

27364	92836	89428	81268	74982	86498	32784	31277
40932	70987	32123	49817	26346	81287	65491	87364
75654	55656	12737	72727	72727	91918	63473	67867
87629	37677	32612	53498	71296	28756	18276	98716
76329	74698	76857	98670	27601	56701	57601	73648
87364	87265	96710	27630	12673	84769	28743	98127
63298	75698	27465	87326	49876	28376	81273	98615
87432	74328	78674	29867	32867	67867	86786	43286
68768	68763	34234	34238	68768	62342	48273	48768
98432	32432	86743	43286	43286	43286	43286	43286
86743	86743	39867	32867	86743	43286	43286	43243
86743	86743	86743	86743	86743	86743	86743	86743
98798	98754	98754	98754	98754	29867	67543	67986
87698	69876	87698	69876	87612	12341	34867	86798
43298	65656	56756	56123	32143	14321	32143	14321
58765	58765	58765	58765	76587	58765	76587	58756

Numbers & Oddities
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 a.k.a. *The Spooks Newsletter*
 The Spooks Newsletter
Edition #313, October 2023

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

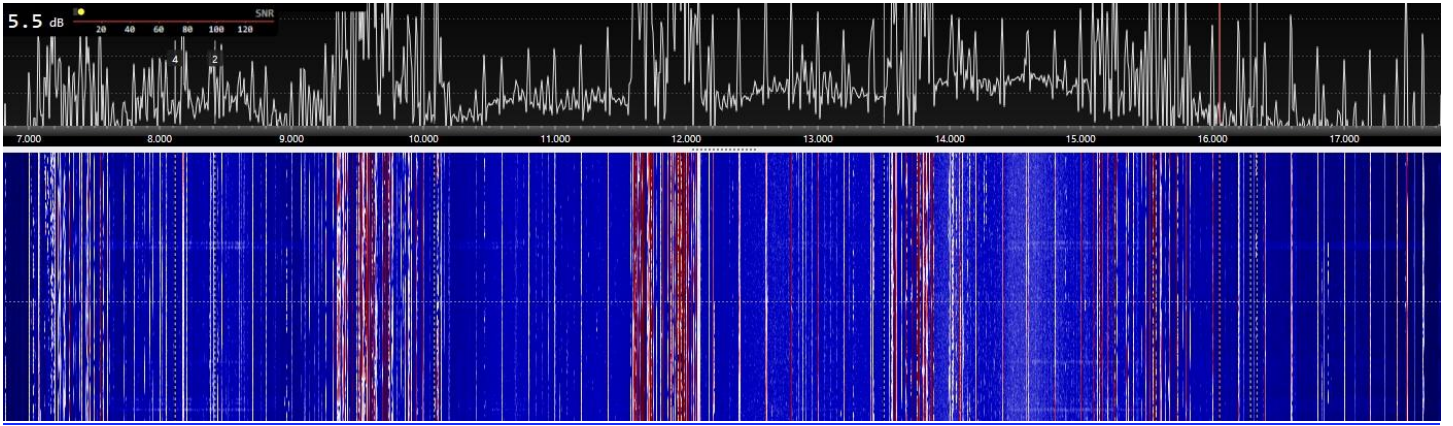
"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

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



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CONTENT



CONTENT.....	2
FOREWORD.....	3
VOICE STATIONS	3
MORSE STATIONS	18
DIGITAL MODES	43
DIPLOMATIC STATIONS.....	90
CLANDESTINE / TARGETED RADIO & JAMMERS	93
UTILITY ROUND-UP	94
RUSSIAN MILITARY TRANSCRIPTS.....	95
LOGS SECTION.....	97
CONTRIBUTORS.....	180
APPENDIX.....	181
COLOPHON	184



FOREWORD

We had a busy but interesting October. We heard many Russian tests and/or training transmissions, using M14 variants, S06, E06, P07 variants, XPB1 and lots of Russian MFSK + OFDM transmissions. These transmissions start with a short MFSK intro followed by OFDM signals, from 3 to 48 kHz wide. This resulted in a lot of logs. HM01 was on the air, disappeared, re-appeared and disappeared again. The "new buzzer" popped up on various frequencies. A new Morse station appeared on 5345.8 kHz. It transmits looped messages 24/7.

While wrapping up N&O, I received well over 300 logs and 183 recordings on 1 and 2 November alone and ca 200 a couple of days later. Plus the 3800 logs that I already had makes a total of ca 4000!!!! logs. Amazing ! That took a while to process ☺ Many THANKS to all contributors!

New designators: M14d and UM05

M14d: M14 variant. 3-figure ID with additional 5-figure group in the callup. e.g. 801 79462 (R4) 625 34 etc.

UM05: French training station. Loop transmissions. Sends new words, letters or digits every 10 minutes. 24/7 operation

VOICE STATIONS

E06

18425/20230 kHz, 05-10/06-10, 0600/0700 UTC

186 790 52
57217 68664 07071 12468 28795 94764 59384 96885 84186 83430
37338 40165 69976 68644 91102 79398 77863 65018 49377 11282
32318 74867 98511 16464 56083 84439 07424 02896 80690 85253
78013 76627 94182 81461 25743 63483 43230 69188 20088 30050
31835 98785 39531 77419 83794 55925 20807 06127 61135 22483
07060 75713
790 52 00000

18425/20230 kHz, 19-10/20-10, 0600/0700 UTC

186 239 54
93883 29532 85141 36781 21462 96534 47643 96394 03569 68479
22928 93096 00879 86025 75688 30340 25778 11268 92255 00061
54317 31274 17025 38513 74205 41792 89747 26510 54774 40825
32148 06248 49854 86751 57294 23902 69493 00694 00159 76175
81469 17797 92802 80000 28516 17141 32638 07562 72214 84930
17182 53845 99485 90696
239 54 00000

Group Count Cycle net

11528/14613 kHz, 02-11/03-11, 0210/0310 UTC

537 648 39
97879 33686 51521 45366 16295 96177 30406 43720 86600 34828
31437 48602 13842 06189 68981 64929 63010 12236 13052 18421
15990 03881 00602 80832 41505 49420 71531 18735 82731 91367
46588 51755 92275 40100 89346 31237 69208 77756 19458
648 39 00000

11528/14613 kHz, 09-11/10-11, 0210/0310 UTC

537 912 40
00842 75344 35409 99596 95323 50378 45089 27461 66655 40419
28897 48023 44551 42744 91755 53543 03580 71478 85708 86343
40866 14861 40016 08035 16004 03552 46429 44630 70361 75908
29323 55970 67966 51170 55384 02908 25167 46497 62536 10680
912 40 00000

11528/14613 kHz, 16-11/17-11, 0210/0310 UTC

537 608 41
13939 05201 83494 18791 08978 26204 57681 36252 32337 40364
00752 40205 31338 12682 54681 00366 28745 02960 23337 35359
89146 66426 19369 65936 78779 21657 47534 50325 36015 71702
54124 50134 94660 89391 97198 00276 27294 02723 17313 81317
00797
608 41 00000

11528/14613 kHz, 23-11/24-11, 0210/0310 UTC

537 109 42
71887 67904 04649 51988 33244 19785 66004 50844 99547 69509
96189 62210 21765 23450 59750 47270 73076 58812 74243 26394
93304 39529 58420 63829 31095 20911 24266 71619 82288 35265
73815 37457 47923 75651 86699 06149 60305 19974 09345 69375
50575 62588
109 42 00000

11528/14613 kHz, 30-11/31-11, 0210/0310 UTC

537 628 43
86855 65723 81876 44996 63701 54427 27365 80219 68471 70265
10151 30402 91939 06929 72792 53807 27845 20193 04591 24077
55010 32281 32167 26829 39100 34374 00754 09871 02434 29449
57141 41716 35306 82638 70239 58087 47258 71301 50152 01092
81713 51982 51744
628 43 00000

16219/13545 kHz, 05-11/06-11, 0300/0400 UTC

361 298 35
75426 49246 91289 68318 22901 44882 34531 78480 86741 45554
26766 91762 52246 61411 12084 70277 13349 54000 32561 71169
64537 14575 13589 41970 21374 85480 64520 92614 24327 98036
61851 80051 05585 25361 07089
298 35 00000

16219/13545 kHz, 12-11/13-11, 0300/0400 UTC

361 705 36
40781 83040 43188 31455 51855 81352 52072 75683 37970 66380
97446 43466 80152 87285 20205 89725 80333 65323 59605 50669
94132 26502 60319 97783 94588 89031 53413 61467 84051 91490
40931 72716 96395 72653 38786 96329
705 36 00000

16219/13545 kHz, 19-11/20-11, 0300/0400 UTC

361 249 37
03199 49067 39958 08228 74038 27391 50530 47548 61445 10921
63079 96802 00337 68762 70665 33969 18953 08886 22010 21956
03400 94602 72606 07940 13069 15432 07815 82561 95382 54548
48860 53678 73283 20005 77678 14345 03923
249 37 00000

16219/13545 kHz, 26-11/27-11, 0300/0400 UTC

361 750 38
22654 60283 10987 14442 92048 60106 17237 95711 20299 69742
01758 72187 32874 87791 88873 97103 29026 50923 38960 32463
94432 40829 01951 10338 76439 04161 35792 18871 82825 90149
13271 30176 90055 35581 65662 12320 71931 51831
750 38 00000

Test transmissions

10755 kHz, 03-10, 1210 UTC Windows XP startup sound then other Windows XP system sounds
10755 kHz, 03-10, 1213 UTC 1200Hz test tones then E06 "975" once
10755 kHz, 03-10, 1220 UTC 975 97 off

11073 kHz, 17-10, 1049 UTC. Test tones then E06 "352" once, poorly suppressed LSB

11073 kHz, 17-10, 1100 UTC

352 (R4m) 794 60
76493 57220 26078 00424 67093 23397 86020 61350 57384 01090
95424 61787 70293 37527 28390-
[23s silence] 352 (R1m05s)
57384 01090
95424 61787 70293 37527 28390 37051 81505 81622 56902 59154
86501 62900 64205 97413 72376 94345 77801 77214 80379 28871
70523 79097 70123 24076 03103 45367 21379 9500
[1m15s silence] 352 (R1m20s)
70123 24076 03103 45367 21379 95003 06684 86416
34412 59566 28720 03930 14796 06341 90676 73181 53624 39406
30996 51598 39080 79928 31754 05780 60287 29166 52439 74161
794 60 00000

Full recomposed message:

352 794 60
76493 57220 26078 00424 67093 23397 86020 61350 57384 01090
95424 61787 70293 37527 28390 37051 81505 81622 56902 59154
86501 62900 64205 97413 72376 94345 77801 77214 80379 28871
70523 79097 70123 24076 03103 45367 21379 95003 06684 86416
34412 59566 28720 03930 14796 06341 90676 73181 53624 39406
30996 51598 39080 79928 31754 05780 60287 29166 52439 74161
794 60 00000

E07

17461/16161/14361 kHz, 1500/1520/1540 UTC

17461/16161/14361 kHz, 10-10/13-10, 1500/1520/1540 UTC

413 413 413 1 393 150 393 150
06651 94694 00034 77252 77525 76226 12735 80987 89526 34479
06016 26719 64680 59180 99251 00346 06164 14798 25299 80777
84996 14595 68017 89574 60861 75788 28321 63580 52663 90631
31113 59177 68009 06718 40710 99432 66366 24713 58011 14370
43340 48503 21169 01187 53813 73345 56268 52480 47907 15562
49944 37551 42181 88344 60503 12706 72992 32248 78423 75780
53480 80148 56180 33893 97989 11586 78079 98267 89075 59366
69788 28885 50802 32773 27237 83787 98327 21569 05899 65911
97610 55538 94325 96877 43842 67394 46516 06260 61115 82960
19098 53230 30150 06533 37767 79804 20202 43894 19246 72706
53974 74732 71701 67023 72924 65064 51277 25422 52284 42760
37380 42442 89600 70013 23546 38318 06750 74054 46681 21568
04399 70842 48517 15256 62196 14122 40838 63989 78532 65705
63411 33118 97163 29241 32680 83892 41320 48309 56292 29507
61316 94593 27462 90690 71355 44777 78092 04010 01109 41751
000 000

17461/16161/14361 kHz, 24-10/27-10, 1500/1520/1540 UTC

413 413 413 1 537 125 537 125
84455 62066 86641 09172 27806 78279 63993 36340 50961 16712
03571 91093 71622 74255 19047 63766 23323 32287 31546 84464
11426 94974 46428 76133 33895 42921 61545 68766 76986 68076
63739 94390 48680 10187 43005 28501 68350 31047 85851 33664
64906 62201 26129 04499 91785 57364 78754 36412 08571 90880

27314 41111 16914 97833 62443 72922 26072 34332 77930 65391
26232 22112 03531 42243 66662 71220 04681 88267 28166 57752
44895 32098 24558 89190 21989 76742 02352 31596 60844 73508
91533 40388 63978 12480 45568 29996 31156 71296 73456 37174
37953 66138 36577 30422 01244 73352 98774 86801 55815 74736
48241 24339 63070 61683 76020 88367 74351 49282 47537 43647
22864 44799 42514 18530 87901 31040 71813 92539 05045 67427
76978 57196 42668 39550 45495 000 000

15849/14849/13449 kHz, 1410/1430/1450 UTC

15849/14849/13449 kHz, 12-10/14-10, 1410/1430/1450 UTC

746 746 746 1 635 66 635 66
64889 35893 68817 38745 64149 88501 07621 64888 05808 98623
40745 90588 21169 48606 54521 11746 47886 92612 41401 74506
51406 79442 96378 13998 57581 09064 70820 33956 64349 04909
69820 15823 05333 74454 49610 16089 96149 03443 00150 94138
51305 80968 42835 74209 52990 93212 19624 97272 32251 75055
67036 51015 28817 15726 24531 08382 61291 95382 76737 02340
71581 88748 29796 11231 18956 88876 000 000

15849/14849/13449 kHz, 26-10/28-10, 1410/1430/1450 UTC

746 746 746 1 349 88 349 88
17980 46650 03532 01791 50065 46545 52621 38918 25951 15476
96209 05191 16972 95926 57132 56344 96757 94819 03686 74423
68397 46664 99304 43889 40312 42738 25544 60669 73190 62070
73725 41628 09442 89655 43620 82542 05723 82899 21009 77063
93862 82113 42812 87430 17100 52773 27754 10487 91141 74132
09488 43057 27151 52872 25596 03685 98567 08118 00352 63328
50974 55448 62795 41488 14026 15749 35668 60041 78836 17109
73198 26451 82054 08690 01237 64696 61340 00634 38439 06394
41836 29399 44776 99062 07710 75067 64702 39398 000 000

E11a

7317 kHz, 02-10/05-10, 1900 UTC

640/36 Attention
28028 38496 66921 73639 80663 55104 00335 85644 01271 79102
24741 84765 04168 04777 84366 45071 52032 17309 89305 47674
61064 48952 55716 75396 21952 56603 14607 21347 29582 09758
51403 14610 43670 31085 63169 63313
Attention (message repeated) Out

8423 kHz, 03-10/05-10, 0645 UTC

519/34 Attention
03513 94244 06403 24182 35673 20167 42392 72419 41203 38447
82215 35550 59990 86002 18170 96347 48087 53893 27804 40875
52932 30946 64789 49843 19282 36562 88512 74118 87584 19100
74385 89982 11397 96827
Attention (message repeated) Out

9963 kHz, 03-10/06-10, 0715 UTC

635/34 Attention
75591 48460 99625 01146 56521 27583 35724 66135 40454 05651
48558 66326 00051 47275 57727 25020 47166 84390 18963 50664
27639 93928 82614 58969 09499 27836 78338 29467 71598 83567
70871 26611 23677 87636
Attention (message repeated) Out

7670 kHz, 05-10, 0820 UTC 431/00

6807 kHz, 06-10, 0820 UTC 436/00

This one inexplicably moved to new frequencies on the second transmission day of October... after it had ALREADY moved to new frequencies mid-August. I hoped it was an operator mistake, but no; its paired F03, on top of using new frequencies every month now, changed frequencies with it on Friday 6th, after using its first new October frequency only once... (PY)

6807 kHz, 19-10/20-10, 0820 UTC

430/39 Attention

78487 85202 30118 15262 77926 58791 69211 14648 94073 90501

19334 04476 33337 03749 02052 02436 32044 58370 36081 51408

39174 00596 69787 44993 49907 56012 30733 76530 58795 80151

61433 20294 72262 51553 16379 77957 06643 41434 67574

Attention (message repeated))ut

6923 kHz, 04-10/06-10, 1715 UTC

976/37 Attention

67490 14334 27649 93188 31579 97249 41087 54278 80028 37039

48556 45632 65070 76750 53999 90549 10681 07254 70530 14738

64530 42871 86411 27359 60697 00675 85308 24220 94695 54612

52791 46318 27879 18195 59806 39451 09750

Attention (message repeated) Out

17410 kHz, 06-10, 0745 UTC

340/36 Attention

33099 89283 06380 50708 29476 62872 09979 07418 81447 89905

73050 85091 83301 67077 10063 03668 36286 70281 92200 33383

29211 57728 72532 33130 43856 78089 26617 48580 39589 07177

98582 09687 63015 23368 00512 64431

Attention (message repeated) Out

11581 kHz, 09-10/11-10, 0315 UTC

259/33 Attention

25654 05983 18042 08006 59174 33895 08684 77657 80119 75176

34252 53790 08848 64811 09021 48150 44520 53730 93719 33305

40494 42155 94523 10068 68756 46600 53724 66704 65808 28850

79404 36891 00816

Attention (message repeated) Out

5371 kHz, 09-10/12-10, 0450 UTC

410/35 Attention

84113 62664 96611 58041 10874 15339 74316 88475 06991 02956

83686 20116 86173 75411 95846 44893 19900 99996 53473 02712

69050 10459 75015 10740 70402 30925 77447 81962 92094 00129

70324 68696 57365 31549 70649

Attention (message repeated) Out

13470 kHz, 09-10, 1745 EUTC

248/30 Attention

83451 72347 82339 95578 78849 91484 95331 32686 62394 53062

42152 18911 80021 92793 73833 80724 16365 06716 64346 85984

73962 00837 91143 41161 91963 48398 89466 78073 23211 95158

Attention (message repeated) Out

19184 kHz, 10-10/11-10, 0820 UTC

134/37 Attention

25159 56718 76033 66417 77862 18306 23186 59919 19670 52516

92011 99656 52752 22450 83086 15587 88982 19492 77197 16677

62331 38737 76475 82705 12887 26160 79651 56330 43472 69865

88896 68753 53775 78552 66508 04636 46676

Attention (message repeated) Out

12530 kHz, 10-10/12-10, 1230 UTC

338/34 Attention

06483 21402 33672 32191 08832 02078 56212 11607 58522 65416
46663 27480 56575 86283 20125 45181 93561 86853 24353 37609
42087 89493 09746 04672 82671 44581 03599 48149 31409 26948
88775 33500 59930 66292

Attention (message repeated) Out

14972 kHz, 10-10/14-10, 1430 UTC

915/38 Attention

27299 93640 32437 63775 05668 13275 95102 31216 87398 54288
90866 52699 17586 24846 52153 83205 33806 30918 52264 97105
07392 14281 98891 84028 23900 03246 13336 41488 66838 63575
90629 42178 68604 78523 62911 06205 40378 12303

Attention (message repeated) Out

8530 kHz, 13-10, 1910 UTC

610/35 Attention

12920 92220 14299 25314 51179 08784 29113 89528 66396 23980
37535 73464 57536 49921 67602 14192 84373 14698 56310 34984
76068 54816 94089 00822 38911 64112 84767 59280 99477 31558
14671 15633 38607 37595 44518

Attention (message repeated) Out

9079 kHz, 14-10/15-10, 0700 UTC

496/39 Attention

47047 13016 11536 94894 43234 82092 05121 13639 47586 78387
19696 74148 97585 86054 62247 83370 95641 46157 33055 69997
26676 90600 31029 31693 98033 44541 97047 03178 91505 71998
92333 58459 67878 76376 72662 93213 74701 58723 23726

