-2	1130	6140	Tue	Amr Diab	AM	(qsr711/SSD)
EMS	25-2	1000	6140	Thu	Umm Kulthum - Ya Messaharni (Rame/Makawi)	AM	(qsr711/SSD)
EMS	25-2	1100	6140	Thu	Active	AM	(qsr711/SSD)
EMS	25-2	1200	6140	Thu	Sabah - Ashka We Meskena	AM	(qsr711/SSD)
EMS	28-2	1100	6140	Sat	Mohamed Mounir - A Yasmarany	AM	(qsr711/SSD)
EMS	28-2	1130	6140	Sat	Amr Diab - Betwashny	AM	(qsr711/SSD)
EMS	28-2	1200	6140	Sat	Shaimaa ElShayeb - Aw3dk	AM	(qsr711/SSD)
EMS	4-3	0930	6140	Wed	Tir Bina Ya Qalbi by Mouhamed Fawzy	AM	(qsr711/SSD)
EMS	4-3	1100	6140	Wed	Amr Diab - Alby	AM	(qsr711/SSD)
EMS	5-3	1000	6140	Thu	Ala Eidak by Sherine Abdel Wahhab	AM	(qsr711/SSD)
EMS	5-3	1200	6140	Thu	Amr Diab - Betwashny	AM	(qsr711/SSD)
EMS	9-3	0930	6140	Mon	Sabah - Ashka We Meskena	AM	(qsr711/SSD)
EMS	9-3	1100	6140	Mon	Bahaa Sultan - Ya Hagerny	AM	(qsr711/SSD)
EMS	9-3	1115	6140	Mon	Bahaa Sultan - Ya Hagerny	AM	(qsr711/SSD)
EMS	10-3	0815	6140	Tye	Bahaa Sultan - Ya Tara	AM	(qsr711/SSD)

EMS	10-3	0930	6140	Tue	Sherine - 3la Bali	AM	(qsr711/SSD)
EMS	10-3	1130	6140	Tue	Amr Diab	AM	(qsr711/SSD)
EMS	10-3	1145	6140	Tue	Abdel Halim Hafez – Ahdan El Habayeb	AM	(qsr711/SSD)
EMS	10-3	1200	6140	Tue	Fairuz - Asameena	AM	(qsr711/SSD)
EMS	11-3	0930	6140	Wed	Tir Bina Ya Qalbi by Mouhamed Fawzy	AM	(qsr711/SSD)
EMS	11-3	1100	6140	Wed	Amr Diab - Alby	AM	(qsr711/SSD)
EMS	12-3	1000	6140	Thu	2x hardware plug-in sound, then login sound, then music by Fayrouz - Shayef El Bahr	AM	(qsr711/SSD)
EMS	12-3	1115	6140	Thu	Ala Chan Echouk Elli Felouard by Mohamed Abdel Wahab	AM	(qsr711/SSD)
EMS	12-3	1200	6140	Thu	Sabah - Ashka We Meskena	AM	(qsr711/SSD)
EMS	14-3	1115	6140	Sat	Active	AM	(qsr711/SSD)
EMS	16-3	0800	6140	Mon	El Qamas by Sherine Abdel-Wahab	AM	(qsr711/SSD)
EMS	16-3	0930	6140	Mon	Amr Diab - Amarain	AM	(qsr711/SSD)
EMS	16-3	1100	6140	Mon	Bahaa Sultan - Ya Hagerny	AM	(qsr711/SSD)
EMS	16-3	1115	6140	Mon	Bahaa Sultan - Ya Hagerny	AM	(qsr711/SSD)
EMS	17-3	0815	6140	Tue	Bahaa Sultan - Ya Tara	AM	(qsr711/SSD)
EMS	17-3	0930	6140	Tue	Sherine - 3la Bali	AM	(qsr711/SSD)
EMS	17-3	1115	6140	Tue	Abdel Halim Hafez – Ahdan El Habayeb	AM	(qsr711/SSD)
EMS	17-3	1130	6140	Tue	Fayza Ahmed - Bahebek Ya Masr	AM	(qsr711/SSD)
EMS	17-3	1200	6140	Tue	Fairuz - Asameena	AM	(qsr711/SSD)
EMS	19-3	0700	6140	Thu	Ala Eidak by Sherine Abdel Wahhab	AM	(qsr711/SSD)
EMS	19-3	1000	6140	Thu	Umm Kulthum - Ya Messaharni (Rame/Makawi)	AM	(qsr711/SSD)
EMS	19-3	1115	6140	Thu	Mohamed Abdel Wahab - Alashan El Shook	AM	(qsr711/SSD)
EMS	19-3	1200	6140	Thu	Sabah - Ashka We Meskena	AM	(qsr711/SSD)
EMS	23-3	0930	6140	Mon	Abdel Halim Hafez - Ay Dama'et Hozn La	AM	(qsr711/SSD)
EMS	23-3	1100	6140	Mon	Bahaa Sultan - Ya Hagerny	AM	(qsr711/SSD)
EMS	23-3	1115	6140	Mon	Bahaa Sultan - Ya Hagerny	AM	(qsr711/SSD)
EMS	24-3	0715	6140	Tue	Hussain Al Jassmi - Ghaly	AM	(qsr711/SSD)
EMS	24-3	0815	6140	Tue	Bahaa Sultan - Ya Tara	AM	(qsr711/SSD)
EMS	24-3	0930	6140	Tue	Sherine - 3la Bali. Carrier out at 958z	AM	(qsr711/SSD)
EMS	24-3	1130	6140	Tue	Gamil Wo Asmar by Mohammed Qandil	AM	(qsr711/SSD)
EMS	24-3	1145	6140	Tue	Aly Hemeida - Wadena	AM	(qsr711/SSD)
EMS	24-3	1200	6140	Tue	Fadel Chaker - Btwhasheni	AM	(qsr711/SSD)
EMS	25-3	0930	6140	Wed	Tir Bina Ya Qalbi by Mouhamed Fawzy	AM	(qsr711/SSD)
EMS	25-3	1100	6140	Wed	Amr Diab - Alby	AM	(qsr711/SSD)
EMS	26-3	1000	6140	Thu	Umm Kulthum - Ya Messaharni (Rame/Makawi)	AM	(qsr711/SSD)
EMS	26-3	1115	6140	Thu	Ala Chan Echouk Elli Felouard by Mohamed Abdel Wahab	AM	(qsr711/SSD)
EMS	26-3	1200	6140	Thu	Sabah - Ashka We Meskena	AM	(qsr711/SSD)
EMS	28-3	0900	6140	Sat	Shahat El Garam by Mouhamed Fawzy	AM	(qsr711/SSD)
EMS	28-3	0930	6140	Sat	Nagat - Ana Bastanak	AM	(qsr711/SSD)
EMS	28-3	1045	6140	Sat	Sherine - Elly Garehny	AM	(qsr711/SSD)
EMS	28-3	1100	6140	Sat	Mohamed Mounir - A Yasmarany	AM	(qsr711/SSD)
EMS	28-3	1130	6140	Sat	Umm Kulthum El Hob Koloh	AM	(qsr711/SSD)

EMS	28-3	1200	6140	Sat	Shaimaa ElShayeb - Aw3dk	AM	(qsr711/SSD)
EMS	29-3	0800	6140	Sun	Sherine – Btamenak (Bi Kelma Menak)	AM	(qsr711/SSD)
EMS	29-3	0815	6140	Sun	Fayza Ahmed - Bahebek Ya Masr	AM	(qsr711/SSD)
EMS	29-3	0930	6140	Sun	Bahaa Sultan – Ehlef	AM	(qsr711/SSD)
EMS	29-3	1115	6140	Sun	Active	AM	(qsr711/SSD)
EMS	29-3	1130	6140	Sun	Active	AM	(qsr711/SSD)
EMS	30-3	0800	6140	Mon	El Qamas (Radio Edit) by Sherine Abdel-Wahab	AM	(qsr711/SSD)
EMS	30-3	0915	6140	Mon	Abdel Halim Hafez - Ay Dama'et Hozn La	AM	(qsr711/SSD)
EMS	30-3	1100	6140	Mon	Bahaa Sultan - Ya Hagerny	AM	(qsr711/SSD)
EMS	30-3	1115	6140	Mon	Bahaa Sultan - Ya Hagerny	AM	(qsr711/SSD)
EMS	31-3	0715	6140	Tue	Song played for 50 mins	AM	(qsr711/SSD)
EMS	31-3	0815	6140	Tue	Bahaa Sultan - Ya Tara	AM	(qsr711/SSD)
EMS	31-3	0930	6140	Tue	Sherine - 3la Bali	AM	(qsr711/SSD)
EMS	31-3	1130	6140	Tue	Amr Diab	AM	(qsr711/SSD)
EMS	31-3	1145	6140	Tue	Abdel Halim Hafez – Ahdan El Habayeb	AM	(qsr711/SSD)
EMS	31-3	1200	6140	Tue	Fairuz - Asameena	AM	(qsr711/SSD)
EMS	2-4	1000	6140	Thu	Umm Kulthum - Ya Messaharni (Rame/Makawi)	AM	(qsr711/SSD)
EMS	2-4	1115	6140	Thu	Ala Chan Echouk Elli Felouard by Mohamed Abdel Wahab	AM	(qsr711/SSD)
EMS	2-4	1200	6140	Thu	D Carrier off at 1456z	AM	(qsr711/SSD)
EMS	5-4	0830	6140	Sun	Baeed Anak by Shaimaa Elshayeb	AM	(qsr711/SSD)
EMS	5-4	0930	6140	Sun	Bahaa Sultan – Ehlef	AM	(qsr711/SSD)
EMS	5-4	1030	6140	Sun	Etkallem Alaya by Mohamed Mohy	AM	(qsr711/SSD)
EMS	5-4	1100	6140	Sun	Amr Diab - Betghany Le Min	AM	(qsr711/SSD)
EMS	5-4	1130	6140	Sun	Active	AM	(qsr711/SSD)
EMS	7-4	0815	6140	Tue	Bahaa Sultan - Ya Tara	AM	(qsr711/SSD)
EMS	7-4	0930	6140	Tue	Sherine - 3la Bali	AM	(qsr711/SSD)
EMS	7-4	1130	6140	Tue	Amr Diab	AM	(qsr711/SSD)
EMS	7-4	1145	6140	Tue	Abdel Halim Hafez – Ahdan El Habayeb	AM	(qsr711/SSD)
EMS	7-4	1200	6140	Tue	Fairuz - Asameena	AM	(qsr711/SSD)
EMS	8-4	0930	6140	Wed	Tir Bina Ya Qalbi by Mouhamed Fawzy	AM	(qsr711/SSD)
EMS	8-4	1100	6140	Wed	Amr Diab - Alby	AM	(qsr711/SSD)
EMS	9-4	0800	6140	Thu	Ala Eidak by Sherine Abdel Wahhab	AM	(qsr711/SSD)
EMS	9-4	1000	6140	Thu	Umm Kulthum - Ya Messaharni (Rame/Makawi)	AM	(qsr711/SSD)
EMS	9-4	1115	6140	Thu	Ala Chan Echouk Elli Felouard by Mohamed Abdel Wahab	AM	(qsr711/SSD)
EMS	9-4	1200	6140	Thu	Sabah - Ashka We Meskena	AM	(qsr711/SSD)
EMS	12-4	0800	6140	Sun	Sherine – Btamenak (Bi Kelma Menak)	AM	(qsr711/SSD)
EMS	12-4	0830	6140	Sun	Baeed Anak by Shaimaa Elshayeb, transmitter cut off during the song	AM	(qsr711/SSD)
EMS	12-4	0930	6140	Sun	Bahaa Sultan – Ehlef	AM	(qsr711/SSD)
EMS	12-4	1030	6140	Sun	Etkallem Alaya by Mohamed Mohy	AM	(qsr711/SSD)
EMS	12-4	1130	6140	Sun	Umm Kulthum - Alf Lela We Lela	AM	(qsr711/SSD)
EMS	13-4	0800	6140	Mon	El Qamas (Radio Edit) by Sherine Abdel-Wahab	AM	(qsr711/SSD)
EMS	13-4	0930	6140	Mon	Abdel Halim Hafez - Ay Dama'et Hozn La	AM	(qsr711/SSD)

EMS	13-4	1100	6140	Mon	Amr Diab	AM	(qsr711/SSD)
EMS	13-4	1115	6140	Mon	Bahaa Sultan - Ya Hagerny	AM	(qsr711/SSD)
EMS	14-4	0715	6140	Tue	Umm Kulthum mixtape starting with Enta Omri, had a weird echo effect applied to it	AM	(qsr711/SSD)
EMS	14-4	0815	6140	Tue	Bahaa Sultan - Ya Tara	AM	(qsr711/SSD)
EMS	14-4	0945	6140	Tue	Sherine - 3la Bali	AM	(qsr711/SSD)
EMS	14-4	1131	6140	Tue	Brief carrier	AM	(qsr711/SSD)
EMS	14-4	1145	6140	Tue	Abdel Halim Hafez – Ahdan El Habayeb	AM	(qsr711/SSD)
EMS	14-4	1156	6140	Tue	Fairuz - Asameena Early start	AM	(qsr711/SSD)
EMS	16-4	0700	6140	Thu	Active	AM	(qsr711/SSD)
EMS	16-4	1000	6140	Thu	Amr Diab - Betwashny played 2.5 times in a loop; carrier remained up till after 1300z after the	AM	(qsr711/SSD)
EMS	16-4	1115	6140	Thu	Ala Chan Echouk Elli Felouard by Mohamed Abdel Wahab	AM	(qsr711/SSD)
EMS	16-4	1200	6140	Thu	Sabah - Ashka We Meskena	AM	(qsr711/SSD)
EMS	18-4	0930	6140	Sat	Ana Bastanak Live	AM	(qsr711/SSD)
EMS	19-4	0800	6140	Sun	Sherine – Btamenak (Bi Kelma Menak)	AM	(qsr711/SSD)
EMS	19-4	0830	6140	Sun	Baeed Anak by Shaimaa Elshayeb	AM	(qsr711/SSD)
EMS	19-4	0930	6140	Sun	Bahaa Sultan – Ehlef	AM	(qsr711/SSD)
EMS	19-4	1030	6140	Sun	Etkallem Alaya by Mohamed Mohy	AM	(qsr711/SSD)
EMS	19-4	1100	6140	Sun	Amr Diab - Betghany Le Min	AM	(qsr711/SSD)
EMS	19-4	1130	6140	Sun	Umm Kulthum - Alf Lela We Lela	AM	(qsr711/SSD)
EMS	20-4	0800	6140	Mon	El Qamas (Radio Edit) by Sherine Abdel-Wahab	AM	(qsr711/SSD)
EMS	21-4	0815	6140	Tue	Bahaa Sultan - Ya Tara	AM	(qsr711/SSD)
EMS	21-4	0930	6140	Tue	Sherine - 3la Bali	AM	(qsr711/SSD)
EMS	21-4	1130	6140	Tue	Amr Diab	AM	(qsr711/SSD)
EMS	21-4	1145	6140	Tue	Abdel Halim Hafez – Ahdan El Habayeb	AM	(qsr711/SSD)
EMS	21-4	1200	6140	Tue	Fairuz - Asameena	AM	(qsr711/SSD)
EMS	22-4	0800	6140	Wed	Active	AM	(qsr711/SSD)
EMS	22-4	0845	6140	Wed	Active	AM	(qsr711/SSD)
EMS	22-4	0930	6140	Wed	Tir Bina Ya Qalbi by Mouhamed Fawzy	AM	(qsr711/SSD)
EMS	22-4	1045	6140	Wed	El Hob Koloh	AM	(qsr711/SSD)
EMS	22-4	1100	6140	Wed	Amr Diab - Alby	AM	(qsr711/SSD)
EMS	25-4	1100	6140	Sat	Shaimaa ElShayeb - Aw3dk	AM	(qsr711/SSD)
EMS	26-4	0945	6140	Sun	Unid song	AM	(qsr711/SSD)
EMS	26-4	1000	6140	Sun	Unid song	AM	(qsr711/SSD)
EMS	26-4	1030	6140	Sun	Unid song	AM	(qsr711/SSD)
EMS	28-4	0615	6140	Tue	Umm Kulthum with echo effect	AM	(qsr711/SSD)
EMS	28-4	0715	6140	Tue	Bahaa Sultan - Ya Tara	AM	(qsr711/SSD)
EMS	28-4	0830	6140	Tue	Sherine - 3la Bali	AM	(qsr711/SSD)
EMS	28-4	1030	6140	Tue	Amr Diab	AM	(qsr711/SSD)
EMS	28-4	1045	6140	Tue	Abdel Halim Hafez – Ahdan El Habayeb	AM	(qsr711/SSD)
EMS	28-4	1100	6140	Tue	Fairuz - Asameena	AM	(qsr711/SSD)
EMS	29-4	0830	6140	Wed	Tir Bina Ya Qalbi by Mouhamed Fawzy	AM	(qsr711/SSD)

EMS	29-4	1000	6140	Wed	Amr Diab - Alby	AM	(qsr711/SSD)
EMS	30-4	0600	6140	Thu	Ala Eidak by Sherine Abdel Wahhab	AM	(qsr711/SSD)
EMS	30-4	0900	6140	Thu	Umm Kulthum - Ya Messaharni (Rame/Makawi)	AM	(qsr711/SSD)
EMS	30-4	1030	6140	Thu	Ala Chan Echouk Elli Felouard by Mohamed Abdel Wahab	AM	(qsr711/SSD)
EMS	30-4	1100	6140	Thu	Sabah - Ashka We Meskena	AM	(qsr711/SSD)
F01	1-4	1015	10177	Wed	Message 99	FSK 200/500	(AB)
F01	1-4	1025	8076	Wed	Message 99	FSK 200/500	(AB)
F01	1-4	1035	6974	Wed	Message 99	FSK 200/500	(AB)
F01	2-4	1015	10177	Thu	Messages 01 and 02	FSK 200/500	(AB)
F01	2-4	1025	8076	Thu	Messages 01 and 02	FSK 200/500	(AB)
F01	2-4	1035	6974	Thu	Messages 01 and 02	FSK 200/500	(AB)
F01	3-4	1015	10177	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	3-4	1025	8076	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	3-4	1035	6974	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	6-4	1015	10177	Mon	Message 03	FSK 200/500	(AB)
F01	6-4	1025	8076	Mon	Message 03	FSK 200/500	(AB)
F01	6-4	1035	6974	Mon	Message 03	FSK 200/500	(AB)
F01	7-4	1015	10177	Tue	Messages 04 and 05	FSK 200/500	(AB)
F01	7-4	1025	8076	Tue	Messages 04 and 05	FSK 200/500	(AB)
F01	7-4	1035	6974	Tue	Messages 04 and 05	FSK 200/500	(AB)
F01	8-4	1015	10177	Wed	Message 06	FSK 200/500	(AB)
F01	8-4	1025	8076	Wed	Message 06	FSK 200/500	(AB)
F01	8-4	1035	6974	Wed	Message 06	FSK 200/500	(AB)
F01	9-4	1015	10177	Thu	Messages 07 and 08	FSK 200/500	(AB)
F01	9-4	1025	8076	Thu	Messages 07 and 08	FSK 200/500	(AB)
F01	9-4	1035	6974	Thu	Messages 07 and 08	FSK 200/500	(AB)
F01	10-4	1015	10177	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	10-4	1025	8076	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	10-4	1035	6974	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	13-4	1015	10177	Mon	Message 09	FSK 200/500	(AB)
F01	13-4	1025	8076	Mon	Message 09	FSK 200/500	(AB)
F01	13-4	1035	6974	Mon	Message 09	FSK 200/500	(AB)
F01	14-4	1015	10177	Tue	Messages 10 and 11	FSK 200/500	(AB)
F01	14-4	1025	8076	Tue	Messages 10 and 11	FSK 200/500	(AB)
F01	14-4	1035	6974	Tue	Messages 10 and 11	FSK 200/500	(AB)
F01	15-4	1015	10177	Wed	Message 12	FSK 200/500	(AB)
F01	15-4	1025	8076	Wed	Message 12	FSK 200/500	(AB)
F01	15-4	1035	6974	Wed	Message 12	FSK 200/500	(AB)
F01	16-4	1015	10177	Thu	Messages 13 and 14	FSK 200/500	(AB)
F01	16-4	1025	8076	Thu	Messages 13 and 14	FSK 200/500	(AB)
F01	16-4	1035	6974	Thu	Messages 13 and 14	FSK 200/500	(AB)
F01	17-4	1015	10177	Fri	00000 +++++ +++++	FSK 200/500	(AB)

F01	17-4	1025	8076	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	17-4	1035	6974	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	20-4	1015	10177	Mon	Message 15	FSK 200/500	(AB)
F01	20-4	1025	8076	Mon	Message 15	FSK 200/500	(AB)
F01	20-4	1035	6974	Mon	Message 15	FSK 200/500	(AB)
F01	21-4	1015	10177	Tue	Messages 16 and 17	FSK 200/500	(AB)
F01	21-4	1025	8076	Tue	Messages 16 and 17	FSK 200/500	(AB)
F01	21-4	1035	6974	Tue	Messages 16 and 17	FSK 200/500	(AB)
F01	22-4	1015	10177	Wed	Message 18	FSK 200/500	(AB)
F01	22-4	1025	8076	Wed	Message 18	FSK 200/500	(AB)
F01	22-4	1035	6974	Wed	Message 18	FSK 200/500	(AB)
F01	23-4	1015	10177	Thu	Not monitored	FSK 200/500	(AB)
F01	23-4	1025	8076	Thu	Not monitored	FSK 200/500	(AB)
F01	23-4	1035	6974	Thu	Not monitored	FSK 200/500	(AB)
F01	24-4	1015	10177	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	24-4	1025	8076	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	24-4	1035	6974	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	27-4	1015	10177	Mon	Message 21	FSK 200/500	(AB)
F01	27-4	1025	8076	Mon	Message 21	FSK 200/500	(AB)
F01	27-4	1035	6974	Mon	Message 21	FSK 200/500	(AB)
F01	28-4	1015	10177	Tue	Messages 22 and 23	FSK 200/500	(AB)
F01	28-4	1025	8076	Tue	Messages 22 and 23	FSK 200/500	(AB)
F01	28-4	1035	6974	Tue	Messages 22 and 23	FSK 200/500	(AB)
F01	29-4	1015	10177	Wed	Message 24	FSK 200/500	(AB)
F01	29-4	1025	8076	Wed	Message 24	FSK 200/500	(AB)
F01	29-4	1035	6974	Wed	Message 24	FSK 200/500	(AB)
F01	30-4	1015	10177	Thu	Messages 25 and 26	FSK 200/500	(AB)
F01	30-4	1025	8076	Thu	Messages 25 and 26	FSK 200/500	(AB)
F01	30-4	1035	6974	Thu	Messages 25 and 26	FSK 200/500	(AB)
F02	7-4	0752	14983	Tue	Russian domestic net. Test	MFSK-4 150Bd/4000Hz	(AB)
F02	7-4	0800	14983	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	14-4	0746	14983	Tue	Russian domestic net. Test	MFSK-4 150Bd/4000Hz	(AB)
F02	14-4	0800	14983	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	14-4	0810	13883	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	14-4	1005	16251	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	14-4	1012	16251	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	14-4	1021	16251	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	14-4	1625	15662	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	14-4	1637	15662	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	21-4	0800	14983	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	21-4	0810	13883	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	21-4	0828	12142	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(FD)

F02	21-4	1428	16237	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(FD)
F02	21-4	1436	16237	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(FD)
F02	28-4	0800	14983	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	28-4	0810	13883	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F03j	1-4	0615	19910	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-4	0620	19910	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-4	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-4	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-4	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-4	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-4	0810	21854	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-4	0815	21854	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-4	0615	19910	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-4	0620	19910	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-4	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-4	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-4	0810	21854	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-4	0815	21854	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-4	1030	12202	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-4	1035	12202	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-4	0635	23157	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-4	0640	23157	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-4	0810	15690	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-4	0815	15690	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-4	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-4	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-4	0615	19910	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-4	0620	19910	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-4	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-4	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-4	1030	12202	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-4	1035	12202	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-4	0635	23157	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-4	0640	23157	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-4	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-4	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-4	0810	21854	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-4	0815	21854	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-4	0850	15690	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-4	0855	15690	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-4	0810	21854	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	13-4	0815	21854	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)

F03j	13-4	1030	12202	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-4	1035	12202	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-4	0615	14398	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-4	0620	14398	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-4	0635	23157	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	14-4	0640	23157	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	14-4	0810	15690	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-4	0815	15690	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-4	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-4	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-4	0615	19910	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-4	0620	19910	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-4	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-4	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-4	1030	12202	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-4	1035	12202	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-4	0615	14398	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-4	0620	14398	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-4	0635	23157	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-4	0640	23157	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-4	0700	8305	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-4	0705	8305	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-4	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-4	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-4	0700	8305	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-4	0705	8305	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-4	0810	21854	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	17-4	0815	21854	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	17-4	0850	15690	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	17-4	0855	15690	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	20-4	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-4	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-4	0810	21854	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	20-4	0815	21854	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	20-4	1030	12202	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-4	1035	12202	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-4	0615	14398	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-4	0620	14398	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-4	0635	23157	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	21-4	0640	23157	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	21-4	0810	15690	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-4	0815	15690	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	21-4	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-4	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-4	1030	12202	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-4	1035	12202	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-4	0615	14398	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-4	0620	14398	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-4	0635	23157	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	23-4	0640	23157	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	23-4	0700	8305	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-4	0705	8305	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-4	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-4	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-4	0700	8305	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-4	0705	8305	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-4	0810	21854	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	24-4	0815	21854	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	24-4	0850	15690	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	24-4	0855	15690	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	27-4	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-4	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-4	0810	21854	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	27-4	0815	21854	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	27-4	1030	12202	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-4	1035	12202	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-4	0615	14398	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-4	0620	14398	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-4	0635	23157	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	28-4	0640	23157	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	28-4	0810	15690	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-4	0815	15690	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-4	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-4	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-4	1030	12202	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-4	1035	12202	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-4	0615	14398	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-4	0620	14398	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-4	0635	23157	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	30-4	0640	23157	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	30-4	0700	8305	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-4	0705	8305	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-4	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-4	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03I	1-4	0530	20486	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	1-4	0535	20486	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	1-4	0800	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	1-4	0805	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	1-4	0915	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	1-4	0920	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	1-4	1010	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	1-4	1015	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	1-4	1315	15915	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	1-4	1320	15915	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-4	0725	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-4	0730	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-4	0735	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-4	0740	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-4	0915	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-4	0920	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-4	1830	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	2-4	1835	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	3-4	0930	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	3-4	0935	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	3-4	0945	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	3-4	0950	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	3-4	1315	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	3-4	1320	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	3-4	1500	10298	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	3-4	1500	10298	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-4	0530	20486	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	6-4	0535	20486	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	6-4	0735	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-4	0740	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-4	0930	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-4	0935	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-4	1010	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-4	1015	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-4	1830	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	6-4	1835	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-4	0725	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-4	0730	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-4	0920	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-4	0925	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-4	0945	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-4	0950	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)

F03I	7-4	1500	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	7-4	1500	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-4	0530	20486	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	8-4	0535	20486	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	8-4	0800	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-4	0805	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-4	0915	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-4	0920	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-4	1010	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	8-4	1015	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-4	0725	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-4	0730	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-4	0735	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-4	0740	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-4	0915	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-4	0920	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-4	1830	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	9-4	1835	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	10-4	0930	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	10-4	0935	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	10-4	0945	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	10-4	0950	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	10-4	1315	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	10-4	1320	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	10-4	1500	10298	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	10-4	1500	10298	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-4	0530	20486	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	13-4	0535	20486	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	13-4	0735	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-4	0740	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-4	0930	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-4	0935	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-4	1010	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-4	1015	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-4	1830	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	13-4	1835	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	14-4	0725	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	14-4	0730	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	14-4	0920	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	14-4	0925	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	14-4	0945	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	14-4	0950	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)

F03I	14-4	1500	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	14-4	1500	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	15-4	0530	20486	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	15-4	0535	20486	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	15-4	0800	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	15-4	0805	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	15-4	0915	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	15-4	0920	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	15-4	1010	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	15-4	1015	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-4	0725	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-4	0730	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-4	0735	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-4	0740	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-4	0915	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-4	0920	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-4	1830	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	16-4	1835	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	17-4	0930	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	17-4	0935	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	17-4	0945	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	17-4	0950	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	17-4	1315	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	17-4	1320	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	17-4	1500	10298	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	17-4	1500	10298	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-4	0530	20486	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	20-4	0535	20486	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	20-4	0735	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-4	0740	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-4	0930	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-4	0935	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-4	1010	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-4	1015	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-4	1830	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	20-4	1835	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-4	0725	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-4	0730	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-4	0920	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-4	0925	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-4	0945	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-4	0950	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)

F03I	21-4	1500	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	21-4	1500	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-4	0530	20486	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	22-4	0535	20486	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	22-4	0800	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-4	0805	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-4	0915	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-4	0920	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-4	1010	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	22-4	1015	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-4	0725	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-4	0730	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-4	0735	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-4	0740	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-4	0915	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-4	0920	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-4	1830	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	23-4	1835	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	24-4	0930	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	24-4	0935	6397	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	24-4	0945	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	24-4	0950	6940	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	24-4	1315	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	24-4	1320	15915	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	24-4	1500	10298	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	24-4	1500	10298	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-4	0530	20486	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	27-4	0535	20486	Mon	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	27-4	0735	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-4	0740	10641	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-4	0930	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-4	0935	6397	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-4	1010	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-4	1015	12153	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-4	1830	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	27-4	1835	7798	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-4	0725	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-4	0730	13873	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-4	0920	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-4	0925	18030	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-4	0945	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-4	0950	6940	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)