Attention (message repeated) Out

15632 kHz, 16-10/18-10, 0715 UTC

751/32 Attention

18124 09679 59766 69436 63332 92404 38717 40727 05106 80488
70211 61089 98793 59716 17708 25447 82321 17613 82264 69085
86402 19051 73737 53192 36939 22483 34653 35011 02748 13034
12669 54939

Attention (message repeated) Out

20170 kHz, 16-10/20-10, 0830 UTC

180/24 Attention

33237 79677 70674 32073 48345 84580 44800 49739 68454 70866
60428 57346 00678 93651 48610 73412 59915 35028 00089 81381
46146 67140 71050 42891

Attention (message repeated) Out

9968 kHz, 16-10/18-10, 0900 UTC

534/34 Attention

62129 95390 23276 52453 25785 77692 68872 54069 82375 72031
63296 49258 11912 30628 66621 19888 07889 67669 44470 17749
42130 22023 84405 56632 03537 16011 29425 63654 77409 62166
07984 64636 73142 36289

Attention (message repeated) Out

10200 kHz, 16-10/18-10, 1045 UTC

693/29 Attention

87153 27228 86785 49734 87521 61866 80657 23516 50393 28568
51751 69396 83776 58286 43246 73093 79301 26405 89436 51926
05692 11216 53984 22857 16250 30548 57763 00397 99189

Attention (message repeated) Out

14865 kHz, 17-10/19-10, 0745 UTC

229/36 Attention

21796 61722 38691 54014 72061 03496 90542 12536 26491 10270
14109 04011 19874 55118 53804 40393 57402 78062 04549 60958
51176 61936 44506 96570 35916 26112 06502 51571 87136 68781
13610 13706 46358 21790 62016 88326

Attention (message repeated) Out

18168 kHz, 17-10/19-10, 0845 UTC

159/26 Attention

91262 67365 77820 74919 28840 97080 97079 86495 52177 50329
95613 88741 30119 61546 34046 54412 83843 15002 41726 74432
54599 24946 75006 92682 65796 43067

Attention (message repeated) Out

9951 kHz, 17-10/20-10, 1000 UTC

305/34 Attention

10065 85930 81794 47558 85418 81811 74828 78455 95111 54345
31600 56904 92457 00806 55811 19685 35404 71178 89997 94994
92899 46526 48854 00071 53186 22343 08258 66860 64432 02626
44774 06743 41399 72787

Attention (message repeated) Out

4181 kHz, 18-10/21-10, 1910 UTC

394/32 Attention

74668 61476 16878 65378 99684 16370 57468 28050 89587 57947
55434 36879 92420 80209 51626 06416 75643 72002 73465 11014
20502 19484 50673 71065 02636 99830 74143 47230 76773 84911
85365 04808

Attention (message repeated) Out

5737 kHz, 19-10/22-10, 2000 UTC

520/37 Attention

89924 59578 76137 33128 41766 83304 16288 77309 02988 41095
78235 60863 03069 55237 29483 16665 09180 92372 78119 11208
90541 18051 06262 45322 59043 64753 89874 74736 35577 19558
31412 12220 23735 65188 27515 90276 65350

Attention (message repeated) Out

11116 kHz, 20-10/22-10, 1815 UTC

929/35 Attention

93221 23051 40677 66408 43731 31540 35538 89407 65486 02152
24384 56208 81567 78960 28596 93908 47927 40671 62137 97665
53629 51745 77877 00692 96433 74617 15153 28903 53742 08609
96838 76989 44094 89021 75890

Attention (message repeated) Out

4505 kHz, 21-10/22-10, 1530 UTC

364/37 Attention

33224 54030 00552 08064 91424 36682 60310 30414 34572 43932
10491 94182 82860 57214 68805 09043 46648 45101 41657 62757
14524 82785 23908 79002 80646 43019 83247 67583 40399 18780
29657 72779 48174 63558 65892 07037 92013

Attention (message repeated) Out

10213 kHz, 23-10, 0745 UTC

10330 kHz, 26-10, 1530 UTC

264/32 Attention

56767 64199 62907 61942 76061 39255 48654 24464 88554 45336
97431 05029 18779 22872 06318 23162 39360 34485 52118 25999
24412 74218 75159 87589 26527 78091 80552 96116 70749 43688
02383 17716

Attention (message repeated) Out

12202 kHz, 23-10, 0845 UTC

710/32 Attention

79662 38354 11067 18131 92752 26269 77983 51420 01828 81209
39202 08956 55251 86281 96544 96935 12057 25377 98695 08249
94210 97570 35611 90980 80498 91077 70183 53712 15688 27719
98628 37922

Attention (message repeated) Out

5371 kHz, 23-10/26-10, 1300 UTC

313/31 Attention

02761 13396 44403 64456 16780 52045 99991 61693 69235 37582
72810 90080 52731 90753 26540 38054 56855 51344 17723 46104
43881 85624 19002 53040 26196 24521 80423 08143 34415 37979
44241

Attention (message repeated) Out

8180 kHz, 24-10/27-10, 0700 UTC

574/31 Attention

61196 91051 22848 68451 31019 26995 01163 61330 42610 23515
10438 43981 67335 29537 60509 74411 85118 92336 05576 89367
73967 77232 14821 17681 63664 90452 46526 64059 71564 70507
03954

Attention (message repeated) Out

9399 kHz, 24-10, 1205 UTC

469/37 Attention

81640 47537 74360 07983 94540 94172 65882 22086 76210 97840
25212 87604 01986 49579 26404 64758 31381 90960 24507 91359
72521 78400 72805 61553 92347 72745 04727 87237 32392 94581
07509 60103 13046 90946 32006 90395 45622

Attention (message repeated) Out

5176 kHz, 24-10/29-10, 1605 UTC

235/32 Attention

99024 74796 33093 73733 36011 74456 17616 32744 46214 87766
36757 62711 04203 91792 89323 17594 25058 93547 60768 83933
48558 12807 47074 11714 54300 86185 35925 04105 62188 19464
66290 50716

Attention (message repeated) Out

12202 kHz, 25-10, 0845 UTC

710/32 Attention

69662 38354 11067 18131 92752 26269 77983 51420 01828 81209
39202 08956 55251 86281 96544 96935 12057 25377 98695 08249
94210 97570 35611 90980 80498 91077 70183 53712 15688 27719
98628 37922

Attention (message repeated) Out

6940 kHz, 25-10/26-10, 0930 UTC

276/34 Attention

21928 22732 10184 50922 30733 48619 24864 32700 77339 15448
39905 52376 10294 37054 02184 21006 76323 62402 20244 84884
67777 49461 94083 64589 02050 69888 06442 24859 83835 24389
19386 43739 08950 77253

Attention (message repeated) Out

9399 kHz, 25-10, 1205 UTC

469/37 Attention

81640 47537 74360 07983 94540 94172 65882 22086 76210 97840
25212 87604 01986 49579 26404 64758 31381 90960 24507 91359
72521 78400 72805 61553 92347 72745 04727 87237 32392 94581
07509 60103 13046 90946 32006 90395 45622

Attention (message repeated) Out

8680 kHz, 27-10/29-10, 0600 UTC

351/36 Attention

25261 10952 80694 21820 32816 72192 88087 12933 54599 56960
60932 00690 22572 44598 19581 05255 09561 85653 54868 48945
40681 23216 70305 95044 99134 65173 23315 49945 01339 12228
46435 23530 46351 25041 46461 01538
Attention (message repeated) Out

S06

15674/12203 kHz, 04-10, 1325/1425 UTC. S06b

583 706 2
66666 00056
706 2
583 291 46
24225 54929 94829 70017 68261 15353 76964 74809 33007 94090
01092 24484 10861 52146 42223 19083 01904 64306 21243 72768
00656 96698 11445 40259 96996 55152 99068 13287 27189 84037
96288 79251 35932 20298 30069 59281 35385 32326 55344 67870
72107 98406 65950 61282 37845 28713
291 46 00000

15674/12203 kHz, 05-10, 1325/1425 UTC

583 291 46
24225 54929 94829 70017 68261 15353 76964 74809 33007 94090
01092 24484 10861 52146 42223 19083 01904 64306 21243 72768
00656 96698 11445 40259 96996 55152 99068 13287 27189 84037
96288 79251 35932 20298 30069 59281 35385 32326 55344 67870
72107 98406 65950 61282 37845 28713
291 46 00000

Pacific net

11616/9322 kHz, 02-10, 0400/0420 UTC

480 729 53
19563 29743 49295 18167 82373 49054 67753 98012 09510 74963
01861 58444 96588 12192 83400 74267 72097 50511 72918 81686
59421 93640 97976 38313 20613 96841 34860 00451 86588 36640
50931 03612 03432 61107 49810 57184 49505 94156 86581 89201
03043 92270 45204 02152 64926 77118 95316 25746 66318 92475
70626 77616 15850
729 53 00000

11616/9322 kHz, 03-10, 0400/0420 UTC

480 653 70
75111 13171 50203 93308 44745 37567 85271 93749 70788 78660
03615 42314 60268 71360 53676 25734 44380 34317 17067 68825
06072 51582 35602 63464 93661 84444 89233 51953 06424 43124
73281 06968 36093 73027 48433 75282 89210 35225 61928 77441
84253 85876 63371 80582 54493 84244 63613 86591 22511 84029
10134 02771 49310 87683 77371 87221 29964 68398 95425 86118
48736 89462 65577 05064 04613 75666 36066 81715 43181 16444
653 70 00000

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

No transmissions.

11616/9322 kHz, 05-10, 0400/0420 UTC

No transmissions.

11616/9322 kHz, 06-10, 0400/0420 UTC

No transmissions.

11616/9322 kHz, 09-10, 0400/0420 UTC

480 127 56
97601 00264 75985 84375 88721 14947 56053 74114 65182 39886
12974 15058 27670 21556 69335 46194 76379 62174 17445 10187
05269 09730 63244 41700 87430 03585 48055 44877 06262 49081
15347 95928 12122 19577 14710 31747 09172 09379 60222 10493
02065 85974 85403 55099 57201 15035 61926 15620 58215 56589
74302 11357 60382 55848 67696 38717
127 56 00000

11616/9322 kHz, 10-10, 0400/0420 UTC. (Note: Group 1 and Group 70 are identical.)

480 956 70
15150 32574 88952 99101 25916 39283 22354 42649 12584 48426
02845 97771 95589 70648 51001 79149 32304 87608 74118 93243
29995 85519 77645 14257 19427 91906 92750 40677 81294 26536
74675 05817 42680 02427 51581 40793 85711 37909 28574 13393
35618 65652 76586 91244 70370 49599 60816 02755 19084 45751
88400 94228 41383 67741 80015 06622 04914 43124 95091 20358
03180 71331 65324 41654 80905 19217 16184 28778 59100 15150
956 70 00000

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

480 327 59
53788 78671 07645 76869 77710 45183 72262 48042 12980 13381
46609 57184 98755 07742 71510 75584 02310 93702 94528 17980
56958 11071 55794 65467 45411 34496 09094 64694 64457 40674
76652 95504 31943 46977 61036 42428 21973 31205 62632 84800
39264 47121 76123 54909 68609 15495 64408 19337 60364 95305
33400 37706 37913 04821 56143 58805 38044 67214 19680
327 59 00000

11616/9322 kHz, 12-10, 0400/0420 UTC

480 195 60
20113 39522 34174 76626 65742 75020 62002 35328 96408 10922
38234 19551 30015 27240 90455 79798 56935 40178 96332 62679
76607 53829 85878 40987 41639 49478 31705 83709 01631 73436
31948 89419 63883 09353 15565 31489 13192 45929 24673 88545
57912 75986 53631 58631 94476 87818 49548 80483 07562 34765
03900 10384 48084 93945 89949 28013 56219 50088 25663 69744
195 60 00000

11616/9322 kHz, 13-10, 0400/0420 UTC

480 632 57
52349 74182 25482 01270 44743 50240 70627 23449 98726 39783
37479 58369 01539 19422 86117 66568 31536 34227 83372 64591
58423 42668 46271 35991 67033 79227 73871 84228 90566 64384
15904 69656 64254 16643 51674 97765 35354 46297 77656 50896
90444 35630 27211 80589 85936 35218 70869 02771 92739 31040
70632 62954 91037 62073 86693 63653 76090
632 57 0000

11616/9322 kHz, 16-10, 0400/0420 UTC

480 791 53
99115 48031 72280 60479 04122 00065 15804 36579 85530 54143
33781 26403 44411 47621 48020 89168 02692 94415 24466 11403
52081 23352 33689 53163 03864 20910 33350 04101 88017 20544
83578 04091 75079 05785 31190 08091 19212 19282 23699 99929
45885 95009 39044 84710 32637 55785 41981 14511 56330 43324
03072 27071 05355
791 53 00000

11616/9322 kHz, 17-10, 0400/0420 UTC

480 562 59
91837 64425 17257 45757 09289 53826 44425 29581 04185 86388
93636 87606 54045 33861 19402 46260 35412 75997 80732 76743
60025 25193 83026 98223 59538 93781 33345 47919 04695 33706
57486 60274 69926 03233 52329 22389 79293 40410 71859 97921
94709 47949 70329 36625 32394 19218 50981 11718 18475 60038
93776 52277 19703 85967 60565 62837 10188 99761 01132
562 59 00000

11616/9322 kHz, 18-10, 0400/0420 UTC

480 937 62
62549 88399 93807 34848 01196 19341 70542 96148 33240 64270
53802 30791 74612 24267 31076 11730 42703 34341 92731 92358
87165 61214 39638 38311 17696 35952 15083 80853 39714 06150
34460 59038 33908 77357 11140 42817 40543 78430 01972 54304
34515 80491 20852 29361 02045 24199 93795 86710 54985 34996
53949 96752 43650 31039 99985 67277 54131 53491 66310 88255
01007 73865
937 62 00000

11616/9322 kHz, 19-10, 0400/0420 UTC

480 512 63
62549 88399 93807 34848 01196 19341 70542 96148 33240 94270
53802 30791 74612 24267 31076 11730 42703 34341 92731 92358
87165 61214 39638 38311 17696 35952 15083 80853 39714 06150
34460 59038 33908 77357 11140 42817 40543 78430 01972 54304
34515 80491 20852 29361 02045 24199 93795 86710 54985 34996
53949 96752 43650 31039 99985 67277 54131 53491 66310 88255
01007 73865 74846
512 63 00000

11616/9322 kHz, 20-10, 0400/0420 UTC

480 367 58
93760 47862 48457 71328 57443 33269 95910 37916 73230 07589
50180 51439 95748 14924 61642 88064 02304 99102 10942 33513
08964 52845 98561 49646 97286 20145 00505 71634 93878 62820
44780 09121 69974 27155 88368 49826 53222 71580 99377 89038
68843 41324 74044 33415 52497 00978 43302 52534 01611 60900
48577 76650 58069 58418 91514 64065 38747 79742
367 58 00000

11616/9322 kHz, 23-10, 0400/0420 UTC

480 951 62
46887 89106 99305 56565 53040 05452 38514 87979 26701 55442
90548 26832 55678 80437 48806 48099 29765 78999 29020 20062
13494 64380 25449 29035 88505 70154 07798 07702 13997 46185
69798 21756 78664 12111 65377 94529 42599 60537 93374 74293
92544 27122 16724 73928 58989 69743 27042 37638 68499 23943
90577 14409 29747 26814 36433 42889 76672 26546 73011 77384
17207 19796
951 62 00000

11616/9322 kHz, 24-10, 0400/0420 UTC

480 237 58
57574 00186 16586 45683 03623 65496 10167 07221 71972 72943
87916 58609 42396 93932 44537 36706 90956 42638 95208 13970
37728 83367 56173 20128 48912 09904 85188 63174 35542 07754
36520 23108 15948 35246 10183 16870 34185 84411 00100 57907
51606 07591 70883 58804 53762 20702 17910 50415 39827 19097
90381 15943 86724 66965 82073 63392 05157 46203
237 58 00000

11616/9322 kHz, 25-10, 0400/0420 UTC

480 691 51
21895 29024 60791 61004 97778 29373 96779 60106 28825 61021
30735 76726 87462 38423 71533 13234 50449 44955 08979 58271
34121 02902 32497 23983 99269 91590 90554 86850 74087 55855
01733 86836 68609 72024 53409 64508 79104 63610 48963 40843
05846 83898 89461 69393 32689 07614 00753 15507 41912 98859
41906 42281
691 51 00000

11616/9322 kHz, 26-10, 0400/0420 UTC

480 523 60
10305 29015 34926 24922 95415 66866 26199 94021 17776 28894
17065 99934 44987 51914 60616 28207 80240 04191 34771 26420
26367 99470 81190 42496 96089 41972 98966 36918 91901 19518
79045 98571 04003 87002 90304 18882 99755 07374 53224 03945
03066 42327 62103 29326 87154 09896 41739 67232 29138 51112
49522 40726 99870 72952 58878 84681 87469 59726 84991 18167
523 60 00000

11616/9322 kHz, 27-10, 0400/0420 UTC

480 716 53
56539 31466 16433 18070 60869 25975 22329 59506 53897 50727
96005 36736 80678 69743 26289 12527 23197 08636 94744 37156
20108 72090 56793 22763 82287 40334 17855 92810 83862 43064
96696 67577 33423 34240 93177 71620 55095 16204 02569 74148
34162 86545 43654 98248 06931 06162 92775 59890 99514 11951
41034 22658 45240
716 53 00000

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

480 592 61
38982 08102 57830 71689 14845 63811 19040 94459 29381 25365
98417 85617 37680 35177 17873 78914 04475 71772 19324 05392
67272 09180 80406 65713 66763 12749 12325 13141 30463 01088
88262 89343 20508 28790 75796 80228 81544 69660 71754 83977
49666 05109 62953 08473 08309 47415 61248 40315 02069 52535
86342 52600 44356 02156 94781 43664 79847 59664 78584 23962
87646
592 61 00000

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

480 763 51
99734 26141 17991 65240 10934 58911 82824 79746 62395 47114
59452 46729 45343 46057 95395 33655 21396 60293 70713 02321
82033 34699 22168 73424 90193 56203 20610 57246 52433 08346
12523 05134 95092 45858 61673 61472 42907 81445 51784 20833
23488 01973 36190 19981 46127 53221 45399 19438 28356 81423
88501
763 51 00000

Test transmissions

11073 kHz, 13-10, 1010 UTC

352 (spaceless callup, R5m25s) [42s silence] 352 (normal callup, R1m10s)
98764 23960 07626 27009 17313 01332 36671 78381 80974 33986
73535 39958 21534 32096 00319 53377 77823 18019 44790 12431
68588 09388 89628 78052 11164 31221 26693 18395 65625 55462
48492 34949
974 32 00000

11073 kHz, 15-10, 1121 UTC. 1200Hz test tones then S06 "352" once

11073 kHz, 15-10, 1130 UTC

352 (R4m) 479 30

31973 82732 23458 32647 86009 12992 89096 02370 91394 69391
46490 06456 98103 37718 79140 10239 46927 67613 38645 63676
22498 31427 07731 60259 66560 84346 69630 27653 49942 17977
479 30 00000

10755 kHz, 15-10, 1828 UTC. 1200Hz test tones then S06 "975" once

10755 kHz, 15-10, 1840 UTC

975 (R4m) 812 60

05429- [2s silence] 9 64801 34059 43400 35867 04481 91278 30547 11519 55673
78600 57447 64955 54940 22358 48418 56023 67796 56552 80571
[20s silence] 975 (R30s) [1m12s silence] 975 (R1m10s)
22358 48418 56023 67796 56552 80571
80798 02234 34200 59292 42745 33272 93851 69602 03277 24488
10983 51837 53887 57450 88925 75075 77060 05008 69044 06765
88136 09357 64840 01974 75316 50837 49657 60706 80004 18379
52703 26726 84668 17561 43048 26320 00408 77188 06305 70440
812 60 00000

Full recomposed message:

975 812 60

05429 64801 34059 43400 35867 04481 91278 30547 11519 55673
78600 57447 64955 54940 22358 48418 56023 67796 56552 80571
80798 02234 34200 59292 42745 33272 93851 69602 03277 24488
10983 51837 53887 57450 88925 75075 77060 05008 69044 06765
88136 09357 64840 01974 75316 50837 49657 60706 80004 18379
52703 26726 84668 17561 43048 26320 00408 77188 06305 70440
812 60 00000

Note from PY:

I found 7 tests transmissions on October 17th, and interesting ones: M14 used a faster pace than usual, one S06 had unusual modulation with poorly suppressed LSB, and the other S06 was a null, with an extra stray "00000" group at the end; it also made me think of the S06g null format.