F03I	28-4	1500	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	28-4	1500	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-4	0530	20486	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	29-4	0535	20486	Wed	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
F03I	29-4	0800	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-4	0805	18030	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-4	0915	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-4	0920	6849	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-4	1010	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	29-4	1015	12153	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-4	0725	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-4	0730	13873	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-4	0735	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-4	0740	10641	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-4	0915	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-4	0920	6849	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-4	1830	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F03I	30-4	1835	7798	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
F06	2-4	0700	11054	Thu	11166 70202 25963 01005 01239 and 11166 70202 85416 01006 02259	FSK 200/1000	(AB)
F06	2-4	0710	8189	Thu	11166 70202 25963 01005 01239 and 11166 70202 85416 01006 02259	FSK 200/1000	(AB-S)
F06	2-4	0720	6852	Thu	11166 70202 25963 01005 01239 and 11166 70202 85416 01006 02259	FSK 200/1000	(AB-S)
F06	2-4	1200	10388	Thu	11166 70202 25963 01005 01239 and 11166 70202 85416 01006 02259	FSK 200/1000	(AB)
F06	2-4	1210	8084	Thu	11166 70202 25963 01005 01239 and 11166 70202 85416 01006 02259	FSK 200/1000	(AB)
F06	2-4	1220	6780	Thu	11166 70202 25963 01005 01239 and 11166 70202 85416 01006 02259	FSK 200/1000	(AB)
F06	2-4	1330	20875	Thu	11166 80214 81209 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-4	1340	19947	Thu	11166 80214 81209 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-4	1350	14571	Thu	11166 80214 81209 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-4	0500	11166	Fri	11166 60070 98756 23078 01519	FSK 200/1000	(PY)
F06	3-4	0510	12165	Fri	11166 60070 98756 23078 01519	FSK 200/1000	(AB)
F06	3-4	0520	13529	Fri	11166 60070 98756 23078 01519	FSK 200/1000	(AB)
F06	3-4	0700	11054	Fri	11166 70202 26598 03003 00049 00000 00000 00000 0000	FSK 200/1000	(AB/Hiram)
F06	3-4	0710	8189	Fri	11166 70202 26598 03003 00049 00000 00000 00000 0000	FSK 200/1000	(AB-S/Hiram)
F06	3-4	0720	6852	Fri	11166 70202 26598 03003 00049 00000 00000 00000 0000	FSK 200/1000	(AB-S)
F06	4-4	1700	11567	Sat	11100 00000 14625 03043 02239	FSK 200/2000	(AB)
F06	4-4	1700	11567	Sat	11100 00000 14625 03043 02239	FSK 200/1000	(PY)
F06	4-4	1710	9425	Sat	11100 00000 14625 03043 02239	FSK 200/2000	(AB)
F06	4-4	1710	9425	Sat	11100 00000 14625 03043 02239	FSK 200/1000	(PY)
F06	4-4	1720	5913	Sat	11100 00000 14625 03043 02239	FSK 200/2000	(AB)
F06	4-4	1720	5913	Sat	11100 00000 14625 03043 02239	FSK 200/1000	(PY)
F06	5-4	0830	13921	Sun	11100 00000 14625 03043 02239	FSK 200/2000	(AB)
F06	5-4	0830	13921	Sun	11100 00000 14625 03043 02239	FSK 200/1000	(PY)
F06	5-4	0840	11611	Sun	11100 00000 14625 03043 02239	FSK 200/2000	(AB)

F06	5-4	0840	11611	Sun	11100 00000 14625 03043 02239	FSK 200/1000	(PY)
F06	5-4	0850	9426	Sun	11100 00000 14625 03043 02239	FSK 200/2000	(AB)
F06	5-4	0850	9426	Sun	11100 00000 14625 03043 02239	FSK 200/1000	(PY)
F06	5-4	1000	13921	Sun	11100 00000 34985 09044 01579	FSK 200/1000	(PY)
F06	5-4	1010	11611	Sun	11100 00000 34985 09044 01579	FSK 200/1000	(PY)
F06	5-4	1020	9426	Sun	11100 00000 34985 09044 01579	FSK 200/1000	(PY)
F06	5-4	1530	22877	Sun	Null messages (too weak to copy)	FSK 200/1000	(AB)
F06	5-4	1540	20947	Sun	Null messages (too weak to copy)	FSK 200/1000	(AB)
F06	5-4	1550	15893	Sun	Null messages (too weak to copy)	FSK 200/1000	(AB)
F06	6-4	0800	9437	Mon	11100 00000 32519 03038 01179	FSK 200/1000	(AB/Hiram)
F06	6-4	0810	7691	Mon	11100 00000 32519 03038 01179	FSK 200/1000	(AB)
F06	6-4	0820	5783	Mon	11100 00000 32519 03038 01179	FSK 200/1000	(AB/Hiram)
F06	7-4	0700	11054	Tue	11166 70202 74512 06008 01139 and 11166 70202 60328 06009 02079	FSK 200/1000	(AB)
F06	7-4	0710	8189	Tue	11166 70202 74512 06008 01139 and 11166 70202 60328 06009 02079	FSK 200/1000	(AB)
F06	7-4	0720	6852	Tue	11166 70202 74512 06008 01139 and 11166 70202 60328 06009 02079	FSK 200/1000	(AB-S)
F06	7-4	0800	9437	Tue	11100 00000 32519 03038 01179	FSK 200/1000	(AB/Hiram)
F06	7-4	0810	7691	Tue	11100 00000 32519 03038 01179	FSK 200/1000	(AB/Hiram)
F06	7-4	0820	5783	Tue	11100 00000 32519 03038 01179	FSK 200/1000	(AB)
F06	7-4	1200	10388	Tue	11166 70202 74512 06008 01139 and 11166 70202 60328 06009 02079	FSK 200/1000	(AB)
F06	7-4	1210	8084	Tue	11166 70202 74512 06008 01139 and 11166 70202 60328 06009 02079	FSK 200/1000	(AB)
F06	7-4	1220	6780	Tue	11166 70202 74512 06008 01139 and 11166 70202 60328 06009 02079	FSK 200/1000	(AB)
F06	7-4	1650	20971	Tue	11166 10053 13579 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-4	1700	15915	Tue	11166 10053 13579 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-4	1710	14386	Tue	11166 10053 13579 07001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-4	0700	11054	Thu	11166 70202 96521 08011 01639 and 11166 70202 78563 08012 01839	FSK 200/1000	(AB/Hiram)
F06	9-4	0710	8189	Thu	11166 70202 96521 08011 01639 and 11166 70202 78563 08012 01839	FSK 200/1000	(AB-S/Hiram)
F06	9-4	0720	6852	Thu	11166 70202 96521 08011 01639 and 11166 70202 78563 08012 01839	FSK 200/1000	(AB-S)
F06	9-4	1200	10388	Thu	11166 70202 96521 08011 01639 and 11166 70202 78563 08012 01839	FSK 200/1000	(AB)
F06	9-4	1210	8084	Thu	11166 70202 96521 08011 01639 and 11166 70202 78563 08012 01839	FSK 200/1000	(AB)
F06	9-4	1220	6780	Thu	11166 70202 96521 08011 01639 and 11166 70202 78563 08012 01839	FSK 200/1000	(AB)
F06	9-4	1330	20875	Thu	11166 80214 34985 09051 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-4	1340	19947	Thu	11166 80214 34985 09051 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-4	1350	14571	Thu	11166 80214 34985 09051 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-4	0700	11054	Fri	11166 70202 97645 10010 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-4	0710	8189	Fri	11166 70202 97645 10010 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	10-4	0720	6852	Fri	11166 70202 97645 10010 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	11-4	1700	11567	Sat	11100 00000 26481 10045 02479	FSK 200/2000	(AB)
F06	11-4	1700	11567	Sat	11100 00000 26481 10045 02479	FSK 200/1000	(PY)
F06	11-4	1710	9425	Sat	11100 00000 26481 10045 02479	FSK 200/2000	(AB)
F06	11-4	1720	5913	Sat	11100 00000 26481 10045 02479	FSK 200/2000	(AB)
F06	12-4	0830	13921	Sun	11100 00000 26481 10045 02479	FSK 200/2000	(AB)
F06	12-4	0830	13921	Sun	11100 00000 26481 10045 02479	FSK 200/1000	(PY)

F06	12-4	0840	11611	Sun	11100 00000 26481 10045 02479	FSK 200/2000	(AB)
F06	12-4	0850	9426	Sun	11100 00000 26481 10045 02479	FSK 200/2000	(AB)
F06	12-4	1530	22877	Sun	11166 10053 35874 12082 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRQ)
F06	12-4	1540	20947	Sun	11166 10053 35874 12082 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRQ)
F06	12-4	1550	15893	Sun	11166 10053 35874 12082 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-4	0800	9437	Mon	11100 00000 42519 10039 01259	FSK 200/1000	(AB)
F06	13-4	0810	7691	Mon	11100 00000 42519 10039 01259	FSK 200/1000	(AB)
F06	13-4	0820	5783	Mon	11100 00000 42519 10039 01259	FSK 200/1000	(AB)
F06	14-4	0030	11125	Tue	11166 60070 98756 23078 01519	FSK 200/1000	(AB)
F06	14-4	0040	9329	Tue	11166 60070 98756 23078 01519	FSK 200/1000	(AB)
F06	14-4	0050	8097	Tue	11166 60070 98756 23078 01519	FSK 200/1000	(AB)
F06	14-4	0700	11054	Tue	11166 70202 42859 13014 02159 and 11166 70202 12378 13015 02019	FSK 200/1000	(AB)
F06	14-4	0710	8189	Tue	11166 70202 42859 13014 02159 and 11166 70202 12378 13015 02019	FSK 200/1000	(AB)
F06	14-4	0720	6852	Tue	11166 70202 42859 13014 02159 and 11166 70202 12378 13015 02019	FSK 200/1000	(AB-S)
F06	14-4	0800	9437	Tue	11100 00000 42519 10039 01259	FSK 200/1000	(AB)
F06	14-4	0810	7691	Tue	11100 00000 42519 10039 01259	FSK 200/1000	(AB)
F06	14-4	0820	5783	Tue	11100 00000 42519 10039 01259	FSK 200/1000	(AB)
F06	14-4	1200	10388	Tue	11166 70202 42859 13014 02159 and 11166 70202 12378 13015 02019	FSK 200/1000	(AB)
F06	14-4	1210	8084	Tue	11166 70202 42859 13014 02159 and 11166 70202 12378 13015 02019	FSK 200/1000	(AB)
F06	14-4	1220	6780	Tue	11166 70202 42859 13014 02159 and 11166 70202 12378 13015 02019	FSK 200/1000	(AB)
F06	14-4	1650	20971	Tue	11166 10053 34685 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-4	1700	15915	Tue	11166 10053 34685 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-4	1710	14386	Tue	11166 10053 34685 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-4	0700	11054	Thu	11166 70202 86521 15017 01739 and 11166 70202 98563 15018 01839	FSK 200/1000	(AB)
F06	16-4	0710	8189	Thu	11166 70202 86521 15017 01739 and 11166 70202 98563 15018 01839	FSK 200/1000	(AB-S)
F06	16-4	0720	6852	Thu	11166 70202 86521 15017 01739 and 11166 70202 98563 15018 01839	FSK 200/1000	(AB-S)
F06	16-4	1200	10388	Thu	11166 70202 86521 15017 01739 and 11166 70202 98563 15018 01839	FSK 200/1000	(AB)
F06	16-4	1210	8084	Thu	11166 70202 86521 15017 01739 and 11166 70202 98563 15018 01839	FSK 200/1000	(AB)
F06	16-4	1220	6780	Thu	11166 70202 86521 15017 01739 and 11166 70202 98563 15018 01839	FSK 200/1000	(AB)
F06	16-4	1330	20875	Thu	11166 80214 75982 16011 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRL)
F06	16-4	1340	19947	Thu	11166 80214 75982 16011 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRL)
F06	16-4	1350	14571	Thu	11166 80214 75982 16011 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-4	1501	9300	Thu	11100 09993 12345 16001 00049 00000 00000 00000 00000, TX cut off after ~5m10s	FSK 200/1000	(PY)
F06	17-4	0500	12219	Fri	11166 60070 98756 23078 01519	FSK 200/1000	(AB)
F06	17-4	0510	13471	Fri	11166 60070 98756 23078 01519	FSK 200/1000	(AB)
F06	17-4	0520	14345	Fri	11166 60070 98756 23078 01519	FSK 200/1000	(AB)
F06	17-4	0637	9300	Fri	11100 09993 12345 17001 00069 12378 10923 76251 10923 12345 00000 TX cut off after ~3m15s	FSK 200/1000	(PY)
F06	17-4	0643	9300	Fri	11100 09993 12345 17001 00069 12378 10923 76251 10923 12345 00000 TX cut off after ~2m10s	FSK 200/1000	(PY)
F06	17-4	0650	9300	Fri	11100 09993 12345 17001 00069 12378 10923 76251 10923 12345 00000 TX cut off after ~2m10s	FSK 200/1000	(PY)

F06	17-4	0700	11054	Fri	11166 70202 93715 17061 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-4	0702	9300	Fri	11100 09993 12345 17001 00069 12378 10923 76251 10923 12345 00000 TX cut off after ~40s	FSK 200/1000	(PY)
F06	17-4	0710	8189	Fri	11166 70202 93715 17061 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	17-4	0720	6852	Fri	11166 70202 93715 17061 00049 00000 00000 00000 00000	FSK 200/1000	(AB-S)
F06	18-4	1700	11567	Sat	11100 00000 96745 17046 01959	FSK 200/2000	(AB)
F06	18-4	1700	11567	Sat	11100 00000 96745 17046 01959	FSK 200/1000	(PY)
F06	18-4	1710	9425	Sat	11100 00000 96745 17046 01959	FSK 200/2000	(AB)
F06	18-4	1720	5913	Sat	11100 00000 96745 17046 01959	FSK 200/2000	(AB)
F06	19-4	0830	13921	Sun	11100 00000 96745 17046 01959	FSK 200/2000	(AB)
F06	19-4	0830	13921	Sun	11100 00000 96745 17046 01959	FSK 200/1000	(PY)
F06	19-4	0840	11611	Sun	11100 00000 96745 17046 01959	FSK 200/2000	(AB)
F06	19-4	0850	9426	Sun	11100 00000 96745 17046 01959	FSK 200/2000	(AB)
F06	19-4	1530	22877	Sun	11166 10053 15792 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	19-4	1540	20947	Sun	11166 10053 15792 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	19-4	1550	15893	Sun	11166 10053 15792 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-4	0800	9437	Mon	11100 00000 52147 17040 01079	FSK 200/1000	(AB)
F06	20-4	0810	7691	Mon	11100 00000 52147 17040 01079	FSK 200/1000	(AB)
F06	20-4	0820	5783	Mon	11100 00000 52147 17040 01079	FSK 200/1000	(AB)
F06	21-4	0030	11125	Tue	11166 60070 98756 23078 01519	FSK 200/1000	(AB-POL)
F06	21-4	0040	9329	Tue	11166 60070 98756 23078 01519	FSK 200/1000	(AB-POL)
F06	21-4	0050	8097	Tue	11166 60070 98756 23078 01519	FSK 200/1000	(AB-POL)
F06	21-4	0700	11054	Tue	11166 70202 36251 20020 01639 and 11166 70202 49168 20021 01939	FSK 200/1000	(AB)
F06	21-4	0710	8189	Tue	11166 70202 36251 20020 01639 and 11166 70202 49168 20021 01939	FSK 200/1000	(AB)
F06	21-4	0720	6852	Tue	11166 70202 36251 20020 01639 and 11166 70202 49168 20021 01939	FSK 200/1000	(AB-S)
F06	21-4	0800	9437	Tue	11100 00000 52147 17040 01079	FSK 200/1000	(AB)
F06	21-4	0810	7691	Tue	11100 00000 52147 17040 01079	FSK 200/1000	(AB)
F06	21-4	0820	5783	Tue	11100 00000 52147 17040 01079	FSK 200/1000	(AB)
F06	21-4	1200	10388	Tue	11166 70202 36251 20020 01639 and 11166 70202 49168 20021 01939	FSK 200/1000	(AB)
F06	21-4	1210	8084	Tue	11166 70202 36251 20020 01639 and 11166 70202 49168 20021 01939	FSK 200/1000	(AB)
F06	21-4	1220	6780	Tue	11166 70202 36251 20020 01639 and 11166 70202 49168 20021 01939	FSK 200/1000	(AB)
F06	21-4	1650	20971	Tue	11166 10053 31587 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-CYP)
F06	21-4	1700	15915	Tue	11166 10053 31587 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-4	1710	14386	Tue	11166 10053 31587 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-4	0700	11054	Thu	11166 70202 23145 22023 01839 and 11166 70202 31897 22024 02239	FSK 200/1000	(AB)
F06	23-4	0710	8189	Thu	11166 70202 23145 22023 01839 and 11166 70202 31897 22024 02239	FSK 200/1000	(AB-S)
F06	23-4	0720	6852	Thu	11166 70202 23145 22023 01839 and 11166 70202 31897 22024 02239	FSK 200/1000	(AB-S)
F06	23-4	1120	9481	Thu	11100 00000 13490 23069 02629	FSK 200/1000	(PY)
F06	23-4	1130	10687	Thu	11100 00000 13490 23069 02629	FSK 200/1000	(PY)
F06	23-4	1140	11611	Thu	11100 00000 13490 23069 02629	FSK 200/1000	(PY)
F06	23-4	1155	9481	Thu	11100 00000 13490 23069 02629	FSK 200/1000	(PY)
F06	23-4	1200	10388	Thu	11166 70202 23145 22023 01839 and 11166 70202 31897 22024 02239	FSK 200/1000	(AB)

F06	23-4	1205	10687	Thu	11100 00000 13490 23069 02629	FSK 200/1000	(PY)
F06	23-4	1210	8084	Thu	11166 70202 23145 22023 01839 and 11166 70202 31897 22024 02239	FSK 200/1000	(AB)
F06	23-4	1215	11611	Thu	11100 00000 13490 23069 02629	FSK 200/1000	(PY)
F06	23-4	1220	6780	Thu	11166 70202 23145 22023 01839 and 11166 70202 31897 22024 02239	FSK 200/1000	(AB)
F06	23-4	1330	20875	Thu	Not heard	FSK 200/1000	(AB)
F06	23-4	1340	19947	Thu	11166 80214 63418 23091 00049 00000 00000 00000 00000	FSK 200/1000	(AB-IRL)
F06	23-4	1350	14571	Thu	11166 80214 63418 23091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-4	1356	9481	Thu	Pre-TX test "464646", then immediately retuned to 11611 kHz, no actual F06 TX	FSK 200/1000	(PY)
F06	24-4	0500	12219	Fri	11166 60070 98756 23078 01519	FSK 200/1000	(AB)
F06	24-4	0510	13471	Fri	11166 60070 98756 23078 01519	FSK 200/1000	(AB)
F06	24-4	0520	14345	Fri	11166 60070 98756 23078 01519	FSK 200/1000	(AB)
F06	24-4	0700	11054	Fri	No message. Info block only: [#0] [INFO] 1 blocks, 1 message(s)	FSK 200/1000	(AB)
F06	24-4	0710	8189	Fri	No message. Info block only: [#0] [INFO] 1 blocks, 1 message(s)	FSK 200/1000	(AB-FIN)
F06	24-4	0720	6852	Fri	No message. Info block only: [#0] [INFO] 1 blocks, 1 message(s)	FSK 200/1000	(AB-FIN)
F06	25-4	1700	11567	Sat	11100 00000 05693 24047 01539	FSK 200/2000	(AB)
F06	25-4	1700	11567	Sat	11100 00000 05693 24047 01539	FSK 200/1000	(PY)
F06	25-4	1710	9425	Sat	11100 00000 05693 24047 01539	FSK 200/2000	(AB)
F06	25-4	1720	5913	Sat	11100 00000 05693 24047 01539	FSK 200/2000	(AB)
F06	26-4	0830	13921	Sun	11100 00000 05693 24047 01539	FSK 200/2000	(AB)
F06	26-4	0830	13921	Sun	11100 00000 05693 24047 01539	FSK 200/1000	(PY)
F06	26-4	0840	11611	Sun	11100 00000 05693 24047 01539	FSK 200/2000	(AB)
F06	26-4	0850	9426	Sun	11100 00000 05693 24047 01539	FSK 200/2000	(AB)
F06	26-4	1530	22877	Sun	11166 10053 72194 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	26-4	1540	20947	Sun	11166 10053 72194 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	26-4	1550	15893	Sun	11166 10053 72194 26001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-4	0730	5089	Mon	Barely audible	FSK 200/1000	(PY)
F06	27-4	0740	7337	Mon	11100 00000 25879 27073 02579 interruptions in modulation	FSK 200/1000	(PY)
F06	27-4	0750	9481	Mon	11100 00000 25879 27073 02579	FSK 200/1000	(PY)
F06	27-4	0800	9437	Mon	11100 00000 78194 27041 01539	FSK 200/1000	(AB)
F06	27-4	0810	7691	Mon	11100 00000 78194 27041 01539	FSK 200/1000	(AB)
F06	27-4	0820	5783	Mon	11100 00000 78194 27041 01539	FSK 200/1000	(AB)
F06	28-4	0030	11125	Tue	11166 60070 98756 23078 01519	FSK 200/1000	(AB-POL)
F06	28-4	0040	9329	Tue	11166 60070 98756 23078 01519	FSK 200/1000	(AB-POL)
F06	28-4	0050	8097	Tue	11166 60070 98756 23078 01519	FSK 200/1000	(AB-POL)
F06	28-4	0640	9300	Tue	Filename unknown, 5FG text file, ~6m TX	FSK 200/1000	(PY)
F06	28-4	0700	11054	Tue	11166 70202 14285 27026 01419 and 11166 70202 52164 27027 02399	FSK 200/1000	(AB)
F06	28-4	0710	8189	Tue	11166 70202 14285 27026 01419 and 11166 70202 52164 27027 02399	FSK 200/1000	(AB)
F06	28-4	0720	6852	Tue	11166 70202 14285 27026 01419 and 11166 70202 52164 27027 02399	FSK 200/1000	(AB-S)
F06	28-4	0800	9437	Tue	11100 00000 78194 27041 01539	FSK 200/1000	(AB)
F06	28-4	0810	7691	Tue	11100 00000 78194 27041 01539	FSK 200/1000	(AB)
F06	28-4	0820	5783	Tue	11100 00000 78194 27041 01539	FSK 200/1000	(AB)
F06	28-4	1200	10388	Tue	11166 70202 14285 27026 01419 and 11166 70202 52164 27027 02399	FSK 200/1000	(AB)

F06	28-4	1210	8084	Tue	11166 70202 14285 27026 01419 and 11166 70202 52164 27027 02399	FSK 200/1000	(AB)
F06	28-4	1220	6780	Tue	11166 70202 14285 27026 01419 and 11166 70202 52164 27027 02399	FSK 200/1000	(AB)
F06	28-4	1650	20971	Tue	11166 10053 19647 28082 00049 00000 00000 00000 00000	FSK 200/1000	(AB-CYP)
F06	28-4	1700	15915	Tue	11166 10053 19647 28082 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-4	1710	14386	Tue	11166 10053 19647 28082 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-4	0945	6957	Wed	_KI79993.003 (1559 bytes). Header: 11100 79993 25679 29003 02509	FSK 200/1000	(PY)
F06	29-4	0955	9425	Wed	_KI79993.003 (1559 bytes). Header: 11100 79993 25679 29003 02509	FSK 200/1000	(PY)
f06	29-4	1005	11611	Wed	_KI79993.003 (1559 bytes). Header: 11100 79993 25679 29003 02509	FSK 200/1000	(PY)
F06	30-4	0700	11054	Thu	11166 70202 85963 29029 01639 and 11166 70202 26598 29030 01739	FSK 200/1000	(AB)
F06	30-4	0710	8189	Thu	11166 70202 85963 29029 01639 and 11166 70202 26598 29030 01739	FSK 200/1000	(AB-S)
F06	30-4	0720	6852	Thu	11166 70202 85963 29029 01639 and 11166 70202 26598 29030 01739	FSK 200/1000	(AB-S)
F06	30-4	1200	10388	Thu	11166 70202 85963 29029 01639 and 11166 70202 26598 29030 01739	FSK 200/1000	(AB)
F06	30-4	1210	8084	Thu	11166 70202 85963 29029 01639 and 11166 70202 26598 29030 01739	FSK 200/1000	(AB)
F06	30-4	1220	6780	Thu	11166 70202 85963 29029 01639 and 11166 70202 26598 29030 01739	FSK 200/1000	(AB)
F06	30-4	1330	20875	Thu	11166 80214 48596 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-4	1340	19947	Thu	11166 80214 48596 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-4	1350	14571	Thu	11166 80214 48596 30001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06a	30-3	1240	5913	Mon	File 04454 (2349 bytes, binary contents)	FSK 200/1000	(PY)
F06a	30-3	1255	7992	Mon	File 04454 (2349 bytes, binary contents)	FSK 200/1000	(PY)
F06a	30-3	1310	10687	Mon	File 04454 (2349 bytes, binary contents)	FSK 200/1000	(PY)
F06a	1-4	0600	14763	Wed	File 42488 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	1-4	0615	16325	Wed	File 42488 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	1-4	0630	19561	Wed	File 42488 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	1-4	0700	11054	Wed	File 44404 (binary contents)	FSK 200/1000	(AB)
F06a	1-4	0715	8189	Wed	File 44404 (binary contents)	FSK 200/1000	(AB-S)
F06a	1-4	0730	6852	Wed	File 44404 (binary contents)	FSK 200/1000	(AB-S)
F06a	1-4	1200	10388	Wed	File 44404 (binary contents)	FSK 200/1000	(AB)
F06a	1-4	1215	8084	Wed	File 44404 (binary contents)	FSK 200/1000	(AB)
F06a	1-4	1230	6780	Wed	File 44404 (binary contents)	FSK 200/1000	(AB)
F06a	2-4	0600	14763	Thu	File 42488 (binary contents)	FSK 200/1000	(AB)
F06a	2-4	0615	16325	Thu	File 42488 (binary contents)	FSK 200/1000	(AB)
F06a	2-4	0630	19561	Thu	File 42488 (binary contents)	FSK 200/1000	(AB)
F06a	4-4	0800	16253	Sat	Active	FSK 200/1000	(FD)
F06a	4-4	0800	14800	Sat	File 44303 (1638 bytes, binary contents), originating from Moscow	FSK 200/1000	(PY)
F06a	5-4	0800	11638	Sun	Active	FSK 200/1000	(FD)
F06a	5-4	0815	13399	Sun	Active	FSK 200/1000	(FD)
F06a	5-4	0830	14287	Sun	Active	FSK 200/1000	(FD)
F06a	6-4	0700	11054	Mon	File 44407 (binary contents)	FSK 200/1000	(AB)
F06a	6-4	0715	8189	Mon	File 44407 (binary contents)	FSK 200/1000	(AB-S)
F06a	6-4	0730	6852	Mon	File 44407 (binary contents)	FSK 200/1000	(AB-S)
F06a	6-4	1200	10388	Mon	File 44407 (binary contents)	FSK 200/1000	(AB)
F06a	6-4	1215	8084	Mon	File 44407 (binary contents)	FSK 200/1000	(AB)

F06a	6-4	1230	6780	Mon	File 44407 (binary contents)	FSK 200/1000	(AB)
F06a	7-4	1140	6957	Tue	Files 14455 (2048 bytes) binary contents, empty text header and 42456 (2048 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	7-4	1155	9425	Tue	Files 14455 (2048 bytes) binary contents, empty text header and 42456 (2048 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	7-4	1210	11611	Tue	Files 14455 (2048 bytes) binary contents, empty text header and 42456 (2048 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	7-4	1225	9425	Tue	Files 14455 (2048 bytes) binary contents, empty text header and 42456 (2048 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	7-4	1234	9425	Tue	Files 14455 (2048 bytes) binary contents, empty text header and 42456 (2048 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	8-4	0600	14763	Wed	File 44389 (binary contents)	FSK 200/1000	(AB-CYP/Hiram)
F06a	8-4	0615	16325	Wed	File 44389 (binary contents)	FSK 200/1000	(AB-CYP/Hiram)
F06a	8-4	0630	19561	Wed	File 44389 (binary contents)	FSK 200/1000	(AB-CYP/Hiram)
F06a	8-4	0700	11054	Wed	File 44410 (binary contents)	FSK 200/1000	(AB)
F06a	8-4	0715	8189	Wed	File 44410 (binary contents)	FSK 200/1000	(AB-S)
F06a	8-4	0730	6852	Wed	File 44410 (binary contents)	FSK 200/1000	(AB-S)
F06a	8-4	1200	10388	Wed	File 44410 (binary contents)	FSK 200/1000	(AB)
F06a	8-4	1215	8084	Wed	File 44410 (binary contents)	FSK 200/1000	(AB)
F06a	8-4	1230	6780	Wed	File 44410 (binary contents)	FSK 200/1000	(AB)
F06a	9-4	0600	14763	Thu	File 44389 (binary contents)	FSK 200/1000	(AB/Hiram)
F06a	9-4	0615	16325	Thu	File 44389 (binary contents)	FSK 200/1000	(AB/Hiram)
F06a	9-4	0630	19561	Thu	File 44389 (binary contents)	FSK 200/1000	(AB/Hiram)
F06a	12-4	1615	19559	Sun	Ac0ive. too weak to copy	FSK 200/1000	(AB)
F06a	12-4	1630	18261	Sun	Ac0ive. too weak to copy	FSK 200/1000	(AB)
F06a	13-4	0700	11054	Mon	File 44413 (binary contents)	FSK 200/1000	(AB)
F06a	13-4	0715	8189	Mon	File 44413 (binary contents)	FSK 200/1000	(AB)
F06a	13-4	0730	6852	Mon	File 44413 (binary contents)	FSK 200/1000	(AB)
F06a	13-4	1200	10388	Mon	File 44413 (binary contents)	FSK 200/1000	(AB)
F06a	13-4	1215	8084	Mon	File 44413 (binary contents)	FSK 200/1000	(AB)
F06a	13-4	1230	6780	Mon	File 44413 (binary contents)	FSK 200/1000	(AB)
F06a	13-4	1600	13375	Mon	File 44469 (1571 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	13-4	1615	12062	Mon	File 44469 (1571 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	13-4	1630	10573	Mon	File 44469 (1571 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	15-4	0600	14763	Wed	File 14490 (binary contents)	FSK 200/1000	(AB)
F06a	15-4	0615	16325	Wed	File 14490 (binary contents)	FSK 200/1000	(AB)
F06a	15-4	0630	19561	Wed	File 14490 (binary contents)	FSK 200/1000	(AB)
F06a	15-4	0700	11054	Wed	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	15-4	0715	8189	Wed	File 44416 (binary contents)	FSK 200/1000	(AB-S)
F06a	15-4	0730	6852	Wed	File 44416 (binary contents)	FSK 200/1000	(AB-S)
F06a	15-4	1200	10388	Wed	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	15-4	1215	8084	Wed	File 44416 (binary contents)	FSK 200/1000	(AB)