10755 kHz, 17-10, 1229 UTC. 1200Hz test tones then S06 "975" once

10755 kHz, 17-10, 1240 UTC. Note the extra nulls

975 975 975 00000 (R4m12s) 00000

11073 kHz, 21-10, 1610 UTC. 1200Hz test tones then S06 "352" once

11073 kHz, 21-10, 1621 UTC

352 (R4m17s) 841 60

01734 18413 32218 83097 20806 21137 82951 23799 66804 00225
06973-
[40s silence] 352 (R1m35s)
66804 00225
06973 02344 29372 50447 85927 40904 64059 48069 68684 96591
95272 84333 32535 36211 33772 71709 08164 29859 88410 21330
60574 24303 76794 15049 43159 82090 64559 20576 67104 97310
87950 23114 53312 23959 39384 71929 59028 77836 20692 65309
96370 97918 93720 22333 84931 78139 82991 14898 05654 05516
841 60 00000

Full recomposed message:

352 841 60

01734 18413 32218 83097 20806 21137 82951 23799 66804 00225
06973 02344 29372 50447 85927 40904 64059 48069 68684 96591
95272 84333 32535 36211 33772 71709 08164 29859 88410 21330
60574 24303 76794 15049 43159 82090 64559 20576 67104 97310
87950 23114 53312 23959 39384 71929 59028 77836 20692 65309
96370 97918 93720 22333 84931 78139 82991 14898 05654 05516
841 60 00000

9463 kHz, 23-10, 1142 UTC. 1200Hz test tones then S06 "801" once

9463 kHz, 23-10, 1150 UTC, S06e

801 (R4m) 376 24

63425 38273 48978 56451 46563 01046 18854 88913 39447 93995

04696 15657 21292 46094 90782 30218 95493 27903 72871 01107

28217 63290

[17s silence] 801 (R1m)

95493 27903 72871 01107

28217 63290 10515 02127

376 24

801 (R1m) 549 36

12019 99695 99701 59819 45738 51433 32589 [2s silence] -87749 65251 60312-

[silence] [recording interrupted, 7 minutes of transmission remaining]

Partial recomposed messages:

801 376 24

63425 38273 48978 56451 46563 01046 18854 88913 39447 93995

04696 15657 21292 46094 90782 30218 95493 27903 72871 01107

28217 63290 10515 02127

376 24

801 549 36

12019 99695 99701 59819 45738 51433 32589 87749 65251 60312

S06c

14971 kHz, 25-10, 1625 UTC

11186 (R4m)

14971 kHz, 25-10, 1635 UTC

11186 (R4m)

12124 kHz. 25-10, 1645 UTC

11186 (R4m)

S11a

21854 kHz, 04-10/06-10, 0725 UTC

380/31 Vnimanije

82742 79277 12517 45363 15912 07052 46113 16659 17123 64010

31750 45923 92342 07074 44553 07868 99668 19428 04125 80994

65020 78567 15907 32854 09333 78766 58622 53956 39349 82638

32791

Vnimanije (message repeated) Konets

6433 kHz, 07-10/08-10, 0830 UTC

370/34 Vnimanije

62574 08012 59887 35282 25063 40630 46273 91940 82187 70760

94002 42661 81501 20990 04573 69830 86874 63434 82529 86515

67644 29078 68839 24309 35840 45015 20936 96726 59782 07442

34184 72042 60797 72919

Vnimanije (message repeated) Konets

8597 kHz, 09-10/12-10, 0700 UTC

476/39 Vnimanije

38851 50817 77434 56312 08977 20270 37276 21853 66496 53622

00689 07527 89392 79191 43775 75665 58093 64249 55297 47022

07775 12779 97734 04193 32929 44729 00201 75941 69305 52294

87676 82142 29849 88045 75696 69474 77424 76646 37886

Vnimanije (message repeated) Konets

10728 kHz, 10-10/12-10, 0445 UTC

799/35 Vnimanije

55607 16240 25620 71700 07786 22696 87225 14566 32040 63518
65145 60202 48180 31563 70892 75898 97739 26931 04251 93489
89481 93389 44659 62125 09432 33680 92766 99191 64669 29610
53779 25123 16219 85877 42133

Vnimanije (message repeated) Konets

23004 kHz, 16-10/18-10, 0510 UTC

650/39 Vnimanije

85644 36923 67415 40361 31258 52921 32742 35595 86831 04488
01103 95203 58557 87698 20583 77357 13062 45818 67816 07565
64049 98255 66567 53878 40456 83231 14523 80276 74115 89913
67045 54202 98084 80912 29076 26548 09270 34135 47989

Vnimanije (message repeated) Konets

6480 kHz, 23-10/27-10, 0915 UTC

483/34 Vnimanije

75375 90385 99740 48457 37654 65320 39806 70251 69254 78996
33702 98419 12172 78730 23930 83783 00418 86194 42637 92626
79132 71378 61937 41085 78817 25665 17193 36886 11661 01297
49646 31244 28011 19010

Vnimanije (message repeated) Konets

11420 kHz, 24-10/27-10, 1400 UTC

422/36 Vnimanije

28355 64136 55706 92192 23026 97927 37642 23173 70894 12483
63027 73269 08514 84556 62661 50664 96719 75922 63675 27156
81305 68748 91755 81537 54632 30544 87397 44375 37140 28481
83089 25789 80443 10294 94423 10378

Vnimanije (message repeated) Konets

10213 kHz, 25-10/28-10, 1850 UTC

287/31 Vnimanije

00051 64692 89692 48926 86019 90330 91386 85547 10717 53620
86174 22083 43614 10143 59146 45424 26298 57109 08047 07749
65211 84495 48917 36411 91238 95844 43945 90947 96728 13049
01596

Vnimanije (message repeated) Konets

V07

18217 kHz, 08-10, 0200 UTC

238 238 238 1 364 99 364 99

67120 95278 55541 09387 28775 86988 72269 37526 34694 53355
43395 59007 39525 06884 06084 73008 90881 42464 41280 63894
90276 16675 51121 16375 45050 86779 55417 59765 41097 26673
88400 03131 23899 97080 44272 84727 94081 40657 68958 71109
38594 89497 23024 10556 99659 93810 52316 60243 23624 98533
77153 34233 05931 04055 16459 69757 93180 55379 64565 11061
53755 95131 16682 83151 35972 79156 06235 14890 30739 17524
65313 73220 12668 56802 15887 18531 35959 06437 19172 20357
98674 42197 55527 23147 89994 28186 38244 24424 55212 40030
74123 93093 46092 64079 02263 40422 52094 73016 00788 000 000

18217 kHz, 15-10, 0200 UTC

238 238 238 1 8367 125 8367 125

27462 68317 56914 87867 56545 36495 06070 06271 17033 26006
04292 41486 36555 90261 48778 48807 23043 17628 86348 75830
21676 14733 81093 64832 64962 71556 98186 65755 40035 19382
20880 03233 32889 97437 91566 33855 31020 29271 82670 96374
45543 71012 36258 90605 52431 81097 03804 81464 33466 15083

29047 66237 54140 66877 19265 34022 41964 06738 72767 98832
59949 23282 10081 00126 50519 80868 71305 43258 96939 26135
40212 10780 30798 24298 99705 25458 88626 19819 69231 24000
47763 29964 79239 55556 22190 51058 03053 50550 53712 80900
56033 01391 90356 42113 64120 81317 28737 69041 05889 31299
42641 44751 43745 41562 18758 54272 51216 21333 41364 73072
87814 50001 35133 87026 48589 71354 75027 07244 54517 82186
16847 17649 02268 39540 89561 000 000

18217 kHz, 22-10, 0200 UTC

238 238 238 1 719 59 719 59
41316 55917 09428 43681 86788 79659 06112 82750 97856 26817
53513 43713 76958 70087 17067 52149 63036 31966 71930 87747
79973 61274 07846 93147 42126 11454 52060 39832 51789 71314
76267 27438 54899 36303 89792 13300 67336 24254 48575 81612
71779 92873 95248 82090 85567 76638 55304 32451 31242 16905
88730 79838 24103 18515 90860 07568 88574 40685 31481 000 000

18217 kHz, 29-10, 0200 UTC

238 238 238 1 695 87 695 87
21631 29781 49905 71966 71488 54152 37339 49117 08277 98261
67332 90855 38749 63788 45405 21253 80031 12910 57491 87269
95256 56863 23682 16953 27500 79172 26285 46443 86288 94125
63503 84238 21446 31093 55755 35693 97553 77742 35810 73289
30981 50055 61432 19828 98123 24614 66250 32702 18456 98713
23528 93728 35634 85628 78512 23894 50965 86625 90647 40182
50711 56913 40370 81159 71846 79723 24804 29499 20501 46086
74576 98888 83813 08418 01171 79390 41782 40447 49406 02714
39592 29263 40676 06733 91611 80228 91935 000 000

V28 - 앵무새 Aengmusae (Parrot)

4947 kHz, 06-10, 2202 UTC Parrot
5487 kHz, 06-10, 2202 UTC Parrot

MORSE STATIONS

M01

6590 kHz, 01-10, 0700 UTC. Usually on 6510 kHz

463 702 702 30 30 = =
00011 93847 81004 81900 94019 04661 92857 91040 81711 99333
92019 88227 01770 91100 77446 83560 92001 85633 78822 88195
91886 02399 71050 85610 06540 96596 91739 00446 88579 40400
= = 702 702 30 30 000

5475 kHz, 03-10, 1800 UTC

463 492 492 30 30 = =
23478 65712 78435 90546 12678 89768 56654 34876 89321 67543
78234 89123 56876 34543 23654 87123 90789 56234 78456 78345
67543 23789 56414 67843 89034 56098 12765 78432 67321 56123
= = 492 492 30 30 000

5020 kHz, 03-10, 2000 UTC

463
34876 45654 67432 89021 56743 78342 78921 45632 78987 32456
56321 89065 45876 23876 12987 43654 78321 89456 903x5 78321
56321 34578 65098 43887 32176 09834 76521 78543 89654 90345
= = 843 843 30 30 000

5475 kHz, 05-10, 1800 UTC

463 661 661 30 30 = =
33771 76543 90909 77685 12312 46574 00345 70001 60543 88554
10101 22003 65432 88112 98987 45453 64732 56574 47743 12312
88473 90909 90987 99877 50654 37465 12345 99667 44773 90088
= = 661 661 30 30 000

5080 kHz, 05-10, 2000 UTC

463 936 936 30 30 = =
12312 34534 77556 84756 90909 22441 68707 90987 12312 90087
44553 56789 77564 90987 00776 30312 50543 65004 11002 10123
22663 87654 90909 70765 55432 12345 00550 88473 99876 46574
= = 936 36 30 30 000

6260 kHz, 07-10, 1500 UTC

463 598 598 30 30 = =
34765 12876 45901 21098 54789 45654 34567 87321 78432 67012
34380 23567 12098 45321 78456 78432 56321 78345 78123 87609
34678 32098 45321 56123 89543 90354 78098 45612 79832 90543
= = 598 598 30 30 000

6510 kHz, 08-10, 0700 UTC

463 671 671 30 30 = =
56123 90345 34789 89043 56879 34132 78765 89432 67012 78345
45798 12567 34098 76234 87123 90567 87321 89876 90543 89234
67123 54765 87901 54876 45901 23789 43276 56432 78921 90654
= = 671 671 30 30 000

5475 kHz, 10-10, 1800 UTC

463 360 360 30 30 = =
41565 42565 43565 44565 45565 46565 47565 48565 49565 40565
51565 52565 53565 54565 55565 56565 57565 58565 59565 50565
61565 62565 63565 64565 65565 66565 67565 68565 69565 60565
= = 360 360 30 30 000

5020 kHz, 10-10, 2000 UTC

463 630 630 30 30 = =
11565 12565 13565 14565 15565 16565 17565 18565 19565 10565
21565 22565 23565 24565 25565 26565 27565 28565 29565 20565
31565 32565 33565 34565 35565 36565 37565 38565 39565 30565
= = 630 630 30 30 000

5475 kHz, 12-10, 1800 UTC

463 957 957 30 30 = =
00041 82918 92855 01994 92855 91059 91855 39200 91857 76677
80031 74818 95849 01100 04005 93059 33715 85744 81740 81100
85719 85504 (92719) 32719 82775 91005 91748 91850 30029 01990 71000
= = 957 57 30 30 000

5080 kHz, 12-10, 2000 UTC. The first group consisted of only 4 digits.

463 302 302 30 30 = =
0040 91850 02955 91804 71622 85611 95881 85711 94700 83854
99117 36172 95881 05004 98566 81775 66599 91882 00550 99681
88551 85771 94958 99118 74002 81755 91095 01958 88588 04000
= = 302 302 30 30 000

6260 kHz, 14-10, 1500 UTC. Different repeats in red

463 610 610 30 30 = =
01565 02565 **05650** 03565 04565 05545 **05565** 06565 07565 08565 09565
11454 **0111454** 12454 13454 14454 15454 16454 17454 18454 19454
10454 21454 22454 23454 24454 25454 26454 27454 28454 29454 20454
= = 610 610 30 30 000

5020 kHz, 17-10, 2000 UTC

463 202 202 30 30 = =
12323 34533 90909 78765 78978 77665 04553 37465 90909 03215
04657 12311 10101 00234 60066 90098 76543 89898 44663 12345
98765 90909 67675 33557 88331 98765 11123 22345 56345 87564
= = 202 202 30 30 000

5475 kHz, 19-10, 1800 UTC

463 892 892 30 30 = =
12898 13898 14898 15898 16898 17898 18898 19898 10898 11898
21898 22898 23898 24898 25898 26898 27898 28898 29898 20898
31898 32898 33898 34898 35898 36898 37898 38898 39898 30898
= = 892 892 30 30 000

5080 kHz, 19-10, 2000 UTC. Different repeats in red

463 736 736 30 30 = =
71766 72767 73767 74767 75767 76767 77767 78767 79767 70767
81767 82767 83767 84767 87767 85767 86767 87767 87667 88767 89767 80767
91767 92767 93767 94767 95767 96767 97767 98767 99767 90767
= =736 736 30 30 000

6510 kHz, 22-10, 0700 UTC. Error in red

463 337 337 30 30 = =
55755 45674 34534 90909 67675 12312 87654 36325 77654 98765
12345 45453 67687 90909 78654 76765 38219 90654 04356 12345
77584 333 664 33366 44466 37218 99473 55682 88474 94321 90987 55667
= = 337 337 30 30 000

5475 kHz, 24-10, 1800 UTC. Messy end

463 942 942 30 30 = =
31565 32565 33265 34565 35565 36565 37565 38565 39565 30565
41565 42565 43565 44565 45565 46565 47565 48565 49565 40565
51565 52565 53565 54565 55565 56565 5 5655 585 586559565056450
= = 942 942 30 30 = 000

5020 kHz, 24-10, 2000 UTC

463 391 391 30 30 = =
40343 49343 48344 47343 46343 45343 44343 43343 42343 41343
50343 59343 58343 57343 56343 55343 54343 53343 52343 51343
60343 69343 68343 67743 66343 65343 64343 62343 63343 61343
= = 391 391 30 30 000

5475 kHz, 26-10, 1800 UTC

463 774 774 30 30 = =
55743 11223 98765 50543 30345 90909 76765 88432 33044 90987
12312 46432 68685 98765 39485 50543 55004 22002 81716 98574
90909 50567 99443 11123 00987 40456 24321 54364 66743 99876
= = 774 774 30 30 000

5080 kHz, 26-10, 2000 UTC

463 915 915 30 30 = =
12312 90909 98765 55774 33721 12345 89897 00221 58674 98765
90987 10123 40432 76543 66442 78765 56473 90098 57432 12312
78786 99664 33000 33921 76543 44553 90909 78695 11100 20220
= = 915 915 30 30 000

6260 kHz, 28-10, 1500 UTC

463 280 280 30 30 = =
11121 12121 13121 14121 15121 16121 17121 18121 19121 10121
21121 22121 23121 24121 25121 26121 27121 28121 29121 20121
31121 32121 34121 35121 36121 37121 38121 39121 30121
= = 280 280 30 30 000

6510 kHz, 29-10, 0700 UTC

463 802 802 30 30 = =
41121 42121 43121 44121 45121 46121 47121 48121 49121 40121
51121 52121 53121 54121 55121 56121 57121 58121 59121 50121
61121 62121 63121 64121 65121 66121 67121 68121 69121 60121
= = 802 802 30 30 000

5475 kHz, 31-10, 1800 UTC

463 375 375 30 30 = =
45453 37212 90987 50505 30321 60678 67675 98765 33552 12312
90909 98907 80876 09543 34342 76585 30033 10012 80765 98765
33882 83832 77866 90909 00774 80054 10023 10230 45453 57586 98765
= = 375 375 30 30 000

5020 kHz, 31-10, 2000 UTC

463 401 401 30 30 = =
12312 10101 66885 90909 34567 22771 90987 70765 33884 98765
90987 00554 99112 33882 90987 56564 23423 76543 10101 20045
90065 87876 45453 36364 60654 20345 12345 67675 99007 6443
= = 401 401 30 30 000

M12

20168/19468/16268 kHz, 1400/1420/1440 UTC

20168/19468/16268 kHz, 02-10/05-10, 1400/1420/1440 UTC

142 142 142 1 503 89 503 89
93270 26446 89210 17511 39486 33765 46542 58447 98263 48188
36267 36516 87179 18286 25352 96483 49543 70335 20923 65747
31554 63369 22762 76487 71063 79540 64806 32561 42968 05170
54170 04853 85309 33093 17456 20809 66248 15120 08898 33696
65399 14162 39123 87727 03055 08357 91027 88363 02185 57098
80459 96834 27512 83002 99629 91932 86614 46284 90416 62745
35930 09916 61379 74488 02584 60000 74854 47710 71704 11555
28036 42082 86335 38919 81213 90654 77089 19499 57303 18293
57826 25183 09558 93710 22146 60478 93956 63781 87684 000 000

20168/19468/16268 kHz, 16-10/19-10, 1400/1420/1440 UTC

142 142 142 1 202 94 202 94
56121 49633 55785 79901 69141 06668 78911 79205 85964 20009
26201 44532 78704 10892 95788 23856 85099 40729 52853 15428
81821 56421 12098 65027 38029 89937 40408 60227 11981 92213
91260 38359 25152 70821 52987 45332 07659 08488 57973 16942
03206 38799 58935 69405 04102 50018 75523 06124 89307 48286
12249 72789 17293 03432 55900 39335 99190 06527 74811 19549
98329 99443 77759 96561 53240 35225 61191 25932 77933 52906
14469 12289 00648 09963 56337 57694 16114 83703 32874 65503
13243 57926 11385 81359 71115 30095 08445 69971 66702 90328
32937 50232 39457 53870 000 000