F06a	15-4	1230	6780	Wed	File 44416 (binary contents)	FSK 200/1000	(AB)
F06a	15-4	1630	5452	Wed	File name unknown, 5FG text file. 11100 60102 _____ (tentative header)	FSK 200/1000	(PY)
F06a	16-4	0600	14763	Thu	File 14490 (binary contents)	FSK 200/1000	(AB-GRC)
F06a	16-4	0615	16325	Thu	File 14490 (binary contents)	FSK 200/1000	(AB-GRC)
F06a	16-4	0630	19561	Thu	File 14490 (binary contents)	FSK 200/1000	(AB-GRC)
F06a	16-4	1405	5913	Thu	11100 00000 56840 16058 02729	FSK 200/1000	(PY)
F06a	16-4	1415	7992	Thu	11100 00000 56840 16058 02729	FSK 200/1000	(PY)
F06a	16-4	1425	10687	Thu	11100 00000 56840 16058 02729	FSK 200/1000	(PY)
F06a	17-4	0851	5089	Fri	File 04459 (2615 bytes, binary contents)	FSK 200/1000	(PY)
F06a	17-4	0906	7337	Fri	File 04459 (2615 bytes, binary contents) TX starting with two transmitters up interfering then TX issues for 1m	FSK 200/1000	(PY)
F06a	17-4	0921	9481	Fri	File 04459 (2615 bytes, binary contents)	FSK 200/1000	(PY)
F06a	18-4	1615	23179	Sat	File 44948 (binary contents)	FSK 200/2000	(AB-IRQ)
F06a	18-4	1630	20354	Sat	File 44948 (binary contents)	FSK 200/2000	(AB-IRQ)
F06a	19-4	1615	19559	Sun	File 44948 (binary contents)	FSK 200/1000	(AB-IRQ)
F06a	19-4	1630	18261	Sun	File 44948 (binary contents)	FSK 200/1000	(AB-GRC)
F06a	20-4	0700	11054	Mon	File 44419 (binary contents)	FSK 200/1000	(AB)
F06a	20-4	0700	5913	Mon	Files 04460 (465 bytes, binary contents) and 04461 (465 bytes, binary contents)	FSK 200/1000	(PY)
F06a	20-4	0715	8189	Mon	File 44419 (binary contents)	FSK 200/1000	(AB)
F06a	20-4	0715	7992	Mon	Files 04460 (465 bytes, binary contents) and 04461 (465 bytes, binary contents)	FSK 200/1000	(PY)
F06a	20-4	0730	6852	Mon	File 44419 (binary contents)	FSK 200/1000	(AB)
F06a	20-4	0730	10687	Mon	Files 04460 (465 bytes, binary contents) and 04461 (465 bytes, binary contents) TX short interruption then restart at ~1m10s)	FSK 200/1000	(PY)
F06a	20-4	0750	10687	Mon	Files 04460 (465 bytes, binary contents) and 04461 (465 bytes, binary contents)	FSK 200/1000	(PY)
F06a	20-4	1200	10388	Mon	File 44419 (binary contents)	FSK 200/1000	(AB)
F06a	20-4	1200	9481	Mon	Files 04462 (475 bytes, binary contents) and 04463 (485 bytes, binary contents)	FSK 200/1000	(PY)
F06a	20-4	1215	8084	Mon	File 44419 (binary contents)	FSK 200/1000	(AB)
F06a	20-4	1215	10687	Mon	Files 04462 (475 bytes, binary contents) and 04463 (485 bytes, binary contents)	FSK 200/1000	(PY)
F06a	20-4	1230	6780	Mon	File 44419 (binary contents)	FSK 200/1000	(AB)
F06a	20-4	1230	11611	Mon	Files 04462 (475 bytes, binary contents) and 04463 (485 bytes, binary contents)	FSK 200/1000	(PY)
F06a	20-4	1600	13375	Mon	File 44470 (1843 bytes) empty text header	FSK 200/1000	(PY)
F06a	20-4	1615	12062	Mon	Active	FSK 200/1000	(PY)
F06a	20-4	1630	10573	Mon	Active	FSK 200/1000	(PY)
F06a	21-4	1220	9481	Tue	Files 40464 (533 bytes) and file named 44065 (639 bytes), complete ~12m TX	FSK 200/1000	(PY)
F06a	21-4	1235	10687	Tue	Files 40464 (533 bytes) and file named 44065 (639 bytes), TX cut off mid-message at ~6m10s	FSK 200/1000	(PY)
F06a	21-4	1243	11611	Tue	Files 40464 (533 bytes) and file named 44065 (639 bytes), TX cut off mid-message at ~7m30s	FSK 200/1000	(PY)
F06a	21-4	1253	7992	Tue	Files 40464 (533 bytes) and file named 44065 (639 bytes), TX cut off mid-message at ~2m45s	FSK 200/1000	(PY)
F06a	21-4	1256	5913	Tue	Files 40464 (533 bytes), TX cut off mid-message at ~50s before even reaching 2nd msg	FSK 200/1000	(PY)

F06a	21-4	1258	5089	Tue	Files 40464 (533 bytes) and file named 44065 (639 bytes), TX cut off mid-message at ~4m40s	FSK 200/1000	(PY)
F06a	21-4	1303	14645	Tue	Files 40464 (533 bytes) and file named 44065 (639 bytes), TX cut off mid-message at ~4m15s	FSK 200/1000	(PY)
F06a	21-4	1313	10678	Tue	+500Hz idle carrier for ~20s - tuning error?	FSK 200/1000	(PY)
F06a	21-4	1313	10687	Tue	Files named 40464 (533 bytes) and file named 44065 (639 bytes), TX cut off mid-message at ~13m, in the last pass after ~12m the 1st file was replaced by the 2nd file	FSK 200/1000	(PY)
F06a	22-4	0600	14763	Wed	File 42491 (binary contents)	FSK 200/1000	(AB)
F06a	22-4	0615	16325	Wed	File 42491 (binary contents)	FSK 200/1000	(AB)
F06a	22-4	0630	19561	Wed	File 42491 (binary contents)	FSK 200/1000	(AB)
F06a	22-4	0700	11054	Wed	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	22-4	0715	8189	Wed	File 44422 (binary contents)	FSK 200/1000	(AB-S)
F06a	22-4	0730	6852	Wed	File 44422 (binary contents)	FSK 200/1000	(AB-S)
F06a	22-4	1130	9481	Wed	File 04466 (3174 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	22-4	1145	10687	Wed	File 04466 (3174 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	22-4	1200	10388	Wed	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	22-4	1200	11611	Wed	File 04466 (3174 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	22-4	1215	8084	Wed	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	22-4	1230	6780	Wed	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	22-4	1240	11611	Wed	Files 04467 (512 bytes) binary contents, empty text header and 04468 (512 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	22-4	1255	10687	Wed	Files 04467 (512 bytes) binary contents, empty text header and 04468 (512 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	22-4	1310	9481	Wed	Files 04467 (512 bytes) binary contents, empty text header and 04468 (512 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	23-4	0600	14763	Thu	File 42491 (binary contents)	FSK 200/1000	(AB)
F06a	23-4	0615	16325	Thu	File 42491 (binary contents)	FSK 200/1000	(AB)
F06a	23-4	0630	19561	Thu	File 42491 (binary contents)	FSK 200/1000	(AB)
F06a	23-4	1240	9481	Thu	Files 04470 (525 bytes, binary contents) and 04471 (525 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	23-4	1255	10687	Thu	Files 04470 (525 bytes, binary contents) and 04471 (525 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	23-4	1310	11611	Thu	Files 04470 (525 bytes, binary contents) and 04471 (525 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	23-4	1410	11611	Thu	Files 04470 (525 bytes, binary contents) and 04471 (525 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	23-4	1425	10687	Thu	Files 04470 (525 bytes, binary contents) and 04471 (525 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	24-4	1310	6957	Fri	File 04472 (4061 bytes, binary contents)	FSK 200/1000	(PY)
F06a	24-4	1325	9425	Fri	File 04472 (4061 bytes, binary contents)	FSK 200/1000	(PY)
F06a	24-4	1340	11611	Fri	File 04472 (4061 bytes, binary contents)	FSK 200/1000	(PY)
F06a	24-4	1900	12187	Fri	File 04453 (binary contents)	FSK 200/1000	(AB)

F06a	24-4	1915	11533	Fri	File 04453 (binary contents)	FSK 200/1000	(AB)
F06a	24-4	1930	10186	Fri	File 04453 (binary contents)	FSK 200/1000	(AB)
F06a	25-4	0600	11464	Sat	File 04453 (binary contents)	FSK 200/1000	(AB)
F06a	25-4	0615	10231	Sat	File 04453 (binary contents)	FSK 200/1000	(AB)
F06a	25-4	0630	9070	Sat	File 04453 (binary contents)	FSK 200/1000	(AB)
F06a	25-4	1615	23179	Sat	File 14449 (binary contents)	FSK 200/2000	(AB-IRQ)
F06a	25-4	1630	20354	Sat	File 14449 (binary contents)	FSK 200/2000	(AB-IRQ)
F06a	26-4	1600	24045	Sun	File 14449 (1091 bytes, binary files)	FSK 200/1000	(PY)
F06a	26-4	1615	19559	Sun	File 14449 (binary contents)	FSK 200/1000	(AB)
F06a	26-4	1615	19559	Sun	File 14449 (1091 bytes, binary files)	FSK 200/1000	(PY)
F06a	26-4	1630	18261	Sun	File 14449 (binary contents)	FSK 200/1000	(AB)
F06a	26-4	1630	18261	Sun	File 14449 (1091 bytes, binary files)	FSK 200/1000	(PY)
F06a	27-4	0700	11054	Mon	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	27-4	0715	8189	Mon	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	27-4	0730	6852	Mon	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	27-4	1200	10388	Mon	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	27-4	1215	8084	Mon	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	27-4	1230	6780	Mon	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	27-4	1600	13375	Mon	File 44471 (1945 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	27-4	1615	12062	Mon	File 44471 (1945 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	27-4	1630	10573	Mon	File 44471 (1945 bytes) binary contents, empty text header	FSK 200/1000	(PY)
F06a	29-4	0600	14763	Wed	File 44892 (binary contents)	FSK 200/1000	(AB)
F06a	29-4	0615	16325	Wed	File 44892 (binary contents)	FSK 200/1000	(AB)
F06a	29-4	0630	19561	Wed	File 44892 (binary contents)	FSK 200/1000	(AB)
F06a	29-4	0700	11054	Wed	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	29-4	0715	8189	Wed	File 44428 (binary contents)	FSK 200/1000	(AB-S)
F06a	29-4	0730	6852	Wed	File 44428 (binary contents)	FSK 200/1000	(AB-S)
F06a	29-4	1200	10388	Wed	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	29-4	1215	8084	Wed	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	29-4	1230	6780	Wed	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	30-4	0600	14763	Thu	File 44892 (binary contents)	FSK 200/1000	(AB)
F06a	30-4	0615	16325	Thu	File 44892 (binary contents)	FSK 200/1000	(AB)
F06a	30-4	0630	19561	Thu	File 44892 (binary contents)	FSK 200/1000	(AB)
F07	2-4	2000	14541	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-4	2010	13526	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-4	2020	12214	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-4	2030	11476	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-4	2040	10283	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	2-4	2050	9367	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-4	2000	14541	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-4	2010	13526	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	7-4	2020	12214	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	30-4	2030	11476	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-4	2040	10283	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	30-4	2050	9367	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
KRE	1-4	1230	14150	Wed	DPRK embassy Moscow 5FG message to DPRK embassy Vienna. QSX 14200,13850,14210 kHz. Several freq changes	DPRK-ARQ 600/600 LSB	(PHP)
KRE	1-4	1230	14200	Wed	DPRK embassy Vienna wkg DPRK embassy Moscow. QSX 14150 kHz	DPRK-ARQ 600/600 LSB	(PHP)
KRE	2-4	0735	14200	Thu	DPRK embassy Moscow wkg DPRK embassy Prague	DPRK-ARQ 600/600	(AB)
KRE	14-4	0704	14350	Tue	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	25-4	0650	13800	Sat	DPRK embassy Sofia wkg DPRK embassy Moscow. QSX 14300 kHz	DPRK-ARQ 600/600 LSB	(PHP)
KRE	25-4	0650	14300	Sat	DPRK embassy Moscow wkg DPRK embassy Sofia. QSX 13800 kHz	DPRK-ARQ 600/600 LSB	(PHP)
KRE	27-4	1230	17140	Mon	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(PHP)
KRE	27-4	1230	18650	Mon	DPRK embassy Rome wkg DPRK embassy Moscow. QSX 17140 kHz	DPRK-ARQ 600/600 LSB	(PHP)
KRE	30-4	0800	14250	Thu	DPRK embassy Moscow wkg DPRK embassy Bucharest. QSX 15555 kHz	DPRK-ARQ 600/600 LSB	(PHP)
KRE	30-4	0800	15555	Thu	DPRK embassy Bucharest wkg DPRK embassy Moscow. QSX 14250 kHz	DPRK-ARQ 600/600 LSB	(PHP)
M01	2-4	2000	5020	Thu	463 295 30 295 30 == 92836 54873 93847 ... 67586 43542 08760 == 295 30 295 30 000 followed by a digital transmission	CW	(AB)
M01	4-4	1500	6260	Sat	463 713 713 30 30 / = 9030. 56002 22869 ... 25780 407.0 58208 == 713 713 30 30 000	CW	(AB-S)
M01	5-4	0700	6510	Sun	463 902 902 30 30 == 40554 58407 20504 ,, 10095 07010 76540 == 902 902 30 30 000 followed by a digital transmission	CW	(AB)
M01	7-4	1800	5475	Tue	463 907 907 30 30 == 17436 ... (largely unreadable)	CW	(AB)
M01	7-4	2000	5020	Tue	463 284 284 30 30 == 74937 72947 61523 ... 7427897489 34273 == 284 284 30 30 000	CW	(AB)
M01	9-4	1800	5475	Thu	463 349 349 30 30 == 56475 35435 24325 ... 75675 97909 87865 == 349 30 349 30 000	CW	(AB)
M01	9-4	2000	5020	Thu	463 682 30 682 30 == 46385 28495 46573 ... 95645 25346 86756 == 682 30 682 30 000	CW	(AB)
M01	12-4	0700	6510	Sun	463 390 390 30 30 == 30590 50089 56476 ... 4608 40 14380 380 = 390 390 30 30 00 0	CW	(AB)
M01	14-4	1800	5475	Tue	463 052 30 052 30 == 87658 24524 64546 ... 84736 26354 97865 == 052 30 052 30 000 followed by a digital transmission	CW	(AB)
M01	14-4	2000	5020	Tue	463 238 30 238 30 == 27463 75647 94756 ... 76875 48695 16457 == 238 30 238 30 000 followed by a digital transmission	CW	(AB)
M01	16-4	1800	5475	Thu	463 539 539 30 30 == (very weak)	CW	(AB)
M01	16-4	2000	5020	Thu	463 376 376 30 30 == (largely unreadable)	CW	(AB)
M01	19-4	0700	6510	Sun	463 902 30 902 30 == 48592 16458 90872 ... 18230 65849 16214 == 902 30 902 30 000	CW	(AB)
M01	21-4	1800	5475	Tue	463 712 712 30 30 == (too weak to copy)	CW	(AB)
M01	21-4	2000	5020	Tue	463 ... (too weak to copy)	CW	(AB)
M01	23-4	1800	5475	Thu	463 284 284 30 30 == 62843 18290 64830 ... 28431 87610 68231 284 284 30 30 000	CW	(AB)
M01	23-4	2000	5020	Thu	463 303 303 30 30 == 26483 91024 72843 ... 98023 78922 61787 == 303 303 30 30 000	CW	(AB)
M01	26-4	0700	6510	Sun	463 321 321 30 30 == 91827 27364 12321 ... 87692 74213 64321 == 321 321 30 30 000	CW	(AB)

M01	28-4	2000	5020	Tue	463 978 978 30 30 = = 23142 09889 23541 ... 87540 23321 09900 = = 978 978 30 30 000	CW	(AB)
M01	30-4	1800	5475	Thu	643 836 30 836 30 = = 74857 26354 07980 ... 84759 27364 95847 = = 836 30 836 30 000	CW	(AB)
M01	30-4	2000	5020	Thu	463 963 30 963 30 = = 97869 47563 86759 ... 38475 06950 16473 = = 963 30 963 30 000	CW	(AB)
M12	2-4	1900	11564	Thu	258 258 258 1 5768 176 5768 176 20016 23703 82382 ... 02476 03607 72744 000 000	CW	(AB)
M12	2-4	1920	10487	Thu	258 258 258 1 5768 176 5768 176 20016 23703 82382 ... 02476 03607 72744 000 000	CW	(AB)
M12	2-4	1940	9319	Thu	258 258 258 1 5768 176 5768 176 20016 23703 82382 ... 02476 03607 72744 000 000	CW	(AB)
M12	3-4	0800	12217	Fri	243 243 243 1 4157 53 4157 53 37739 03658 29850 ... 10051 78147 38455 0000	CW	(AB-J)
M12	3-4	0820	11467	Fri	243 243 243 1 4157 53 4157 53 37739 03658 29850 ... 10051 78147 38455 0000	CW	(AB-J)
M12	3-4	0840	10348	Fri	243 243 243 1 4157 53 4157 53 37739 03658 29850 ... 10051 78147 38455 0000	CW	(AB-J)
M12	3-4	2100	10341	Fri	401 401 401 1 2909 134 2909 134 ...	CW	(AB)
M12	3-4	2120	11075	Fri	401 401 401 1 2909 134 2909 134 ...	CW	(AB)
M12	3-4	2140	12138	Fri	401 401 401 1 2909 134 2909 134 ...	CW	(AB)
M12	5-4	1900	12135	Sun	573 573 573 1 8276 115 8276 115 37520 32616 88927 ... 26896 77256 95101 000 000	CW	(AB)
M12	5-4	1920	11452	Sun	573 573 573 1 8276 115 8276 115 37520 32616 88927 ... 26896 77256 95101 000 000	CW	(AB)
M12	5-4	1940	10627	Sun	573 573 573 1 8276 115 8276 115 37520 32616 88927 ... 26896 77256 95101 000 000	CW	(AB)
M12	6-4	0800	12217	Mon	243 243 243 1 5909 63 5909 63 95044 08977 17590 ... 26985 52249 12099 000 000	CW	(AB-J)
M12	6-4	0820	11467	Mon	243 243 243 1 5909 63 5909 63 95044 08977 17590 ... 26985 52249 12099 000 000	CW	(AB-J)
M12	6-4	0840	10348	Mon	243 243 243 1 5909 63 5909 63 95044 08977 17590 ... 26985 52249 12099 000 000	CW	(AB-J)
M12	6-4	1900	12135	Mon	573 573 573 1 5321 107 5321 107 73886 03068 59244 ...18297 15971 26737 000 000	CW	(AB)
M12	6-4	1920	11452	Mon	573 573 573 1 5321 107 5321 107 73886 03068 59244 ...18297 15971 26737 000 000	CW	(AB)
M12	6-4	1940	10627	Mon	573 573 573 1 5321 107 5321 107 73886 03068 59244 ...18297 15971 26737 000 000	CW	(AB)
M12	9-4	1900	11564	Thu	258 258 258 1 7122 179 7122 179 60636 97993 19623 ... 36311 49566 30093 000 000	CW	(AB)
M12	9-4	1920	10487	Thu	258 258 258 1 7122 179 7122 179 60636 97993 19623 ... 36311 49566 30093 000 000	CW	(AB)
M12	9-4	1940	9319	Thu	258 258 258 1 7122 179 7122 179 60636 97993 19623 ... 36311 49566 30093 000 000	CW	(AB)
M12	10-4	0800	12217	Fri	243 243 243 1 5909 63 5909 63 95044 08977 17590 ... 26985 52249 12099 000 000	CW	(AB-J)
M12	10-4	0820	11467	Fri	243 243 243 1 5909 63 5909 63 95044 08977 17590 ... 26985 52249 12099 000 000	CW	(AB-J)
M12	10-4	0840	10348	Fri	243 243 243 1 5909 63 5909 63 95044 08977 17590 ... 26985 52249 12099 000 000	CW	(AB-J)
M12	10-4	2100	10341	Fri	401 401 401 1 2209 119 2209 119 21980 58998 04021 ... 48742 68892 43135 000 000	CW	(AB)
M12	10-4	2120	11075	Fri	401 401 401 1 2209 119 2209 119 21980 58998 04021 ... 48742 68892 43135 000 000	CW	(AB)
M12	10-4	2140	12138	Fri	401 401 401 1 2209 119 2209 119 21980 58998 04021 ... 48742 68892 43135 000 000	CW	(AB)
M12	11-4	1900	11564	Sat	258 258 258 1 7122 179 7122 179 60636 97993 19623 ... 36311 49566 30093 000 000	CW	(AB)
M12	11-4	1920	10487	Sat	258 258 258 1 7122 179 7122 179 60636 97993 19623 ... 36311 49566 30093 000 000	CW	(AB)
M12	11-4	1940	9319	Sat	258 258 258 1 7122 179 7122 179 60636 97993 19623 ... 36311 49566 30093 000 000	CW	(AB)
M12	11-4	2100	10341	Sat	401 401 401 1 2209 119 2209 119 21980 58998 04021 ... 48742 68892 43135 000 000	CW	(AB)
M12	11-4	2120	11075	Sat	401 401 401 1 2209 119 2209 119 21980 58998 04021 ... 48742 68892 43135 000 000	CW	(AB)
M12	11-4	2140	12138	Sat	401 401 401 1 2209 119 2209 119 21980 58998 04021 ... 48742 68892 43135 000 000	CW	(AB)
M12	12-4	1900	12135	Sun	573 573 573 1 5321 107 5321 107 73886 03068 59244 ...18297 15971 26737 000 000	CW	(AB)
M12	12-4	1920	11452	Sun	573 573 573 1 5321 107 5321 107 73886 03068 59244 ...18297 15971 26737 000 000	CW	(AB)
M12	12-4	1940	10627	Sun	573 573 573 1 5321 107 5321 107 73886 03068 59244 ...18297 15971 26737 000 000	CW	(AB)

M12	13-4	0800	12217	Mon	243 243 243 1 3874 78 3874 78 18559 71000 21155 ... 47427 01881 14742 000 000	CW	(AB-J)
M12	13-4	0820	11467	Mon	243 243 243 1 3874 78 3874 78 18559 71000 21155 ... 47427 01881 14742 000 000	CW	(AB-J)
M12	13-4	0840	10348	Mon	243 243 243 1 3874 78 3874 78 18559 71000 21155 ... 47427 01881 14742 000 000	CW	(AB-J)
M12	13-4	1900	12135	Mon	573 573 573 1 4080 117 4080 117 50562 13081 14860 ... 78545 93959 08025 000 000	CW	(AB)
M12	13-4	1920	11452	Mon	573 573 573 1 4080 117 4080 117 50562 13081 14860 ... 78545 93959 08025 000 000	CW	(AB)
M12	13-4	1940	10627	Mon	573 573 573 1 4080 117 4080 117 50562 13081 14860 ... 78545 93959 08025 000 000	CW	(AB)
M12	16-4	1900	11564	Thu	258 258 258 1 9274 191 9274 191 30149 64986 44512 ... 12847 85886 80246 000 000	CW	(AB)
M12	16-4	1920	10487	Thu	258 258 258 1 9274 191 9274 191 30149 64986 44512 ... 12847 85886 80246 000 000	CW	(AB)
M12	16-4	1940	9319	Thu	258 258 258 1 9274 191 9274 191 30149 64986 44512 ... 12847 85886 80246 000 000	CW	(AB)
M12	17-4	0800	12217	Fri	243 243 243 1 3874 78 3874 78 18559 71000 21155 ... 47427 01881 14742 000 000	CW	(AB-J)
M12	17-4	0820	11467	Fri	243 243 243 1 3874 78 3874 78 18559 71000 21155 ... 47427 01881 14742 000 000	CW	(AB-J)
M12	17-4	0840	10348	Fri	243 243 243 1 3874 78 3874 78 18559 71000 21155 ... 47427 01881 14742 000 000	CW	(AB-J)
M12	17-4	2100	10341	Fri	401 401 401 1 2209 119 2209 119 21980 58998 04021 ... 48742 68892 43135 000 000	CW	(AB)
M12	17-4	2120	11075	Fri	401 401 401 1 2209 119 2209 119 21980 58998 04021 ... 48742 68892 43135 000 000	CW	(AB)
M12	17-4	2140	12138	Fri	401 401 401 1 2209 119 2209 119 21980 58998 04021 ... 48742 68892 43135 000 000	CW	(AB)
M12	18-4	1900	11564	Sat	258 258 258 1 9274 191 9274 191 30149 64986 44512 ... 12847 85886 80246 000 000	CW	(AB)
M12	18-4	1920	10487	Sat	258 258 258 1 9274 191 9274 191 30149 64986 44512 ... 12847 85886 80246 000 000	CW	(AB)
M12	18-4	1940	9319	Sat	258 258 258 1 9274 191 9274 191 30149 64986 44512 ... 12847 85886 80246 000 000	CW	(AB)
M12	18-4	2100	10341	Sat	401 401 401 1 2209 119 2209 119 21980 58998 04021 ... 48742 68892 43135 000 000	CW	(AB/RL)
M12	18-4	2120	11075	Sat	401 401 401 1 2209 119 2209 119 21980 58998 04021 ... 48742 68892 43135 000 000	CW	(AB/RL)
M12	18-4	2140	12138	Sat	401 401 401 1 2209 119 2209 119 21980 58998 04021 ... 48742 68892 43135 000 000	CW	(AB/RL)
M12	19-4	1900	12135	Sun	573 573 573 1 4080 117 4080 117 50562 13081 14860 ... 78545 93959 08025 000 000	CW	(AB)
M12	19-4	1920	11452	Sun	573 573 573 1 4080 117 4080 117 50562 13081 14860 ... 78545 93959 08025 000 000	CW	(AB)
M12	19-4	1940	10627	Sun	573 573 573 1 4080 117 4080 117 50562 13081 14860 ... 78545 93959 08025 000 000	CW	(AB)
M12	20-4	0800	12217	Mon	243 243 243 1 8154 139 8154 139 92767 33623 37575 ... 41968 81413 34499 000 000	CW	(AB-J)
M12	20-4	0820	11467	Mon	243 243 243 1 8154 139 8154 139 92767 33623 37575 ... 41968 81413 34499 000 000	CW	(AB-J)
M12	20-4	0840	10348	Mon	243 243 243 1 8154 139 8154 139 92767 33623 37575 ... 41968 81413 34499 000 000	CW	(AB-J)
M12	20-4	1900	12135	Mon	573 573 573 1 700 237 700 237 70320 15152 71850 89758 ...	CW	(AB)
M12	20-4	1920	11452	Mon	573 573 573 1 700 237 700 237 70320 15152 71850 89758 ...	CW	(AB)
M12	20-4	1940	10627	Mon	573 573 573 1 700 237 700 237 70320 15152 71850 89758 ...	CW	(AB)
M12	23-4	1900	11564	Thu	258 258 258 1 672 167 672 16365 83188 59430 ... 45822 08042 28985 000 000	CW	(AB)
M12	23-4	1920	10487	Thu	258 258 258 1 672 167 672 16365 83188 59430 ... 45822 08042 28985 000 000	CW	(AB)
M12	23-4	1940	9319	Thu	258 258 258 1 672 167 672 16365 83188 59430 ... 45822 08042 28985 000 000	CW	(AB)
M12	24-4	0800	12217	Fri	243 243 243 1 8154 139 8154 139 92767 33623 37575 ... 41968 81413 34499 000 000	CW	(AB-J)
M12	24-4	0820	11467	Fri	243 243 243 1 8154 139 8154 139 92767 33623 37575 ... 41968 81413 34499 000 000	CW	(AB-J)
M12	24-4	0840	10348	Fri	243 243 243 1 8154 139 8154 139 92767 33623 37575 ... 41968 81413 34499 000 000	CW	(AB-J)
M12	24-4	2100	10341	Fri	401 401 401 1 3835 201 3835 201 59081 63690 19466 ... 40359 35711 94203 000 000	CW	(AB/RL)
M12	24-4	2120	11075	Fri	401 401 401 1 3835 201 3835 201 59081 63690 19466 ... 40359 35711 94203 000 000	CW	(AB/RL)
M12	24-4	2140	12138	Fri	401 401 401 1 3835 201 3835 201 59081 63690 19466 ... 40359 35711 94203 000 000	CW	(AB)
M12	25-4	1900	11564	Sat	258 258 258 1 672 167 672 16365 83188 59430 ... 45822 08042 28985 000 000	CW	(AB)
M12	25-4	1920	10487	Sat	258 258 258 1 672 167 672 16365 83188 59430 ... 45822 08042 28985 000 000	CW	(AB)
M12	25-4	1940	9319	Sat	258 258 258 1 672 167 672 16365 83188 59430 ... 45822 08042 28985 000 000	CW	(AB)

M12	25-4	2100	10341	Sat	401 401 401 1 3835 201 3835 201 59081 63690 19466 ... 40359 35711 94203 000 000	CW	(AB/RL)
M12	25-4	2120	11075	Sat	401 401 401 1 3835 201 3835 201 59081 63690 19466 ... 40359 35711 94203 000 000	CW	(AB/RL)
M12	25-4	2140	12138	Sat	401 401 401 1 3835 201 3835 201 59081 63690 19466 ... 40359 35711 94203 000 000	CW	(AB/RL)
M12	26-4	1900	12135	Sun	573 573 573 1 700 237 700 237 70320 15152 71850 ... 99665 89534 01808 000 000	CW	(AB)
M12	26-4	1920	11452	Sun	573 573 573 1 700 237 700 237 70320 15152 71850 ... 99665 89534 01808 000 000	CW	(AB)
M12	26-4	1940	10627	Sun	573 573 573 1 700 237 700 237 70320 15152 71850 ... 99665 89534 01808 000 000	CW	(AB)
M12	27-4	0800	12217	Mon	243 243 243 1 5891 149 5891 149 38415 15251 01998 ... 94862 68527 71498 000 000	CW	(AB-J)
M12	27-4	0820	11467	Mon	243 243 243 1 5891 149 5891 149 38415 15251 01998 ... 94862 68527 71498 000 000 Restart after group 67	CW	(AB-J)
M12	27-4	0840	10348	Mon	243 243 243 1 5891 149 5891 149 38415 15251 01998 ... 94862 68527 71498 000 000	CW	(AB-J)
M12	27-4	1900	12135	Mon	573 573 573 1 4185 106 4185 106 07853 06195 11989 ... 72555 75490 99615 000 000	CW	(AB)
M12	27-4	1920	11452	Mon	573 573 573 1 4185 106 4185 106 07853 06195 11989 ... 72555 75490 99615 000 000	CW	(AB)
M12	27-4	1940	10627	Mon	573 573 573 1 4185 106 4185 106 07853 06195 11989 ... 72555 75490 99615 000 000	CW	(AB)
M12	30-4	1900	11564	Thu	258 258 258 1 4346 403 4356 403 16001 34400 72266 ... 13716 55040 08010 000 000	CW	(AB)
M12	30-4	1927	10487	Thu	258 258 258 1 4346 403 4356 403 16001 34400 72266 ... 13716 55040 08010 000 000	CW	(AB)
M12	30-4	1954	9319	Thu	258 258 258 1 4346 403 4356 403 16001 34400 72266 ... 13716 55040 08010 000 000	CW	(AB)
M14	30-3	0825	10755	Mon	975 143 143 60 60 == 90819 61082 44373 ... 02205 18558 90799 == 143 143 60 60 00000	CW	(PY)
M14	30-3	1215	11073	Mon	352 789 789 60 60 == 12256 37727 04518 ... 81338 34903 33235 == 789 789 60 60 00000	CW	(PY)
M14	30-3	1400	9463	Mon	801 976 976 52 52 == 57222 64319 72051 ... 40286 32215 73478 == 976 976 52 52 00000	CW	(PY)
M14	1-4	0500	12211	Wed	952 436 436 25 25 == 37477 11587 58532 ... 32311 89246 27222 == 436 436 25 25 952 710 710 32 32 == 84691 42837 36316 ... 83359 75486 09321 == 710 710 32 32 00000	CW	(AB-J)
M14	1-4	0520	10243	Wed	952 436 436 25 25 == 37477 11587 58532 ... 32311 89246 27222 == 436 436 25 25 952 710 710 32 32 == 84691 42837 36316 ... 83359 75486 09321 == 710 710 32 32 00000	CW	(AB-J)
M14	3-4	0500	12211	Fri	952 952 952 000	CW	(AB-J)
M14	3-4	0520	10243	Fri	952 952 952 000	CW	(AB-J)
M14	6-4	0500	12211	Mon	952 486 486 54 54 == 59756 93987 85024 ... 61476 93023 41361 == 486 486 54 54 no closing nulls	CW	(AB)
M14	6-4	0520	10243	Mon	952 486 486 54 54 == 59756 93987 85024 ... 61476 93023 41361 == 486 486 54 54 00000	CW	(AB)
M14	7-4	0500	12211	Tue	952 486 486 54 54 == 59756 93987 85024 ... 61476 93023 41361 == 486 46 54 54 00000	CW	(AB-J)
M14	7-4	0500	12211	Tue	952 480 480 32 32 == 53073 42161 21040 ... 82934 61784 95095 == 480 480 32 32 952 137 137 24 24 == 60206 29750 24784 ... 09889 91743 38245 == 137 137 24 24 00000	CW	(AB-J)
M14	7-4	0520	10243	Tue	952 486 486 54 54 == 59756 93987 85024 ... 61476 93023 41361 == 486 46 54 54 00000	CW	(AB-J)