20168/19468/16268 kHz, 23-10/26-10, 1400/1420/1440 UTC

142 142 142 1 199 99 199 99
64267 14308 59753 44360 01333 52072 02641 86153 82804 43023
67966 98045 22369 66016 78723 71418 54632 62345 24848 88706
91485 72715 07566 53998 64147 01646 11334 27874 17793 64046
03673 85032 02610 52178 90259 06119 54072 50407 48465 47151
98791 45260 60714 48459 55566 94483 80007 86501 22983 50076
45073 49080 84987 74096 44513 41279 92804 43154 95273 49779
81867 74762 60964 21804 15751 59265 40845 89116 46835 93784
54747 97590 40399 84934 42288 92548 97687 57605 48559 45411
81989 32959 44012 56548 34841 10132 72081 25287 73598 88795
01678 82817 32796 03268 82565 24603 21316 37924 23961 000 000

10318/9218/8118 kHz, 2000/2020/2040 UTC

10318/9218/8118 kHz, 02-10/05-10, 2000/2020/2040 UTC

178 178 178 1 9960 79 9960 79
61055 65230 13552 56865 15367 40600 34943 11178 48255 72480
29074 43624 55647 26593 53340 80782 50796 89470 15923 10436
75650 27957 04302 33755 37712 66512 89367 35628 03671 91998
36366 49399 53250 33635 06746 22283 13927 80846 77742 90851
55132 82768 46315 04197 21320 18392 93962 31995 61813 70166
39864 80897 34926 37543 90246 78145 64757 87925 81790 24585
42668 60101 64302 94465 15397 13751 94502 75675 05329 56327
44598 74965 31887 23398 64353 65417 72127 53050 35982 000 000

10318/9218/8118 kHz, 16-10/19-10, 2000/2020/2040 UTC

178 178 178 1 460 67 460 67
92590 02998 81779 25391 53648 67120 00522 60938 56903 86080
55201 30473 48742 30126 60203 12629 37025 57055 52636 07075
53729 99023 57203 30669 04995 24550 95466 15824 95500 12470
30548 64629 77036 66304 19882 83482 10620 93791 40393 69728
82814 34326 41177 74420 98551 33258 18042 34792 25118 80462
55053 29049 87827 59191 68018 01502 65411 70391 40622 10732
14968 43948 56733 73185 75214 70379 88171 000 000

10318/9218/8118 kHz, 23-10/26-10, 2000/2020/2040 UTC

178 178 178 1 461 91 461 91
76663 96331 68201 14511 91027 68486 06439 14016 76656 98368
38763 91617 70362 26813 35608 72955 07274 91788 44051 52070
36726 10111 18542 80142 48734 48573 77743 42825 00052 80747
69513 52655 19556 79863 80002 12037 69370 09181 49169 57989
21218 58875 90883 51671 90132 10548 18814 89381 32033 88599
40071 15534 78875 46032 70471 75139 09125 84633 19290 28164
14761 11806 65911 25741 57459 06262 43792 67069 90979 11730
33748 28729 34087 32875 64051 85503 41886 55736 19162 48117
10238 01105 06043 00165 21112 16013 78337 75601 57391 25047
92520 000 000

17441/18641/19241 kHz, 0800/0820/0840 UTC

17441/18641/19241 kHz, 04-10/08-10/11-10, 0800/0820/0840 UTC

462 462 462 1 7283 164 7283 164
70026 42798 84362 84103 17314 42239 90813 30402 76357 92996
82211 62376 43660 39051 71451 86276 69337 98275 76076 43496
36830 94844 44506 53661 54147 81774 16820 60752 62814 28260
50929 93642 69440 94435 77266 50629 47330 42186 36641 94661
37996 66407 11347 55016 48937 20516 52172 80104 98667 59937
44240 05199 25965 64363 95422 79507 80400 23180 43003 21005
55211 02893 99916 07378 84435 75367 90045 29991 08467 52257
06359 58142 04552 77493 22073 34992 21784 57082 44277 77426
00720 57050 99853 50748 62046 23173 24370 58928 45778 39808
22885 25465 96065 71670 67705 81259 23969 68740 55679 71304
44226 63579 86571 65946 72840 44068 40963 63346 73713 60021
99479 84776 23267 00973 53360 87066 79896 02437 41580 59969
33252 73732 70297 27544 35825 38096 15823 80471 52098 04647
37637 13761 70445 77159 69191 55961 88454 57815 53739 27457
88611 12540 85999 55358 84452 53804 45337 80243 29949 74275
21845 03831 81433 78376 66521 07799 39919 46466 68438 31173
97945 45108 48292 28386 000 000

11135/10235/9235 kHz, 1900/1920/1940 UTC

11135/10235/9235 kHz, 04-10/06-10/11-10/13-10, 1900/1920/1940 UTC

122 122 122 1 9479 99 9479 99
87172 39884 19918 03183 46047 33324 87339 32939 24884 65332
70135 33639 38251 19512 95841 15864 27815 40814 46073 31433
24011 52869 95040 34721 17242 78884 88934 18676 61209 43964
77025 79939 85080 49828 05960 99146 91040 32835 36758 86519
44220 18585 33709 98621 89712 25913 10441 84550 38751 88717
71172 01361 80442 04380 89794 22156 53797 04529 21230 81763
32720 83896 22578 96575 96148 91849 19639 27805 23999 37428
87213 97686 49781 17082 07350 28753 25291 31225 54259 60900
94613 21855 10612 71159 60081 83866 32471 49639 68315 79341
54854 28648 73079 64167 33622 88044 84115 87254 46858 000 000

13386/12189/11491 kHz, 1110/1130/1150 UTC

13386/12189/11491 kHz, 05-10, 1110/1130/1150 UTC

725 725 725 1 9291 95 9291 95
73967 22292 43794 25872 42026 03759 15633 13322 67081 28990
16561 53706 84791 96452 91556 61203 24847 49018 86353 20172
63460 00004 30664 45216 95264 28013 60587 90247 38075 70619
67902 00717 10868 35785 33832 15517 21927 80457 82065 30491
22855 29681 45644 00589 30116 03179 00605 03375 93642 36615
24697 10694 97890 48684 77830 93782 46026 64623 96425 15738
40768 56397 83860 26524 91355 03578 46397 39431 91745 57713
49488 36217 20503 29987 32114 84909 35334 41404 76269 85702
68949 17330 97114 67269 04839 60526 36873 45832 67005 94112
13012 10543 12176 29480 08843 000 000

13386/12189/11491 kHz, 12-10, 1110/1130/1150 UTC

725 725 725 1 3612 99 3612 99
51849 24475 23730 34908 38001 73489 00422 14959 10661 49085
14555 70722 99584 28509 95406 31490 82627 64875 17630 14818
53986 60491 66754 63208 70758 29105 82201 03761 50958 49093
82720 55403 69342 34749 35692 71263 29276 65996 88724 66425
02590 26803 33860 77676 84780 58346 06913 03274 07962 50016
90766 54784 32332 74630 44936 15055 58186 09247 66320 74545
03612 50405 04139 40571 82164 80728 70604 12051 04296 14935
78726 81973 43128 07097 20961 39292 30461 82346 02226 63006
34052 69103 88059 39400 84636 07695 99238 90834 80207 22723
68998 97782 83253 85760 31062 71554 80458 10248 22915 000 000

13386/12189/11491 kHz, 19-10, 1110/1130/1150 UTC

725 725 725 1 7558 93 7558 93
03728 42582 98731 78885 31059 38682 25391 25863 47627 01543
42039 92225 65659 45829 99241 64889 12257 04091 96517 80122
43353 40523 44333 33089 95809 34172 53554 79623 08767 52174
49233 95260 08897 09896 47858 07233 02327 60115 26022 19886
63210 70742 13929 74620 97743 76627 09367 70229 53783 86825
63576 86872 14571 29242 72325 60805 07371 73509 12598 08961
84408 30320 87722 30864 84250 47344 80196 63387 60390 34274
00322 41893 66871 76865 97988 81247 94594 86961 45350 91572
76615 20534 28323 10833 16141 44378 66420 38441 71528 51019
83141 05100 86758 000 000

13386/12189/11491 kHz, 26-10, 1110/1130/1150 UTC

725 725 725 1 6287 94 6287 94
53407 52976 63005 32961 47017 64632 63769 17112 37998 28110
29259 73230 16559 25403 50737 67035 82530 71162 84800 61405
63074 11882 02872 81252 14784 02730 52079 42798 63341 56082
59984 26133 84477 72087 54365 70378 42805 63137 80350 18664
35206 05326 13448 65311 41719 50754 94625 90744 09966 56973

54440 17011 98787 66189 68971 41054 81018 40123 19634 12199
84087 75635 07572 78592 54957 62529 10155 31240 93863 43806
37173 45500 59434 95018 66182 25213 33456 49410 86135 09424
83720 76241 82367 24979 91810 94732 31064 05248 87901 53463
59624 64611 38828 72616 000 000

6837/8037/9237 kHz, 0030/0050/0110 UTC

6837/8037/9237 kHz, 06-10, 0030/0050/0110 UTC

802 802 802 1 7694 98 7694 98
89909 13592 86230 57296 87652 05809 50953 77896 04778 03738
82802 30855 70810 91132 36472 72575 73314 22391 32698 65676
96415 50693 47558 73174 57040 76705 25696 80569 68503 28749
12113 94545 07538 47994 20040 21562 88485 21565 74753 43771
65702 29581 52979 90261 67861 85320 66776 63679 56924 78286
96075 81216 04637 58154 04258 66939 30479 35274 99944 32482
83324 52000 68999 86539 37448 33140 95294 64147 38523 69764
91544 31108 12839 43414 70252 55929 84797 27083 44443 87115
65918 45511 17889 93237 74019 61700 19427 54362 80262 91784
54362 26799 55484 24924 15564 58184 90173 93112 000 000

6837/8037/9237 kHz, 17-10/20-10/24-10/27-10, 0030/0050/0110 UTC

802 802 802 1 5203 125 5203 125
00241 07213 02875 51503 09232 47299 57939 39051 77008 14528
65004 25539 02030 78519 73092 87307 34842 79979 05928 59868
95376 73307 47030 16665 68705 80894 59493 73499 84206 53230
10251 24097 48537 76550 59423 82715 10958 49293 87900 54528
52296 75435 44211 75082 08711 26679 70959 78407 04590 34038
34522 02833 37486 03991 33212 26181 12568 58536 62202 54850
08118 82031 60627 70899 42098 21392 11563 53682 37714 34314
00091 95553 80638 95586 02553 08617 15469 62046 09755 08456
77767 97862 00683 55918 41980 64115 74008 37576 05274 52027
88154 06445 66064 69310 21938 29952 46619 19403 72596 49139
33740 70450 94860 91452 26293 51917 21283 30419 80751 12960
71193 55700 22116 40913 28957 09847 17561 09332 18550 97610
31780 25067 09955 05386 24846 000 000

10518/12218/13518 kHz, 0600/0620/0640 UTC

10518/12218/13518 kHz, 11-10/14-10/18-10, 0600/0620/0640 UTC

525 525 525 1 490 129 490 129
35910 58006 81143 32773 49260 83894 29434 91518 95617 93313
30240 21984 53059 51276 44563 85265 60929 59143 64156 29266
92199 44960 82106 80112 13178 78021 46101 75473 52564 73788
76491 76931 42548 27532 42980 52631 48491 99314 38271 45070
48714 56007 49307 07393 83628 57679 04212 13782 31395 49573
68868 74906 89910 54641 13137 92782 26270 42600 58872 59625
15847 54336 58911 89520 10707 22157 00894 06706 38158 33579
49950 82239 57885 69666 51867 98783 01739 64699 29332 87490
72150 48414 27327 39748 66100 28984 81973 44826 67385 89565
23696 26152 20570 05974 41260 04608 59059 23610 16894 53237
24279 50774 02097 79771 87456 20752 22638 09532 56475 86465
05886 54073 44546 71486 27051 96052 47990 50880 15759 70356
32658 34799 24058 84652 57872 50481 08266 78751 60899 64246
81661 45281 21208 27579 71984 43143 81458 98039 06425 000 000

11435/10598/9327 kHz, 14-10, 1800/1820/1840 UTC

938 938 938 1 7721 71 7721 71
20681 88299 54731 21149 11660 24187 26774 21345 40827 13004
02050 04979 47327 87998 18694 12499 93147 95174 81550 76659
43123 26108 79089 05957 25259 92187 56995 51915 34086 91759
17176 81623 95333 10123 86703 85399 85586 84126 45675 80754
99411 49048 28725 49565 68859 30044 77740 80371 83744 58311
85097 00927 49690 50217 46856 31413 46835 27870 71196 97738
56147 27424 96783 81237 72419 24897 53028 74363 52520 13267
84451 000 000

11435/10598/9327 kHz, 21-10, 1800/1820/1840 UTC

938 938 938 1 4934 76 4934 76
99396 72178 29747 98142 46210 78286 47424 49130 32089 22884
92332 37289 80204 44593 06738 16417 40437 23091 76241 39944
87954 24951 72004 86831 13676 34324 16069 61895 83584 46192
71623 41191 80709 01318 77972 78831 62406 09831 59987 86483
22014 01995 52874 55649 13052 77004 03098 42356 80879 21131
29082 91487 20847 22989 32170 05269 66682 13169 27484 71337
92347 98271 49890 63923 81296 57333 91989 42212 20355 39577
32198 89371 25842 29996 31891 87733 000 000

11435/10598/9327 kHz, 28-10, 1800/1820/1840 UTC

938 938 938 6096 74 6096 74
65666 95928 59059 43803 50519 27392 92036 16262 61540 91796
57049 60464 11099 38797 71177 44010 00327 12539 12521 40557
04829 45375 20363 18727 13396 55953 39549 61033 69877 18727
52276 70963 86742 24967 98491 74515 66957 06772 52494 91454
69210 78354 35707 26161 66142 63451 09978 64840 22239 95322
30848 99794 43833 35020 78769 34752 19238 01588 87806 84806
35124 43244 51172 41553 19132 09690 96798 68084 79143 65171
79364 43793 46235 84286 000 000

M14

12211 kHz, 02-10, 0508 UTC. Started while already i.p.

6977 30693 81062 00192 48880 65637 81663 76228 12480 92030 12149 1.
Restart: 952 then off at 0510z

10243 kHz, 02-10, 0520 UTC

952 143 143 52 52 = =
68034 04284 57266 31070 20636 76705 50709 76344 44248 15641
23101 93589 40394 13450 34954 53890 82146 98754 20655 60607
18418 51639 33239 16977 30693 81062 00192 48880 65637 81663
76228 12480 92030 12149 03978 41406 55440 62449 18519 13181
29101 01836 56702 39571 84412 25172 57191 10548 29509 39515
62165 46553
= = 143 143 52 52 00000

12211/10243 kHz, 03-10, 0500/0520 UTC

952 687 687 59 59 = =
55418 37803 72153 88358 78412 32524 40882 89570 81980 86258
30733 53216 14629 33999 53948 01899 71378 35886 11392 15800
07406 14160 21088 94097 38889 26160 26930 17265 48257 59283
17252 58689 36004 58865 07953 19036 86295 24894 69860 81810
38510 38527 05018 13548 81942 04315 01583 57070 15829 19093
22033 91241 41893 03472 04354 55673 81603 56857 80906
= = 687 687 59 59 00000

No transmissions on 4 and 5 October.

12211/10243 kHz, 09-10, 0500/0520 UTC

952 413 413 58 58 = =
24341 45102 93363 74441 91203 19504 46553 50114 37241 83275
09416 64813 14508 97746 68841 29227 32670 67372 02748 86144
46667 46810 59203 24807 22212 37154 81345 24260 46304 07264
57791 24149 74953 01137 03223 46390 35302 17243 98833 16164
24318 70774 47327 55657 71270 74749 22155 48998 56152 00887
15679 01821 01253 06214 15950 43898 78061 36335
= = 413 413 58 58 00000

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

952 768 768 59 59 = =
41954 55753 26516 74654 39345 69611 14212 24599 43549 48875
30965 56527 73991 05011 80758 98640 88069 81905 42582 18607
62758 32672 98175 81065 75927 94978 52464 68528 04556 50863
76348 14081 82023 81945 26544 19351 81676 55999 22168 56158
18842 05802 82737 75302 88501 86204 57300 70905 80779 20372
99342 73771 41466 71110 67211 72177 69735 98236 54688
= = 768 768 59 59 00000

12211/10243 kHz, 11-10, 0500/0520 UTC

952 340 340 61 61 = =
75528 85766 58700 03086 03691 25649 82644 91479 19004 18828
81131 94438 24223 85997 67281 99794 47153 84421 93287 75949
34465 45762 84345 55266 62404 98393 92945 29279 06587 85119
31711 29156 38063 12239 62385 89852 37836 90896 46334 21395
47028 56658 86165 35729 94875 78244 13153 02575 71748 91361
00143 32718 39371 18571 04638 12190 95438 61124 71747 35747
34822
= = 340 340 61 61 00000

12211/10243 kHz, 12-10, 0500/0520 UTC

952 167 167 52 52 = =
86933 28023 25593 37935 66587 91840 89501 67058 87327 07388
07642 65527 47333 89766 51483 45558 56979 12302 69958 38309
79547 03880 44872 14698 54074 56922 99541 72333 48761 88197
71588 43252 18392 19647 85837 02137 64190 71424 88244 79715
19554 84323 26797 11020 10109 13792 90327 73199 61513 62711
41174 92567
167 167 167 52 52 00000

12211/10243 kHz, 13-10, 0500/0520 UTC

952 834 834 60 60 = =
53041 95110 38023 56255 94983 97574 35867 81972 50487 31842
01804 38852 41859 78576 59731 24292 20626 93030 49077 26222
55410 38220 59408 39915 34760 92804 38580 52481 08357 50857
60360 24717 15029 55726 62454 25016 71034 35156 90889 95009
17023 29873 11675 51636 47134 32813 75691 55322 68657 81176
47733 98968 65696 68513 35657 97419 65280 69005 80560 82109
= = 834 834 60 60 00000

12211/10243 kHz, 16-10, 0500/0520 UTC

952 107 107 54 54 = =
18679 12920 28539 33020 33951 89282 34483 04004 98227 72586
36277 17754 82969 36703 61157 74880 88374 43351 96313 79272
48605 11945 56848 71655 68348 46167 37434 81619 51669 21985
71096 15275 09084 66762 43558 20755 53795 84184 36602 98733
23026 04666 98854 50142 85378 65935 67468 78292 20184 53481
89108 87576 79744 55556
= = 107 107 54 54 00000

12211/10243 kHz, 17-10, 0500/0520 UTC

952 683 683 51 51 = =
90331 36765 40436 04724 22844 56926 70155 02481 80370 03021
66667 83875 24794 28672 94152 25164 89114 32555 89325 01591
82941 04586 86110 79530 96904 66730 13463 74335 35678 56890
08519 84857 34310 29286 12275 40556 37537 69779 39960 22148
46774 49585 43316 41731 64470 65783 06949 93309 90511 42103
45957
= = 683 683 51 51 00000

12211/10243 kHz, 18-10, 0500/0520 UTC

952 407 407 65 65 = =
96816 16665 22859 09240 46344 23611 22404 72344 95299 68272
08694 36587 69833 54319 39708 64984 25628 38170 62550 93133
16034 38407 04291 02154 50534 96856 21100 83137 10731 27261
85382 91532 16034 12494 15577 14917 56251 36237 78321 02574
33259 60083 17675 30339 78932 81966 91069 99121 41548 36899
16696 90566 57822 25913 61994 28278 52779 84169 27951 18047
34648 24171 08885 65520 76956
= = 407 407 65 65 00000

12211/10243 kHz, 19-10, 0500/0520 UTC. Sent 52 groups

952 368 368 51 51 = =
96816 16665 22859 09240 46344 23611 22404 72344 95299 68272
08694 36587 69833 54319 39708 64984 25628 38170 62550 93133
16034 38407 04291 02154 50534 96856 21100 83137 10731 27261
85382 91532 16034 12494 15577 14917 56251 36237 78321 02574
33259 60083 17675 30339 78932 81966 91069 99121 41548 36899
16696 90566
= = 368 368 51 51 00000