M14	7-4	0520	10243	Tue	952 480 480 32 32 == 53073 42161 21040 ... 82934 61784 95095 == 480 480 32 32 952 137 137 24 24 == 60206 29750 24784 ... 09889 91743 38245 == 137 137 24 24 00000	CW	(AB-J)
M14	8-4	1130	11073	Wed	352 179 179 60 60 == 33218 68442 19881 ... 82035 76478 75835 == 179 179 60 60 00000	CW	(PY)
M14	9-4	0500	12211	Thu	952 480 480 32 32 == 53073 42161 21040 ... 82934 61784 95095 == 480 480 32 32 952 137 137 24 24 == 60206 29750 24784 ... 09889 91743 38245 == 137 137 24 24 00000	CW	(AB-J)
M14	9-4	0520	10243	Thu	952 480 480 32 32 == 53073 42161 21040 ... 82934 61784 95095 == 480 480 32 32 952 137 137 24 24 == 60206 29750 24784 ... 09889 91743 38245 == 137 137 24 24 00000	CW	(AB-J)
M14	9-4	1801	9478	Thu	801 423 423 56 56 == 14699 51189 07764 ... 71898 05835 10285 == 423 423 56 56 00000	CW	(PY)
M14	10-4	0500	12211	Fri	952 952 952 000	CW	(AB-J)
M14	10-4	0520	10243	Fri	952 952 952 000	CW	(AB-J)
M14	10-4	0930	17458	Fri	617 617 617 00000	CW	(AB)
M14	13-4	0500	12211	Mon	952 (R15m54s) Glitch and 9 sec break after ca 3 mins. No message	CW	(AB-J)
M14	13-4	0522	10243	Mon	Late start. Inverted morse. Several restarts, still inverted. Off at 0526z. Back at 0527z with: 952 631 631 54 54 == 52123 06734 56205 ... 22796 61315 10753 == 631 631 54 54 (no closing nulls)	CW	(AB-J)
M14	14-4	0459	12211	Tue	Fas0 beeps (24s)	CW	(AB-J)
M14	14-4	0500	12211	Tue	952 631 631 54 54 == 52123 06734 56205 ... 22796 61315 10753 == 631 631 54 54 00000	CW	(AB-J)
M14	14-4	0520	10243	Tue	952 631 631 54 54 == 52123 06734 56205 ... 22796 61315 10753 == 631 631 54 54 00000	CW	(AB-J)
M14	15-4	0500	12211	Wed	952 468 468 31 31 == 32058 39978 98326 ... 30585 99617 97269 == 468 468 31 31 952 703 703 24 24 == 10097 87164 28100 ... 45895 94210 09661 == 703 703 24 24 00000	CW	(AB-J)
M14	15-4	0520	10243	Wed	952 468 468 31 31 == 32058 39978 98326 ... 30585 99617 97269 == 468 468 31 31 952 703 703 24 24 == 10097 87164 28100 ... 45895 94210 09661 == 703 703 24 24 00000	CW	(AB-J)
M14	16-4	0500	12211	Thu	952 468 468 31 31 == 32058 39978 98326 ... 30585 99617 97269 == 468 468 31 31 technical problems at the end of the first message. Signal strength dropped dramati- cally, stuttering audio, then off. Back at 0511z with gro	CW	(AB-J)
M14	16-4	0520	10243	Thu	952 468 468 31 31 == 32058 39978 98326 ... 30585 99617 97269 == 468 468 31 31 952 703 703 24 24 == 10097 87164 28100 ... 45895 94210 09661 == 703 703 24 24 00000	CW	(AB-J)
M14	17-4	0500	12211	Fri	952 952 952 000	CW	(AB-J)
M14	17-4	0520	10243	Fri	952 952 952 000	CW	(AB-J)
M14	17-4	0850	9463	Fri	801 263 263 50 50 == 81846 37973 50277 ... 40410 73928 93067 == 263 263 50 50 00000	CW	(PY)
M14	20-4	0500	12211	Mon	952 130 130 51 51 == 24691 76336 08980 ... 62876 47622 16026 == 130 130 51 51 00000 Started with inverted morse. Several restarts.	CW	(AB-J)

M14	20-4	0520	10243	Mon	952 130 130 51 51 == 24691 76336 08980 ... 62876 47622 16026 == 130 130 51 51 00000	CW	(AB-J)
M14	21-4	0500	12211	Tue	952 130 130 51 51 == 24691 76336 08980 ... 62876 47622 16026 == 130 130 51 51 00000	CW	(AB-J)
M14	21-4	0520	10243	Tue	952 130 130 51 51 == 24691 76336 08980 ... 62876 47622 16026 == 130 130 51 51 00000	CW	(AB-J)
M14	22-4	0500	12211	Wed	No transmission	CW	(AB-J)
M14	22-4	0520	10243	Wed	No transmission	CW	(AB-J)
M14	23-4	0500	12211	Thu	952 601 601 35 35 == 27063 23371 90302 ... 47908 83523 31804 == 601 601 35 35 952 874 874 16 16 == 33368 59369 64782 ... 93844 55646 69371 == 874 874 16 16 00000 Tech problems after group 10 of the 2nd msg.	CW	(AB-J)
M14	23-4	0520	10243	Thu	952 601 601 35 35 == 27063 23371 90302 ... 47908 83523 31804 == 601 601 35 35 952 874 874 16 16 == 33368 59369 64782 ... 93844 55646 69371 == 874 874 16 16 00000	CW	(AB-J)
M14	24-4	0500	12211	Fri	952 952 952 000	CW	(AB-J)
M14	24-4	0520	10243	Fri	952 952 952 000	CW	(AB-J)
M14	25-4	0930	17458	Sat	617 617 617 00000	CW	(AB)
M14	27-4	0500	12211	Mon	952 347 347 51 51 == 30989 51803 83808 ... 38523 03655 63743 == 347 347 51 51 00000	CW	(AB-J)
M14	27-4	0520	10243	Mon	952 347 347 51 51 == 30989 51803 83808 ... 38523 03655 63743 == 347 347 51 51 00000	CW	(AB-J)
M14	28-4	0500	12211	Tue	952 347 347 51 51 == 30989 51803 83808 ... 38523 03655 63743 == 347 347 51 51 00000. Late start. Briefly CW FSK	CW	(AB-J)
M14	28-4	0520	10243	Tue	952 347 347 51 51 == 30989 51803 83808 ... 38523 03655 63743 == 347 347 51 51 00000	CW	(AB-J)
M14	29-4	0500	12211	Wed	952 680 680 31 31 == 53256 64135 73571 ... 78431 60111 12633 == 680 680 31 31 952 473 473 25 25 == 24629 49507 01355 ... 19700 22930 33082 == 473 473 25 25 00000	CW	(AB-J)
M14	29-4	0520	10243	Wed	952 680 680 31 31 == 53256 64135 73571 ... 78431 60111 12633 == 680 680 31 31 952 473 473 25 25 == 24629 49507 01355 ... 19700 22930 33082 == 473 473 25 25 00000	CW	(AB-J)
M14	30-4	0501	12211	Thu	952 680 680 31 31 == 53256 64135 73571 ... 78431 60111 12633 == 680 680 31 31 952 473 473 25 25 == 24629 49507 01355 ... 19700 22930 33082 == 473 473 25 25 00000 Late start	CW	(AB-J)
M14	30-4	0520	10243	Thu	952 680 680 31 31 == 53256 64135 73571 ... 78431 60111 12633 == 680 680 31 31 952 473 473 25 25 == 24629 49507 01355 ... 19700 22930 33082 == 473 473 25 25 00000	CW	(AB-J)
M14d	3-4	1800	10755	Fri	975 96412 068 068 32 32 == 04718 84085 14490 ... 44459 ... (very poor signal) 80826 == 068 068 32 32 00000	CW	(PY)
M23	1-4	0557	10380	Wed	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	1-4	0627	10380	Wed	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	1-4	0857	13958	Wed	Hourly beep	CW	(AB)
M23	1-4	0957	13958	Wed	Hourly beep	CW	(AB)

M23	1-4	1257	10380	Wed	50505 55550 05550 05500 55005 (R25m)	CW	(AB)
M23	1-4	1327	10380	Wed	50505 55550 05550 05500 55005 (R25m)	CW	(AB)
M23	1-4	1557	10380	Wed	Hourly beep	CW	(AB)
M23	1-4	1557	13958	Wed	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	1-4	1627	13958	Wed	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	2-4	0557	10380	Thu	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	2-4	0627	10380	Thu	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	2-4	0657	10380	Thu	Hourly beep	CW	(AB)
M23	2-4	0757	10380	Thu	Hourly beep	CW	(AB)
M23	2-4	0857	10380	Thu	Hourly beep	CW	(AB)
M23	2-4	0857	13958	Thu	Hourly beep	CW	(AB)
M23	2-4	0957	10380	Thu	Hourly beep	CW	(AB)
M23	2-4	0957	13958	Thu	Hourly beep	CW	(AB)
M23	2-4	1057	10380	Thu	Hourly beep	CW	(AB)
M23	2-4	1257	10380	Thu	50505 55550 05550 05500 55005 (R25m)	CW	(AB)
M23	2-4	1327	10380	Thu	50505 55550 05550 05500 55005 (R25m)	CW	(AB)
M23	2-4	1557	13958	Thu	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	2-4	1627	13958	Thu	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	3-4	0557	10380	Fri	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	3-4	0627	10380	Fri	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	3-4	0757	10380	Fri	Hourly beep	CW	(AB)
M23	3-4	0757	13958	Fri	Hourly beep	CW	(AB)
M23	3-4	1357	13958	Fri	Hourly beep	CW	(AB)
M23	3-4	1557	13958	Fri	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	3-4	1627	13958	Fri	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	4-4	0557	10380	Sat	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	4-4	0627	10380	Sat	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	4-4	1557	13958	Sat	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	4-4	1627	13958	Sat	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	5-4	0557	10380	Sun	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	5-4	0627	10380	Sun	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	5-4	0757	10380	Sun	Hourly beep	CW	(AB)
M23	5-4	1557	13958	Sun	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	5-4	1627	13958	Sun	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	6-4	0557	10380	Mon	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	6-4	0627	10380	Mon	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	6-4	0657	10380	Mon	Hourly beep	CW	(AB)
M23	6-4	1357	13958	Mon	Hourly beep	CW	(AB)
M23	6-4	1557	13958	Mon	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB/Pille)
M23	6-4	1627	13958	Mon	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	7-4	0557	10380	Tue	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	7-4	0627	10380	Tue	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)

M23	29-4	0557	10380	Wed	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	29-4	0627	10380	Wed	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	29-4	1557	13958	Wed	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	29-4	1627	13958	Wed	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	29-4	1857	6806	Wed	LO48636017LA1511114 (R25m)	CW	(AB)
M23	29-4	1927	6806	Wed	LO48636017LA1511114 (R25m)	CW	(AB)
M23	30-4	0557	10380	Thu	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	30-4	0627	10380	Thu	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	30-4	1557	13958	Thu	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	30-4	1627	13958	Thu	0 (R), 3 (R), 7 (R), 0 (R), 3 (R), 7 (R). Off after 25m	CW	(AB)
M23	30-4	1857	6806	Thu	LO48636017LA1511114 (R25m)	CW	(AB)
M23	30-4	1927	6806	Thu	LO48636017LA1511114 (R25m)	CW	(AB)
M42	1-4	0818	15959	Wed	Russian diplo	MFSK-66	(AB)
M42	2-4	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL followed by op-chat and a message	FSK CW + FSK 75/500	(AB)
M42	3-4	0809	14568	Fri	Russian diplo	MFSK-66	(AB)
M42	3-4	1259	14698	Fri	Russian diplo	MFSK-66	(AB)
M42	9-4	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL followed by op-chat and a message	FSK CW + FSK 75/500	(AB)
M42	13-4	133?	18750	Mon	Traffic	F1B	(Rycat)
M42	13-4	1504	13675	Mon	Traffic	FSK 200	(Rycat)
M42	15-4	1235	16102	Wed	Scanner bursts Moscow	PSK2400	(Rycat)
M42	15-4	1236	16102	Wed	Moscow	PSK2400	(Rycat)
M42	15-4	1526	15917	Wed	(reversals) Moscow --> Amman	tone call	(Rycat)
M42	15-4	1527	12183	Wed	(reversals) Moscow --> Amman	tone call	(Rycat)
M42	15-4	1528	11503	Wed	(reversals) Moscow --> Amman	tone call	(Rycat)
M42	15-4	1530	14728	Wed	(wide reversals) Amman --> Moscow (strong audio frequency subharmonics)	tone call	(Rycat)
M42	15-4	1530	15920	Wed	call Moscow --> Amman	Serdolik	(Rycat)
M42	15-4	1531	13407	Wed	(reversals) Amman --> Moscow	tone call	(Rycat)
M42	15-4	1531	14725	Wed	(reversals) Amman --> Moscow	tone call	(Rycat)
M42	15-4	1531	15917	Wed	Moscow --> Amman 200 bit/s*	Serdolik	(Rycat)
M42	15-4	1532	14725	Wed	Amman --> Moscow 200 bit/s (strong audio frequency subharmonics)	Serdolik	(Rycat)
M42	15-4	1534	14725	Wed	Amman --> Moscow 400 bit/s (strong audio frequency subharmonics)	Serdolik	(Rycat)
M42	15-4	1537	15920	Wed	call Moscow --> Amman	Serdolik	(Rycat)
M42	15-4	1538	12183	Wed	Moscow --> Amman 200 bit/s	Serdolik	(Rycat)
M42	15-4	1538	13407	Wed	(reversals) Amman --> Moscow	tone call	(Rycat)
M42	15-4	1538	14725	Wed	(reversals) Amman --> Moscow	tone call	(Rycat)
M42	15-4	1539	13407	Wed	Amman --> Moscow 200 bit/s	Serdolik	(Rycat)
M42	15-4	1546	13410	Wed	(wide reversals) Amman --> Moscow	tone call	(Rycat)
M42	15-4	1546	14728	Wed	(wide reversals) Amman --> Moscow (strong audio frequency subharmonics)	tone call	(Rycat)
M42	15-4	1548	13410	Wed	(wide reversals) Amman --> Moscow	tone call	(Rycat)
M42	15-4	1548	14728	Wed	(wide reversals) Amman --> Moscow (strong audio frequency subharmonics)	tone call	(Rycat)

M42	15-4	1548	15917	Wed	(reversals) Moscow --> Amman	tone call	(Rycat)
M42	15-4	1549	12183	Wed	(reversals) Moscow --> Amman	tone call	(Rycat)
M42	15-4	1549	14725	Wed	(reversals) Amman --> Moscow (strong audio frequency subharmonics)	tone call	(Rycat)
M42	15-4	1550	16242	Wed	Amman --> Moscow 200 bit/s	Serdolik	(Rycat)
M42	15-4	1551	15686	Wed	Moscow --> Amman 200 bit/s	Serdolik	(Rycat)
M42	20-4	1034	11250	Mon	Unmodulated carrier		(Rycat)
M42	21-4	0801	10954	Tue	Russian diplo	MFSK-66	(RO)
M42	21-4	0840	13401	Tue	Russian diplo	MFSK-66	(RO)
M42	23-4	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL followed by operator chat and a message.	FSK CW + FSK 75/500	(AB)
M42	23-4	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. UAG UAG UAG followed by operator chat and a message.	FSK CW + FSK 75/500	(AB-BER)
M42	30-4	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL followed by operator chat and a message.	FSK CW + FSK 75/500	(AB)
M42	30-4	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. UAG UAG UAG followed by operator chat and a message.	FSK CW + FSK 75/500	(AB-BER)
M42b	1-4	1709	6996	Wed	ZUDG ZUDG ZUDG DE KEVT KEVT K. Header: 052 100 1 1700 2248 =	CW + FSK 50/500	(AB)
M42b	5-4	1709	5868	Sun	KEVT KEVT KEVT DE ZUZG ZUZG K. Message header: 166 100 5 1704 5256 =	CW + FSK 50/500	(AB)
M42b	5-4	1709	6996	Sun	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 341 100 5 1650 9275 =	CW + FSK 50/500	(AB)
M42b	6-4	1709	6996	Mon	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 922 100 6 1700 5574 =	CW + FSK 50/500	(AB)
M42b	6-4	1710	5868	Mon	KEVT KEVT KEVT DE ZUZG ZUZG K. Message header: 168 100 6 1710 8710 =	CW + FSK 50/500	(AB)
M42b	7-4	1700	6996	Tue	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 289 100 7 1640 4205 =	CW + FSK 50/500	(AB)
M42b	8-4	1700	5868	Wed	KEVT KEVT KEVT DE ZUDG ZUDG K. Message undecodable due to strong interference	CW + FSK 50/500	(AB)
M42b	8-4	1700	6996	Wed	ZUDG ZUDG ZUDG DE KEVT KEVT K. Signal too weak to decode the message	CW + FSK 50/500	(AB)
M42b	8-4	1710	6996	Wed	ZUDG ZUDG ZUDG DE KEVT KEVT K. too weak to copy	CW + FSK 50/500	(AB)
M42b	9-4	1700	5868	Thu	KEVT KEVT KEVT DE ZUDG ZUDG K. Message header: 174 100 9 1704 8353 =	CW + FSK 50/500	(AB)
M42b	9-4	1700	6996	Thu	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 548 100 9 1700 1235 =	CW + FSK 50/500	(AB)
M42b	9-4	1709	5868	Thu	KEVT KEVT KEVT DE ZUZG ZUZG K. Message header: 172 100 8 1707 8488 =	CW + FSK 50/500	(AB)
M42b	10-4	1709	5868	Fri	KEVT KEVT KEVT DE ZUZG ZUZG K. Message header: 176 100 10 1707 9274=	CW + FSK 50/500	(AB)
M42b	11-4	1711	6996	Sat	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 210 100 11 1656 1254 =	CW + FSK 50/500	(AB)
M42b	11-4	1712	5868	Sat	KEVT KEVT KEVT DE ZUZG ZUZG K. Message header: 178 100 11 1700 6609 =	CW + FSK 50/500	(AB)
M42b	12-4	1711	6996	Sun	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 958 105 12 1655 5321 9	CW + FSK 50/500	(AB)
M42b	12-4	1712	5868	Sun	KEVT KEVT KEVT DE ZUZG ZUZG K. Message header: 180 100 12 1708 7602 =	CW + FSK 50/500	(AB)
M42b	13-4	1711	5868	Mon	KEVT KEVT KEVT DE ZUDG ZDFG K. Message header: 182 100 13 1711 5372 =	CW + FSK 50/500	(AB)
M42b	13-4	1711	6996	Mon	Unreadable, wkg ZUDG on 5868 kHz	CW + FSK 50/500	(AB)
M42b	14-4	1709	5868	Tue	KEVT KEVT KEVT DE ZUZG ZUZG K. Header: 184 100 14 1707 1454 =	CW + FSK 50/500	(AB)
M42b	14-4	1709	6996	Tue	ZUDG ZUDG ZUDG DE KEVT KEVT K. Header: 675 100 14 1700 1235 =	CW + FSK 50/500	(AB)
M42b	15-4	1709	6996	Wed	ZUDG ZUDG ZUDG DE KEVT KEVT QSA NO QSY 77043 QSY 77043	CW	(AB)
M42b	16-4	1700	6996	Thu	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 382 100 16 1650 4295 =	CW + FSK 50/500	(AB)
M42b	16-4	1709	5868	Thu	KEVT KEVT KEVT DE ZUDG ZUDG K. Message header: 188 100 16 1700 8449 =	CW + FSK 50/500	(AB)

M42b	17-4	0623	14681	Fri	VTHZLQPKFUJ ROBZLQPKFUJ RYPJCKZ GM00000000000000000000000000000000...VV000000000000 (re- peated)	FSK 50/500	(AB)
M42b	17-4	1709	5868	Fri	KEVT KEVT KEVT DE ZUDG ZUDG K. Message header: 190 100 17 1708 8343 =	CW + FSK 50/500	(AB)
M42b	17-4	1709	6996	Fri	ZUGD ZUGD ZUGD DE KEVT KEVT K. Message header: 898 100 17 1708 8343 =	CW + FSK 50/500	(AB)
M42b	18-4	1709	5868	Sat	KEVT KEVT KEVT DE ZUDG ZUDG K. Message header: 192 100 18 1705 2163 =	CW + FSK 50/500	(AB)
M42b	18-4	1709	6996	Sat	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 813 100 18 1650 4120 =	CW + FSK 50/500	(AB)
M42b	19-4	1708	6996	Sun	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 417 100 19 1700 1235 =	CW + FSK 50/500	(AB)
M42b	19-4	1709	5868	Sun	KEVT KEVT KEVT DE ZUGD ZUGD K. Message header: 194 100 19 1710 8632 =	CW + FSK 50/500	(AB)
M42b	20-4	1709	5868	Mon	KEVT KEVT KEVT DE ZUDG ZDFG K. Message header: 196 100 20 1702 9571 =	CW + FSK 50/500	(AB)
M42b	20-4	1709	6996	Mon	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 893 100 20 1700 4937 =	CW + FSK 50/500	(AB)
M42b	21-4	1709	6996	Tue	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 924 100 21 1695 8962 =	CW + FSK 50/500	(AB)
M42b	21-4	1713	5868	Tue	KEVT KEVT KEVT DE ZUDG ZUDG K. Message header: 178 100 21 1711 2308 = =	CW + FSK 50/500	(AB)
M42b	22-4	1709	5868	Wed	KEVT KEVT KEVT DE ZUDG ZUDG K. Message header: 200 100 22 1707 8400 =	CW + FSK 50/500	(AB)
M42b	23-4	0600	10500	Thu	RAZ2: Russian PtP link id 29075 clg RWB5	FSK 50/500	(PHP)
M42b	23-4	1710	5868	Thu	KEVT KEVT KEVT DE ZUDG ZUDG K. Message header: 202 100 23 1712 1028=	CW + FSK 50/500	(AB)
M42b	23-4	1710	6996	Thu	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 379 100 23 1700 2450 =	CW + FSK 50/500	(AB)
M42b	24-4	1709	5868	Fri	KEVT KEVT KEVT DE ZUDG ZUDG K. Message header: 204 100 24 1658 1965=	CW + FSK 50/500	(AB)
M42b	24-4	1709	6996	Fri	ZUGD ZUGD ZUGD DE KEVT KEVT K. Message header: 781 100 24 1655 8251 =	CW + FSK 50/500	(AB)
M42b	25-4	1710	5868	Sat	KEVT KEVT KEVT DE ZUDG ZUDG K. Message header: 000 100 25 1707 6172 =	CW + FSK 50/500	(AB)
M42b	25-4	1710	6996	Sat	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 123 100 1700 1235 =	CW + FSK 50/500	(AB)
M42b	26-4	1712	5868	Sun	KEVT KEVT KEVT DE ZUGD ZUGD K. Header: 208 100 26 1712 5858 =	CW + FSK 50/500	(AB)
M42b	26-4	1712	6996	Sun	ZUDG ZUDG ZUDG DE KEVT KEVT K. Header: 794 100 26 1700 2967 =	CW + FSK 50/500	(AB)
M42b	27-4	1709	5868	Mon	KEVT KEVT KEVT DE ZUDG ZDFG K. Message header: 210 100 27 1704 8484 =	CW + FSK 50/500	(AB)
M42b	27-4	1709	6996	Mon	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 088 100 27 1700 5587 =	CW + FSK 50/500	(AB)
M42b	28-4	1709	6996	Tue	ZUDG ZUDG ZUDG DE KEVT KEVT K. ZUDG ZUDG ZUDG DE KEVT KEVT QSL NO QSY 77043 QSY 77043 K	CW + FSK 50/500	(AB)
M42b	28-4	1716	5868	Tue	KEVT KEVT KEVT DE ZUDG ZUDG K	CW + FSK 50/500	(AB)
M42b	29-4	1709	5868	Wed	KEVT KEVT KEVT DE ZUDG ZUDG K. Message header: 214 100 29 1704 2350 =	CW + FSK 50/500	(AB)
M42b	29-4	1709	6996	Wed	ZUDG ZUDG ZUDG DE KEVT KEVT K. Message header: 846 100 29 1650 2410 =	CW + FSK 50/500	(AB)
M42b	30-4	1709	6996	Thu	ZUDG ZUDG ZUDG DE KEVT KEVT QSA NO QSY 77043 QSY 77043 K	CW + FSK 50/500	(AB)
M42b F	15-4	1333	16128	Wed	VTHZLQPKFUJ ROBZLQPKFUJ RKZ YPJCEXS GM0000000000000000 ... OOOOOOOO (repeated)	SK 50/500	(AB)
M42b F	15-4	1348	13455	Wed	BZLQPCAUJ R0HZLQPCAUJ RGWY0HZG ISKFUK00000000000000 ... 00000000 (repeated)	SK 50/500	(AB)
M89	1-4	2157	3611	Wed	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	1-4	2157	4522	Wed	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	1-4	2220	4860	Wed	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	1-4	2220	6840	Wed	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	2-4	0935	7133	Thu	V N3DT (x3) DE LZHI (x2)	CW	(JPL)
M89	2-4	0943	5419	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	2-4	0943	13362	Thu	TG1Y (x3) DE X9FW (x2)	CW	(JPL)

M89	2-4	1020	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	2-4	1029	6987	Thu	i.p.	CW	(JPL)
M89	2-4	1049	5550	Thu	i.p. DE YT7S	CW	(JPL)
M89	2-4	1058	3611	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	2-4	1058	4522	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	2-4	1058	4522	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	2-4	1101	6880	Thu	i.p. NR 1100/EX 1900 = Y8X/LW5 AR QSY 4 QSY 4 VVV	CW	(JPL)
M89	2-4	1111	5710	Thu	i.p.	CW	(JPL)
M89	2-4	1113	5556	Thu	i.p.	CW	(JPL)
M89	2-4	1120	4860	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	2-4	1120	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	2-4	1128	4044	Thu	i.p. NR 1001 CK 49 62 0402 1930 =	CW	(JPL)
M89	2-4	1148	6352	Thu	i.p. NR 1181 CK .. 71 0402 193 RMKS CQ =	CW	(JPL)
M89	2-4	1156	3774	Thu	i.p.	CW	(JPL)
M89	2-4	1451	4830	Thu	i.p. RMKS 5579 TO 5567 =	CW	(JPL)
M89	2-4	1455	4933.5	Thu	i.p. ABCDEFGHIJKLMNOPQRSTUVWXYZ TAU34567DN III AS VA M (rptd)	CW	(JPL)
M89	2-4	1507	5566	Thu	i.p.	CW	(JPL)
M89	2-4	1520	4860	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	2-4	1520	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	10-4	1126	7951	Fri	i.p.	CW	(JPL)
M89	10-4	1128	3611	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	10-4	1128	5419	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	10-4	1128	5419	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	10-4	1208	3126	Fri	i.p. NR 1545/EX 2003 = ..D9/N2LL AR QSY 02 QSY 01	CW	(JPL)
M89	10-4	1218	3313	Fri	i.p.	CW	(JPL)
M89	10-4	1226	3849	Fri	i.p.	CW	(JPL)
M89	10-4	1231	3994	Fri	i.p.	CW	(JPL)
M89	10-4	1233	4081	Fri	i.p.	CW	(JPL)
M89	10-4	1234	4122	Fri	i.p.	CW	(JPL)
M89	10-4	1245	4522	Fri	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	10-4	1250	4782	Fri	i.p.	CW	(JPL)
M89	10-4	1254	5107	Fri	i.p.	CW	(JPL)
M89	10-4	1256	5134	Fri	i.p.	CW	(JPL)
M89	10-4	1259	5357	Fri	i.p.	CW	(JPL)
M89	10-4	1305	5389	Fri	i.p.	CW	(JPL)
M89	10-4	1645	5455	Fri	i.p. NR 1515/EX 0033 = CLZ3/P4D9 AR C4HN	CW	(JPL)
M89	10-4	1648	5524	Fri	(In tfc - DE M2QX)	CW	(JPL)
M89	10-4	1713	3654	Fri	i.p.	CW	(JPL)
M89	10-4	1714	3678	Fri	i.p.	CW	(JPL)
M89	10-4	1720	4860	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	10-4	1720	6840	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	11-4	1120	4860	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)

M89	11-4	1120	6840	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	11-4	1126	5107	Sat	V N3DT (x3) DE LZHI (x2) Note: New frequency.	CW	(JPL)
M89	11-4	1132	3611	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	11-4	1132	4522	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	11-4	1132	5419	Sat	TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	11-4	1138	6254	Sat	FF NR 109/EX 2100 RMKS 3884 TO 3290 = RFT4/DFG5 AR F NR 054/EX 2102 RMKS 3290 TO 3884 = RTG3/JKM2 AR NR 110 CK 51 12 0411 2100 RMKS 3885 TO 3290 =	CW	(JPL)
M89	11-4	1148	6254	Sat	i.p.	CW	(JPL)
M89	11-4	1204	5814	Sat	i.p.	CW	(JPL)
M89	11-4	1219	3597	Sat	i.p.	CW	(JPL)
M89	11-4	1233	4478	Sat	i.p. SVC 085/X.Z.3/9713/33/53/22/X037A/COMM/9203 AR	CW	(JPL)
M89	11-4	1241	5072	Sat	i.p.	CW	(JPL)
M89	11-4	1513	3680	Sat	i.p.	CW	(JPL)
M89	11-4	1519	4239	Sat	(In tfc 0411 2310 RMKS 4101 TO 4451 =	CW	(JPL)
M89	11-4	1720	4860	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	11-4	1720	6840	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	11-4	1730	4720	Sat	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	CW	(JPL)
M89	11-4	1730	5150	Sat	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	CW	(JPL)
M89	11-4	1820	4860	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	11-4	1820	6840	Sat	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	11-4	1830	4720	Sat	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	CW	(JPL)
M89	11-4	1830	5150	Sat	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	CW	(JPL)
M89	12-4	1030	7620	Sun	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	CW	(JPL)
M89	12-4	1030	8350	Sun	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	CW	(JPL)
M89	12-4	1039	3611	Sun	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	12-4	1039	4522	Sun	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	12-4	1039	5419	Sun	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	12-4	1043	7133	Sun	V N3DT (x3) DE LZHI (x2)	CW	(JPL)
M89	12-4	1130	7620	Sun	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	CW	(JPL)
M89	12-4	1130	8350	Sun	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	CW	(JPL)
M89	12-4	1156	4131	Sun	i.p. NR 2408 CK 51 55 0412 19.. RMKS 4753 TO 5752 =	CW	(JPL)
M89	12-4	1200	4211	Sun	2ILS i.p. FFF NR 1011/EX 1948 RMKS CQ BT R4OJ/KBKB =	CW	(JPL)
M89	12-4	1217	5107	Sun	V N3DT (x3) DE LZHI (x2) i.p.	CW	(JPL)
M89	12-4	1220	4860	Sun	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	12-4	1220	6840	Sun	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	12-4	1448	4224	Sun	i.p. DE VNU3 MSG GA	CW	(JPL)
M89	12-4	1509	4260	Sun	i.p.	CW	(JPL)
M89	14-4	0943	3611	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	14-4	0954	4522	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	14-4	0954	5419	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	14-4	1010	11111	Tue	i.p. very slow Stopped in the middle	CW	(JPL)
M89	14-4	1026	10086	Tue	i.p. RMKS 1.12 TO 5377	CW	(JPL)