12211/10243 kHz, 20-10, 0500/0520 UTC

952 741 741 63 63 = =
42689 46063 01913 74251 17222 42706 69384 54648 43303 38016
92625 15161 21595 79129 01446 50413 28136 35761 67040 04547
99412 44331 16416 12073 80431 67046 21515 12280 40454 89352
80246 23097 86103 04206 31588 85383 26520 56599 71959 13547
70253 46777 65061 13467 58583 15583 62350 53624 64949 60367
76345 00402 15187 54911 73958 53478 08246 71773 82033 42255
42090 30535 22272
= = 741 741 63 63 00000

12211/10243 kHz, 23-10, 0500/0520 UTC

952 631 631 51 51 = =
47571 09002 46589 59188 32911 17305 53830 12600 28882 56067
13978 03891 32514 82298 46324 75771 63710 02137 89647 37557
21011 43382 33605 65822 03832 60543 12725 18139 99685 64589
23923 64415 59753 94602 53501 55632 11282 73506 24554 54624
80232 15072 00725 98594 22623 74365 07238 48065 88000 58863
55165
= = 631 631 51 51 00000

12211 kHz, 24-10, 0500 UTC

10243 kHz, 24-10, 0520 UTC. 952 (R) off after the callup

952 814 814 57 57 = =
66552 33967 50153 37917 92155 71821 94363 62469 76462 21298
82552 12804 01953 52105 24758 21613 19558 31278 93046 08670
00388 50565 02192 02991 40286 17976 11561 69005 84413 49422
25069 35157 64031 21402 02367 48393 62682 70607 96807 02969
53954 51690 89031 16999 78008 88270 87359 55208 49073 79530
02519 21309 11077 46933 25984 68444 83607
= = 814 814 57 57 00000

12211/10243 kHz, 25-10, 0500/0520 UTC

952 703 703 51 51 = =
63522 43269 77412 70417 98090 30680 94657 94217 88059 50879
25064 81484 41491 08117 84581 60483 17265 59552 47861 23678
48776 02511 28250 46478 31405 80573 52033 77172 65947 69464
31591 21494 75179 28653 67181 70248 35766 29621 32010 43452
92682 96726 20302 49404 48340 21600 63035 82143 43617 37017
41055 05722
= = 703 703 51 51 00000

12211/10243 kHz, 26-10, 0500/0525 UTC

952 168 168 54 54 = =
13649 25474 81107 51200 33280 86761 19499 84472 13953 00254
30471 21244 29132 41649 09384 97659 31298 07119 80915 31224
53555 65081 76692 02704 87891 91285 29426 20549 76049 66866
81984 60024 73915 44095 34855 94232 75399 09479 80406 59221
06708 98912 97421 20358 26977 44582 04309 32163 96197 58273
94449 08786 96297 80808
= = 168 168 54 54 00000

**12211 kHz, 27-10, 0500 UTC. 13 sec silence after group 23. Group 24 is missing
10243 kHz, 27-10, 0520 UTC**

952 473 473 61 61 = =
92115 51292 70739 17630 84670 29324 57398 34500 92280 10530
13464 36397 66535 90324 78384 07446 37510 41329 01476 00262
73430 05434 70972 24932 44340 05875 43168 38489 88205 71521
32597 39555 02902 90555 49184 97855 12516 35733 93312 73277
81404 28418 44726 04172 74439 33571 06231 69577 86884 02883
88106 55057 92342 08239 44192 76844 82195 32704 95554 43962
94998
= = 473 473 61 61 00000

12211/10243 kHz, 30-10, 0500/0520 UTC

952 601 601 52 52 = =
09890 92418 79667 13831 23900 43679 80568 34211 69527 12220
34182 01266 21906 70468 61410 88330 66825 17959 87826 37798
63886 65845 10002 11505 92168 34018 24822 56057 70612 21750
26475 06530 70296 37817 00807 77010 60787 01028 71730 11331
57769 47108 79361 92577 64127 02857 94593 34665 21674 13540
99778 04501
= = 601 601 52 52 00000

12211/10243 kHz, 31-10, 0500/0520 UTC

952 834 834 57 57 = =
42806 39145 82864 46977 96978 28583 91586 41508 40555 82609
50151 15066 04878 51269 50456 10509 90121 99784 65368 00939
98606 18879 69080 35218 21182 50425 34122 66805 60108 95623
40981 45562 76883 97879 61243 77249 14449 17574 00219 80380
00209 40927 09968 95126 09307 90116 08686 23958 86592 26865
67363 08715 50717 66666 49673 73789 28793
= = 834 834 57 57 00000

Test transmissions

M14d: 9463 kHz, 06-10, 1150 UTC. Two series of fast beeps
M14d: 9463 kHz, 06-10, 1200 UTC. Unusual variant. Counter part of E06b/G06b/S06g
801 79462 (R4m) 625 625 34 34 = =

76322 84084 74035 08490 74434 48199 40794 65311 34108 26648
44669 98986 54758 95096 31928 55589 15369 66499 32559 86096
51069 92755 62280 25237 91145 73491 60212 48568 88157 20409
04302 18705 92860 50638
= = 625 625 34 (unpaired) 00000

9463 kHz, 08-10, 1336 UTC. Two series of fast beeps

9463 kHz, 08-10, 1345 UTC

801 (R3m15s) [40s silence]
1 801 (R1m10s) 437 437 52 52 = =
35373 34030 27778 50116 11280 96806 09740 59594 53407 63060
28750 41716 41053 94976 99235 61063 [30s silence]
801 (R1m)
41716 41053 94976 99235 61063 34408 54904 14946 71426 02598
64334 37602 27764 27221 40315 72737 34191 86058 32755 49946
13946 46641 11035 49706 12263 [8s silence]
83 73 [30s silence]
801 (R1m)
13946 46641 11035 49706 12263 24383 73379 43974 68099 84933
77416 42736 15637 95473 15364 63702 01517 54610 82289 67341
28728
= = 43 [2m20s silence]
801 (R1m10s)
01517 54610 82289 67341 28728
= = 437 437 52 52 00000

Full recomposed message:

801 437 437 52 52 = =
35373 34030 27778 50116 11280 96806 09740 59594 53407 63060
28750 41716 41053 94976 99235 61063 34408 54904 14946 71426
02598 64334 37602 27764 27221 40315 72737 34191 86058 32755
49946 13946 46641 11035 49706 12263 24383 73379 43974 68099
84933 77416 42736 15637 95473 15364 63702 01517 54610 82289
67341 28728
= = 437 437 52 52 00000

10755 kHz, 15-10, 1320 UTC. Two series of fast beeps

10755 kHz, 15-10, 1330 UTC

975 (R1m40s) [1s silence] 5 975 (R20s) [1s silence] 5
975 (R2m10s) 342 60 =
81195 13715 61364 80359 81540 55808 80595 55007 20580 46719 [50s silence]
975 (R1m15s) [5s silence] 975 (R55s)
80359 81540 55808 80595 55007 20580 46719
47217 05937 01744 22131 07300 06759 84371 60161 33535 76456
15980 86458 69468 94289 75569 34471 49608 44107 13898 90586
43855 30230 01672 78816 99682 32112 21578 64720 80510 89948
65104 83257 23704 88442 20086 20249 66647 30886 59901 02143
14311 80777 70280 73766 46764 93137 74633 68755 90072 62717
= 342 60 00000

Full recomposed message:

975 342 342 60 60 = =
81195 13715 61364 80359 81540 55808 80595 55007 20580 46719
47217 05937 01744 22131 07300 06759 84371 60161 33535 76456
15980 86458 69468 94289 75569 34471 49608 44107 13898 90586
43855 30230 01672 78816 99682 32112 21578 64720 80510 89948
65104 83257 23704 88442 20086 20249 66647 30886 59901 02143
14311 80777 70280 73766 46764 93137 74633 68755 90072 62717
= = 342 342 60 60 00000

Note from PY:

I found 7 tests transmissions on October 17th, and interesting ones: M14 used a faster pace than usual, one S06 had unusual modulation with poorly suppressed LSB, and the other S06 was a null, with an extra stray "00000" group at the end; it also made me think of the S06g null format.

11073 kHz, 17-10, 0531 UTC. Two series fast beeps

11073 kHz, 17-10, 0540 UTC, M14a. Fast pace

352 716 716 40 40 = =
06208 83870 16986 54537 67034 02553 17035 57407 41671 13039
35164 72533 19701 15065 04203 09847 54064 70669 81398 65808
54969 27874 10542 52801 24745 92890 26769 41898 71263 36807
33732 67443 21691 47676 07812 66890 16010 63962 09080 54334
= = 716 716 40 40
352 948 948 17 17 = =
61427 01714 68660 18882 12012 35632 07994 87985 38346 64663
06246 76276 22679 89276 86933 82177 36289
= = 948 948 17 17 00000

9463 kHz, 17-10, 0610 UTC. Two series fast beeps

9463 kHz, 17-10, 0621 UTC. Fast pace

801 (R4m) 296 296 53 53 = =
99900 99688 52973 44680 22324 94596 43726 90738 70242 03066
34278 03554 29818 54519 39780 74097 06961 08746 85424 34544
68673 06408 77719 08438 62631 10660 31347 38687 25915 94573
25010 60584 18841 54040 84729 12024 44827 50862 [20s silence]
801 (R4m20s)
18841 54040 84729 12024 44827 51862 18020 98125 42238 15694
47375 52431 59128 65545 16514 61873 46843 15521 67818 47706
33402
= 296 296 53 53 00000

Full recomposed message:

801 296 296 53 53 = =
99900 99688 52973 44680 22324 94596 43726 90738 70242 03066
34278 03554 29818 54519 39780 74097 06961 08746 85424 34544
68673 06408 77719 08438 62631 10660 31347 38687 25915 94573
25010 60584 18841 54040 84729 12024 44827 51862 18020 98125
42238 15694 47375 52431 59128 65545 16514 61873 46843 15521
67818 47706 33402
= = 296 296 53 53 00000

10755 kHz, 17-10, 0700 UTC. Two series of fast beeps

10755 kHz, 17-10, 0710 UTC, M14a. Fast pace. Only 32 groups in the first message

975 (R3m40s) 9 [22s silence] 975 (R1m) 102 36 =
95109 00156 94486 08462 98932 24315 91584 30832 72049 80512
47025 87207 84472 68683 84862 94811 82052 91793 63461 38118
25419 [1m25s silence]
975 (R1m10s)
00495 63591 96678 81824 89409 78250 10154 98803 65992 37841
82808
= 102 36
975 (R1m) 638 14 =
34490 65899 27280 92111 12182 48468 16447 48378 89726 37478
69002 54043 59348 26345
= = 638 638 14 14 00000
= 638 14 00000

Full recomposed message:

975 102 102 36 36 = =
95109 00156 94486 08462 98932 24315 91584 30832 72049 80512
47025 87207 84472 68683 84862 94811 82052 91793 63461 38118
25419 00495 63591 96678 81824 89409 78250 10154 98803 65992
37841 82808
= = 102 102 36 36
975 638 638 14 14 = =
34490 65899 27280 92111 12182 48468 16447 48378 89726 37478
69002 54043 59348 26345
= = 638 638 14 14 00000

11073 kHz, 17-10, 0751 UTC. Two series fast beeps

11073 kHz, 17-10, 0800 UTC. Fast pace

352 (R4m) 179 60 =

2064 [30s silence]

52 352 (R1m10s)

20649 24134 64170 72762 59449 44944 24817 71764 97268 67901

08050 25753 34354 79186 44447 61029 44282 32007 01693 99195

25954 50334 21975 37883 75999 34677 69633 82754 17533 49603

87503 22962 46189 97683 85385 67248 79390 09550 09083 82880

19760 04747 63439 04609 68648 03090

[24s silence]

352 (R3m30s)

19760 04747 63439 04609 68648 03093 87825 05818 50686 91176

07497 49093 35308 73778 09273 58350 66194 64774 14968 79746

= 179 60 00000

Full recomposed message:

352 179 179 60 60 = =

20649 24134 64170 72762 59449 44944 24817 71764 97268 67901

08050 25753 34354 79186 44447 61029 44282 32007 01693 99195

25954 50334 21975 37883 75999 34677 69633 82754 17533 49603

87503 22962 46189 97683 85385 67248 79390 09550 09083 82880

19760 04747 63439 04609 68648 03090 87825 05818 50686 91176

07497 49093 35308 73778 09273 58350 66194 64774 14968 79746

= = 179 179 60 60 00000

9463 kHz, 17-10, 0840 UTC. Two series fast beeps

9463 kHz, 17-10, 0850 UTC. Fast pace

801 326 326 57 57 = =

58113 59952 91892 85280 45389 60431 76417 26648 86471 39711

55341 99818 74654 40213 95535 87945 44718 05930 42426 20475

30490 13985 96547 49679 16257 75433 36300 58146 42958 09989

10316 14410 55104 24357 47909 18922 99353 48881 61020 07532

10692 12166 36105 04679 47136 58381 39401 43482 58923 36931

84012 94907 03104 19167 32248 73205 39478

= = 326 326 57 57 00000

10755 kHz, 23-10, 0750 UTC. Two series of fast beeps

10755 kHz, 23-10, 0800 UTC. Fast pace

975 (R1m20s)

9 [2s silence] 75 975 (R1m55s) 97 [9s silence] 75

975 (R1m) 813 60 =

97814 49297 62815 84385 63286 23961 50213 80935 822 [50s silence]

975 (R1m20s)

63286 23961 50213 80935 82277 04700 05756 32640 84469 02679

74014 82058 53744 67662 30544 15639 40660 19111 81022 78639

30874 57065 59414 84704 86714 38748 54744 68487 04085 31830

21177 54789 51884 [25s silence]

975 (R1m15s)

31834 21177 54789 51884 80309 51081 42632 86139 43870 15769

27717 56027 96796 03601 11690 43981 97230 10145 71673 07069

62802 60063 88477 11822 13553 65436 56951

= 813 60 00000

Full recomposed message:

975 813 813 60 60 = =

97814 49297 62815 84385 63286 23961 50213 80935 82277 04700

05756 32640 84469 02679 74014 82058 53744 67662 30544 15639

40660 19111 81022 78639 30874 57065 59414 84704 86714 38748

54744 68487 04085 31830 21177 54789 51884 80309 51081 42632

86139 43870 15769 27717 56027 96796 03601 11690 43981 97230

10145 71673 07069 62802 60063 88477 11822 13553 65436 56951

= = 813 813 60 60 00000

6607 kHz, 10-10, 1602 UTC. Copied by Stig (SOB)

UZ70 NR 891 HG GR 54 = =
UZ2P NR 791 HG GR 04 = =
UZ0D QSL NR 71/74 = =
LU9S QSL NR 17 = =
UZ70 NR 891 HG GR 54 = =
UZ2P NR 791 HG GR 04 = =
UZ0D QSL NR 71/74 = =
LU9S QSL NR 17 = =
UZ70 NR 891 HG GR 54 = =
UZ2P NR 791 HG GR 04 = =
UZ0D QSL NR 71/74 = =
LU9S QSL NR 17 = =
UZ70 NR 891 HG GR 54 = =
UZ2P NR 791 HG GR 04 = =
UZ0D QSL NR 71/74 = =
LU9S QSL NR 17 = =
UZ70 NR 891 HG GR 54 = =
UZ2P NR 791 HG GR 04 = =
UZ0D QSL NR 71/74 = =
LU9S QSL NR 17 = =
UZ70 NR 891 HG GR 54 = =
UZ2P NR 791 HG GR 0

VVV DE 4XZ 4XZ = = AR

NW QTC 1 NR 891 = =
NR 891 HG V CA3G 441101 UZ70 GR 54 = =
UOUOU SSNZU TDFUD FCDIA ZBAND YYPDY MONYW AMWPR UWBNC DLFRQ
BFCZD AJSGQ YAOGH CUAJW TFLTS CSLXB UKMFI NELDL WHOHN TBAWS
ZIMGB ADCOM WPCAZ CYGKR GNRTQ MKTTP BMTLC APAZW ZOYSC LTTPF
XSLWT JYKDY ZJSKY JDBQY NLSZC CBLMW LJAJ S RCCFS HKHPP HOBME
= =
AA GR 04 = =
CODYA USLGN YPWMI ZZNWN SSNZU = =
NR 891 HG V CA3G 441101 UZ70 GR 54 = =
UOUOU SSNZU TDFUD FCDIA ZBAND YYPDY MONYW AMWPR UWBNC DLFRQ
BFCZD AJSGQ YAOGH CUAJW TFLTS CSLXB UKMFI NELDL WHOHN TBAWS
ZIMGB ADCOM WPCAZ CYGKR GNRTQ MKTTP BMTLC APAZW ZOYSC LTTPF
XSLWT JYKDY ZJSKY JDBQY NLSZC CBLMW LJAJ S RCCFS HKHPP HOBME
= =
AA GR 04 = =
CODYA USLGN YPWMI ZZNWN SSNZU = =
NR 891 HG V CA3G 441101 UZ70 GR 54 = = AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = = AR

NW QTC 1 NR 791 = =
NR 791 HG V CA3G 341101 UZ2P GR 04 = =
UPUPU AUZYZ HSSXX JFLN LJKSL JSIWF LYSBR PTALI PYFEK KYFXB
XKAHU YGHOR LMMHB NQDKZ RZQBF DNTXW BOLSD TGYKU ECGPG KYARU
ROTFQ QCIBL NXBME NSEYR XSLNO GCTXO SOZIM QFSBO FPHNM WDUFP
LAHPA KPNIR JGBDW KLHJC BYIGI WPCAW BUAYK YQYHK IZSWO AUZYZ
= =
NR 791 HG V CA3G 341101 UZ2P GR 04 = =
UPUPU AUZYZ HSSXX JFLN LJKSL JSIWF LYSBR PTALI PYFEK KYFXB
XKAHU YGHOR LMMHB NQDKZ RZQBF DNTXW BOLSD TGYKU ECGPG KYARU
ROTFQ QCIBL N
SRI SRI SRI
NI8W GI8W GI8W QSL NR 97 = =
GI8W GI8W GI8W QSL NR 97 = =
GI8W GI8W GI8W QSL NR 97 = = AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = = AR

NW QTC 1 NR 791 = =

NR 791 HG V CA3G 341101 UZ2P GR 04 = =
UPUPU AUZYZ HSSXX JFLLN LJKSL JSIWF LYSBR PTALI PYFEK KYFXB
XKAHU YGHOR LMMHB NQDKZ RZQBF DNTXW BOLSD TGYKU ECGPG KYARU
ROTFQ QCIBL NXBME NSEYR XSLNO GCTXO SOZIM QFSBO FPHNM WUDFP
LAHPA KPNIR JGBDW KLHJC BYIGI WPCAW BUAYK YQYHK IZSWO AUZYZ
= =

NR 791 HG V CA3G 341101 UZ2P GR 04 = =
UPUPU AUZYZ HSSXX JFLLN LJKSL JSIWF LYSBR PTALI PYFEK KYFXB
XKAHU YGHOR LMMHB NQDKZ RZQBF DNTXW BOLSD TGYKU ECGPG KYARU
ROTFQ QCIBL NXBME NSEYR XSLNO GCTXO SOZIM QFSBO FPHNM WUDFP
LAHPA KPNIR JGBDW KLHJC BYIGI WPCAW BUAYK YQYHK IZSWO AUZYZ
= =

NR 791 HG V CA3G 341101 UZ2P GR 04 = = AR AR

VVV DE 4XZ 4XZ = =
VVV DE 4XZ 4XZ = = AR

NW QTC 1 NR 991 = =
NR 991 MS V CA3G 119101 KG6J GR 04 = =
KJKJK JSTJU MONLT TEEYB PXNNH XKHTP OIMPE TGUKD KEDUH HXEKH
SLQMY TNKLR RXRWJ WSQPZ JOMLY ONZBZ YDOWF UYXDR MUOFJ OCUDC
BCPCQ ONBQO TMIOJ TJPQL FQCEH FEZZY REFWW KZAGQ AMBSZ FEZCK
ZHRSL YDQOK ZEOEZ ANEJI YAFSO DMJEP IJXGI BALWI QUKYE JSTJU
= =

NR 991 MS V CA3G 119101 KG6J GR 04 = =
KJKJK JSTJU MONLT TEEYB PXNNH XKHTP OIMPE TGUKD KEDUH HXEKH
SLQMY TNKLR RXRWJ WSQPZ JOMLY ONZBZ YDOWF UYXDR MUOFJ OCUDC
BCPCQ ONBQO TMIOJ TJPQL FQCEH FEZZY REFWW KZAGQ AMBSZ FEZCK
ZHRSL YDQOK ZEOEZ ANEJI YAFSO DMJEP IJXGI BALWI QUKYE JSTJU
= =

NR 991 MS V CA3G 119101 KG6J 04 = = AR AR

VVV DE 4XZ 4XZ

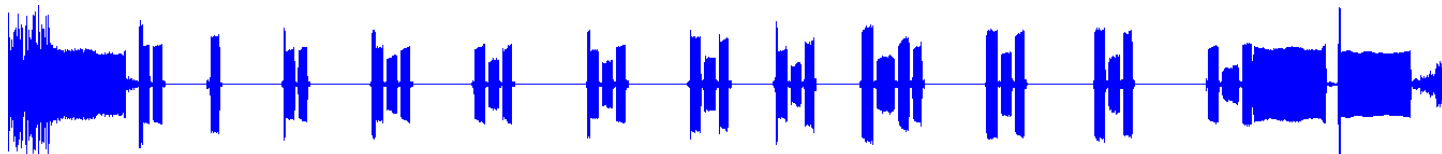
M23

M23 had a 24/7 schedule sending a signal every hour at hh55 minutes. It was first reported on October 8th. As it is not clear what it transmitted throughout the month, I simply logged it as “marker”. Note that all transmissions always start and end with a dash.