M89	14-4	1029	9100	Tue	i.p.	CW	(JPL)
M89	14-4	1035	8612	Tue	i.p.	CW	(JPL)
M89	14-4	1039	8040	Tue	V N3DT (x3) DE LZHI (x2) Note: New frequency.	CW	(JPL)
M89	14-4	1045	6362	Tue	3W5K i.p. NR 0954 CK 62 40 0414 1830 RMKS CQ =	CW	(JPL)
M89	14-4	1050	5349	Tue	i.p.	CW	(JPL)
M89	14-4	1130	7620	Tue	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	CW	(JPL)
M89	14-4	1130	8350	Tue	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	CW	(JPL)
M89	14-4	1139	6873	Tue	i.p.	CW	(JPL)
M89	14-4	1209	3218	Tue	i.p. NR .. CK .. 66 0414 2000 RMKS 4020545 TO 4029540 =	CW	(JPL)
M89	14-4	1221	4165	Tue	i.p.	CW	(JPL)
M89	14-4	1223	4190	Tue	i.p.	CW	(JPL)
M89	14-4	1224	4252	Tue	i.p.	CW	(JPL)
M89	14-4	1226	4271.85	Tue	i.p.	CW	(JPL)
M89	14-4	1236	4680	Tue	i.p.	CW	(JPL)
M89	14-4	1238	5021	Tue	i.p.	CW	(JPL)
M89	14-4	1240	5102	Tue	i.p.	CW	(JPL)
M89	14-4	1241	5107	Tue	V N3DT (x3) DE LZHI (x2)	CW	(JPL)
M89	14-4	1243	5230	Tue	i.p.	CW	(JPL)
M89	14-4	1245	5270	Tue	i.p.	CW	(JPL)
M89	14-4	1305	5388	Tue	i.p.	CW	(JPL)
M89	14-4	1308	5278	Tue	i.p. NR 2305 CK .1 15 04114 2100 RMKS 6032485 TO 6032485 =	CW	(JPL)
M89	14-4	1314	4778	Tue	i.p.	CW	(JPL)
M89	14-4	1315	4731	Tue	i.p.	CW	(JPL)
M89	14-4	1318	4278	Tue	i.p. NR 3001 CK 100 23 0414 2120 RMKS 3398 TO 4732 =	CW	(JPL)
M89	14-4	1653	3568	Tue	i.p.	CW	(JPL)
M89	14-4	2220	4860	Tue	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	14-4	2220	6840	Tue	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	16-4	0938	3611	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	16-4	0938	4522	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	16-4	0938	5419	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	16-4	1310	3666	Thu	i.p.	CW	(JPL)
M89	16-4	1317	4378	Thu	i.p.	CW	(JPL)
M89	16-4	1319	4355	Thu	i.p. extremely slow	CW	(JPL)
M89	16-4	1320	4525	Thu	i.p.	CW	(JPL)
M89	16-4	1320	4860	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	16-4	1320	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	16-4	1322	4535	Thu	i.p.	CW	(JPL)
M89	17-4	1013	3611	Fri	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	17-4	1013	4522	Fri	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	17-4	1013	5419	Fri	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	17-4	1020	6840	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	17-4	1110	5591	Fri	i.p. NR 1821/EX 1900 = CNW0/A5Z8 AR QSY SW QSY SW QSY SW VVW	CW	(JPL)

M89	17-4	1116	4721	Fri	i.p. NR ..../EX 1915 = NIMO/..X2 AR QSY 19 QSY 19 VVV	CW	(JPL)
M89	17-4	1119	4819	Fri	i.p. /EX tfc - QSY 07 VVV	CW	(JPL)
M89	17-4	1120	4860	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	17-4	1120	6840	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	17-4	1122	4866	Fri	i.p. NR ..../EX 1921 = EODO/T8NN QSY 07 QSY 07 VVV	CW	(JPL)
M89	17-4	1205	3913	Fri	i.p.	CW	(JPL)
M89	17-4	1207	4122	Fri	i.p.	CW	(JPL)
M89	17-4	1209	4190	Fri	i.p.	CW	(JPL)
M89	17-4	1210	4266	Fri	i.p.	CW	(JPL)
M89	17-4	1211	4250	Fri	i.p.	CW	(JPL)
M89	17-4	1216	4900	Fri	i.p.	CW	(JPL)
M89	17-4	1218	5024	Fri	i.p.	CW	(JPL)
M89	17-4	1220	4860	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	17-4	1220	6840	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	17-4	1221	5506	Fri	i.p.	CW	(JPL)
M89	17-4	1224	5601	Fri	i.p. NR 1952/EX 2024 = U5.9/B7LL AR QSY 07 QSY 07 VVV	CW	(JPL)
M89	17-4	1228	5618	Fri	i.p.	CW	(JPL)
M89	17-4	1229	5689	Fri	i.p.	CW	(JPL)
M89	17-4	1230	5724	Fri	i.p.	CW	(JPL)
M89	17-4	1231	5710	Fri	i.p.	CW	(JPL)
M89	17-4	1232	5789	Fri	i.p.	CW	(JPL)
M89	17-4	1306	5388	Fri	i.p.	CW	(JPL)
M89	17-4	1308	5512	Fri	i.p.	CW	(JPL)
M89	17-4	1310	5610	Fri	i.p.	CW	(JPL)
M89	17-4	1311	5697	Fri	i.p.	CW	(JPL)
M89	17-4	1313	5837	Fri	i.p.	CW	(JPL)
M89	17-4	1323	4327	Fri	i.p.	CW	(JPL)
M89	17-4	1451	5143	Fri	i.p. DE 9FGJ	CW	(JPL)
M89	17-4	1513	4812	Fri	i.p.	CW	(JPL)
M89	17-4	1517	4922	Fri	i.p.	CW	(JPL)
M89	17-4	1520	4860	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	17-4	1520	6840	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	17-4	1527	5555	Fri	i.p. 05 05 05 05 05 05 05 05 05 05 05 05 05 05 05 05 N4N 0T4A5D7A5N54UD40DT434 4A5D5 A5N (05 -Long zero)	CW	(JPL)
M89	17-4	1910	5466	Fri	i.p.	CW	(JPL)
M89	17-4	1913	5402	Fri	i.p.	CW	(JPL)
M89	17-4	1919	4640	Fri	i.p.	CW	(JPL)
M89	17-4	1923	4426	Fri	i.p.	CW	(JPL)
M89	21-4	1108	3611	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	21-4	1108	4522	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	21-4	1108	5419	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	21-4	1111	7133	Tue	V N3DT (x3) DE LZHI (x2)	CW	(JPL)

M89	21-4	1115	6735	Tue	KDIO ... FFF NR 1047/EX 1915 = X0N/S7H AR (x3) QSY 21 QSY 21 VVV	CW	(JPL)
M89	21-4	1125	6421	Tue	i.p. NR 1950/EX 1921 = B8S/TJQ AR QSY 12 QSY 12 VV	CW	(JPL)
M89	21-4	1128	5357	Tue	i.p.	CW	(JPL)
M89	21-4	1155	5107	Tue	V N3DT (x3) DE LZHI (x2)	CW	(JPL)
M89	21-4	1157	5058	Tue	i.p.	CW	(JPL)
M89	21-4	1159	4600	Tue	i.p.	CW	(JPL)
M89	21-4	1202	4610	Tue	i.p.	CW	(JPL)
M89	21-4	1210	3641	Tue	i.p.	CW	(JPL)
M89	21-4	1212	3520	Tue	NR 4021 CK 51 37 0421 2000 RMKS 7045952 TO 7045941 =	CW	(JPL)
M89	21-4	1215	4540	Tue	i.p.	CW	(JPL)
M89	21-4	1217	4554	Tue	i.p.	CW	(JPL)
M89	21-4	1218	4640	Tue	i.p.	CW	(JPL)
M89	21-4	1221	5065	Tue	i.p.	CW	(JPL)
M89	21-4	1223	5230	Tue	i.p.	CW	(JPL)
M89	21-4	1225	5331	Tue	i.p.	CW	(JPL)
M89	21-4	1226	5348	Tue	i.p.	CW	(JPL)
M89	21-4	1229	5678	Tue	i.p.	CW	(JPL)
M89	21-4	1230	5689	Tue	i.p.	CW	(JPL)
M89	21-4	1231	5724	Tue	i.p.	CW	(JPL)
M89	21-4	1232	5732	Tue	i.p.	CW	(JPL)
M89	21-4	1234	6318	Tue	i.p.	CW	(JPL)
M89	21-4	1237	6862	Tue	i.p.	CW	(JPL)
M89	23-4	1158	3611	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-4	1158	4522	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-4	1158	5419	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-4	1200	5107	Thu	V N3DT (x3) DE LZHI (x2)	CW	(JPL)
M89	23-4	1210	4242	Thu	i.p.	CW	(JPL)
M89	23-4	1212	4272	Thu	i.p.	CW	(JPL)
M89	23-4	1215	5065	Thu	i.p.	CW	(JPL)
M89	23-4	1217	5136	Thu	i.p.	CW	(JPL)
M89	23-4	1218	5173	Thu	i.p.	CW	(JPL)
M89	23-4	1220	5236	Thu	i.p.	CW	(JPL)
M89	23-4	1221	5207	Thu	i.p. RMKS 4029773 TO 4029781 =	CW	(JPL)
M89	23-4	1227	5610	Thu	i.p.	CW	(JPL)
M89	23-4	1228	5618	Thu	i.p.	CW	(JPL)
M89	23-4	1229	5642	Thu	i.p.	CW	(JPL)
M89	23-4	1230	5645	Thu	i.p.	CW	(JPL)
M89	23-4	1231	5681	Thu	i.p.	CW	(JPL)
M89	23-4	1232	5689	Thu	i.p.	CW	(JPL)
M89	23-4	1233	5724	Thu	i.p.	CW	(JPL)
M89	23-4	1237	5854	Thu	i.p. DE AGK9	CW	(JPL)
M89	23-4	1240	6359	Thu	i.p.	CW	(JPL)

M89	23-4	1242	6587.2	Thu	i.p.	CW	(JPL)
M89	23-4	1242	6667.77	Thu	i.p.	CW	(JPL)
M89	23-4	1246	6928	Thu	i.p.	CW	(JPL)
M89	23-4	1354	3611	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-4	1354	4522	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-4	1354	5419	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	23-4	1406	3545	Thu	i.p.	CW	(JPL)
M89	23-4	1414	4167	Thu	i.p. RMKS 5485525083 TO 5285545082. =	CW	(JPL)
M89	23-4	1420	4860	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	23-4	1420	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	23-4	1429	5466	Thu	i.p.	CW	(JPL)
M89	23-4	1657	4220	Thu	i.p.	CW	(JPL)
M89	23-4	1658	4267	Thu	i.p.	CW	(JPL)
M89	23-4	1659	4283	Thu	i.p.	CW	(JPL)
M89	23-4	1712	4510	Thu	i.p.	CW	(JPL)
M89	23-4	1715	4520	Thu	i.p. TO 7045941 =	CW	(JPL)
M89	23-4	1717	4525	Thu	i.p. RMKS 7045489 TO 7045484 =	CW	(JPL)
M89	23-4	1719	4610	Thu	i.p.	CW	(JPL)
M89	23-4	1726	5411	Thu	i.p.	CW	(JPL)
M89	23-4	1728	5566	Thu	i.p.	CW	(JPL)
M89	23-4	2230	6367	Thu	i.p.	CW	(JPL)
M89	24-4	0957	3611	Fri	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	24-4	0957	4522	Fri	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	24-4	0957	5419	Fri	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	24-4	1006	7133	Fri	V N3DT (x3) DE LZHI (x2)	CW	(JPL)
M89	24-4	1011	8955	Fri	i.p.	CW	(JPL)
M89	24-4	1028	7689	Fri	i.p.	CW	(JPL)
M89	24-4	1030	7620	Fri	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	CW	(JPL)
M89	24-4	1030	8350	Fri	VVV WNF (x3) DE FXM (x2) (R5) QSA ? K	CW	(JPL)
M89	24-4	1036	6727	Fri	i.p.	CW	(JPL)
M89	24-4	1038	6587	Fri	i.p. F NR 0983/EX 1848 RMKS = CQ = W3F5/U4A0 AR	CW	(JPL)
M89	24-4	1105	4721	Fri	i.p. 3S5M FFF NR 1932/EX 1906 = QWS3/T9BO AR QSY 07 QSY 07 VVV	CW	(JPL)
M89	24-4	1112	5756	Fri	i.p. QSY 10 QSY 10 VVV	CW	(JPL)
M89	24-4	1115	6210	Fri	i.p. NR 1151/EX 1912 = P5F0/D5SJ QSY SW QSY SW VVV	CW	(JPL)
M89	24-4	1117	6205	Fri	i.p. NR 1050/EX 1915 = W2ZH/LJT0 AR QSY 11 QSY 11 VVV	CW	(JPL)
M89	24-4	1125	6201	Fri	i.p. FF NR 1244/EX 1923 RMKS 7065 TO 7379 = JJU5/S3O4 AR K	CW	(JPL)
M89	24-4	1205	4131	Fri	i.p. FF NR 56/EX 2005 RMKS CQ = C1K7/X209 AR QSL ?	CW	(JPL)
M89	24-4	1209	4351	Fri	i.p. Not cut numbers	CW	(JPL)
M89	24-4	1215	4484	Fri	i.p.	CW	(JPL)
M89	24-4	1217	4540	Fri	i.p.	CW	(JPL)
M89	24-4	1219	4744	Fri	i.p.	CW	(JPL)
M89	24-4	1223	4965	Fri	i.p.	CW	(JPL)

M89	24-4	1227	5107	Fri	V N3DT (x3) DE LZHI (x2)	CW	(JPL)
M89	24-4	1228	5207	Fri	i.p.	CW	(JPL)
M89	24-4	1230	5230	Fri	i.p.	CW	(JPL)
M89	24-4	1231	5380	Fri	i.p.	CW	(JPL)
M89	24-4	1234	5424	Fri	i.p.	CW	(JPL)
M89	24-4	1235	5486	Fri	i.p.	CW	(JPL)
M89	24-4	1236	5618	Fri	i.p.	CW	(JPL)
M89	24-4	1236	5618	Fri	i.p.	CW	(JPL)
M89	24-4	1239	5689	Fri	i.p.	CW	(JPL)
M89	24-4	1240	5724	Fri	i.p.	CW	(JPL)
M89	24-4	1245	6323	Fri	i.p.	CW	(JPL)
M89	24-4	1248	6771	Fri	i.p.	CW	(JPL)
M89	24-4	1250	6890	Fri	i.p.	CW	(JPL)
M89	24-4	1251	6899	Fri	i.p.	CW	(JPL)
M89	24-4	1513	6523	Fri	i.p. FFF NR 492/EX 2352 RMKS 3497 TO 2499 = M2C5/J9PV AR	CW	(JPL)
M89	24-4	1719	3668	Fri	i.p.	CW	(JPL)
M89	24-4	1720	4860	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	24-4	1720	6840	Fri	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	24-4	1726	4113	Fri	i.p.	CW	(JPL)
M89	28-4	1048	3611	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	28-4	1048	4522	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	28-4	1048	5419	Tue	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	28-4	1049	7133	Tue	V N3DT (x3) DE LZHI (x2)	CW	(JPL)
M89	28-4	1053	9228	Tue	i.p.	CW	(JPL)
M89	28-4	1110	9090	Tue	i.p.	CW	(JPL)
M89	28-4	1112	9254	Tue	i.p.	CW	(JPL)
M89	28-4	1120	4860	Tue	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	28-4	1120	6840	Tue	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	28-4	1124	4347	Tue	i.p. QSA QSY 06 06	CW	(JPL)
M89	28-4	1142	7426	Tue	i.p.	CW	(JPL)
M89	28-4	1158	5107	Tue	V N3DT (x3) DE LZHI (x2) NR 017/EX 2018 = DBSJ/I2O5 AR QSY 86 QSY 86 VVV	CW	(JPL)
M89	28-4	1225	4546	Tue	i.p. DE GY7G	CW	(JPL)
M89	28-4	1230	4657	Tue	i.p. NR 2633/EX 0913 RMKS 3595 TO 898 = A5/B2 AR	CW	(JPL)
M89	28-4	1233	4833	Tue	i.p.	CW	(JPL)
M89	28-4	1303	4365	Tue	i.p.	CW	(JPL)
M89	28-4	1306	4336	Tue	i.p. TO 8044955 =	CW	(JPL)
M89	29-4	1634	3611	Wed	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	29-4	1634	4522	Wed	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	29-4	1634	5419	Wed	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	29-4	1639	5107	Wed	V N3DT (x3) DE LZHI (x2)	CW	(JPL)
M89	29-4	1643	3322	Wed	NR 4001 CK 05 21 0430 0934 RMKS 1002 TO 10001 = NR 1009 CK 05 21 0430 0903 RMKS 1001 TO 1002 =	CW	(JPL)

M89	29-4	1653	4206	Wed	i.p. DE FDJ2	CW	(JPL)
M89	29-4	1703	5399	Wed	i.p.	CW	(JPL)
M89	29-4	1710	5544	Wed	i.p.	CW	(JPL)
M89	29-4	1712	5735	Wed	i.p.	CW	(JPL)
M89	29-4	1735	5888	Wed	i.p. NR 500 CK 21 59 0430 0100 RMKS JQXZ TO BZZZ = NR 500 CK 21 59 0430 0100 RMKS UNNX TO BZZZ =	CW	(JPL)
M89	29-4	1758	6490	Wed	i.p. CJAR DE FA8R NR 3333 CK 61 140 ... 15 RMKS 80440 TO 108044042 K	CW	(JPL)
M89	29-4	1807	6588	Wed	i.p.	CW	(JPL)
M89	29-4	1810	6655	Wed	i.p.	CW	(JPL)
M89	29-4	1812	6781	Wed	i.p.	CW	(JPL)
M89	29-4	1815	5865	Wed	i.p.	CW	(JPL)
M89	29-4	1820	4860	Wed	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	29-4	1820	6840	Wed	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	30-4	1508	3611	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	30-4	1508	4522	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	30-4	1508	5419	Thu	V TG1Y (x3) DE X9FW (x2)	CW	(JPL)
M89	30-4	1513	3354	Thu	i.p.	CW	(JPL)
M89	30-4	1520	4860	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M89	30-4	1520	6840	Thu	V Q2M (x3) DE NYZ (x2) (R5) QSA ? K	CW	(JPL)
M95	1-4	2209	6886	Wed	V WCJ (x3) DE HBDD (x2)	CW	(JPL)
M95	1-4	2323	9392	Wed	NR 274 CK 120 35 0402 0703 = ZNN SK	CW	(JPL)
M95	1-4	2352	9042	Wed	NR 039 CK 18 35 0402 0606 = NR 84 CK 58 35 0402 0714 = NR 03 CK 109 35 0402 0730 =	CW	(JPL)
M95	2-4	1109	6557	Thu	V WCJ (x3) DE HBDD (x2)	CW	(JPL)
M95	2-4	1150	4156	Thu	NR 04 CK 234 35 0402 1507 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	2-4	1150	6352	Thu	NR 04 CK 234 35 0402 1507 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	2-4	1150	9042	Thu	NR 04 CK 234 35 0402 1507 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	2-4	1157	4542	Thu	BNGC DE XS30 NR 0294 CK 38. 35 0404 1557 = //6876 kHz	CW	(JPL)
M95	2-4	1157	6876	Thu	BNGC DE XS30 NR 0294 CK 38. 35 0404 1557 = //4542 kHz	CW	(JPL)
M95	2-4	1526	3903	Thu	V WCJ (x3) DE HBDD (x2)	CW	(JPL)
M95	10-4	1115	6557	Fri	V WCJ (x3) DE HBDD (x2)	CW	(JPL)
M95	10-4	1115	11475	Fri	V WCJ (x3) DE HBDD (x2)	CW	(JPL)
M95	10-4	1150	9042	Fri	NR 002 CK 41 35 0410 1538 = NR 20 CK 171 35 0410 1558 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	10-4	1229	3903	Fri	V WCJ (x3) DE HBDD (x2)	CW	(JPL)
M95	10-4	1238	4444	Fri	i.p. NR 164/CCK CK 143 24 0410 2025 RMKS .81P CDWT =	CW	(JPL)
M95	11-4	1136	6557	Sat	V WCJ (x3) DE HBDD (x2)	CW	(JPL)
M95	11-4	1151	6352	Sat	NR 004 CK 30 35 0411 15.9 = NR 22 CK 137 35 0411 1544 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	11-4	1200	5555	Sat	NR ../CCC CK	CW	(JPL)
M95	11-4	1516	3903	Sat	V WCJ (x3) DE HBDD (x2)	CW	(JPL)
M95	12-4	1136	6876	Sun	BNGC DE XS30 NR 0314 CK 149 35 0412 1520 = //4542 kHz	CW	(JPL)
M95	12-4	1150	9042	Sun	NR 006 CK 33 35 0412 1456 = NR 24 CK 143 35 0412 1526 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	12-4	1444	3903	Sun	V WCJ (x3) DE HBDD (x2)	CW	(JPL)

M95	13-4	1155	6557	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-4	1155	11475	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-4	1508	3903	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	13-4	1508	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	14-4	0948	11475	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	14-4	1141	6876	Tue	BNGC DE XS30 NR 0318 CK 288 35 0414 1513 = //4542 kHz	CW	(JPL)
M95	14-4	1150	9042	Tue	NR 010 CK 38 35 0414 1524 = NR 28 CK 132 35 0414 1525 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	14-4	1215	3903	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	14-4	1215	6886	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	14-4	1254	6886	Tue	V WCJJ (x3) DE HBDD (x2) NR .925/CCK CK 12 4 13 14 RMKS 557 0050092 ...	CW	(JPL)
M95	16-4	1312	3903	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	16-4	1312	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	17-4	1008	11475	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	17-4	1150	9042	Fri	NR 34 CK 152 35 0417 1542 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	17-4	1202	6557	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	17-4	1445	3903	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	17-4	1445	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	21-4	1058	6557	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	21-4	1058	11475	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	21-4	1143	6876	Tue	NR 0332 CK 376 35 0421 1558 = //4542 kHz	CW	(JPL)
M95	21-4	1149	9042	Tue	NR 024 CK 40 35 0421 1520 = NR 42 CK 189 35 0421 1534 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	21-4	1239	3903	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	21-4	1239	6886	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-4	1357	3903	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	23-4	1357	6886	Thu	V N3DT (x3) DE LZHI (x2)	CW	(JPL)
M95	23-4	2317	9392	Thu	NR 340 CK 122 35 0424 0658 = //9392 kHz	CW	(JPL)
M95	23-4	2347	9042	Thu	NR 010 CK 29 35 0424 0556 = NR 029 CK 43 35 0424 0637 = //6352 kHz	CW	(JPL)
M95	24-4	0954	11475	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	24-4	1139	6876	Fri	NR 0338 CK 297 35 0424 15.. = //4542 kHz	CW	(JPL)
M95	24-4	1149	9042	Fri	NR 030 CK 48 35 0424 1444 = NR 48 CK 157 35 0424 1530 = //9042, 6352, 4156 kHz	CW	(JPL)
M95	24-4	1453	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	28-4	1047	11475	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	28-4	1142	6876	Tue	NR 03... 135 0428 1554 = //4542 kHz	CW	(JPL)
M95	28-4	1149	9042	Tue	NR 038 CK 41 35 35 0428 1455 = NR 56 CK 137 35 0428 1523 = //9052, 6352, 4156 kHz	CW	(JPL)
M95	28-4	1559	3903	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	28-4	1559	6886	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	29-4	1636	3903	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	29-4	1636	6886	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	30-4	1506	3903	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	30-4	1506	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
P03	1-4	0950	12153	Wed	Polish intel.	PSK	(AB)
P03	1-4	0955	12153	Wed	Polish intel.	PSK	(AB)

P03	1-4	1100	9371	Wed	Polish intel.	PSK	(AB)
P03	1-4	1105	9371	Wed	Polish intel.	PSK	(AB)
P03	1-4	1310	10213	Wed	Polish intel.	PSK	(AB)
P03	1-4	1315	10213	Wed	Polish intel.	PSK	(AB)
P03	3-4	0530	5176	Fri	Polish intel.	PSK	(AB)
P03	3-4	0535	5176	Fri	Polish intel.	PSK	(AB)
P03	3-4	1100	7850	Fri	Polish intel.	PSK	(AB)
P03	3-4	1100	7850	Fri	Polish intel.	PSK	(AB)
P03	4-4	1020	6849	Sat	Polish intel.	PSK	(AB)
P03	4-4	1025	6849	Sat	Polish intel.	PSK	(AB)
P03	4-4	1245	5176	Sat	Polish intel.	PSK	(AB)
P03	4-4	1250	5176	Sat	Polish intel.	PSK	(AB)
P03	4-4	1310	10213	Sat	Polish intel.	PSK	(AB)
P03	4-4	1315	10213	Sat	Polish intel.	PSK	(AB)
P03	5-4	0530	5176	Sun	Polish intel.	PSK	(AB)
P03	5-4	0535	5176	Sun	Polish intel.	PSK	(AB)
P03	5-4	1020	6849	Sun	Polish intel.	PSK	(AB)
P03	5-4	1025	6849	Sun	Polish intel.	PSK	(AB)
P03	5-4	1100	7850	Sun	Polish intel.	PSK	(AB)
P03	5-4	1100	7850	Sun	Polish intel.	PSK	(AB)
P03	5-4	1220	20167	Sun	Polish intel.	PSK	(AB)
P03	5-4	1225	20167	Sun	Polish intel.	PSK	(AB)
P03	5-4	1245	5176	Sun	Polish intel.	PSK	(AB)
P03	5-4	1250	5176	Sun	Polish intel.	PSK	(AB)
P03	5-4	1515	18405	Sun	Polish intel.	PSK	(AB)
P03	5-4	1520	18405	Sun	Polish intel.	PSK	(AB)
P03	5-4	1950	7749	Sun	Polish intel.	PSK	(AB)
P03	5-4	1955	7749	Sun	Polish intel.	PSK	(AB)
P03	6-4	0950	12153	Mon	Polish intel.	PSK	(AB)
P03	6-4	0955	12153	Mon	Polish intel.	PSK	(AB)
P03	6-4	1220	20167	Mon	Polish intel.	PSK	(AB)
P03	6-4	1225	20167	Mon	Polish intel.	PSK	(AB)
P03	7-4	1100	9371	Tue	Polish intel.	PSK	(AB)
P03	7-4	1105	9371	Tue	Polish intel.	PSK	(AB)
P03	7-4	1725	13873	Tue	Polish intel.	PSK	(AB)
P03	7-4	1730	13873	Tue	Polish intel.	PSK	(AB)
P03	8-4	0950	12153	Wed	Polish intel.	PSK	(AB)
P03	8-4	0955	12153	Wed	Polish intel.	PSK	(AB)
P03	8-4	1100	9371	Wed	Polish intel.	PSK	(AB)
P03	8-4	1105	9371	Wed	Polish intel.	PSK	(AB)
P03	8-4	1310	10213	Wed	Polish intel.	PSK	(AB)
P03	8-4	1315	10213	Wed	Polish intel.	PSK	(AB)

P03	10-4	0530	5176	Fri	Polish intel.	PSK	(AB)
P03	10-4	0535	5176	Fri	Polish intel.	PSK	(AB)
P03	10-4	1100	7850	Fri	Polish intel.	PSK	(AB)
P03	10-4	1100	7850	Fri	Polish intel.	PSK	(AB)
P03	10-4	1515	18405	Fri	Polish intel.	PSK	(AB)
P03	10-4	1520	18405	Fri	Polish intel.	PSK	(AB)
P03	11-4	1020	6849	Sat	Polish intel.	PSK	(AB)
P03	11-4	1025	6849	Sat	Polish intel.	PSK	(AB)
P03	11-4	1245	5176	Sat	Polish intel.	PSK	(AB)
P03	11-4	1250	5176	Sat	Polish intel.	PSK	(AB)
P03	11-4	1310	10213	Sat	Polish intel.	PSK	(AB)
P03	11-4	1315	10213	Sat	Polish intel.	PSK	(AB)
P03	12-4	0530	5176	Sun	Polish intel.	PSK	(AB)
P03	12-4	0535	5176	Sun	Polish intel.	PSK	(AB)
P03	12-4	1020	6849	Sun	Polish intel.	PSK	(AB)
P03	12-4	1025	6849	Sun	Polish intel.	PSK	(AB)
P03	12-4	1100	7850	Sun	Polish intel.	PSK	(AB)
P03	12-4	1100	7850	Sun	Polish intel.	PSK	(AB)
P03	12-4	1220	20167	Sun	Polish intel.	PSK	(AB)
P03	12-4	1225	20167	Sun	Polish intel.	PSK	(AB)
P03	12-4	1245	5176	Sun	Polish intel.	PSK	(AB)
P03	12-4	1250	5176	Sun	Polish intel.	PSK	(AB)
P03	12-4	1515	18405	Sun	Polish intel.	PSK	(AB)
P03	12-4	1520	18405	Sun	Polish intel.	PSK	(AB)
P03	12-4	1725	13873	Sun	Polish intel.	PSK	(AB)
P03	12-4	1730	13873	Sun	Polish intel.	PSK	(AB)
P03	12-4	1950	7749	Sun	Polish intel.	PSK	(AB)
P03	12-4	1955	7749	Sun	Polish intel.	PSK	(AB)
P03	13-4	0950	12153	Mon	Polish intel.	PSK	(AB)
P03	13-4	0955	12153	Mon	Polish intel.	PSK	(AB)
P03	13-4	1220	20167	Mon	Polish intel.	PSK	(AB)
P03	13-4	1225	20167	Mon	Polish intel.	PSK	(AB)
P03	14-4	1100	9371	Tue	Polish intel.	PSK	(AB)
P03	14-4	1105	9371	Tue	Polish intel.	PSK	(AB)
P03	14-4	1725	13873	Tue	Polish intel.	PSK	(AB)
P03	14-4	1730	13873	Tue	Polish intel.	PSK	(AB)
P03	15-4	0950	12153	Wed	Polish intel.	PSK	(AB)
P03	15-4	0955	12153	Wed	Polish intel.	PSK	(AB)
P03	15-4	1100	9371	Wed	Polish intel.	PSK	(AB)
P03	15-4	1105	9371	Wed	Polish intel.	PSK	(AB)
P03	15-4	1310	10213	Wed	Polish intel.	PSK	(AB)
P03	15-4	1315	10213	Wed	Polish intel.	PSK	(AB)