Between 8 and 16 October it repeated the same crappy, noisy recording over and over.



Crappy sound above and cleaned up version below. It still doesn't make much sense:



On 16 October they changed the “message” and the following signal was sent. It was not always exactly the same. This was repeated till the end of the month. Note the start and end dashes.



M51a / M51b

M51b: 3881/6825 kHz, 07-10, 0630 UTC. Non-stop 5 character groups composed of M51a messages

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

GDHET SHQUZ SHQJA KSLQO EYIDH XNDHE SUJZO ALQNP LOKJH NCHFG
IKFHE CBDGS XNWJS QKAIU EYDGS ZUJSI AKNBC XHDE 46328 JQKAI
NWBXG DVXHE ZUJSI 35276 BXNDG SJQUZ AKJIO DLSME DHRTF KJFOL
XNCLD ELSOE RLDHC VNDHR XKSLQ AMZIA DJZOD XNCVD SHQJD 87564
LAUJF CVXBS WNQJT DGSUJ WKQLM PAKNP DNXXD WNQJZ AJNBC MAJFG
XYZUJ 37828 DJNXJ QKAIU CNXJD WJNDG SHZKL QMPAL

GDFSJ ZUHDF XCAIK LOMAI PQKAU DHSJR ZTGSH BVCFX WNSJZ QKAUI
UFOLA MPLKJ HNBVF CXHSU AJQKD XKNJI 52718 9462/ HNCVS WNSGR
PMLDF HNERZ CXVWH ZUJSK AIKQJ HNXVS WHZRT AUJSL WOKLJ NQHDG
YHDGS XVCHZ TSGQJ AOLQP MAUJG 27489 JNVBF XGSHA 23482 HNXVD
SHAZJ OLDHB NCJRY DFXCS WBQHZ AJKSM QPJKV BXNDH ZUHSJ QKNHY
GBCKR YHGBV CNDFR SJOLQ LPAMU UJHGD VWCXG DHRTZ QJNAU JKQLZ
IKHBY DGXVC BCHUJ SKLAZ PMJKL 74538 ZUJGV XBSJZ QJNKA KLQPO
IOBNG UHNBG VFCKO LAZSO WLKNP FVSHL MAOKP SHQJL BHDGX WVDJR
CJNGH YUZGW XNSJK ALPMD XHNFJ RTSU3 46378 HGCBW WNSDZ AJKQL
PMYGV

etc.

M51a: 3881/6825 kHz, 07-10, 0630 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

SAMEDI 4/LEÇON NUMÉRO 1/1 VITESSE 420 CODÉ =
NVCMD CBSNW NSKKS NCNSW PLWOE CVCSB QYSUW NCP SL ALQKO 02365
MCKSO /.?ASVA CZXAD QPLOE BDGEY XMKNS ASLWP XUEWY VNDHW LKSIW
63270 XMSLD +.'./ VFHRY SWRQT XVSHG LJYPO ZMXNE AQOIU CBDHW
LPURF 18963 ZAPFO VA',AS? ZMXSK DLSKW CBRYP BGHUT LHKYP ERTWY
ZXWCD VNCYE 14598 UTHJE '/?., NBNXC VFGER POQAS XCFDE JGHNF
LKWUE VBCND MLFKG 54796 FSEWA ,.'=. ASQEX VMDSO EWGDD LBGKI
'.,? . XSGYW 21703 HDJEE LHKTP ZCXAQ BFGEE SHQUK KDLCX ASDWG
VBNFK 26318 KDFHR ?.'VA, QHJCM LGDHJ CBETJ AQWOP +

SAMEDI 4/LEÇON NUMÉRO 2/1 VITESSE 420 CLAIR =

LE REDÉPLOIEMENT DES THÉÂTRES D'OPÉRATION NE MET PAS UN TERME À L'ENGAGEMENT DE L'ARMÉE DE TERRE. LE NIVEAU DES UNITÉS PROJÉTÉES RESTE TRÈS ÉLEVÉ. L'ENTRETIEN DES " FONDAMENTAUX " DU MÉTIER DE COMBATTANT EST PLUS QUE JAMAIS UNE NÉCESSITÉ ET L'INSTRUCTION COLLECTIVE UNE PRIORITÉ. C'EST LÀ TOUT L'ENJEU DE LA PRÉPARATION OPÉRATIONNELLE DÉCENTRALISÉE POUR LES ANNÉES À VENIR. LA VOCATION DE TOUT MILITAIRE ? REMPLIR UNE MISSION OPÉRATIONNELLE EN OPÉRATION EXTÉRIEURE OU SUR LE TERRITOIRE NATIONAL. MAIS VOTRE CARNET DE TIR EST-IL À JOUR ? CONNAISSEZ-VOUS TOUS LES ACTES RÉFLEXES DU COMBATTANT ? COMMENT RÉAGIR DANS UNE EMBUSCADE ? +

CQ DE FAV22 VA

M51a: 3881/6825 kHz, 07-10, 0820 UTC

VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

SAMEDI 4/LEÇON NUMÉRO 1/2 VITESSE 600 CODÉ =
CNCSI CNKQO AQLPS ZNXW CMNVB AKSOP QWEIU XBSAJ LHKJY 65489
CARQF .,?/VA QAJWU XBSGH CKWOI AJDGE QOWUN CMNSH SWPEO XHSWU
,?,'= DARGD 52017 ALQSO SJNXI QALPS XNBHA SHDYW XNCMS ZMXLP
WUEYY 10478 XNBHA .,?AS/ ALQPW XBSUW ALKSO XBCHS SJWIX BCNCJ
CMSKW CZFST 12036 NCHDG .',+? ZNXJS QPLOS DHDWU XBCNS AJSWI
XETYC VNMSK AQOIW 89564 NVMDW ?/VA' JQIAL OILPU XVAGW DHFGR
VNMEI SAHWU SDPLI CBSJW 23561 XBAGQ .',AS/ NCPOE XBSHW SKWOP

SABWU CBEYD NBMCK SAJWU XCVWY 43692 NVMDW .,ASVA. BXGSG KGMGL
RISFE +

SAMEDI 4/LEÇON NUMÉRO 2/2 VITESSE 600 CLAIR =
CHAQUE CONTRÔLEUR EST NORMALEMENT CHARGÉ D'UN SECTEUR DU MINISTÈRE DONT IL S'ATTACHE À CONNAÎTRE TOUTES LES PARTICULARITÉS. LES CONTRÔLEURS SONT RÉPARTIS SELON LA NATURE DE LEUR SECTEUR D'ACTIVITÉS DANS DES GROUPES DE CONTRÔLE, CHAQUE GROUPE ÉTANT DIRIGÉ PAR UN CONTRÔLEUR GÉNÉRAL. LA DURÉE MOYENNE D'UNE AFFECTATION EST COMPRISE ENTRE 3 ET 5 ANS. LA LIMITE D'ÂGE EST DE 64 ANS POUR LES CONTRÔLEURS GÉNÉRAUX DES ARMÉES ; ELLE PEUT ÊTRE PORTÉE À 65 ANS. AU COURS DE SA CARRIÈRE, UN CONTRÔLEUR PEUT ÊTRE AMENÉ À CHOISIR DE SERVIR EN DEHORS DU CONTRÔLE. +

CQ DE FAV22 VA

M89 - Chinese Military

4517 kHz, 19-10, 1735 kHz

VVV UW2K DE FY3B HR SVC GA HR SVC GA =
765/X.26/7901/82/28/22/K236A/COMM/7294 AR =
765/XK26/7901/82/28/22/K236A/COMM/7294 AR
HR WK NR 470 WK NR 470 NIL SK NIL SK

5389 kHz, 23-10, 1217 UTC

RPT 32W 6274 6274 K K
RPT 41W 5387 5387 K K
RPT 43W 6142 6142 K K
RPT 43W 2605 2605 K K
RPT 53W 1604 1604 K K
RPT 64W 3521 3521 K K
RPT 70W 9675 9675 K K
RPT 78W TO 91W =
UDA6 ND5T 4637 A4UD 6375 6T4A 5U3N ATN4 D73U DT5U
A7N6 NT56 3D74 DA47 AR K K
R R
R 7G GA K

M95 - Chinese Military

All logs and graphics by JPL.

4364//8073 kHz, 16-10, 1130 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: messages

4364//8073 kHz, 16-10, 1141 UTC, M95: CW

V BNGC (x3) DE XSV85 (X2)
HR MSGS GA PSE CY
NR 0812 CK 055 35 TTA6 164U =
TAT N5U TA6 N53 TA. N54 7TT TTU 746 6TU
N75 6T6 6TU N75 6AT TA4 6A4 A57 6A4 AT6
TA6 TT6 6A7 TAA 74D NT4 N6D U33 D44 635
4A6 DAU D47 DA3 NU6 736 N75 N44 7T5 777
TAU 773 TA7 773 TAD 773 TAN 773 TU3 773
756 TU4 773 756 7AN AR
AHR MSG GA
NR 0813 CK 370 35 TTA6 A643 = (Operator has problem with the number 3)
TA6 3U6 3AN 3U7 TAU 773 353 373 ...
UTU TA6 3.6 3A4 TTU 773 35A N3D 353 4TA ...

4364//9054 kHz, 16-10, 1151 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4364//9054 kHz, 16-10, 1156 UTC, M95: CW

VVV HR 7G TO YR PSE CY
NR 084 CK 40 35 1016 1515 =
5AA UTT TA6 3U6 3A4 5T7 5TD 75U 35U 4TA
33U 33N N3D 4TN 445 3DT 4D6 5TN 5U 35U
33U 34U N3D 446 3DU 336 N3U 445 3DA 4D6

5AA 75U 35U 4TN NAT 4TA 445 3DA 4D6 AR 7G AGN
NR 084 CK 40 35 1016 1515 = (Repeats message)
AR A HR 7G GA
NR 32 CK 163 35 1016 1531 =

9054 kHz, 19-10, 0620 UTC, i.p.

MSG NR 019 CK 16 35 10 19 1628 =
205 019 325 701 001 002 003 773 420 446
336 898 934 448 887
AGN ...

4364//8073 kHz, 23-10, 1130 UTC, V26: USB. Callup in Chinese voice

4364//8073 kHz, 23-10, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: Messages

4364//8073 kHz, 23-10, 1140 UTC, M95: CW

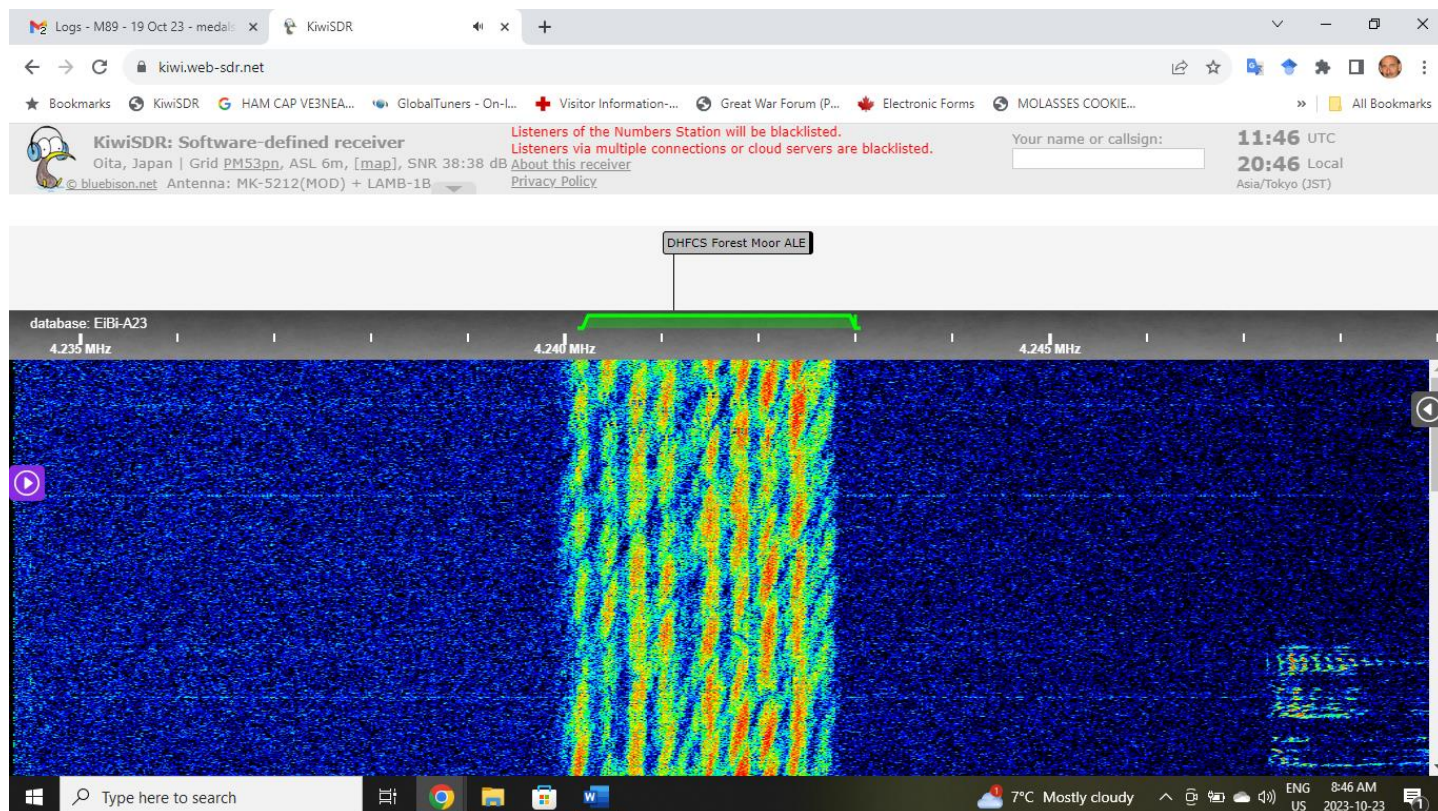
V BNGC (x3) DE XSV85 (X2)
HR MSGS GA PSE CY
NR 0844 CK 208 35 1023 1520 =
TU3 3U6 3AN 3U7 TAU 773 453 4T3 NN3 446 ...

4243 kHz, 23-10, 1441 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

9054 kHz, 23-10, 1441 UTC, Q26: 4+4 QPSK 75/3000 ISB. Messages

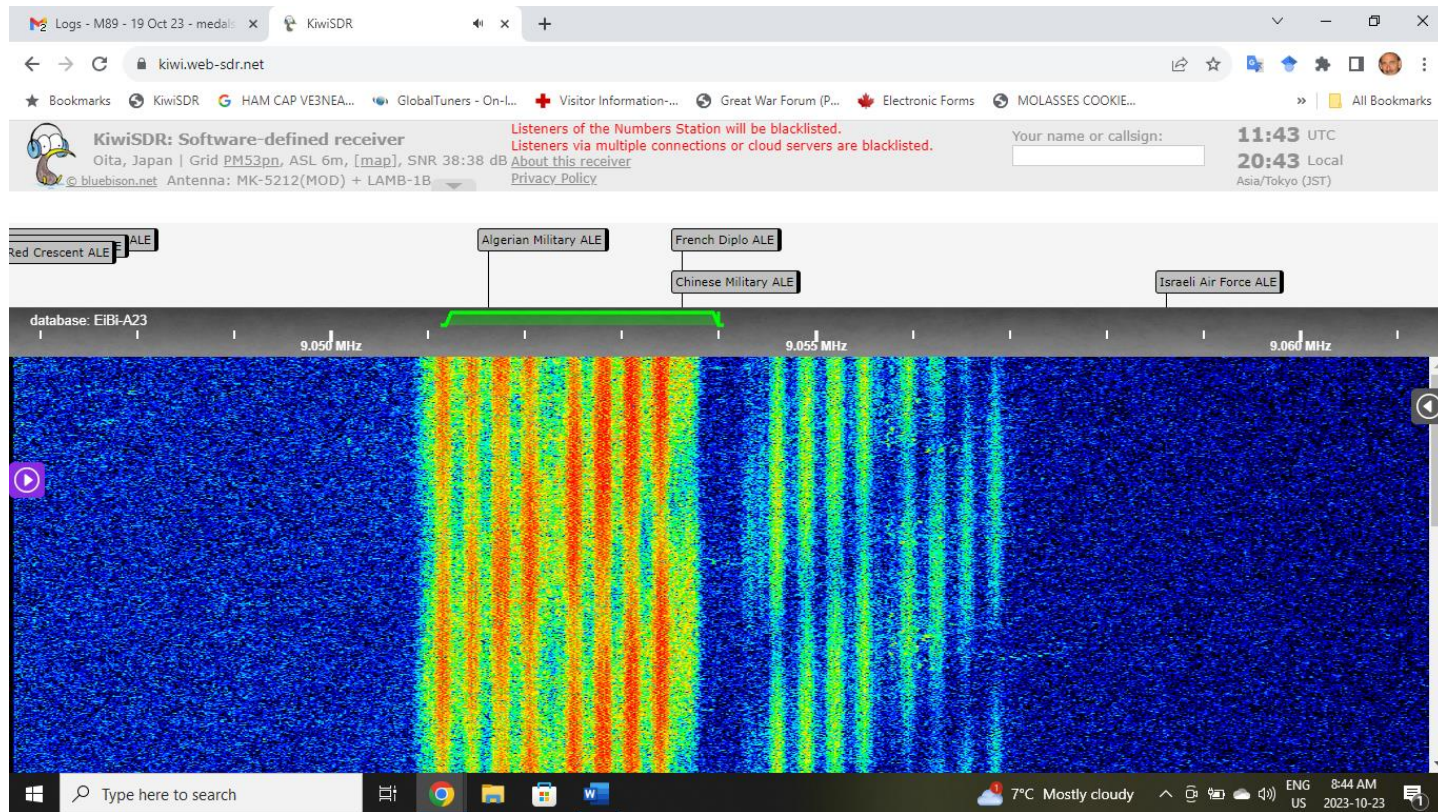
4243//9054 kHz, 23-10, 1448 UTC, M9: CW

HR MSG TO YR PSE CY
NR 46 CK 132 35 1023 1521 =
UTU TU3 3U6 3A4 TTU 773 353 N3D 45U 4TN 446 ...