P03	16-4	1950	7749	Thu	Polish intel.	PSK	(AB)
P03	16-4	1955	7749	Thu	Polish intel.	PSK	(AB)
P03	17-4	0530	5176	Fri	Polish intel.	PSK	(AB)
P03	17-4	0535	5176	Fri	Polish intel.	PSK	(AB)
P03	17-4	1100	7850	Fri	Polish intel.	PSK	(AB)
P03	17-4	1100	7850	Fri	Polish intel.	PSK	(AB)
P03	17-4	1515	18405	Fri	Polish intel.	PSK	(AB)
P03	17-4	1520	18405	Fri	Polish intel.	PSK	(AB)
P03	18-4	1020	6849	Sat	Polish intel.	PSK	(AB)
P03	18-4	1025	6849	Sat	Polish intel.	PSK	(AB)
P03	18-4	1245	5176	Sat	Polish intel.	PSK	(AB)
P03	18-4	1250	5176	Sat	Polish intel.	PSK	(AB)
P03	18-4	1310	10213	Sat	Polish intel.	PSK	(AB)
P03	18-4	1315	10213	Sat	Polish intel.	PSK	(AB)
P03	19-4	0530	5176	Sun	Polish intel.	PSK	(AB)
P03	19-4	0535	5176	Sun	Polish intel.	PSK	(AB)
P03	19-4	1020	6849	Sun	Polish intel.	PSK	(AB)
P03	19-4	1025	6849	Sun	Polish intel.	PSK	(AB)
P03	19-4	1100	7850	Sun	Polish intel.	PSK	(AB)
P03	19-4	1100	7850	Sun	Polish intel.	PSK	(AB)
P03	19-4	1220	20167	Sun	Polish intel.	PSK	(AB)
P03	19-4	1225	20167	Sun	Polish intel.	PSK	(AB)
P03	19-4	1245	5176	Sun	Polish intel.	PSK	(AB)
P03	19-4	1250	5176	Sun	Polish intel.	PSK	(AB)
P03	19-4	1515	18405	Sun	Polish intel.	PSK	(AB)
P03	19-4	1520	18405	Sun	Polish intel.	PSK	(AB)
P03	19-4	1725	13873	Sun	Polish intel.	PSK	(AB)
P03	19-4	1730	13873	Sun	Polish intel.	PSK	(AB)
P03	19-4	1950	7749	Sun	Polish intel.	PSK	(AB)
P03	19-4	1955	7749	Sun	Polish intel.	PSK	(AB)
P03	20-4	0950	12153	Mon	Polish intel.	PSK	(AB)
P03	20-4	0955	12153	Mon	Polish intel.	PSK	(AB)
P03	20-4	1220	20167	Mon	Polish intel.	PSK	(AB)
P03	20-4	1225	20167	Mon	Polish intel.	PSK	(AB)
P03	21-4	1100	9371	Tue	Polish intel.	PSK	(AB)
P03	21-4	1105	9371	Tue	Polish intel.	PSK	(AB)
P03	21-4	1725	13873	Tue	Polish intel.	PSK	(AB)
P03	21-4	1730	13873	Tue	Polish intel.	PSK	(AB)
P03	22-4	0950	12153	Wed	Polish intel.	PSK	(AB)
P03	22-4	0955	12153	Wed	Polish intel.	PSK	(AB)
P03	22-4	1100	9371	Wed	Polish intel.	PSK	(AB)
P03	22-4	1105	9371	Wed	Polish intel.	PSK	(AB)

P03	22-4	1310	10213	Wed	Polish intel.	PSK	(AB)
P03	22-4	1315	10213	Wed	Polish intel.	PSK	(AB)
P03	23-4	1950	7749	Thu	Polish intel.	PSK	(AB)
P03	23-4	1955	7749	Thu	Polish intel.	PSK	(AB)
P03	24-4	0530	5176	Fri	Polish intel.	PSK	(AB)
P03	24-4	0535	5176	Fri	Polish intel.	PSK	(AB)
P03	24-4	1100	7850	Fri	Polish intel.	PSK	(AB)
P03	24-4	1100	7850	Fri	Polish intel.	PSK	(AB)
P03	24-4	1515	18405	Fri	Polish intel.	PSK	(AB)
P03	24-4	1520	18405	Fri	Polish intel.	PSK	(AB)
P03	25-4	1020	6849	Sat	Polish intel.	PSK	(AB)
P03	25-4	1025	6849	Sat	Polish intel.	PSK	(AB)
P03	25-4	1245	5176	Sat	Polish intel.	PSK	(AB)
P03	25-4	1250	5176	Sat	Polish intel.	PSK	(AB)
P03	25-4	1310	10213	Sat	Polish intel.	PSK	(AB)
P03	25-4	1315	10213	Sat	Polish intel.	PSK	(AB)
P03	25-4	1725	13873	Sat	Polish intel.	PSK	(AB)
P03	26-4	0530	5176	Sun	Polish intel.	PSK	(AB)
P03	26-4	0535	5176	Sun	Polish intel.	PSK	(AB)
P03	26-4	1020	6849	Sun	Polish intel.	PSK	(AB)
P03	26-4	1025	6849	Sun	Polish intel.	PSK	(AB)
P03	26-4	1100	7850	Sun	Polish intel.	PSK	(AB)
P03	26-4	1100	7850	Sun	Polish intel.	PSK	(AB)
P03	26-4	1220	20167	Sun	Polish intel.	PSK	(AB)
P03	26-4	1225	20167	Sun	Polish intel.	PSK	(AB)
P03	26-4	1245	5176	Sun	Polish intel.	PSK	(AB)
P03	26-4	1250	5176	Sun	Polish intel.	PSK	(AB)
P03	26-4	1515	18405	Sun	Polish intel.	PSK	(AB)
P03	26-4	1520	18405	Sun	Polish intel.	PSK	(AB)
P03	26-4	1730	13873	Sun	Polish intel.	PSK	(AB)
P03	26-4	1950	7749	Sun	Polish intel.	PSK	(AB)
P03	26-4	1955	7749	Sun	Polish intel.	PSK	(AB)
P03	27-4	0950	12153	Mon	Polish intel.	PSK	(AB)
P03	27-4	0955	12153	Mon	Polish intel.	PSK	(AB)
P03	27-4	1220	20167	Mon	Polish intel.	PSK	(AB)
P03	27-4	1225	20167	Mon	Polish intel.	PSK	(AB)
P03	28-4	1100	9371	Tue	Polish intel.	PSK	(AB)
P03	28-4	1105	9371	Tue	Polish intel.	PSK	(AB)
P03	28-4	1725	13873	Tue	Polish intel.	PSK	(AB)
P03	28-4	1730	13873	Tue	Polish intel.	PSK	(AB)
P03	29-4	0950	12153	Wed	Polish intel.	PSK	(AB)
P03	29-4	0955	12153	Wed	Polish intel.	PSK	(AB)

P03	29-4	1100	9371	Wed	Polish intel.	PSK	(AB)
P03	29-4	1105	9371	Wed	Polish intel.	PSK	(AB)
P03	29-4	1310	10213	Wed	Polish intel.	PSK	(AB)
P03	29-4	1315	10213	Wed	Polish intel.	PSK	(AB)
P03	30-4	1950	7749	Thu	Polish intel.	PSK	(AB)
P03	30-4	1955	7749	Thu	Polish intel.	PSK	(AB)
P03g	2-4	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	2-4	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7-4	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7-4	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	9-4	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	9-4	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	14-4	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	14-4	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-4	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	16-4	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	21-4	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	21-4	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	23-4	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	23-4	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	28-4	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	28-4	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-4	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-4	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03i	2-4	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	2-4	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	14-4	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	14-4	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	16-4	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	16-4	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	23-4	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	23-4	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	28-4	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	28-4	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03k	1-4	1730	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-4	1735	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-4	0630	9168	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-4	0635	9168	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-4	1230	19515	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-4	1235	19515	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-4	1730	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-4	1735	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	5-4	0630	9168	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-4	0635	9168	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-4	1230	19515	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-4	1235	19515	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-4	1730	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-4	1735	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-4	0630	9168	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-4	0635	9168	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-4	1230	19515	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-4	1235	19515	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-4	1730	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-4	1735	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-4	0630	9168	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-4	0635	9168	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-4	1230	19515	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-4	1235	19515	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-4	1730	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-4	1735	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-4	0630	9168	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-4	0635	9168	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-4	1230	19515	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-4	1235	19515	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-4	1730	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-4	1735	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-4	0630	9168	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-4	0635	9168	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-4	1230	19515	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-4	1235	19515	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-4	1730	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-4	1735	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-4	0630	9168	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-4	0635	9168	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-4	1230	19515	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-4	1235	19515	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-4	1730	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-4	1735	7772	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-4	0630	9168	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-4	0635	9168	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-4	1230	19515	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	28-4	1235	19515	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-4	1730	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-4	1735	7772	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)

P03I	1-4	1345	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	1-4	1350	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	2-4	1200	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	2-4	1205	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	3-4	1345	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	3-4	1350	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-4	1200	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	6-4	1205	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-4	1345	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	8-4	1350	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-4	1200	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-4	1205	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-4	1345	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-4	1350	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-4	1200	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	13-4	1205	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-4	1345	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	15-4	1350	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-4	1200	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-4	1205	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-4	1345	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-4	1350	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-4	1200	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-4	1205	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-4	1345	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	22-4	1350	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-4	1200	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-4	1205	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-4	1345	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-4	1350	14410	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-4	1200	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-4	1205	9079	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-4	1345	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	29-4	1350	14410	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-4	1200	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-4	1205	9079	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	1-4	1400	10446	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-4	1410	9379	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-4	1420	9109	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-4	1430	8166	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-4	1440	7718	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	1-4	1450	6969	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	29-4	1400	10446	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-4	1410	9379	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-4	1420	9109	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-4	1430	8166	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-4	1440	7718	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-4	1450	6969	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	1-4	2300	8001.75	Wed	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	1-4	2301	12762.75	Wed	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	1-4	2318	9392	Wed	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	1-4	2343	9042	Wed	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	2-4	1000	5394.75	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	2-4	1000	12762.75	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	2-4	1135	4542	Thu	Message //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	2-4	1135	6876	Thu	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	2-4	1143	4156	Thu	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	2-4	1143	6352	Thu	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	2-4	1143	9042	Thu	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	2-4	1500	5394.75	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	10-4	1133	6876	Fri	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	10-4	1149	9042	Fri	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	10-4	1210	3167.10	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	10-4	1300	5394.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	10-4	1300	8001.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	10-4	1700	5394.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	10-4	1700	8001.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	11-4	1207	6875.75	Sat	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	11-4	1500	5394.75	Sat	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	11-4	1509	3509.25	Sat	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	11-4	1700	5394.75	Sat	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	11-4	1900	5394.75	Sat	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	11-4	1900	8001.75	Sat	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	12-4	1100	8001.75	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	12-4	1100	12762.75	Sun	Message. Note: 5394.75 was up at the same time, but was using unknown digital node.	4+4 QPSK 75/1000 LSB	(JPL)
Q26	12-4	1120	3193.75	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	12-4	1133	6876	Sun	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	12-4	1143	9042	Sun	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	12-4	1206	4322.25	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	12-4	1500	8001.75	Sun	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	13-4	1206	4156	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	13-4	1300	5394.75	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	13-4	1300	8001.75	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)

Q26	13-4	1300	12762.75	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	13-4	1450	5394.75	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	13-4	1450	8001.75	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	13-4	1450	12762.75	Mon	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	13-4	1500	5394.75	Mon	ZAOE ZZCKFFAOE ZAOE C (off freq, garbled message)	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-4	1100	5394.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-4	1100	12762.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-4	1106	3193.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-4	1108	3193.75	Tue	XYXYXYXYXY CUT3 CUT3 CUT3 DE 8EXQ 8EXQ 8EXQ OK BOZ KP /+5	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-4	1133	6876	Tue	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-4	1144	9042	Tue	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-4	1300	5394.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-4	1300	12762.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-4	1700	5394.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-4	1700	8001.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	14-4	2300	12762.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	16-4	1300	5394.75	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-4	1030	5751.65	Fri	Message: OUTD OUTD NUMA NU ...	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-4	1100	5394.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-4	1100	12762.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-4	1133	4542	Fri	Message. Did not into M95 //6876 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-4	1133	6876	Fri	Message. Did not into M95 //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-4	1144	9042	Fri	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-4	1300	5394.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-4	1500	5394.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-4	1500	8001.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	17-4	1900	5394.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	21-4	1100	8001.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	21-4	1100	12762.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	21-4	1130	5148.25	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	21-4	1136	6876	Tue	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	21-4	1147	9042	Tue	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-4	1500	8001.75	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-4	1700	5394.75	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-4	1700	8001.75	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-4	2300	5394.75	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-4	2300	8001.75	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-4	2300	12762.75	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-4	2315	9392	Thu	Message //9392 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	23-4	2340	9042	Thu	Message //6352 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-4	1119	6203	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-4	1130	6203	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)

Q26	24-4	1138	6876	Fri	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-4	1144	9042	Fri	Message //9042, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-4	1300	5394.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-4	1300	8001.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-4	1300	12762.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-4	1500	5394.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-4	1500	8001.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-4	1700	5394.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	24-4	1700	8001.75	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-4	1100	5394.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-4	1100	8001.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-4	1100	12762.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-4	1119	8001.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-4	1119	12762.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-4	1133	6876	Tue	Message //4542 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-4	1143	9042	Tue	Message //9052, 6352, 4156 kHz	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-4	1205	3181.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-4	1241	6329	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-4	1300	5394.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	28-4	1300	8001.75	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	29-4	1700	5394.75	Wed	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	29-4	1700	8001.75	Wed	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	29-4	1715	5887.75	Wed	497 91 59 0430 0100 GKN9---BZZZ 8210 7777 8253 ... Operator chat in Chinese between and after the messages. After Q26 they switched to an unid PSK mode and spoken messages	4+4 QPSK 75/1000 LSB	(JPL)
Q26	29-4	1900	5394.75	Wed	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	29-4	1900	8001.75	Wed	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	30-4	1500	5394.75	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	30-4	1500	8001.75	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26 4+4	22-4	0900	14895	Wed	TFQ6 TFQ6 TFQ6 DE LOBR LOBR LOBR XYXYXYXYXY CCK /	QPSK 75/1000 LSB	(EW)
S06	1-4	0400	11616	Wed	480 216 35 21697 61512 90386 ... 55173 18042 80485 216 35 480 359 24 05988 11217 39439 ... 47631 04466 32052 359 24 00000	USB	(Subilo)
S06	1-4	0420	9322	Wed	480 216 35 21697 61512 90386 ... 55173 18042 80485 216 35 480 359 24 05988 11217 39439 ... 47631 04466 32052 359 24 00000	USB	(Subilo)
S06	1-4	1230	14360	Wed	Active	USB	(FD)
S06	1-4	1300	13517	Wed	Active	USB	(FD)
S06	1-4	1730	9116	Wed	480 752 41 29406 17127 12173 ... 21402 36436 16920 752 41 00000	USB	(Subilo)
S06	1-4	1800	7362	Wed	Active	USB	(FD)
S06	2-4	0400	11616	Thu	480 216 35 21697 61512 90386 ... 55173 18042 80485 216 35 480 359 24 05988 11217 39439 ... 47631 04466 32052 359 24 00000	USB	(Subilo)

S06	2-4	0420	9322	Thu	480 216 35 21697 61512 90386 ... 55173 18042 80485 216 35 480 359 24 05988 11217 39439 ... 47631 04466 32052 359 24 00000	USB	(Subilo)
S06	2-4	1340	10755	Thu	975 813 60 86107 80179 80348 ... 56636 58611 30586 813 60 00000	USB	(PY)
S06	3-4	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	3-4	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	3-4	1900	9925	Fri	842 842 842 00000	USB	(AB)
S06	3-4	2000	7505	Fri	842 842 842 00000	USB	(AB)
S06	4-4	1210	11074	Sat	352 476 59 48672 20541 44810 ... 01733 28486 66675 476 59 00000	USB	(PY)
S06	7-4	0920	10750	Tue	975 132 60 73355 51031 67866 ... 34915 75172 00281 132 60 00000	USB	(PY)
S06	7-4	1410	11073	Tue	352 794 60 22065 79027 78892 ... 20454 21984 51282 794 60 00000	USB	(PY)
S06	8-4	0400	11616	Wed	480 371 26 58901 41424 72567 ... 87697 93595 21134 371 26 480 259 34 25450 91890 13195 ... 77883 15196 96125 289 34 00000	USB	(Subilo)
S06	8-4	0420	9322	Wed	480 371 26 58901 41424 72567 ... 87697 93595 21134 371 26 480 259 34 25450 91890 13195 ... 77883 15196 96125 289 34 00000	USB	(Subilo)
S06	8-4	1230	14360	Wed	480 256 44 48978 50926 06476 ... 98156 70484 65627 256 44 00000	USB	(PY)
S06	8-4	1300	13517	Wed	480 256 44 48978 50926 06476 ... 98156 70484 65627 256 44 00000	USB	(PY)
S06	8-4	1730	9116	Wed	480 256 44 48978 50926 06476 ... 98156 70484 65627 256 44 00000	USB	(AB/Lac)
S06	8-4	1800	7362	Wed	480 256 44 48978 50926 06476 ... 98156 70484 65627 256 44 00000	USB	(AB/Lac)
S06	9-4	0400	11616	Thu	480 371 26 58901 41424 72567 ... 87697 93595 21134 371 26 480 259 34 25450 91890 13195 ... 77883 15196 96125 289 34 00000	USB	(Subilo)
S06	9-4	0420	9322	Thu	480 371 26 58901 41424 72567 ... 87697 93595 21134 371 26 480 259 34 25450 91890 13195 ... 77883 15196 96125 289 34 00000	USB	(Subilo)
S06	10-4	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	10-4	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	13-4	0400	11616	Mon	480 962 51 81183 33246 24276 ... 88816 12092 39474 962 31 00000	USB	(Subilo)
S06	13-4	0420	9322	Mon	480 962 51 81183 33246 24276 ... 88816 12092 39474 962 31 00000	USB	(Subilo)
S06	14-4	0400	11616	Tue	480 962 51 81183 33246 24276 ... 88816 12092 39474 962 31 00000	USB	(Subilo)
S06	14-4	0420	9322	Tue	480 962 51 81183 33246 24276 ... 88816 12092 39474 962 31 00000	USB	(Subilo)
S06	15-4	0400	11616	Wed	480 271 36 01483 37490 78586 ... 33823 72815 93376 271 36 480 369 24 30207 41111 03850 ... 82293 08163 91072 369 24 00000	USB	(Subilo)
S06	15-4	0420	9322	Wed	480 271 36 01483 37490 78586 ... 33823 72815 93376 271 36 480 369 24 30207 41111 03850 ... 82293 08163 91072 369 24 00000	USB	(Subilo)
S06	15-4	1230	14360	Wed	480 125 46 24052 64838 82549 ... 59603 58352 90648 125 46 00000	USB	(PY)
S06	15-4	1300	13517	Wed	480 125 46 24052 64838 82549 ... 59603 58352 90648 125 46 00000	USB	(PY)
S06	15-4	1730	9116	Wed	480 125 46 24052 64838 82549 ... 59603 58352 90648 125 46 00000	USB	(AB/PY)
S06	15-4	1800	7362	Wed	480 125 46 24052 64838 82549 ... 59603 58352 90648 125 46 00000	USB	(AB/PY)
S06	16-4	0400	11616	Thu	480 271 36 01483 37490 78586 ... 33823 72815 93376 271 36 480 369 24 30207 41111 03850 ... 82293 08163 91072 369 24 00000	USB	(Subilo)
S06	16-4	0420	9322	Thu	480 271 36 01483 37490 78586 ... 33823 72815 93376 271 36 480 369 24 30207 41111 03850 ... 82293 08163 91072 369 24 00000	USB	(Subilo)
S06	17-4	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	17-4	0420	9322	Fri	480 480 480 00000	USB	(Subilo)

S06	17-4	1900	9925	Fri	842 842 842 00000	USB	(AB)
S06	17-4	2000	7510	Fri	842 842 842 00000	USB	(AB)
S06	20-4	0400	11616	Mon	480 125 60 03953 77643 58848 ... 97785 98229 12739 125 60 00000	USB	(Subilo)
S06	20-4	0420	9322	Mon	480 125 60 03953 77643 58848 ... 97785 98229 12739 125 60 00000	USB	(Subilo)
S06	21-4	0400	11616	Tue	480 125 60 03953 77643 58848 ... 97785 98229 12739 125 60 00000	USB	(Subilo)
S06	21-4	0420	9322	Tue	480 125 60 03953 77643 58848 ... 97785 98229 12739 125 60 00000	USB	(Subilo)
S06	22-4	0400	11616	Wed	480 763 29 13022 82356 35155 ... 83458 17453 37103 763 29 480 912 30 42817 99596 59360 ... 92686 75960 30237 912 30 00000	USB	(Subilo)
S06	22-4	0420	9322	Wed	480 763 29 13022 82356 35155 ... 83458 17453 37103 763 29 480 912 30 42817 99596 59360 ... 92686 75960 30237 912 30 00000	USB	(Subilo)
S06	22-4	1230	14360	Wed	480 135 42 85912 47329 07169 ... 18285 04824 67509 135 42 00000	USB	(AB/Lac)
S06	22-4	1300	13517	Wed	480 135 42 85912 47329 07169 ... 18285 04824 67509 135 42 00000	USB	(AB/Lac)
S06	22-4	1730	9116	Wed	480 135 42 85912 47329 07169 ... 18285 04824 67509 135 42 00000	USB	(AB/PY/Lac)
S06	22-4	1800	7362	Wed	480 135 42 85912 47329 07169 ... 18285 04824 67509 135 42 00000	USB	(AB/PY/Lac)
S06	23-4	0400	11616	Thu	480 763 29 13022 82356 35155 ... 83458 17453 37103 763 29 480 912 30 42817 99596 59360 ... 92686 75960 30237 912 30 00000	USB	(Subilo)
S06	23-4	0420	9322	Thu	480 763 29 13022 82356 35155 ... 83458 17453 37103 763 29 480 912 30 42817 99596 59360 ... 92686 75960 30237 912 30 00000	USB	(Subilo)
S06	24-4	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	24-4	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	27-4	0400	11616	Mon	480 573 60 30826 07033 24360 ... 92684 46348 16869 573 60 00000	USB	(Subilo)
S06	27-4	0420	9322	Mon	480 573 60 30826 07033 24360 ... 92684 46348 16869 573 60 00000	USB	(Subilo)
S06	28-4	0400	11616	Tue	480 573 60 30826 07033 24360 ... 92684 46348 16869 573 60 00000	USB	(Subilo)
S06	28-4	0420	9322	Tue	480 573 60 30826 07033 24360 ... 92684 46348 16869 573 60 00000	USB	(Subilo)
S06	29-4	0400	11616	Wed	480 357 21 34882 84600 59072 ... 76877 15078 84413 357 21 480 692 30 81402 15327 56072 ... 17466 34584 45781 692 30 00000	USB	(Subilo)
S06	29-4	0420	9322	Wed	480 357 21 34882 84600 59072 ... 76877 15078 84413 357 21 480 692 30 81402 15327 56072 ... 17466 34584 45781 692 30 00000	USB	(Subilo)
S06	29-4	1230	14360	Wed	480 153 47 39537 96703 51868 ... 38676 34547 46709 153 47 00000	USB	(AB/Lac)
S06	29-4	1300	13517	Wed	480 153 47 39537 96703 51868 ... 38676 34547 46709 153 47 00000	USB	(AB/Lac)
S06	29-4	1730	9116	Wed	480 153 47 39537 96703 51868 ... 38676 34547 46709 153 47 00000	USB	(AB/PY/Lac)
S06	29-4	1800	7362	Wed	480 153 47 39537 96703 51868 ... 38676 34547 46709 153 47 00000	USB	(AB/PY/Lac)
S06	30-4	0400	11616	Thu	480 357 21 34882 84600 59072 ... 76877 15078 84413 357 21 480 692 30 81402 15327 56072 ... 17466 34584 45781 692 30 00000	USB	(Subilo)
S06	30-4	0420	9322	Thu	480 357 21 34882 84600 59072 ... 76877 15078 84413 357 21 480 692 30 81402 15327 56072 ... 17466 34584 45781 692 30 00000	USB	(Subilo)
S06g	7-4	0820	9463	Tue	801 46351 957 34 91961 65587 88894 ... 04220 78943 66751 957 34 00000	USB	(PY)
S06g	8-4	1230	9463	Wed	801 71968 325 40 93058 01181 74850 ... 51975 59856 22013 325 40 00000	USB	(PY)
S06g	9-4	2015	10755	Thu	975 13579 614 38 63622 89119 33721 ... 94761 96452 74851 614 38 00000	USB	(PY)
S11a	1-4	0510	23004	Wed	651/00 Konets	USB	(AB-POL)
S11a	1-4	1850	10213	Wed	287/00 Konets	USB	(AB/Lac)
S11a	2-4	0445	10728	Thu	798/30 Vnmaniye (too weak to copy)	USB	(AB)

S11a	2-4	0700	8597	Thu	470/00 Konets	USB	(AB)
S11a	3-4	1040	6480	Fri	482/00 Konets	USB	(AB)
S11a	3-4	1400	11420	Fri	420/00 Konets	USB	(AB)
S11a	4-4	0830	6433	Sat	371/00 Konets	USB	(AB)
S11a	5-4	0830	6433	Sun	379/00 Konets	USB	(AB)
S11a	6-4	0510	23004	Mon	Unreadable	USB	(AB-POL)
S11a	6-4	0700	8597	Mon	479/00 Konets	USB	(AB)
S11a	6-4	0915	6480	Mon	485/00 Konets	USB	(AB/Lac)
S11a	7-4	1400	11420	Tue	425/00 Konets	USB	(AB)
S11a	8-4	0510	23004	Wed	652/00 Konets	USB	(AB-POL)
S11a	8-4	1850	10213	Wed	288/30 Vnimanije 09429 72421 39174 ... 39715 87839 90248 Vnimanije (message repeated) Konets	USB	(AB)
S11a	9-4	0700	8597	Thu	479/00 Out	USB	(AB)
S11a	10-4	1040	6480	Fri	484/00 Konets	USB	(AB)
S11a	10-4	1400	11420	Fri	420/00 Konets	USB	(AB)
S11a	11-4	0830	6433	Sat	373/00 Konets	USB	(AB)
S11a	11-4	1850	10213	Sat	288/30 Vnimanije 09429 72421 39174 ... 39715 87839 90248 Vnimanije (message repeated) Konets	USB	(AB)
S11a	12-4	0830	6433	Sun	371/00 Konets	USB	(AB)
S11a	13-4	0510	23004	Mon	654/00 Konets	USB	(AB-POL)
S11a	13-4	0700	8597	Mon	472/00 Konets	USB	(AB/Lac)
S11a	13-4	0915	6480	Mon	484/00 Konets	USB	(AB/Lac)
S11a	14-4	0445	10728	Tue	791/00 Konets	USB	(AB)
S11a	14-4	1400	11420	Tue	424/00 Konets	USB	(AB/Lac)
S11a	15-4	0510	23004	Wed	655/00 Konets	USB	(AB-POL)
S11a	15-4	1850	10213	Wed	285/00 Konets	USB	(AB)
S11a	16-4	0445	10728	Thu	790/00 Konets	USB	(AB)
S11a	16-4	0700	8597	Thu	478/00 Out	USB	(AB/Lac)
S11a	17-4	1040	6480	Fri	487/00 Konets	USB	(AB)
S11a	17-4	1400	11420	Fri	421/00 Konets	USB	(AB)
S11a	18-4	0830	6433	Sat	377/00 Konets	USB	(AB)
S11a	18-4	1850	10213	Sat	288/00 Konets	USB	(AB)
S11a	19-4	0830	6433	Sun	378/00 Konets	USB	(AB)
S11a	20-4	0700	8597	Mon	476/00 Konets	USB	(AB/Lac)
S11a	20-4	0915	6480	Mon	482/00 Konets	USB	(AB/Lac)
S11a	21-4	0445	10728	Tue	793/40 Vnimanije 92659 69681 91203 ... 47538 50578 77104 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	21-4	1400	11420	Tue	425/38 Vnimanije 55971 19735 04870 ... 20755 57674 74396 Vnimanije (message repeated) Konets	USB	(AB/Lac)
S11a	22-4	0510	23004	Wed	640/00 Konets	USB	(AB-POL)
S11a	22-4	1850	10213	Wed	285/00 Konets	USB	(AB/Lac)
S11a	23-4	0445	10728	Thu	793/40 Vnimanije 92659 69681 91203 ... 47538 50578 77104 Vnimanije (message	USB	(AB)

					repeated) Konets		
S11a	23-4	0700	8597	Thu	476/00 konets	USB	(AB/Lac)
S11a	24-4	1040	6480	Fri	487/00 Konets	USB	(AB/Lac)
S11a	24-4	1400	11420	Fri	425/38 Vnmaniye 55971 19735 04870 ... 20755 57674 74396 Vnmaniye (message repeated) Konets	USB	(AB/Lac)
S11a	25-4	0830	6433	Sat	371/32 Vnmaniye 03760 10134 95444 ... 73129 36805 94150 Vnmaniye (message repeated) Konets	USB	(AB/Lac)
S11a	25-4	1850	10213	Sat	285/00 Konets	USB	(AB/Lac)
S11a	26-4	0830	6433	Sun	371/32 Vnmaniye 03760 10134 95444 ... 73129 36805 94150 Vnmaniye (message repeated) Konets	USB	(AB/Lac)
S11a	27-4	0510	23004	Mon	657/38 Vnmaniye 43192 88103 18211 ... 55279 20711 58702 Vnmaniye (message repeated) Konets	USB	(AB-POL)
S11a	27-4	0700	8597	Mon	479/39 Vnmaniye 58739 03652 69695 ... 77125 71048 66000 Vnmaniye (message repeated) Konets	USB	(AB/Lac)
S11a	27-4	0915	6480	Mon	480/37 Vnmaniye 59102 10010 39136 ... 54116 64039 86950 Vnmaniye (message repeated) Konets	USB	(AB/Lac)
S11a	28-4	0445	10728	Tue	793/00 Konets	USB	(AB-POL)
S11a	28-4	1400	11420	Tue	425/00 Konets	USB	(AB/Lac)
S11a	29-4	0510	23004	Wed	657/38 Vnmaniye 43192 88103 18211 ... 55279 20711 58702 Vnmaniye (message repeated) Konets	USB	(AB-POL)
S11a	29-4	1850	10213	Wed	282/00 Konets	USB	(AB/Lac)
S11a	30-4	0445	10728	Thu	79?/00 (strong radar interference)	USB	(AB)
S11a	30-4	0700	8597	Thu	475/00 Out	USB	(AB/Lac)
TUN	13-4	0600	18295	Mon	STAT16: Tuniasian embassy Riyadh clg STAT155 MFA Tunis	MIL-STD 188-141A	(PHP)
TUN	13-4	0608	16285	Mon	STAT16: Tuniasian embassy Riyadh clg STAT155: MFA Tunis	MIL-STD 188-141A	(PHP)
UM04	2-4	0700	4735	Thu	VVV VVV PROMRCh = 02 04 = 1000 0820 0900 1010 1440 ... 0800 0660 0700 0850 1250 = AR	CW	(Subilo)
UM04	3-4	0700	4735	Fri	VVV VVV PROMRCh = 03 04 = 1000 0810 0850 1000 1430 ... 0800 0660 0700 0850 1250 = AR	CW	(Subilo)
UM04	4-4	0700	4735	Sat	VVV VVV PROMRCh = 04 04 = 1000 0820 0860 1010 1440 ... 0800 0670 0710 0860 1260 = AR	CW	(AB)
UM04	5-4	0659	4735	Sun	VVV VVV PROMRCh = 05 04 = 1000 0820 0860 1000 1440 ... 0800 0660 0710 0850 1250 = AR	CW	(AB)
UM04	6-4	0700	4735	Mon	VVV VVV PROMRCh = 06 04 = 1000 0810 0850 1000 1420 ... 0800 0660 0700 0850 1240 = AR	CW	(AB-HNG)
UM04	7-4	0700	4735	Tue	VVV VVV PROMRCh = 07 04 = 1000 0810 0850 1000 1420 ... 0800 0660 0700 0850 1240 = AR	CW	(AB-GRC)
UM04	8-4	0700	4735	Wed	VVV VVV PROMRCh = 08 04 (16s silence) 1200 0960 0990 1130 1570 ...0800 0660 0700 0840 1230 = AR	CW	(Subilo)
UM04	9-4	0700	4735	Thu	VVV VVV PROMRCh = 09 04 = 1000 0810 0850 0990 1400 ... 0800 0660 0700 0840 1230 = AR	CW	(Subilo)
UM04	10-4	0700	4735	Fri	VVV VVV PROMRCh = 10 04 = 1000 0800 0840 0980 1390 ... 0800 0650 0690 0830 1210 = AR	CW	(AB-GRC)
UM04	11-4	0700	4735	Sat	VVV VVV PROMRCh = 11 04 = 1000 0790 0830 0970 1380 ... 0800 0650 0690 0830 1210 = AR	CW	(AB)
UM04	12-4	0659	4735	Sun	VVV VVV PROMRCh = 12 04 = 1000 0790 0830 0970 1370 ... 0800 0650 0690 0820 1210 = AR	CW	(AB-HBG)
UM04	13-4	0700	4735	Mon	VVV VVV PRONRCh = 13 04 = 1000 0790 0830 0970 1370 ... 0800 0650 0690 0820 1200 = AR	CW	(AB-HNG)
UM04	14-4	0700	4735	Tue	VVV VVV PROMRCh = 14 04 = 1000 0790 0830 0970 1370 ... 0800 0650 0690 0820 1200 = AR	CW	(AB-GRC)
UM04	15-4	0659	4735	Wed	VVV VVV PROMRCh = 15 04 = 1000 0790 0830 0960 1360 ... 0800 0650 0690 0820 1190 = AR	CW	(AB-HNG)
UM04	16-4	0700	4735	Thu	VVV VVV PROMRCh = 16 04 = 1000 0790 0820 0840 1350 ... 0400 0460 0470 0520 0 off	CW	(AB-HNG)
UM04	17-4	0700	4735	Fri	VVV VVV PROMRCh = 17 04 = 1000 0780 0810 0940 1330 ... 0800 0640 0680 0810 1170 = AR	CW	(AB-GRC)
UM04	18-4	0700	4735	Sat	VVV VVV PROMRCh = 18 04 = 1000 0770 0810 0930 1320 ... 0800 0630 0670 0800 1160 = AR	CW	(AB-HNG)