Above: Image of 4243 kHz with only the LSB signal

Below: Image of 9054 kHz signal showing both LSB and USB signal.



9054 kHz, 28-10, 2340 UTC, V26: USB. Callup in Chinese voice
9054 kHz, 28-10, 2343 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages
9054 kHz, 28-10-2023, 2346 UTC, M95: CW
 HR MSG TO YR PSE CY
 NR 058 CK 19 35 1029 0557 =
 UT5 TUN 3U4 3A4 TTA TTU TT3 773 356 36U
 4AA 445 34U N3U 446 4D4 3DA N3D 3DU AR
 7G AGN NR 058 CK 19 35 1029 0557 = (Repeats message)
 AR HR 7G GA
 NR 010 CK 35 35 1029 0630 =
 5AA UTT TUN 3U4 3A4 5T7 5TD 75U 35A ...
 AR 7G AGN NR 010 CK 35 35 1029 0630 = (Repeats message)
 AR HR MSG GA
 NR 57 CK 054 35 1029 0700 =
 UTU TUN 3U4 3A4 TTU 773 35A U4T 353 336
 N3U 75D 354 373 4TN 445 336 N3U .

4364//8073 kHz, 29-10, 0001 UTC, V26: USB. XSV85: callup in Chinese voice. Male operator
4364//8073 kHz, 29-10,0002 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: messages
4364//8073 kHz, 29-10, 0005 UTC, M95: CW
 V BNGC (x3) DE XSV85 (X2)
 HR MSG GA PSE CY
 NR 0856 CK 100 35 1029 0702 =
 TUN 3U4 3A4 TAU 773 TU4 773 TU5 773
 353 4T3 NN3 446 3D3 4DT 4D6 TA7 773
 TAD 773 353 4T3 NN3 446 3DU 34A N3D ...

UM04 - PROMRCh

4735 kHz, 01-10, 0700 UTC

VVV VVV PROMRCh = 01 10 =
1000 0900 0940 1080 1520
1200 0970 1010 1130 1560
1400 1010 1050 1170 1600
1600 0970 1010 1140 1560
1800 0980 1020 1170 1630
2000 0800 0830 0930 1270
2200 0610 0630 0700 0930
0000 0570 0580 0630 0820
0200 0540 0550 0600 0770
0400 0510 0520 0570 0750
0600 0480 0500 0570 0780
0800 0740 0780 0920 1330
= ABV

VVV VVV PROMRCh = 01 10 =
1000 0900 0940 1080 1520
1200 0970 1010 1130 1560
1400 1010 1050 1170 1600
1600 0970 1010 1140 1560
1800 0980 1020 1170 1630
2000 0800 0830 0930 1270
2200 0610 0630 0700 0930
0000 0570 0580 0630 0820
0200 0540 0550 0600 0770
0400 0510 0520 0570 0750
0600 0480 0500 0570 0780
0800 0740 0780 0920 1330
= AR

4735 kHz, 05-10, 0700 UTC

VVV VVV PROMRCh = 05 10 =
1000 0930 0970 1110 1570
1200 1010 1050 1180 1630
1400 1050 1080 1220 1660
1600 1020 1060 1190 1640
1800 1000 1050 1200 1660
2000 0790 0820 0930 1260
2200 0590 0610 0680 0910
0000 0550 0560 0620 0800
0200 0520 0530 0580 0760
0400 0500 0520 0570 0740
0600 0460 0480 0550 0750
0800 0760 0800 0940 1360
= ABV

VVV VVV PROMRCh = 05 10 =
1000 0930 0970 1110 1570
1200 1010 1050 1180 1630
1400 1050 1080 1220 1660
1600 1020 1060 1190 1640
1800 1000 1050 1200 1660
2000 0790 0820 0930 1260
2200 0590 0610 0680 0910
0000 0550 0560 0620 0800
0200 0520 0530 0580 0760
0400 0500 0520 0570 0740
0600 0460 0480 0550 0750
0800 0760 0800 0940 1360
= AR

4735 kHz, 02-10, 0700 UTC

VVV VVV PROMRCh = 02 10 =
1000 0900 0940 1080 1510
1200 0970 1010 1140 1560
1400 1010 1050 1180 1600
1600 0970 1010 1140 1560
1800 0980 1020 1170 1630
2000 0800 0830 0930 1270
2200 0610 0630 0700 0930
0000 0570 0580 0630 0820
0200 0530 0540 0560 0770
0400 0510 0520 0570 0750
0600 0480 0500 0560 0780
0800 0740 0780 0920 1320
= ABV

VVV VVV PROMRCh = 02 10 =
1000 0900 0940 1080 1510
1200 0970 1010 1140 1560
1400 1010 1050 1180 1600
1600 0970 1010 1140 1560
1800 0980 1020 1170 1630
2000 0800 0830 0930 1270
2200 0610 0630 0700 0930
0000 0570 0580 0630 0820
0200 0530 0540 0560 0770
0400 0510 0520 0570 0750
0600 0480 0500 0560 0780
0800 0740 0780 0920 1320
= AR

4735 kHz, 06-10, 0700 UTC

VVVVV PROMRCh = 06 10 =
1000 0940 0990 1130 1590
1200 1030 1060 1200 1650
1400 1060 1100 1230 1670
1600 1040 1070 1210 1650
1800 1010 1050 1200 1670
2000 0790 0820 0920 1260
2200 0590 0610 0680 0910
0000 0550 0560 0620 0800
0200 0520 0540 0590 0760
0400 0510 0520 0570 0750
0600 0460 0480 0540 0750
0800 0770 0810 0960 1380
= ABV

VVVVV PROMRCh = 06 10 =
1000 0940 0990 1130 1590
1200 1030 1060 1200 1650
1400 1060 1100 1230 1670
1600 1040 1070 1210 1650
1800 1010 1050 1200 1670
2000 0790 0820 0920 1260
2200 0590 0610 0680 0910
0000 0550 0560 0620 0800
0200 0520 0540 0590 0760
0400 0510 0520 0570 0750
0600 0460 0480 0540 0750
0800 0770 0810 0960 1380
= AR

4735 kHz, 03-10, 0700 UTC

VVV VVV PROMRCh = 03 10 =
1000 0900 0940 1080 1530
1200 0980 1020 1150 1570
1400 1020 1050 1180 1610
1600 0980 1010 1150 1570
1800 0980 1020 1170 1630
2000 0790 0820 0920 1260
2200 0590 0610 0690 0920
0000 0560 0570 0630 0810
0200 0530 0540 0590 0770
0400 0500 0520 0570 0740
0600 0470 0490 0560 0770
0800 0740 0780 0920 1330
= ABV

VVV VVV PROMRCh = 03 10 =
1000 0900 0940 1080 1530
1200 0980 1020 1150 1570
1400 1020 1050 1180 1610
1600 0980 1010 1150 1570
1800 0980 1020 1170 1630
2000 0790 0820 0920 1260
2200 0590 0610 0690 0920
0000 0560 0570 0630 0810
0200 0530 0540 0590 0770
0400 0500 0520 0570 0740
0600 0470 0490 0560 0770
0800 0740 0780 0920 1330
= AR

4735 kHz, 07-10, 0700 UTC

VVV VVV PROMRCh = 07 10 =
1000 0950 0990 1140 1610
1200 1040 1080 1220 1670
1400 1080 0110 1250 1690
1600 1050 1090 1230 1690
1800 1020 1070 1210 1690
2000 0790 0820 0920 1250
2200 0590 0610 0680 0900
0000 0550 0560 0620 0800
0200 0530 0540 0590 0760
0400 0510 0520 0580 0750
0600 0460 0480 0540 0740
0800 0780 0820 0970 1390
= ABV

VVV VVV PROMRCh = 07 10 =
1000 0950 0990 1140 1610
1200 1040 1080 1220 1670
1400 1080 0110 1250 1690
1600 1050 1090 1230 1690
1800 1020 1070 1210 1690
2000 0790 0820 0920 1250
2200 0590 0610 0680 0900
0000 0550 0560 0620 0800
0200 0530 0540 0590 0760
0400 0510 0520 0580 0750
0600 0460 0480 0540 0740
0800 0780 0820 0970 1390
= AR

4735 kHz, 04-10, 0700 UTC

VVVVV PROMRCh = 0410 =
1000 0920 0960 1100 1550
1200 1000 1040 1170 1600
1400 1040 1070 1210 1640
1600 1000 1040 1170 1610
1800 0990 1030 1180 1540
2000 0790 0820 0920 1250
2200 0590 0610 0680 0910
0000 0550 0560 0610 0800
0200 0520 0530 0590 0760
0400 0500 0510 0560 0740
0600 0460 0480 0550 0760
0800 0750 0790 0930 1350
= ABV

VVVVV PROMRCh = 0410 =
1000 0920 0960 1100 1550
1200 1000 1040 1170 1600
1400 1040 1070 1210 1640
1600 1000 1040 1170 1610
1800 0990 1030 1180 1540
2000 0790 0820 0920 1250
2200 0590 0610 0680 0910
0000 0550 0560 0610 0800
0200 0520 0530 0590 0760
0400 0500 0510 0560 0740
0600 0460 0480 0550 0760
0800 0750 0790 0930 1350
= AR

4735 kHz, 08-10, 0700 UTC

VVVVV PROMRCh = 0810 =
1000 0960 1010 1200 1620
1200 1050 1090 1230 1700
1400 1090 1120 1260 1710
1600 1070 1110 1250 1710
1800 1040 1080 1230 1700
2000 0790 0820 0920 1250
2200 0590 0610 0670 0900
0000 0550 0560 0620 0800
0200 0530 0540 0590 0760
0400 0510 0520 0530 0750
0600 0460 0470 0540 0740
0800 0780 0830 0970 1400
= ABV

VVVVV PROMRCh = 0810 =
1000 0960 1010 1200 1620
1200 1050 1090 1230 1700
1400 1090 1120 1260 1710
1600 1070 1110 1250 1710
1800 1040 1080 1230 1700
2000 0790 0820 0920 1250
2200 0590 0610 0670 0900
0000 0550 0560 0620 0800
0200 0530 0540 0590 0760
0400 0510 0520 0530 0750
0600 0460 0470 0540 0740
0800 0780 0830 0970 1400
= AR

4735 kHz, 09-10, 0700 UTC

VVV VVV PROMRCh = 09 10 =
1000 0970 1020 1170 1640
1200 1070 1100 1250 1710
1400 1100 1130 1270 1720
1600 1090 1130 1270 1740
1800 1040 1080 1230 1710
2000 0790 0820 0920 1240
2200 0580 0600 0670 0890
0000 0550 0560 0610 0790
0200 0530 0540 0590 0760
0400 0510 0520 0580 0750
0600 0450 0070 0540 0730
0800 0790 0840 0980 1410
= ABV

VVV VVV PROMRCh = 09 10 =
1000 0970 1020 1170 1640
1200 1070 1100 1250 1710
1400 1100 1130 1270 1720
1600 1090 1130 1270 1740
1800 1040 1080 1230 1710
2000 0790 0820 0920 1240
2200 0580 0600 0670 0890
0000 0550 0560 0610 0790
0200 0530 0540 0590 0760
0400 0510 0520 0580 0750
0600 0450 0070 0540 0730
0800 0790 0840 0980 1410
= AR

4735 kHz, 13-10, 0700 UTC

VVVVV PROMRCh = 13 10 =
1000 1040 1090 1250 1740
1200 1140 1180 1330 1820
1400 1150 1190 1330 1800
1600 1160 1200 1340 1840
1800 1080 2550 1270 1680
2000 0790 0820 0920 1240
2200 0580 0540 0600 0870
0000 0530 0540 0590 0780
0200 0520 0530 0580 0760
0400 0440 0460 0520 0760
0600 0720 0750 0650 0710
0800 0840 0880 1040 1490
= ABV

VVVVV PROMRCh = 13 10 =
1000 1040 1090 1250 1740
1200 1140 1180 1330 1820
1400 1150 1190 1330 1800
1600 1160 1200 1340 1840
1800 1080 2550 1270 1680
2000 0790 0820 0920 1240
2200 0580 0540 0600 0870
0000 0530 0540 0590 0780
0200 0520 0530 0580 0760
0400 0440 0460 0520 0760
0600 0720 0750 0650 0710
0800 0840 0880 1040 1490
= AR

4735 kHz, 10-10, 0700 UTC

VVV VVV PROMRCh = 10 10 =
1000 1000 1040 1190 1670
1200 1090 1130 1280 1740
1400 1120 1150 1290 1750
1600 1110 1140 1290 1770
1800 1050 1090 1220 1660
2000 0790 0810 0910 1240
2200 0580 0600 0660 0880
0000 0540 0550 0600 0780
0200 0520 0530 0590 0750
0400 0510 0530 0580 0750
0600 0450 0470 0530 0730
0800 0810 0850 1000 1440
= ABV

VVV VVV PROMRCh = 10 10 =
1000 1000 1040 1190 1670
1200 1090 1130 1280 1740
1400 1120 1150 1290 1750
1600 1110 1140 1290 1770
1800 1050 1090 1220 1660
2000 0790 0810 0910 1240
2200 0580 0600 0660 0880
0000 0540 0550 0600 0780
0200 0520 0530 0590 0750
0400 0510 0530 0580 0750
0600 0450 0470 0530 0730
0800 0810 0850 1000 1440
= AR

4735 kHz, 14-10, 0700 UTC

VVVVV PROMRCh = 14 10 =
1000 1050 1100 1260 1760
1200 1150 1190 1350 1850
1400 1160 1200 1340 1810
1600 1170 1210 1360 1850
1800 1080 2550 1270 1690
2000 0790 0820 0920 1240
2200 0570 0590 0650 0860
0000 0540 0550 0600 0770
0200 0530 0540 0590 0760
0400 0520 0530 0590 0760
0600 0440 0460 0520 0700
0800 0850 0890 1050 1500
= ABV

VVV VVV PROMRCh = 14 10 =
1000 1050 1100 1260 1760
1200 1150 1190 1350 1850
1400 1160 1200 1340 1810
1600 1170 1210 1360 1850
1800 1080 2550 1270 1690
2000 0790 0820 0920 1240
2200 0570 0590 0650 0860
0000 0540 0550 0600 0770
0200 0530 0540 0590 0760
0400 0520 0530 0590 0760
0600 0440 0460 0520 0700
0800 0850 0890 1050 1500
= AR

4735 kHz, 11-10, 0700 UTC

VVVVV PROMRCh = 1110 =
1000 1020 1060 1220 1700
1200 1110 1150 1290 1770
1400 1130 1160 1300 1760
1600 1120 1160 1310 1780
1800 1060 1100 1230 1670
2000 0790 0810 0920 1240
2200 0580 0600 0660 0880
0000 0540 0550 0600 0780
0200 0520 0530 0590 0760
0400 0520 0530 0580 0760
0600 0450 0470 0530 0730
0800 0820 0870 1020 1460
= ABV

VVVVV PROMRCh = 1110 =
1000 1020 1060 1220 1700
1200 1110 1150 1290 1770
1400 1130 1160 1300 1760
1600 1120 1160 1310 1780
1800 1060 1100 1230 1670
2000 0790 0810 0920 1240
2200 0580 0600 0660 0880
0000 0540 0550 0600 0780
0200 0520 0530 0590 0760
0400 0520 0530 0580 0760
0600 0450 0470 0530 0730
0800 0820 0870 1020 1460
= AR

4735 kHz, 15-10, 0700 UTC

VVV VVV PROMRCh = 15 10 =
1000 1060 1100 1270 1770
1200 1170 1210 1360 1870
1400 1170 1210 1350 1830
1600 1190 1230 1380 1880
1800 1100 1550 1270 1690
2000 0800 0820 0920 1240
2200 0580 0590 0660 0860
0000 0540 0550 0600 0770
0200 0520 0530 0590 0760
0400 0520 0530 0580 0760
0600 0440 0450 0510 0700
0800 0850 0900 1060 1510
= ABV

VVV VVV PROMRCh = 15 10 =
1000 1060 1100 1270 1770
1200 1170 1210 1360 1870
1400 1170 1210 1350 1830
1600 1190 1230 1380 1880
1800 1100 1550 1270 1690
2000 0800 0820 0920 1240
2200 0580 0590 0660 0860
0000 0540 0550 0600 0770
0200 0520 0530 0590 0760
0400 0520 0530 0580 0760
0600 0440 0450 0510 0700
0800 0850 0900 1060 1510
= AR

4735 kHz, 12-10, 0700 UTC

VVV VVV PROMRCh = 12 10 =
1000 1030 1080 1230 1720
1200 1120 1160 1320 1800
1400 1140 1180 1310 1780
1600 1140 1180 1330 1810
1800 1070 1100 1240 1670
2000 0790 0820 0910 1240
2200 0580 0590 0660 0870
0000 0540 0550 0600 0780
0200 0530 0540 0590 0760
0400 0520 0530 0590 0760
0600 0550 0470 0530 0720
0800 0830 0880 1030 1480
= ABV

VVV VVV PROMRCh = 12 10 =
1000 1030 1080 1230 1720
1200 1120 1160 1320 1800
1400 1140 1180 1310 1780
1600 1140 1180 1330 1810
1800 1070 1100 1240 1670
2000 0790 0820 0910 1240
2200 0580 0590 0660 0870
0000 0540 0550 0600 0780
0200 0530 0540 0590 0760
0400 0520 0530 0590 0760
0600 0550 0470 0530 0720
0800 0830 0880 1030 1480
= AR

4735 kHz, 16-10, 0700 UTC

VVV VVV PROMRCh = 16 10 =
1000 1070 1120 1280 1790
1200 1180 1230 1380 1890
1400 1190 1220 1360 1850
1600 1200 1240 1400 1900
1800 1100 2550 1270 1700
2000 0800 0820 0920 1230
2200 0580 0600 0650 0860
0000 0540 0550 0600 0770
0200 0530 0540 0590 0770
0400 0520 0540 0590 0770
0600 0440 0450 0510 0690
0800 0860 0910 1060 1530
= ABV

VVV VVV PROMRCh = 16 10 =
1000 1070 1120 1280 1790
1200 1180 1230 1380 1890
1400 1190 1220 1360 1850
1600 1200 1240 1400 1900
1800 1100 2550 1270 1700
2000 0800 0820 0920 1230
2200 0580 0600 0650 0860
0000 0540 0550 0600 0770
0200 0530 0540 0590 0770
0400 0520 0540 0590 0770
0600 0440 0450 0510 0690
0800 0860 0910 1060 1530
= AR

4735 kHz, 17-10, 0700 UTC

VVVVV PROMRCh = 1710 =
1000 1080 1130 1290 1810
1200 1190 1240 1390 1910
1400 1190 1230 1380 1880 1860
1600 1210 1260 1410 1920
1800 1110 2550 1270 1710
2000 0790 0820 0920 1230
2200 0570 0590 0650 0850
0000 0540 0550 0600 0770
0200 0530 0540 0600 0760
0400 0530 0540 0530 0770
0600 0430 0450 0510 0690
0800 0870 0920 1080 1550
= ABV

VVVVV PROMRCh = 1710 =
1000 1080 1130 1290 1810
1200 1190 1240 1390 1910
1400 1190 1230 1380 1880 1860
1600 1210 1260 1410 1920
1800 1110 2550 1270 1710
2000 0790 0820 0920 1230
2200 0570 0590 0650 0850
0000 0540 0550 0600 0770
0200 0530 0540 0600 0760
0400 0530 0540 0530 0770
0600 0430 0450 0510 0690
0800 0870 0920 1080 1550
= AR

4735 kHz, 21-10, 0705 UTC

VVV VVV PROMRCh = 21 10 =
1000 1110 1160 1330 1860
1200 1240 1280 1450 1990
1400 1230 1270 1400 1920
1600 1260 1300 1460 1990
1800 1130 2550 1290 1740
2000 0780 0810 0900 1210
2200 0560 0580 0630 0830
0000 0530 0540 0590 0760
0200 0530 0540 0590 0760
0400 0530 0540 0590 0760
0600 0420 0440 0490 0670
0800 0890 0940 1100 1580
= ABV