UM04	19-4	0700	4735	Sun	VVV VVV PROMRCh = 19 04 = 1000 0760 0790 0920 1300 ... 0800 0630 0670 0800 1160 = AR	CW	(AB-HBG)
UM04	20-4	0700	4735	Mon	VVV VVV PROMRCh = 20 04 = 1000 0750 0780 0910 1290 ... 0800 0620 0660 0780 1270 = AR	CW	(AB-HNG)
UM04	21-4	0703	4735	Tue	VVV VVV PROMRCh = 21 04 = 1000 0740 0770 0900 1270 ... 0800 0620 0650 0780 1130 = AR	CW	(AB-GRC)
UM04	22-4	0700	4735	Wed	First part unreadable VVV VVV PROMRCh = 22 04 = 1000 0730 0770 0890 1270 ... 0800 0610 0650 0770 1120 = AR	CW	(AB-HNG)
UM04	22-4	0700	4735	Wed	VVV VVV PROMRCh = 22 04 = 1000 0730 0770 0890 1270 ... 0800 0610 0650 0770 1120 = AR	CW	(Subilo)
UM04	23-4	0700	4735	Thu	VVV VVV PROMRCh = 23 04 = 1000 0720 0750 0880 1270 ... 0800 0600 0630 0760 1110 = AR	CW	(AB-HNG)
UM04	24-4	0659	4735	Fri	VVV VVV PROMRCh = 24 04 = 1000 0710 0750 0870 1280 ... 0800 0600 0630 0760 1110 = AR	CW	(AB-GRC)
UM04	25-4	0659	4735	Sat	VVV VVV PROMRCh = 25 04 = 1000 0720 0750 0880 1270 ... 0800 0600 0640 0760 1120 = AR	CW	(AB-HNG)
UM04	26-4	0700	4735	Sun	VVV VVV PROMRCh = 25 04 = 1000 0720 0670 0880 1280 ... 0800 0600 0640 0770 1120 = AR	CW	(AB-HNG)
UM04	27-4	0659	4735	Mon	VVV VVV PROMRCh = 27 04 = 1000 0720 0760 0880 1280 ... 0800 0600 0640 0770 1120 = AR	CW	(AB-HNG)
UM04	28-4	0700	4735	Tue	VVV VVV PROMRCh = 28 04 = 1000 0720 0760 0890 1280 ... 0800 0610 0640 0770 1130 = AR	CW	(Subilo)
UM04	29-4	0700	4735	Wed	VVV VVV PROMRCh = 29 04 = 1000 0730 0760 0890 1280 ... 0800 0610 0650 0780 1130 = AR	CW	(AB-HNG)
UM04	30-4	0700	4735	Thu	VVV VVV PROMRCh = 30 04 = 1000 0730 0770 0890 1280 ... 0800 0620 0650 0780 1140 = AR	CW	(AB-HNG)
UM10	2-4	0955	5860	Thu	MIBH (0955-005)	CW	(JPL)
UM10	2-4	1155	3525	Thu	QK4S (1155-1205)	CW	(JPL)
UM10	2-4	1155	4310	Thu	QK4S (1155-1205)	CW	(JPL)
UM10	2-4	1515	3280	Thu	HUU4 (1515-1525)	CW	(JPL)
UM10	2-4	1515	3780	Thu	HUU4 (1515-1525)	CW	(JPL)
UM10	2-4	1755	3525	Thu	QK4S (1755-1805)	CW	(JPL)
UM10	2-4	1755	4310	Thu	QK4S (1755-1805)	CW	(JPL)
UM10	10-4	1215	3280	Fri	HUU4 (1215-1225)	CW	(JPL)
UM10	10-4	1215	3780	Fri	HUU4 (1215-1225)	CW	(JPL)
UM10	10-4	1655	3525	Fri	QK4S (1655-1605)	CW	(JPL)
UM10	10-4	1655	4310	Fri	QK4S (1655-1605)	CW	(JPL)
UM10	10-4	1715	3280	Fri	HUU4 (1715-1725)	CW	(JPL)
UM10	10-4	1715	3780	Fri	HUU4 (1715-1725)	CW	(JPL)
UM10	12-4	1225	3525	Sun	QK4S (1225-1235)	CW	(JPL)
UM10	12-4	1225	4310	Sun	QK4S (1225-1235)	CW	(JPL)
UM10	14-4	2225	7380	Tue	MIBH (2225-2235)	CW	(JPL)
UM10	17-4	1045	5755	Fri	HUU4 (1045-1055)	CW	(JPL)
UM10	17-4	1225	5860	Fri	QK4S (1225-1235)	CW	(JPL)
UM10	17-4	1315	5755	Fri	HUU4 (1315-1325)	CW	(JPL)
UM10	21-4	1155	3525	Tue	QK4S (1155-1205)	CW	(JPL)
UM10	21-4	1155	4310	Tue	QK4S (1155-1205)	CW	(JPL)
UM10	23-4	1645	3280	Thu	HUU4 (1645-1655)	CW	(JPL)
UM10	23-4	1645	3780	Thu	HUU4 (1645-1655)	CW	(JPL)
UM10	24-4	1015	5755	Fri	NTQN (1015-1025)	CW	(JPL)
UM10	24-4	1015	6776	Fri	NTQN (1015-1025)	CW	(JPL)
UM10	29-4	1655	3525	Wed	QK4S (1655-1605)	CW	(JPL)
UM10	29-4	1655	4310	Wed	QK4S (1655-1605)	CW	(JPL)
UM10	30-4	1515	3280	Thu	HUU4 (1515-1525)	CW	(JPL)

UM10	30-4	1515	3780	Thu	HUU4 (1515-1525)	CW	(JPL)
USA	1-4	0759	20810.6	Wed	KWR98: Unid US embassy [CMD AMD: "^: P,-^05R9679E9"!097-0"]	Mil-SOD-188-141A	(Hiram)
USA	1-4	1113	11168.6	Wed	KWA37: KWA37: US Permanent Mission to Ohe UN, Geneva clg KW091: US embassy Berlin [CMD AMD: "^: '7E'96YE=F\$@9&];F<@<:6\@8V"]	Mil-SOD-188-141A	(Hiram)
USA	1-4	1340	06902.6	Wed	KWS90: US embassy Budapest sounding	Mil-SOD-188-141A	(Hiram)
USA	1-4	1341	05748.6	Wed	KWS90: US embassy Budapest clg KWS91: US embassy Ljubljana	Mil-SOD-188-141A	(Hiram)
V07	5-4	0200	17431	Sun	414 414 414 1 8004 103 8004 103 32685 43871 44932 08471 51405 (too weak to copy)	USB	(Dan)
V07	12-4	0240	14431	Sun	414 414 414 1 2282 125 2282 125 48620 03863 41338 ... 19952 72312 83158 000 000	USB	(Dan)
V07	19-4	0240	14431	Sun	414 414 414 1 4817 60 4717 60 67293 99879 56470 ... 12527 79638 04053 000 000	USB	(Dan)
V07	26-4	0200	17431	Sun	414 414 414 1 2233 87 2233 87 20262 14931 63684 09871 91736 (too weak to copy)	USB	(Dan)
V13	5-4	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 1282, 7906, 8842	USB	(FSpy)
V13	5-4	0029	18040	Sun	New Star Broadcasting. Station 4. Messages to units 1123, 4253, 8851	USB	(FSpy)
V13	5-4	0100	21000	Sun	New Star Broadcasting. Station 1. Messages to units 4038, 6145, 7200	USB	(FSpy)
V13	5-4	0230	16050	Sun	New Star Broadcasting. Station 5. Messages to units 1407, 2971, 4700	USB	(FSpy)
V13	5-4	0300	9276	Sun	New Star Broadcasting. Station 2. Messages to units 0156, 0900, 6753	USB	(FSpy)
V13	12-4	0030	15890	Sun	New Star Broadcasting. Station 3. Messages to units 1709, 8005, 9399	USB	(FSpy)
V13	12-4	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 1592, 5409, 7180	USB	(FSpy)
V13	22-4	0030	15890	Wed	New Star Broadcasting. Station 3. Messages to units 4462, 8315, 8812	USB	(FSpy)
V13	23-4	0030	18040	Thu	New Star Broadcasting. Station 4. Messages to units 0521, 3541, 7640	USB	(FSpy)
V13	30-4	0000	15890	Thu	New Star Broadcasting. Station 3. Messages to units 0143, 8718, 9703	USB	(FSpy)
V26	12-4	1140	9042	Sun	Callup in Chinese voice //9042, 6352, 4156 kHz	USB	(JPL)
V26	23-4	2311	9392	Thu	Voice traffic in Chinese. Female operator //9392 kHz	USB	(JPL)
V26	28-4	1130	6876	Tue	Voice traffic in Chinese. Male operator //4542 kHz	USB	(JPL)
V28	2-4	2204	5511.2	Thu	Parrot	USB	(HK)
V28	3-4	1002	5510	Fri	Parrot. Female operator	USB	(HK)
V28	3-4	1004	5215	Fri	Parrot. Male operator	USB	(HK)
V28	3-4	1035	5510	Fri	Parrot. Test? Off at 1040z	USB	(HK)
V28	4-4	1005	3005	Sat	Parrot. Female operator	USB	(HK)
V28	4-4	1005	5252	Sat	Parrot. Female operator	USB	(HK)
V28	4-4	1005	5490	Sat	Parrot. Female operator	USB	(HK)
V28	5-4	1000	3005	Sun	Parrot	USB	(HK)
V28	5-4	1000	3042	Sun	Parrot	USB	(HK)
V28	5-4	1000	5490	Sun	Parrot	USB	(HK)
V28	6-4	2202	5005	Mon	Parrot	USB	(HK)
V28	6-4	2202	5491	Mon	Parrot	USB	(HK)
V32	9-4	0200	7910	Thu	Messages in Farsi (very weak)	USB	(PY)
V32	14-4	0303	7910	Tue	Messages in Farsi	USB	(AB)
V32	15-4	0238	7910	Wed	Message in Farsi (faint signal)	USB	(AB)
V32	16-4	0200	7910	Thu	Messages in Farsi (very weak)	USB	(AB)
V32	17-4	0255	7910	Fri	Messages in Farsi (weak and QRM)	USB	(AB)
V32	19-4	0200	7910	Sun	Messages in Farsi (very weak)	USB	(AB)

V32	21-4	0214	7910	Tue	Messages in Farsi	USB	(AB)
X--	14-4	1506	13392	Tue	Russian intel.	MFSK-12/MFSK-13	(AB)
X06	1-4	0822	14631	Wed	MFA Moscow clg 362154: Russian embassy Athens	MFSK-6	(AB)
X06	1-4	1113	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(Moon)
X06	1-4	1223	18245	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(AB)
X06	3-4	0815	13556	Fri	MFA Moscow clg 324615: Russian embassy Madrid	MFSK-6	(AB)
X06	3-4	1317	14720	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(AB)
X06	5-4	0650	13481	Sun	MFA Moscow clg 452163: Russian embassy Kabul	MFSK-6	(RO)
X06	6-4	1513	14812	Mon	MFA Moscow clg 246531: Russian embassy Accra	MFSK-6	(AB)
X06	6-4	1513	14812	Mon	Accra "246531"	MFSK-6	(Rycat)
X06	7-4	0746	15989	Tue	MFA Moscow clg 125643: Russian embassy Ulaanbataar	MFSK-6	(RO)
X06	7-4	0851	16188	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	9-4	0812	16153	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(RO)
X06	12-4	0915	15710	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
X06	13-4	0805	14871	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(AB)
X06	13-4	0931	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB)
X06	13-4	1347	10550	Mon	Traffic	F1B	(Rycat)
X06	14-4	1146	11025	Tue	MFA Moscow clg 612534: Russian embassy Ashgabat	MFSK-6	(Moon)
X06	15-4	1119	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(Moon)
X06	15-4	1229	16103	Wed	Abuja 231654 PSK-2400 and OFDM-121(122) followed	MFSK-6	(Rycat)
X06	15-4	1544	13548	Wed	214356 Moscow --> Amman (distorted)	MFSK-6	(Rycat)
X06	16-4	0921	16103	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(Moon)
X06	20-4	1532	17810	Mon	Lusaka "641523"	MFSK-6	(Rycat)
X06	21-4	0605	12200	Tue	Test: 111666	MFSK-6	(PHP)
X06	21-4	0846	13401	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(RO)
X06	22-4	0808	14812	Wed	MFA Moscow clg 263145: Russian embassy Prague	MFSK-6	(EW)
X06	22-4	0906	16116	Wed	134265	USB	(Lac)
X06	22-4	0906	16116	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(RO)
X06	22-4	1105	17430	Wed	F1B 500Hz shift breaks/modulation of the carrier at the end of the first 3 tones in t	MFSK-6	(Rycat)
X06	22-4	1113	9250	Wed	F1B 500 Hz shift breaks/modulation of the carrier at the end of the first 3 tones in	MFSK-6	(Rycat)
X06	26-4	1034	15810	Sun	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(RO)
X06	27-4	1215	14683	Mon	MFA Moscow clg 341265 Russian embassy New Dehli	MFSK-6	(PHP)
X06	27-4	1216	14683	Mon	New Delhi "364152"	MFSK-6	(Rycat)
X06	28-4	0805	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(Moon)
X06	30-4	1100	16221	Thu	MFA Moscow clg 341265: unid embassy	MFSK-6	(PHP)
X06b	13-4	1332	15750	Mon	111666	MFSK-6	(Rycat)
X06b	13-4	1347	10550	Mon	111666	MFSK-6	(Rycat)
X06b	13-4	1351	12345	Mon	111666	MFSK-6	(Rycat)
X06b	13-4	1405	14345	Mon	111666 with tx failures 144550 - 144612 (in 20m ham band)	MFSK-6	(Rycat)
X06b	13-4	1446	10345	Mon	111666 with tx issues at 144642	MFSK-6	(Rycat)
X06b	13-4	1447	10345	Mon	111666 with tx issues at 144725 and 144745	MFSK-6	(Rycat)
X06b	20-4	1114	11250	Mon	111666	MFSK-6	(Rycat)

X06b	21-4	1???	15850	Tue	111111 using the oldest, most worn out tone generator (first observed at 11z, starte	MFSK-6	(Rycat)
X06b	22-4	1113	9250	Wed	111222 old tone generator	MFSK-6	(Rycat)
X06b	22-4	1155	16650	Wed	111222 old tone generator	MFSK-6	(Rycat)
X06b	22-4	1248	10650	Wed	111222 old tone generator	MFSK-6	(Rycat)
X06b	22-4	1336	13650	Wed	111222 old tone generator	MFSK-6	(Rycat)
X06d	13-4	1206	16950	Mon	111666	MFSK-6	(Rycat)
X06d	13-4	1432	15750	Mon	Heavy QRM with Iran International and Iranian jammer	MFSK-6	(Rycat)
X06d	22-4	1452	16650	Wed	carrier breaks every 2nd tone (so probably "?1?1??)	MFSK-6	(Rycat)
X06d	22-4	1453	16650	Wed	carrier breaks every 2nd tone (so probably "?1?1??)	MFSK-6	(Rycat)
X06d	22-4	1458	16650	Wed	carrier breaks every 2nd tone (so probably "?1?1??)	MFSK-6	(Rycat)
XPA1	1-4	1210	13368	Wed	311 311 311 000 09294 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	1-4	1230	12168	Wed	311 311 311 000 09294 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	1-4	1250	11168	Wed	311 311 311 000 09294 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	3-4	1210	13368	Fri	311 311 311 000 05018 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	3-4	1230	12168	Fri	311 311 311 000 05018 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	3-4	1250	11168	Fri	311 311 311 000 05018 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	8-4	1210	13368	Wed	311 311 311 1 08336 00207 02957 ... 82674 95971 65170	MFSK-20/10Bd	(AB)
XPA1	8-4	1230	12168	Wed	311 311 311 1 08336 00207 02957 ... 82674 95971 65170	MFSK-20/10Bd	(AB)
XPA1	8-4	1250	11168	Wed	311 311 311 1 08336 00207 02957 ... 82674 95971 65170	MFSK-20/10Bd	(AB)
XPA1	10-4	1210	13368	Fri	311 311 311 1 08336 00207 02957 ... 82674 95971 65170	MFSK-20/10Bd	(AB)
XPA1	10-4	1230	12168	Fri	311 311 311 1 08336 00207 02957 ... 82674 95971 65170	MFSK-20/10Bd	(AB)
XPA1	10-4	1250	11168	Fri	311 311 311 1 08336 00207 02957 ... 82674 95971 65170	MFSK-20/10Bd	(AB)
XPA1	15-4	1210	13368	Wed	311 311 311 1 08336 00207 02957 ... 82674 95971 65170	MFSK-20/10Bd	(AB)
XPA1	15-4	1230	12168	Wed	311 311 311 1 08336 00207 02957 ... 82674 95971 65170	MFSK-20/10Bd	(AB)
XPA1	15-4	1250	11168	Wed	311 311 311 1 08336 00207 02957 ... 82674 95971 65170	MFSK-20/10Bd	(AB)
XPA1	17-4	1210	13368	Fri	311 311 311 1 08336 00207 02957 ... 82674 95971 65170	MFSK-20/10Bd	(AB)
XPA1	17-4	1230	12168	Fri	311 311 311 1 08336 00207 02957 ... 82674 95971 65170	MFSK-20/10Bd	(AB)
XPA1	17-4	1250	11168	Fri	311 311 311 1 08336 00207 02957 ... 82674 95971 65170	MFSK-20/10Bd	(AB)
XPA1	22-4	1210	13368	Wed	311 311 311 000 05171 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	22-4	1230	12168	Wed	311 311 311 000 05171 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	22-4	1250	11168	Wed	311 311 311 000 05171 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	24-4	1210	13368	Fri	311 311 311 000 08163 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	24-4	1230	12168	Fri	311 311 311 000 08163 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	24-4	1250	11168	Fri	311 311 311 000 08163 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	29-4	1210	13368	Wed	311 311 311 000 07700 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	29-4	1230	12168	Wed	311 311 311 000 07700 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA1	29-4	1250	11168	Wed	311 311 311 000 07700 00001 00000 10140	MFSK-20/10Bd	(AB)
XPA2	1-4	1100	17426	Wed	00473 00122 23971 ... 51469 21697 65356	MFSK-16/20Bd	(AB/Hiram)
XPA2	1-4	1120	16326	Wed	00473 00122 23971 ... 51469 21697 65356	MFSK-16/20Bd	(AB/Hiram)
XPA2	1-4	1140	14926	Wed	00473 00122 23971 ... 51469 21697 65356	MFSK-16/20Bd	(AB/Hiram)
XPA2	1-4	1800	15872	Wed	01994 00123 00044 ... 65735 27435 65367	MFSK-16/20Bd	(AB)
XPA2	1-4	1820	14972	Wed	01994 00123 00044 ... 65735 27435 65367	MFSK-16/20Bd	(AB)

XPA2	1-4	1840	13872	Wed	01994 00123 00044 ... 65735 27435 65367	MFSK-16/20Bd	(AB)
XPA2	2-4	0850	8154	Thu	09937 00069 42460 ... 84368 96957 72136	MFSK-16/20Bd	(PY)
XPA2	2-4	0900	9341	Thu	09937 00069 42460 ... 84368 96957 72136	MFSK-16/20Bd	(PY)
XPA2	2-4	0920	10429	Thu	09937 00069 42460 ... 84368 96957 72136	MFSK-16/20Bd	(PY)
XPA2	2-4	0920	10735	Thu	09937 00069 42460 ... 84368 96957 72136	MFSK-16/20Bd	(PY)
XPA2	2-4	0930	11576	Thu	09937 00069 42460 ... 84368 96957 72136	MFSK-16/20Bd	(PY)
XPA2	2-4	0940	12197	Thu	09937 00069 42460 ... 84368 96957 72136	MFSK-16/20Bd	(PY)
XPA2	2-4	1100	17426	Thu	00473 00122 23971 ... 51469 21697 65356	MFSK-16/20Bd	(AB/Hiram)
XPA2	2-4	1120	16326	Thu	00473 00122 23971 ... 51469 21697 65356	MFSK-16/20Bd	(AB/Hiram)
XPA2	2-4	1140	14926	Thu	00473 00122 23971 ... 51469 21697 65356	MFSK-16/20Bd	(AB/Hiram)
XPA2	2-4	1700	19372	Thu	01984 00001 00000 37661	MFSK-16/20Bd	(AB)
XPA2	2-4	1720	18291	Thu	01984 00001 00000 37661	MFSK-16/20Bd	(AB)
XPA2	2-4	1740	17453	Thu	01984 00001 00000 37661	MFSK-16/20Bd	(AB)
XPA2	3-4	0920	10735	Fri	02197 00068 52429 ... 11468 61056 27013	MFSK-16/20Bd	(PY)
XPA2	3-4	0930	11576	Fri	02197 00068 52429 ... 11468 61056 27013	MFSK-16/20Bd	(PY)
XPA2	3-4	0940	12197	Fri	02197 00068 52429 ... 11468 61056 27013	MFSK-16/20Bd	(PY)
XPA2	3-4	1100	16341	Fri	07667 00001 00000 10140	MFSK-16/20Bd	(AB/Hiram)
XPA2	3-4	1120	14841	Fri	07667 00001 00000 10140	MFSK-16/20Bd	(AB/Hiram)
XPA2	3-4	1140	13941	Fri	07667 00001 00000 10140	MFSK-16/20Bd	(AB/Hiram)
XPA2	3-4	1800	15872	Fri	01994 00123 00044 ... 65735 27435 65367	MFSK-16/20Bd	(AB)
XPA2	3-4	1820	14972	Fri	01994 00123 00044 ... 65735 27435 65367	MFSK-16/20Bd	(AB)
XPA2	3-4	1840	13872	Fri	01994 00123 00044 ... 65735 27435 65367	MFSK-16/20Bd	(AB)
XPA2	4-4	0900	20371	Sat	00714 00160 55851 04185 ... 05190 24399 16772	MFSK-16/20Bd	(Hiram)
XPA2	4-4	0920	19125	Sat	00714 00160 55851 04185 ... 05190 24399 16772	MFSK-16/20Bd	(Hiram)
XPA2	4-4	0940	18542	Sat	00714 00160 55851 04185 ... 05190 24399 16772	MFSK-16/20Bd	(Hiram)
XPA2	4-4	1500	15881	Sat	04744 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	4-4	1520	14481	Sat	04744 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	4-4	1540	13381	Sat	04744 00001 00000 36660	MFSK-16/20Bd	(AB)
XPA2	6-4	0700	16342	Mon	00748 00532 31248 ... 69324 90036 21736	MFSK-16/20Bd	(AB/Hiram)
XPA2	6-4	0720	17454	Mon	00748 00532 31248 ... 69324 90036 21736	MFSK-16/20Bd	(AB)
XPA2	6-4	0740	18345	Mon	00748 00532 31248 ... 69324 90036 21736	MFSK-16/20Bd	(AB/Hiram)
XPA2	6-4	0910	19286	Mon	04370 00001 00000 10140	MFSK-16/20Bd	(AB/Hiram)
XPA2	6-4	0930	18395	Mon	04370 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	6-4	0950	17437	Mon	04370 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	7-4	1100	16341	Tue	02514 00001 00000 10140	MFSK-16/20Bd	(AB/EW/Hiram)
XPA2	7-4	1120	14841	Tue	02514 00001 00000 10140	MFSK-16/20Bd	(AB/Hiram)
XPA2	7-4	1140	13941	Tue	02514 00001 00000 10140	MFSK-16/20Bd	(AB/Hiram)
XPA2	7-4	1700	19372	Tue	00597 00225 55320 ... 45179 27845 65264	MFSK-16/20Bd	(AB)
XPA2	7-4	1720	18291	Tue	00597 00225 55320 ... 45179 27845 65264	MFSK-16/20Bd	(AB)
XPA2	7-4	1740	17453	Tue	00597 00225 55320 ... 45179 27845 65264	MFSK-16/20Bd	(AB)
XPA2	8-4	0700	16342	Wed	00748 00532 31248 ... 69324 90036 21736	MFSK-16/20Bd	(AB/Hiram)
XPA2	8-4	0720	17454	Wed	00748 00532 31248 ... 69324 90036 21736	MFSK-16/20Bd	(AB/Hiram)

XPA2	8-4	0740	18345	Wed	00748 00532 31248 ... 69324 90036 21736	MFSK-16/20Bd	(AB/Hiram)
XPA2	8-4	0910	19286	Wed	04242 00001 00000 10140	MFSK-16/20Bd	(AB/Hiram)
XPA2	8-4	0930	18395	Wed	04242 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-4	0950	17437	Wed	04242 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-4	1100	17426	Wed	04954 0001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	8-4	1120	16326	Wed	04954 0001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	8-4	1140	14926	Wed	04954 0001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	8-4	1800	15872	Wed	06507 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-4	1820	14972	Wed	06507 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	8-4	1840	13872	Wed	06507 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	9-4	0900	20371	Thu	00766 00130 00002 ... 37165 27079 16425	MFSK-16/20Bd	(AB)
XPA2	9-4	0920	19125	Thu	00766 00130 00002 ... 37165 27079 16425	MFSK-16/20Bd	(AB)
XPA2	9-4	0940	18542	Thu	00766 00130 00002 ... 37165 27079 16425	MFSK-16/20Bd	(AB)
XPA2	9-4	1100	17426	Thu	02500 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	9-4	1120	16326	Thu	02500 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	9-4	1140	14926	Thu	02500 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	9-4	1700	19372	Thu	00597 00225 55320 ... 45179 27845 65264	MFSK-16/20Bd	(AB)
XPA2	9-4	1720	18291	Thu	00597 00225 55320 ... 45179 27845 65264	MFSK-16/20Bd	(AB)
XPA2	9-4	1740	17453	Thu	00597 00225 55320 ... 45179 27845 65264	MFSK-16/20Bd	(AB)
XPA2	10-4	1100	16341	Fri	09396 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	10-4	1120	14841	Fri	09396 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	10-4	1140	13941	Fri	09396 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	10-4	1800	15872	Fri	01765 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	10-4	1820	14972	Fri	01765 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	10-4	1840	13872	Fri	01765 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	11-4	0900	20371	Sat	00766 00130 00002 ... 37165 27079 16425	MFSK-16/20Bd	(AB-S)
XPA2	11-4	0920	19125	Sat	00766 00130 00002 ... 37165 27079 16425	MFSK-16/20Bd	(AB-S)
XPA2	11-4	0940	18542	Sat	00766 00130 00002 ... 37165 27079 16425	MFSK-16/20Bd	(AB-S)
XPA2	11-4	1500	18036	Sat	09653 00238 13387 ... 69233 87802 76256	MFSK-16/20Bd	(AB)
XPA2	11-4	1520	16201	Sat	09653 00238 13387 ... 69233 87802 76256	MFSK-16/20Bd	(AB)
XPA2	11-4	1540	15862	Sat	09653 00238 13387 ... 69233 87802 76256	MFSK-16/20Bd	(AB)
XPA2	13-4	0700	16342	Mon	00748 00532 31248 ... 69324 90036 21736	MFSK-16/20Bd	(AB)
XPA2	13-4	0720	17454	Mon	00748 00532 31248 ... 69324 90036 21736	MFSK-16/20Bd	(AB)
XPA2	13-4	0740	18345	Mon	00748 00532 31248 ... 69324 90036 21736	MFSK-16/20Bd	(AB)
XPA2	13-4	0910	19286	Mon	06757 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	13-4	0930	18395	Mon	06757 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	13-4	0950	17437	Mon	06757 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	13-4	1500	18036	Mon	04125 00001 00000 34256	MFSK-16/20Bd	(AB)
XPA2	13-4	1520	16201	Mon	04125 00001 00000 34256	MFSK-16/20Bd	(AB)
XPA2	13-4	1540	15862	Mon	04125 00001 00000 34256	MFSK-16/20Bd	(AB)
XPA2	14-4	1100	16341	Tue	01055 00068 30375 ... 99853 29783 20773	MFSK-16/20Bd	(AB)
XPA2	14-4	1120	14841	Tue	01055 00068 30375 ... 99853 29783 20773	MFSK-16/20Bd	(AB)

XPA2	14-4	1140	13941	Tue	01055 00068 30375 ... 99853 29783 20773	MFSK-16/20Bd	(AB)
XPA2	14-4	1700	19372	Tue	04513 00001 00000 35255	MFSK-16/20Bd	(AB)
XPA2	14-4	1720	18291	Tue	04513 00001 00000 35255	MFSK-16/20Bd	(AB)
XPA2	14-4	1740	17453	Tue	04513 00001 00000 35255	MFSK-16/20Bd	(AB)
XPA2	15-4	0700	16342	Wed	00748 00532 31248 ... 69324 90036 21736	MFSK-16/20Bd	(AB)
XPA2	15-4	0720	17454	Wed	00748 00532 31248 ... 69324 90036 21736	MFSK-16/20Bd	(AB)
XPA2	15-4	0740	18345	Wed	00748 00532 31248 ... 69324 90036 21736	MFSK-16/20Bd	(AB)
XPA2	15-4	0910	19286	Wed	08255 00001 00000 10140	MFSK-16/20Bd	(AB-IRL)
XPA2	15-4	0930	18395	Wed	08255 00001 00000 10140	MFSK-16/20Bd	(AB-IRL)
XPA2	15-4	0950	17437	Wed	08255 00001 00000 10140	MFSK-16/20Bd	(AB-IRL)
XPA2	15-4	1100	17426	Wed	00425 00199 45265 ... 54359 65878 51530	MFSK-16/20Bd	(AB)
XPA2	15-4	1120	16326	Wed	00425 00199 45265 ... 54359 65878 51530	MFSK-16/20Bd	(AB)
XPA2	15-4	1140	14926	Wed	00425 00199 45265 ... 54359 65878 51530	MFSK-16/20Bd	(AB)
XPA2	15-4	1800	15872	Wed	04262 00130 56824 ... 87295 53534 60757	MFSK-16/20Bd	(AB)
XPA2	15-4	1820	14972	Wed	04262 00130 56824 ... 87295 53534 60757	MFSK-16/20Bd	(AB)
XPA2	15-4	1840	13872	Wed	04262 00130 56824 ... 87295 53534 60757	MFSK-16/20Bd	(AB)
XPA2	16-4	0900	20371	Thu	Null message, barely audible	MFSK-16/20Bd	(AB)
XPA2	16-4	0920	19125	Thu	Null message, barely audible	MFSK-16/20Bd	(AB)
XPA2	16-4	0940	18542	Thu	Null message, barely audible	MFSK-16/20Bd	(AB)
XPA2	16-4	1100	17426	Thu	00425 00199 45265 ... 54359 65878 51530	MFSK-16/20Bd	(AB)
XPA2	16-4	1120	16326	Thu	00425 00199 45265 ... 54359 65878 51530	MFSK-16/20Bd	(AB)
XPA2	16-4	1140	14926	Thu	00425 00199 45265 ... 54359 65878 51530	MFSK-16/20Bd	(AB)
XPA2	16-4	1700	19372	Thu	06875 00001 00000 30266	MFSK-16/20Bd	(AB)
XPA2	16-4	1720	18291	Thu	06875 00001 00000 30266	MFSK-16/20Bd	(AB)
XPA2	16-4	1740	17453	Thu	06875 00001 00000 30266	MFSK-16/20Bd	(AB)
XPA2	17-4	1100	16341	Fri	01055 00068 30375 ... 99853 29783 20773	MFSK-16/20Bd	(AB)
XPA2	17-4	1120	14841	Fri	01055 00068 30375 ... 99853 29783 20773	MFSK-16/20Bd	(AB)
XPA2	17-4	1140	13941	Fri	01055 00068 30375 ... 99853 29783 20773	MFSK-16/20Bd	(AB)
XPA2	17-4	1800	15872	Fri	04262 00130 56824 ... 87295 53534 60757	MFSK-16/20Bd	(AB)
XPA2	17-4	1820	14972	Fri	04262 00130 56824 ... 87295 53534 60757	MFSK-16/20Bd	(AB)
XPA2	17-4	1840	13872	Fri	04262 00130 56824 ... 87295 53534 60757	MFSK-16/20Bd	(AB)
XPA2	18-4	0900	20371	Sat	07781 00001 00000 10140	MFSK-16/20Bd	(AB-CYP)
XPA2	18-4	0920	19125	Sat	07781 00001 00000 10140	MFSK-16/20Bd	(AB-CYP)
XPA2	18-4	0940	18542	Sat	07781 00001 00000 10140	MFSK-16/20Bd	(AB-CYP)
XPA2	18-4	1500	18036	Sat	06418 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	18-4	1520	16201	Sat	06418 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	18-4	1540	15862	Sat	06418 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	20-4	0700	16342	Mon	09103 00001 00000 10040	MFSK-16/20Bd	(AB)
XPA2	20-4	0720	17454	Mon	09103 00001 00000 10040	MFSK-16/20Bd	(AB)
XPA2	20-4	0740	18345	Mon	09103 00001 00000 10040	MFSK-16/20Bd	(AB)
XPA2	20-4	0910	19286	Mon	02736 00164 22098 ... 61938 22223 05640	MFSK-16/20Bd	(AB)
XPA2	20-4	0930	18395	Mon	02736 00164 22098 ... 61938 22223 05640	MFSK-16/20Bd	(AB)

XPA2	20-4	0950	17437	Mon	02736 00164 22098 ... 61938 22223 05640	MFSK-16/20Bd	(AB)
XPA2	20-4	1500	18036	Mon	05233 00085 31161 ... 45322 46693 40625	MFSK-16/20Bd	(AB)
XPA2	20-4	1520	16201	Mon	05233 00085 31161 ... 45322 46693 40625	MFSK-16/20Bd	(AB)
XPA2	20-4	1540	15862	Mon	05233 00085 31161 ... 45322 46693 40625	MFSK-16/20Bd	(AB)
XPA2	21-4	1100	16341	Tue	03947 00110 82357 ... 24196 76082 11222	MFSK-16/20Bd	(AB)
XPA2	21-4	1120	14841	Tue	03947 00110 82357 ... 24196 76082 11222	MFSK-16/20Bd	(AB)
XPA2	21-4	1140	13941	Tue	03947 00110 82357 ... 24196 76082 11222	MFSK-16/20Bd	(AB)
XPA2	21-4	1700	19372	Tue	05148 00177 31614 ... 36817 18334 05326	MFSK-16/20Bd	(AB-CYP)
XPA2	21-4	1720	18291	Tue	05148 00177 31614 ... 36817 18334 05326	MFSK-16/20Bd	(AB-CYP)
XPA2	21-4	1740	17453	Tue	05148 00177 31614 ... 36817 18334 05326	MFSK-16/20Bd	(AB)
XPA2	22-4	0700	16342	Wed	05139 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	22-4	0720	17454	Wed	05139 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	22-4	0740	18345	Wed	05139 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	22-4	0910	19286	Wed	02736 00164 22098 ... 61938 22223 05640	MFSK-16/20Bd	(AB)
XPA2	22-4	0930	18395	Wed	02736 00164 22098 ... 61938 22223 05640	MFSK-16/20Bd	(AB)
XPA2	22-4	0950	17437	Wed	02736 00164 22098 ... 61938 22223 05640	MFSK-16/20Bd	(AB)
XPA2	22-4	1100	17426	Wed	00686 00119 06328 ... 39704 69094 42041	MFSK-16/20Bd	(AB)
XPA2	22-4	1120	16326	Wed	00686 00119 06328 ... 39704 69094 42041	MFSK-16/20Bd	(AB)
XPA2	22-4	1140	14926	Wed	00686 00119 06328 ... 39704 69094 42041	MFSK-16/20Bd	(AB)
XPA2	22-4	1800	15872	Wed	04628 00153 38549 ... 98868 73492 24077	MFSK-16/20Bd	(AB)
XPA2	22-4	1820	14972	Wed	04628 00153 38549 ... 98868 73492 24077	MFSK-16/20Bd	(AB)
XPA2	22-4	1840	13872	Wed	04628 00153 38549 ... 98868 73492 24077	MFSK-16/20Bd	(AB)
XPA2	23-4	0900	20371	Thu	05770 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	23-4	0920	19125	Thu	05770 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	23-4	0940	18542	Thu	05770 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	23-4	1100	17426	Thu	00686 00119 06328 ... 39704 69094 42041	MFSK-16/20Bd	(AB)
XPA2	23-4	1120	16326	Thu	00686 00119 06328 ... 39704 69094 42041	MFSK-16/20Bd	(AB)
XPA2	23-4	1140	14926	Thu	00686 00119 06328 ... 39704 69094 42041	MFSK-16/20Bd	(AB)
XPA2	23-4	1700	19372	Thu	05148 00177 31614 ... 36817 18334 05326	MFSK-16/20Bd	(AB-CYP)
XPA2	23-4	1720	18291	Thu	05148 00177 31614 ... 36817 18334 05326	MFSK-16/20Bd	(AB-CYP)
XPA2	23-4	1740	17453	Thu	05148 00177 31614 ... 36817 18334 05326	MFSK-16/20Bd	(AB)
XPA2	24-4	1100	16341	Fri	03947 00110 82357 ... 24196 76082 11222	MFSK-16/20Bd	(AB)
XPA2	24-4	1120	14841	Fri	03947 00110 82357 ... 24196 76082 11222	MFSK-16/20Bd	(AB)
XPA2	24-4	1140	13941	Fri	03947 00110 82357 ... 24196 76082 11222	MFSK-16/20Bd	(AB)
XPA2	24-4	1800	15872	Fri	04628 00153 38549 ... 98868 73492 24077	MFSK-16/20Bd	(AB)
XPA2	24-4	1820	14972	Fri	04628 00153 38549 ... 98868 73492 24077	MFSK-16/20Bd	(AB)
XPA2	24-4	1840	13872	Fri	04628 00153 38549 ... 98868 73492 24077	MFSK-16/20Bd	(AB)
XPA2	25-4	0900	20371	Sat	09778 00001 00000 10140	MFSK-16/20Bd	(AB-CYP)
XPA2	25-4	0920	19125	Sat	09778 00001 00000 10140	MFSK-16/20Bd	(AB-CYP)
XPA2	25-4	0940	18542	Sat	09778 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	25-4	1500	18036	Sat	05233 00085 31161 ... 45322 46693 40625	MFSK-16/20Bd	(AB)
XPA2	25-4	1520	16201	Sat	05233 00085 31161 ... 45322 46693 40625	MFSK-16/20Bd	(AB)

XPA2	25-4	1540	15862	Sat	05233 00085 31161 ... 45322 46693 40625	MFSK-16/20Bd	(AB)
XPA2	27-4	0700	16342	Mon	05299 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	27-4	0720	17454	Mon	05299 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	27-4	0740	18345	Mon	05299 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	27-4	0910	19286	Mon	09705 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	27-4	0930	18395	Mon	09705 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	27-4	0950	17437	Mon	09705 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	27-4	1500	18036	Mon	02842 00001 00000 36256	MFSK-16/20Bd	(AB)
XPA2	27-4	1520	16201	Mon	02842 00001 00000 36256	MFSK-16/20Bd	(AB)
XPA2	27-4	1540	15862	Mon	02842 00001 00000 36256	MFSK-16/20Bd	(AB)
XPA2	28-4	1100	16341	Tue	01346 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	28-4	1120	14841	Tue	01346 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	28-4	1140	13941	Tue	01346 00001 00000 00140	MFSK-16/20Bd	(AB)
XPA2	28-4	1700	19372	Tue	03902 00001 00000 36653	MFSK-16/20Bd	(AB-CYP)
XPA2	28-4	1720	18291	Tue	03902 00001 00000 36653	MFSK-16/20Bd	(AB-CYP)
XPA2	28-4	1740	17453	Tue	03902 00001 00000 36653	MFSK-16/20Bd	(AB)
XPA2	29-4	0700	16342	Wed	09179 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	0720	17454	Wed	09179 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	0740	18345	Wed	09179 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	0910	19286	Wed	06489 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	0930	18395	Wed	06489 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	0950	17437	Wed	06489 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	1100	17426	Wed	09793 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	1120	16326	Wed	09793 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	1140	14926	Wed	09793 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	29-4	1800	15872	Wed	04932 00231 46267 ... 29535 86766 25740	MFSK-16/20Bd	(AB)
XPA2	29-4	1820	14972	Wed	04932 00231 46267 ... 29535 86766 25740	MFSK-16/20Bd	(AB)
XPA2	29-4	1840	13872	Wed	04932 00231 46267 ... 29535 86766 25740	MFSK-16/20Bd	(AB)
XPA2	30-4	0900	20371	Thu	00667 00060 86809 ... 77566 95204 25668 05670	MFSK-16/20Bd	(AB)
XPA2	30-4	0920	19125	Thu	00667 00060 86809 ... 77566 95204 25668 05670	MFSK-16/20Bd	(AB)
XPA2	30-4	0940	18542	Thu	00667 00060 86809 ... 77566 95204 25668 05670	MFSK-16/20Bd	(AB)
XPA2	30-4	1100	17426	Thu	05053 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	30-4	1120	16326	Thu	05053 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	30-4	1140	14926	Thu	05053 00001 00000 10140	MFSK-16/20Bd	(AB)
XPA2	30-4	1700	19372	Thu	01986 00001 00000 40661	MFSK-16/20Bd	(AB)
XPA2	30-4	1720	18291	Thu	01986 00001 00000 40661	MFSK-16/20Bd	(AB)
XPA2	30-4	1740	17453	Thu	01986 00001 00000 40661	MFSK-16/20Bd	(AB)
XPB1	2-4	0500	19517	Thu	Russian intel.	MFSK-16	(AB)
XPB1	2-4	0510	19317	Thu	Russian intel.	MFSK-16	(AB)
XPB1	2-4	0520	18217	Thu	Russian intel.	MFSK-16	(AB)
XPB1	2-4	0530	17417	Thu	Russian intel.	MFSK-16	(AB)
XPB1	2-4	0540	16317	Thu	Russian intel.	MFSK-16	(AB)

XPB1	2-4	0550	15817	Thu	Russian intel.	MFSK-16	(AB)
XPB1	3-4	0500	19517	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-4	0510	19317	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-4	0520	18217	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-4	0530	17417	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-4	0540	16317	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-4	0550	15817	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-4	1300	20038	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-4	1310	19538	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-4	1320	18268	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-4	1330	17468	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-4	1340	16268	Fri	Russian intel.	MFSK-16	(AB)
XPB1	3-4	1350	15868	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-4	0500	19517	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-4	0510	19317	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-4	0520	18217	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-4	0530	17417	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-4	0540	16317	Mon	Russian intel.	MFSK-16	(AB)
XPB1	6-4	0550	15817	Mon	Russian intel.	MFSK-16	(AB)
XPB1	7-4	0500	19517	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-4	0510	19317	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-4	0520	18217	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-4	0530	17417	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-4	0540	16317	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-4	0550	15817	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-4	1300	20038	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-4	1310	19538	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-4	1320	18268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-4	1330	17468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-4	1340	16268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-4	1350	15868	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-4	0500	19517	Thu	Russian intel.	MFSK-16	(AB)
XPB1	9-4	0510	19317	Thu	Russian intel.	MFSK-16	(AB)
XPB1	9-4	0520	18217	Thu	Russian intel.	MFSK-16	(AB)
XPB1	9-4	0530	17417	Thu	Russian intel.	MFSK-16	(AB/Hiram)
XPB1	9-4	0540	16317	Thu	Russian intel.	MFSK-16	(AB/Hiram)
XPB1	9-4	0550	15817	Thu	Russian intel.	MFSK-16	(AB/Hiram)
XPB1	10-4	0500	19517	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-4	0510	19317	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-4	0520	18217	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-4	0530	17417	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-4	0540	16317	Fri	Russian intel.	MFSK-16	(AB)

XPB1	10-4	0550	15817	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-4	1300	20038	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-4	1310	19538	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-4	1320	18268	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-4	1330	17468	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-4	1340	16268	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-4	1350	15868	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-4	0500	19517	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-4	0510	19317	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-4	0520	18217	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-4	0530	17417	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-4	0540	16317	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13-4	0550	15817	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-4	0500	19517	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-4	0510	19317	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-4	0520	18217	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-4	0530	17417	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-4	0540	16317	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-4	0550	15817	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-4	1300	20038	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-4	1310	19538	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-4	1320	18268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-4	1330	17468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-4	1340	16268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-4	1350	15868	Tue	Russian intel.	MFSK-16	(AB)
XPB1	16-4	0500	19517	Thu	Russian intel.	MFSK-16	(AB)
XPB1	16-4	0510	19317	Thu	Russian intel.	MFSK-16	(AB)
XPB1	16-4	0520	18217	Thu	Russian intel.	MFSK-16	(AB)
XPB1	16-4	0530	17417	Thu	Russian intel.	MFSK-16	(AB)
XPB1	16-4	0540	16317	Thu	Russian intel.	MFSK-16	(AB)
XPB1	16-4	0550	15817	Thu	Russian intel.	MFSK-16	(AB)
XPB1	17-4	0500	19517	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-4	0510	19317	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-4	0520	18217	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-4	0530	17417	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-4	0540	16317	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-4	0550	15817	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-4	1300	20038	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-4	1310	19538	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-4	1320	18268	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-4	1330	17468	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-4	1340	16268	Fri	Russian intel.	MFSK-16	(AB)

XPB1	17-4	1350	15868	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-4	0500	19517	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-4	0510	19317	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-4	0520	18217	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-4	0530	17417	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-4	0540	16317	Mon	Russian intel.	MFSK-16	(AB)
XPB1	20-4	0550	15817	Mon	Russian intel.	MFSK-16	(AB)
XPB1	21-4	0500	19517	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-4	0510	19317	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-4	0520	18217	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-4	0530	17417	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-4	0540	16317	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-4	0550	15817	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-4	1300	20038	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-4	1310	19538	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-4	1320	18268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-4	1330	17468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-4	1340	16268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	21-4	1350	15868	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-4	0500	19517	Thu	Russian intel.	MFSK-16	(AB)
XPB1	23-4	0510	19317	Thu	Russian intel.	MFSK-16	(AB)
XPB1	23-4	0520	18217	Thu	Russian intel.	MFSK-16	(AB)
XPB1	23-4	0530	17417	Thu	Russian intel.	MFSK-16	(AB)
XPB1	23-4	0540	16317	Thu	Russian intel.	MFSK-16	(AB)
XPB1	23-4	0550	15817	Thu	Russian intel.	MFSK-16	(AB)
XPB1	24-4	0500	19517	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-4	0510	19317	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-4	0520	18217	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-4	0530	17417	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-4	0540	16317	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-4	0550	15817	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-4	1300	20038	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-4	1310	19538	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-4	1320	18268	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-4	1330	17468	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-4	1340	16268	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-4	1350	15868	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-4	0500	19517	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-4	0510	19317	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-4	0520	18217	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-4	0530	17417	Mon	Russian intel.	MFSK-16	(AB)
XPB1	27-4	0540	16317	Mon	Russian intel.	MFSK-16	(AB)

XPB1	27-4	0550	15817	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-4	0500	19517	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-4	0510	19317	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-4	0520	18217	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-4	0530	17417	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-4	0540	16317	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-4	0550	15817	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-4	1300	20038	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-4	1310	19538	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-4	1320	18268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-4	1330	17468	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-4	1340	16268	Tue	Russian intel.	MFSK-16	(AB)
XPB1	28-4	1350	15868	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-4	0500	19517	Thu	Russian intel.	MFSK-16	(AB)
XPB1	30-4	0510	19317	Thu	Russian intel.	MFSK-16	(AB)
XPB1	30-4	0520	18217	Thu	Russian intel.	MFSK-16	(AB)
XPB1	30-4	0530	17417	Thu	Russian intel.	MFSK-16	(AB)
XPB1	30-4	0540	16317	Thu	Russian intel.	MFSK-16	(AB)
XPB1	30-4	0550	15817	Thu	Russian intel.	MFSK-16	(AB)
XSL	12-4	1657	4153	Sun	Japanese Navy. Telemetry (a.k.a.Japanese Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	12-4	1657	4231.5	Sun	Japanese Navy. Telemetry (a.k.a.Japanese Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	12-4	1657	4291	Sun	Japanese Navy. Telemetry (a.k.a.Japanese Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	12-4	1657	6250	Sun	Japanese Navy. Telemetry (a.k.a.Japanese Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	12-4	1657	6417	Sun	Japanese Navy. Telemetry (a.k.a.Japanese Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	12-4	1657	6445	Sun	Japanese Navy. Telemetry (a.k.a.Japanese Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	12-4	1657	8313	Sun	Japanese Navy. Telemetry (a.k.a.Japanese Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	12-4	1657	8588	Sun	Japanese Navy. Telemetry (a.k.a.Japanese Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	12-4	1657	8703.5	Sun	Japanese Navy. Telemetry (a.k.a.Japanese Slotmachine)	QPSK 1500Bd	(AB-J)

Recent Egyptian Music Station logs

6140 kHz	07:00	07:15	07:30	07:45	08:00	08:15	08:30	08:45	09:00	09:15	09:30	09:45	10:00	10:15	10:30	10:45	11:00	11:15	11:30	11:45	12:00	12:15	12:30	12:45	13:00		
Mon 2026-02-23																											
Tue 2026-02-24																			A								1130z Amr Diab - تيهون ال ليدالي و لا
Wed 2026-02-25																											
Thu 2026-02-26													N						i			D					
Fri 2026-02-27																											
Sat 2026-02-28																	E		1			P					1130 sounds very old school



CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-CYP	Ary Boender via remote rx Cyprus
AB-J	Ary Boender via remote rx Japan
AB-POL	Ary Boender via remote rx Poland
AB-S	Ary Boender via remote rx Sweden
EW	Eddy Waters, Australia
FD	Full Day Waterfall, University Twente SDR
Hiram	Hiram, W. Europe
JPL	JPL, NB, Canada (and various remote rx)
Lac	Lazycrypt
Moon	Moonlight (Dave AU)
PHP	Peder, SMOGNS
Pille	Pille
PY	Pierre Ynard, France and via remote rx
qsr711	QSR711
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
Rycat	Rycat
SSD	SauerStoffDioxid

[14 contributors submitted 3841 logs !](#)

LIST OF ACTIVE STATIONS

Prefixes

E	English language	Q	4+4 QPSK mode
F	FSK (Frequency Shift Keying) modes	S	Slavic languages
G	German language	SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
HM	Hybrid modes	UM(C)	Unid Morse station (Chinese)
M(C)	Morse code (Chinese)	V	Voice broadcasts in other languages
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes	VC	Voice Chinese
		X	MFSK modes

Notes :

There is no solid proof that the mentioned operators are correct.

Russian G06, V06 and other variants are not in the list but are occasionally used for exercises

Code	Description	Country	Counterpart	Operator
E06	3-fig id, OM/EE 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06a	3-fig id, 2 group commencing with 11111	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06b	3-fig id with 5FG group in call, 2 msgsg	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E07	3-fig id, OM/EE 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
E07a	Null msg format. Nnn nnn nnn 000 repeated 20 mins later	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
E11	nnn Oblique 00 Out	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E11a	E11 with message	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E25	Arabic music, 3FGs call, 4FGs, 9450 kHz	EGY	E25, E25a, E25b	GID
E25a	E25 but 3FG 3FG 2FG 2FG 2FG call	EGY	E25, E25a, E25b	GID
E25b	Arab message; callup in English	EGY	E25, E25a, E25b	GID
F01	FSK/ITA2 200Bd/500Hz	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F02	MFSK-4 150Bd/4000Hz (12kHz BW)	RUS		Unid Russian net.
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F06	FSK 200Bd/1000Hz ACF=288 sending compressed digits	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F06a	FSK 200Bd/1000Hz ACF=288 sending uncompressed ASCII files	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F07	5x16-tone MFSK, 10Bd, 20Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
HM01	Consists of alternating WinDRM data & V02a repeating sequences.	CUB		DGI
M01	2 tone hand-keyed, ends '000'	RUS		Russian Navy
M01a	End of the month transmission	RUS		Russian Navy
M12	5FG, 3 or 4FG DK. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
M12a	3FG DK. 2 Messages. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
M14	Ends 00000 or 5 long dashes	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14a	Dual msg variant	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14b	Rare, added 2nd msg hand keyed	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14c	Rare, dual msg, consecutive id's	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14d	3FG id with 5FG group in call	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M21	14 fig msgsg. Markers and tracking data	RUS	M21, M41	Russian Air Defense
M22	4XZ	ISR		Israeli Navy
M23	Letters and/or figures strings in various formats	F		
M41	M21 variant using callsigns and WZD and ABV	RUS	M21, M41	Russian Air Defense
M42	Various modes	RUS		Russian Gov/Intel.
M42b	FSK 50/500 (=50= separator)	RUS		Russian Gov/Intel.
M51a	FAV22 transmissions	F		French army
M51b	Non-stop 5-character groups	F		French army
M76	ABCD de EFGH QTC xx xx = 5FG 3607X RRRRR 201XX NNN			
M89	Markers like V YHXD YHXD YHXD DE SAQC SAQC and 4FG messages. Cut numbers	CHN		Chinese military
M89v	M89 voice transmissions	CHN		Chinese military

M95	Markers and 4FG messages. Cut numbers. Morse counterpart of V26 and Q26	CHN	M95, Q26, V26	Chinese military
MC03	Tracking data. Various formats	CHN	VC01	Chinese Air Defense
MVC03	Morse counterpart of VC03	CHN	VC03	Chinese Air Defense
MX	Single letter beacons/markers	RUS		Russian military
P03e	QPSK 100Bd/488-bit period	POL	E11, E11a, S11a, F03, P03	
P03f	QPSK 200Bd/496-bit period	POL	E11, E11a, S11a, F03, P03	
P03g	BPSK 50Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P03h	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03i	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03j	QPSK 100Bd/504-bit period	POL	E11, E11a, S11a, F03, P03	
P03k	BPSK 100Bd/480-bit period	POL	E11, E11a, S11a, F03, P03	
P03l	QPSK 100Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P07	Russian intel. 8-tone OFDM, QSPK, 62.5Bd, 125Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
Q26	Digital counterpart of V26 and M95. Mode: 4+4 QPSK 75/3000 LSB and 4+4 QPSK 75/1000 LSB	CHN	M95, Q26, V26	Chinese military
S06	3-fig id, 00000 OM/RR	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06b	3-fig id, two group (commencing with 11111, stutter)	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06c	Repeating single group	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06e	3-fig id, two messages	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06f	3 group msg, ends 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06s	YL + slow zero's ending	UKR	E06, S06, M14, F01, F06, F06a	SZRU
S11a	nnn Cherta 00 or group count + message. Konets	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
S28	Buzzer	RUS		Russian military
S30	Pip	RUS		Russian military
S32	Squeaky Wheel	RUS		Russian military
UM03	X2M (probably Chinese). Mode: CW			
UM04	PROMRCh. Daily transmissions. Format: VVVVV PROMRCh = 27 09 = 1000 0600 0640 0780 1160 ... ABV repeat message = AR. Origin: Bulgaria	BUL		Bulgarian military
UM05	French morse training station	F		
UM06	Various formats morse strings	F		
UM10	10-minutes net. Callsigns sent for 10 minutes 2x per hour on 2 parallel frequencies. Seldom messages are sent.			
V07	Spanish Man 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V07F	French version of E07	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence
V13	New Star Broadcasting	TWN	V13, V13a, V13b	Military Intelligence
V13a	New Star Broadcasting (AM, 5-7 msgs to 5-7 units)	TWN	V13, V13a, V13b	Military Intelligence
V13b	New Star Broadcasting (AM/USB hybrid, intro 2x, 4 msgs to 4 units)	TWN	V13, V13a, V13b	Military Intelligence
V26	Voice counterpart of M95 and Q26	CHN	M95, Q26, V26	Chinese military
V32	Tavajjoh (Attention) followed by strings of figures in Farsi			
VC01	Chinese Robot (tracking data)	CHN	MC03	Chinese Air Defense
VC02	Chinese voice morse stations	CHN		Chinese Air Defense
VC03	3FG callup and 4FG messages			
VC05	Chinese time stamp station. Operator calling a 4-figure callsign for four minutes. At the end the actual Beijing time is mentioned.	CHN		
VR01	Russian station passing coded messages. Active since at least March 2014. Seldom heard	RUS		
X06	MFA Moscow. Selcal system for diplomatic missions	RUS		Various
XPA1	MFSK-20/10Bd transmissions	RUS		Russian intelligence
XPA2	MFSK-16/20Bd transmissions	RUS		Russian intelligence
XPB1	MFSK-16 transmissions	RUS		Russian intel
XSL	QPSK 1500Bd. Slot Machine (Japanese Navy Telemetry)	J		Japanese navy
X--	21-tone MFSK with 125 Hz tone spacing + 13-tone MFSK with 250 Hz spacing	RUA	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1, X--	Russian intelligence

APPENDIX

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	- - . .					

For Cyrillic morse etc., see also
<http://udxf.nl/Morse-document.pdf>
<http://udxf.nl/Russian.pdf>

Chinese cut numbers
(M89, M95, MC03, etc)

A U 3 4 5 6 7 D N T
1 2 3 4 5 6 7 8 9 0

M08a cut numbers

A N D U W R I G M T
1 2 3 4 5 6 7 8 9 0

Q26 conversion

F J B P G U Y M C W
0 1 2 3 4 5 6 7 8 9

3rd shift Cyrillic RTTY as used by M42b

Q W E R T Y U I O P (K V Z
1 2 3 4 5 6 7 8 9 0 K = - +

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	- . . - .
Out	Out	Konets	

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itnien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	nul	Null	Zero
1	. — — — —	Một	Van	adinka	Eins	One
2	.. — — —	Hai	To	dvoyka	Twso	Two
3	... — —	Ba	Fwee	troyka	Drei	Three
4	.... —	Bô'n	Fo	chetvyorka	Vier	Four
5	Năm	Fav	petyorka	Funuf	Fiver
6	—	Sáu	Six	shest	Sechs	Six
7	— —	Ba | y	Seven	syem	Sieben	Seven
8	— — — ..	Tám	Eight	vosyem	Acht	Eight
9	— — — — .	Chín	Nine	dyevyet	Neugen	Niner
=	—					
/	—					

Note: E17z, M03 and M08a are defunct.



COLOPHON

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All information in this newsletter was submitted by independent radio monitors or has been obtained from public available sources and public sites on the web. Wherever data was obtained via the web or elsewhere, references and/or links to these sources have been noted.

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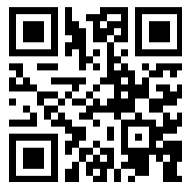
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976 27364 92656 89428 61268 74982 36498 32764 81276 81
986 48932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 76
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 11
591 87364 87265 96718 27638 12673 84769 28743 98127 01
58 63298 75698 27465 87326 49876 28376 81273 98615 66
67 87432 74328 78674 29867 32867 67867 86786 43216 496
57 68768 68763 34234 34238 68768 62342 48273 48768 234
936 98432 32432 86743 43286 43286 43286 43286 43286 43286
743 86743 86743 99867 32867 86743 43286 43286 43243 867
743 86743 86743 86743 86743 86743 86743 86743 86743 432
543 98798 98754 98754 98754 98754 29867 67543 67986 867
576 87698 69876 87698 69876 87612 12341 34867 86798 662
867 43298 65656 56756 56123 32143 14321 32143 14321 321
867 42787 58765 76587 58765 76587 58765 76587 58756 765

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