VVV VVV PROMRCh = 21 10 =
1000 1110 1160 1330 1860
1200 1240 1280 1450 1990
1400 1230 1270 1400 1920
1600 1260 1300 1460 1990
1800 1130 2550 1290 1740
2000 0780 0810 0900 1210
2200 0560 0580 0630 0830
0000 0530 0540 0590 0760
0200 0530 0540 0590 0760
0400 0530 0540 0590 0760
0600 0420 0440 0490 0670
0800 0890 0940 1100 1580
= AR

4735 kHz, 18-10, 0700 UTC

VVV VVV PROMRCh = 18 10 =
1000 1090 1130 1300 1820
1200 1210 1250 1410 1930
1400 1200 1240 1390 1880
1600 1220 1270 1420 1940
1800 1110 2550 1280 1720
2000 0790 0810 0910 1230
2200 0570 0580 0640 0840
0000 0540 0540 0600 0760
0200 0530 0540 0590 0760
0400 0500 0540 0590 0770
0600 0430 0450 0500 0680
0800 0870 0920 1080 1550
= ABV

VVV VVV PROMRCh = 18 10 =
1000 1090 1130 1300 1820
1200 1210 1250 1410 1930
1400 1200 1240 1390 1880
1600 1220 1270 1420 1940
1800 1110 2550 1280 1720
2000 0790 0810 0910 1230
2200 0570 0580 0640 0840
0000 0540 0540 0600 0760
0200 0530 0540 0590 0760
0400 0500 0540 0590 0770
0600 0430 0450 0500 0680
0800 0870 0920 1080 1550
= AR

4735 kHz, 22-10, 0700 UTC

VVV VVV PROMRCh = 22 10 =
1000 1110 1250 1330 1860
1200 1240 1280 1450 1990
1400 1230 1270 1420 1920
1600 1260 1300 1460 2000
1800 1120 2550 1280 1730
2000 0780 0800 0900 1210
2200 0560 0580 0630 0830
0000 0530 0540 0590 0750
0200 0530 0540 0600 0770
0400 0530 0540 0590 0760
0600 0420 0430 0490 0660
0800 0890 0940 1100 1580
= ABV

VVV VVV PROMRCh = 22 10 =
1000 1110 1250 1330 1860
1200 1240 1280 1450 1990
1400 1230 1270 1420 1920
1600 1260 1300 1460 2000
1800 1120 2550 1280 1730
2000 0780 0800 0900 1210
2200 0560 0580 0630 0830
0000 0530 0540 0590 0750
0200 0530 0540 0600 0770
0400 0530 0540 0590 0760
0600 0420 0430 0490 0660
0800 0890 0940 1100 1580
= AR

4735 kHz, 19-10, 0700 UTC

VVV VVV PROMRCh = 19 10 =
1000 1100 1140 1310 1840
1200 1220 1260 1430 1850
1400 1210 1250 1400 1900
1600 1240 1280 1440 1960
1800 1120 2550 1280 1730
2000 0790 0810 0910 1220
2200 0560 0580 0640 0830
0000 0530 0540 0590 0760
0200 0530 0540 0590 0760
0400 0520 0540 0590 0760
0600 0430 0440 0500 0670
0800 0880 0930 1090 1560
= ABV

VVV VVV PROMRCh = 19 10 =
1000 1100 1140 1310 1840
1200 1220 1260 1430 1850
1400 1210 1250 1400 1900
1600 1240 1280 1440 1960
1800 1120 2550 1280 1730
2000 0790 0810 0910 1220
2200 0560 0580 0640 0830
0000 0530 0540 0590 0760
0200 0530 0540 0590 0760
0400 0520 0540 0590 0760
0600 0430 0440 0500 0670
0800 0880 0930 1090 1560
= AR

4735 kHz, 23-10, 0700 UTC

VVV VVV PROMRCh = 2310 =
1000 1110 1200 1330 1860
120E 1240 1280 1450 1990
1400 1220 1260 1410 1910
1600 1250 1290 1450 1990
1800 1110 2550 1280 1720
2000 0770 0800 0890 1200
2200 0560 0580 0630 0830
0000 0530 0540 0590 0750
0200 0530 0540 0600 0760
0400 0530 0540 0590 0760
0600 0420 0430 0490 0660
0800 0890 0940 1100 1580
= ABV

VVV VVV PROMRCh = 2310 =
1000 1110 1200 1330 1860
120E 1240 1280 1450 1990
1400 1220 1260 1410 1910
1600 1250 1290 1450 1990
1800 1110 2550 1280 1720
2000 0770 0800 0890 1200
2200 0560 0580 0630 0830
0000 0530 0540 0590 0750
0200 0530 0540 0600 0760
0400 0530 0540 0590 0760
0600 0420 0430 0490 0660
0800 0890 0940 1100 1580
= AR

4735 kHz, 20-10, 0700 UTC

VVV VVV PROMRCh = 20 10 =
1000 1100 1150 1020 1850
1200 1230 1270 1440 1970
1400 1220 1260 1410 1900
1600 1250 1290 1450 1980
1800 1130 2550 1290 1730
2000 0790 0810 0910 1220
2200 0560 0580 0640 0830
0000 0540 0540 0600 0800
0200 0530 0540 0590 0760
0400 0520 0500 0590 0760
0600 0420 0440 0500 0670
0800 0890 0930 1090 1570
= ABV

VVV VVV PROMRCh = 20 10 =
1000 1100 1150 1020 1850
1200 1230 1270 1440 1970
1400 1220 1260 1410 1900
1600 1250 1290 1450 1980
1800 1130 2550 1290 1730
2000 0790 0810 0910 1220
2200 0560 0580 0640 0830
0000 0540 0540 0600 0800
0200 0530 0540 0590 0760
0400 0520 0500 0590 0760
0600 0420 0440 0500 0670
0800 0890 0930 1090 1570
= AR

4735 kHz, 24-10, 0659 UTC

VVV VVV PROMRCh = 24 10 =
1000 1100 1150 1320 1850
1200 1230 1280 1440 1980
1400 1220 1260 1410 1910
1600 1250 1290 1450 1980
0800 1090 2550 1270 1700
2000 0760 0780 0870 1190
2200 0550 0570 0620 0820
0000 0530 0540 0590 0750
0200 0530 0540 0590 0760
0400 0520 0540 0590 0760
0600 0420 0440 0490 0660
0800 0890 0930 1100 1580
= ABV

VVV VVV PROMRCh = 24 10 =
1000 1100 1150 1320 1850
1200 1230 1280 1440 1980
1400 1220 1260 1410 1910
1600 1250 1290 1450 1980
0800 1090 2550 1270 1700
2000 0760 0780 0870 1190
2200 0550 0570 0620 0820
0000 0530 0540 0590 0750
0200 0530 0540 0590 0760
0400 0520 0540 0590 0760
0600 0420 0440 0490 0660
0800 0890 0930 1100 1580
= AR

4735 kHz, 25-10, 0700 UTC

VVV VVV PROMRCh = 25 10 =
 1000 1100 1140 1310 1840
 1200 1230 1270 1440 1980
 1400 1210 1250 1400 1900
 1600 1240 1280 1440 1970
 1800 1080 2550 1270 1690
 2000 0740 0770 0860 1170
 2200 0540 0560 0620 0810
 0000 0520 0530 0580 0740
 0200 0520 0530 0590 0750
 0400 0520 0530 0580 0750
 0600 0410 0430 0490 0660
 0800 0880 0930 1090 1570

= ABV =

VVV VVV PROMRCh = 25 10 =
 1000 1100 1140 1310 1840
 1200 1230 1270 1440 1980
 1400 1210 1250 1400 1900
 1600 1240 1280 1440 1970
 1800 1080 2550 1270 1690
 2000 0740 0770 0860 1170
 2200 0540 0560 0620 0810
 0000 0520 0530 0580 0740
 0200 0520 0530 0590 0750
 0400 0520 0530 0580 0750
 0600 0410 0430 0490 0660
 0800 0880 0930 1090 1570

= AR

4735 kHz, 26-10, 0700 UTC

VVVVV PROMRCh = 2610 =
 1000 1090 1130 1310 1840
 0200 1220 1270 1440 1970
 1400 1200 1240 1390 1890
 1600 1230 1270 1440 1960
 1800 1070 1100 1230 1670
 2000 0740 0760 0860 1160
 2200 0540 0560 0610 0800
 0000 0510 0520 0570 0740
 0200 0520 0530 0580 0750
 0400 0510 0520 0580 0750
 0600 0410 0430 0480 0660
 0800 0870 0920 1080 1530

= ABV

VVVVV PROMRCh = 2610 =
 1000 1090 1130 1310 1840
 0200 1220 1270 1440 1970
 1400 1200 1240 1390 1890
 1600 1230 1270 1440 1960
 1800 1070 1100 1230 1670
 2000 0740 0760 0860 1160
 2200 0540 0560 0610 0800
 0000 0510 0520 0570 0740
 0200 0520 0530 0580 0750
 0400 0510 0520 0580 0750
 0600 0410 0430 0480 0660
 0800 0870 0920 1080 1530

= AR

4735 kHz, 27-10, 0700 UTC

VVV VVV PROMRCh = 27 10 =
 1000 1080 1130 1300 1820
 1200 1220 1270 1430 1970
 1400 1200 1240 1390 1890
 1600 1220 1270 1420 1950
 1800 1050 1080 1220 1650
 2000 0720 0750 0850 1150
 2200 0530 0550 0600 0800
 0000 0510 0520 0570 0740
 0200 0520 0530 0580 0750
 0400 0510 0520 0580 0750
 0600 0410 0430 0480 0660
 0800 0870 0920 1080 1550

= ABV

VVV VVV PROMRCh = 27 10 =
 1000 1080 1130 1300 1820
 1200 1220 1270 1430 1970
 1400 1200 1240 1390 1890
 1600 1220 1270 1420 1950
 1800 1050 1080 1220 1650
 2000 0720 0750 0850 1150
 2200 0530 0550 0600 0800
 0000 0510 0520 0570 0740
 0200 0520 0530 0580 0750
 0400 0510 0520 0580 0750
 0600 0410 0430 0480 0660
 0800 0870 0920 1080 1550

= AR

4735 kHz, 28-10, 0659 UTC

VVV VVV PROMRCh = 28 10 =
 1000 1080 1120 1290 1810
 1200 1220 1260 1430 1960
 1400 1200 1240 1390 1880
 1600 1220 1260 1430 1960
 1800 1040 1080 1210 1650
 2000 0720 0750 0840 1140
 2200 0530 0550 0600 0790
 0000 0510 0520 0570 0730
 0200 0510 0520 0580 0740
 0400 0510 0520 0570 0750
 0600 0410 0430 0480 0660
 0800 0870 0920 1080 1550

= ABV

VVV VVV PROMRCh = 28 10 =
 1000 1080 1120 1290 1810
 1200 1220 1260 1430 1960
 1400 1200 1240 1390 1880
 1600 1220 1260 1430 1960
 1800 1040 1080 1210 1650
 2000 0720 0750 0840 1140
 2200 0530 0550 0600 0790
 0000 0510 0520 0570 0730
 0200 0510 0520 0580 0740
 0400 0510 0520 0570 0750
 0600 0410 0430 0480 0660
 0800 0870 0920 1080 1550

= AR

4735 kHz, 29-10, 0700 UTC

VVVVV PROMRCh = 29 10 =
 1000 1070 1120 1290 1820
 1200 1210 1300 1420 1960
 1400 1200 1240 1380 1880
 1600 1220 1260 1430 1950
 1800 1030 1070 1200 1640
 2000 0710 0740 0830 1130
 2200 0530 0540 0600 0790
 0000 0510 0520 0560 0730
 0200 0500 0520 0580 0740
 0400 0510 0520 0570 0750
 0600 0410 0430 0480 0660
 0800 0870 0910 1070 1550

= ABV

VVVVV PROMRCh = 29 10 =
 1000 1070 1120 1290 1820
 1200 1210 1300 1420 1960
 1400 1200 1240 1380 1880
 1600 1220 1260 1430 1950
 1800 1030 1070 1200 1640
 2000 0710 0740 0830 1130
 2200 0530 0540 0600 0790
 0000 0510 0520 0560 0730
 0200 0500 0520 0580 0740
 0400 0510 0520 0570 0750
 0600 0410 0430 0480 0660
 0800 0870 0910 1070 1550

= AR

4735 kHz, 30-10, 0800 UTC

(changed to winter time)

VVV VVV PROMRCh = 30 10 =
 1000 1050 1100 1270 1790
 1200 1200 1250 1410 1940
 1400 1190 1230 1370 1870
 1600 1200 1240 1410 1930
 1800 1010 1050 1180 1610
 2000 0700 0720 0820 1120
 2200 0530 0540 0600 0790
 0000 0510 0520 0570 0730
 0200 0510 0520 0580 0740
 0400 0510 0520 0570 0740
 0600 0410 0420 0480 0650
 0800 0860 0900 1070 1540

= ABV

VVV VVV PROMRCh = 30 10 =
 1000 1050 1100 1270 1790
 1200 1200 1250 1410 1940
 1400 1190 1230 1370 1870
 1600 1200 1240 1410 1930
 1800 1010 1050 1180 1610
 2000 0700 0720 0820 1120
 2200 0530 0540 0600 0790
 0000 0510 0520 0570 0730
 0200 0510 0520 0580 0740
 0400 0510 0520 0570 0740
 0600 0410 0420 0480 0650
 0800 0860 0900 1070 1540

= AR

4735 kHz, 31-10, 0800 UTC

VVV VVV PROMRCh = 31 10 =
 1000 1060 1110 1270 1800
 1200 1210 1250 1420 1950
 1400 1190 1230 1380 1880
 1600 1200 1250 1410 1940
 1800 1010 1040 1180 1610
 2000 0700 0720 0820 1110
 2200 0530 0540 0600 0780
 0000 0500 0510 0560 0720
 0200 0510 0520 0570 0740
 0400 0500 0520 0570 0740
 0600 0410 0420 0480 0650
 0800 0850 0900 1060 1530

= ABV

VVV VVV PROMRCh = 31 10 =
 1000 1060 1110 1270 1800
 1200 1210 1250 1420 1950
 1400 1190 1230 1380 1880
 1600 1200 1250 1410 1940
 1800 1010 1040 1180 1610
 2000 0700 0720 0820 1110
 2200 0530 0540 0600 0780
 0000 0500 0510 0560 0720
 0200 0510 0520 0570 0740
 0400 0500 0520 0570 0740
 0600 0410 0420 0480 0650
 0800 0850 0900 1060 1530

= AR

UM05 is the designator for a French Morse training station sending a looped message every 10 minutes. Usually a word, figure or digit.

A weird CW station from France can be heard on **5345.8 kHz**. It was first reported on October 14th and transmits 24/7. It sends a word, letter or figure continuously and replaces it with a new one every 10 minutes. Their clock is running fast, just like M23's clock. Could there be a connection? Below extracts from various transmissions.

15 and 16 October included:

9, D, Y, C, O, Toilettes, Ecole, Livre, Etudiant, Acteur, Mouche, Ordinateur, Manteur, Lampe, Poulet, Mai, Taxi, Casserole, Vehicule

17 October:

T, Maladie, Education, Arbre, Cahier, Septembre, Classe, Z, Pantalon, Requin, Sujet, Tunnel, Lac, I, Pluie, Desert, Chanson, Football

18 October:

Wombat, 9, Eruption, B, Echarpe, Scene, Verre, Jeudi, Etude, Q, K, C, Television, Aout, G, Volcan, 8, Terre

19 October:

Pluie, Cyclisme, Campagne, Direction, Wombat, Oreiller

20 October:

Albatros, Lecture, Musee, Mercredi, Mardi, Octobre, Yoga, Novembre, Chat, Banane, Soleil, Mai, Papillon, Lune, The, Tomate, Couleur, Vin, Moto, Oasis

21 October:

Lavabo, Tramway, Recif

22 October:

Poire, Viande, Oiseau, Diplome, Etudiant, M Route, Autoroute, Evier, Pingouin, Terre, Fumee, Hirondelle, Moineau, Cacher, Manger

23 October:

Maison, Bureau, Carotte, Q, Chaise, Coline, Ordinateur, G, Passage, Distance, Poisson, Champ, Volcan, Destination, Roman

24 October:

Peinture, K, Air, Clair, Appartement, Construire, Concept, 1, Arcenciel, A

25 October:

Ville, Theme, Lac, Problem, M, N, Lire, D, Q, O, Bague, Mai

26 October:

Q, Baie, L, C, Hpital, O, Novembre, Bague, Pluton, Fenetre, F, Juin, Symbole, Koala, Feu, Train, Pull, Television, Kakapo, S, Atmosphere, Terre, Recherche

27 October:

Le, Camion, Horloge, Montagne, U, Parc, Assiette, Parent, Part, Probleme, Fraises, Television, Terre

28 October:

Juillet, Suggestion, Direction, Colline, Asterode, B, X, Sousmarin, Le, Marron, Kiwi, Joie, Bureau, Lapin, Note, R, Natation, P, Nature, Pleurer, R, Phrase

29 October:

Arbre, Rocher, Devouverte, Examen, Musee, Velo, Coq, Lune

30 October:

Pinson, Soleil, Avion, Equilibre, Coq, Meduse, Sable

31 October:

Eruption, Dormir, Mer, Four, Exposition, Requin, Point de vue

DIGITAL MODES

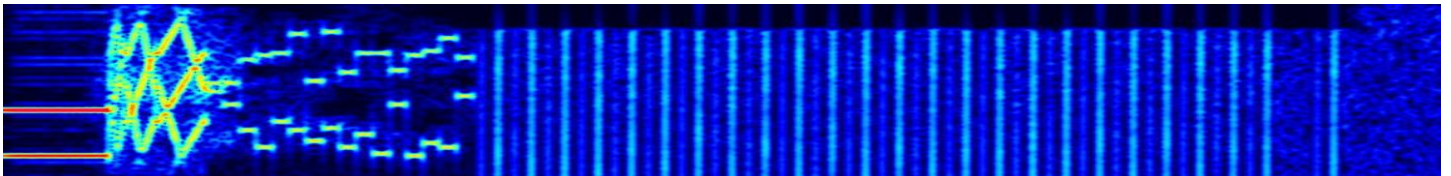
Russian Government networks (including intelligence agencies, domestic and international nets) . Designators F01, F06, F06a, M42, M42b

M42 – various modes

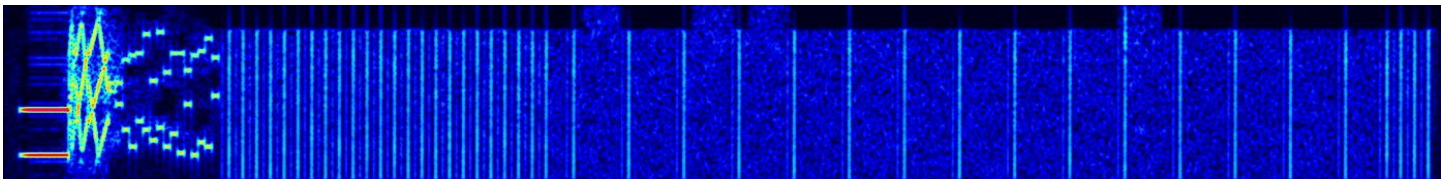
20574 kHz, 13-10, 1135 UTC, MFSK-11
20574 kHz, 13-10, 1145 UTC, MFSK-11
17468 kHz, 13-10, 1148 UTC, MFSK-11
16103 kHz, 31-10, 1320 UTC, OFDM bursts

The MFSK+OFDM transmissions were often on the air in various forms, 3, 6, 12, 24 and 48 kHz wide. They are probably still testing.

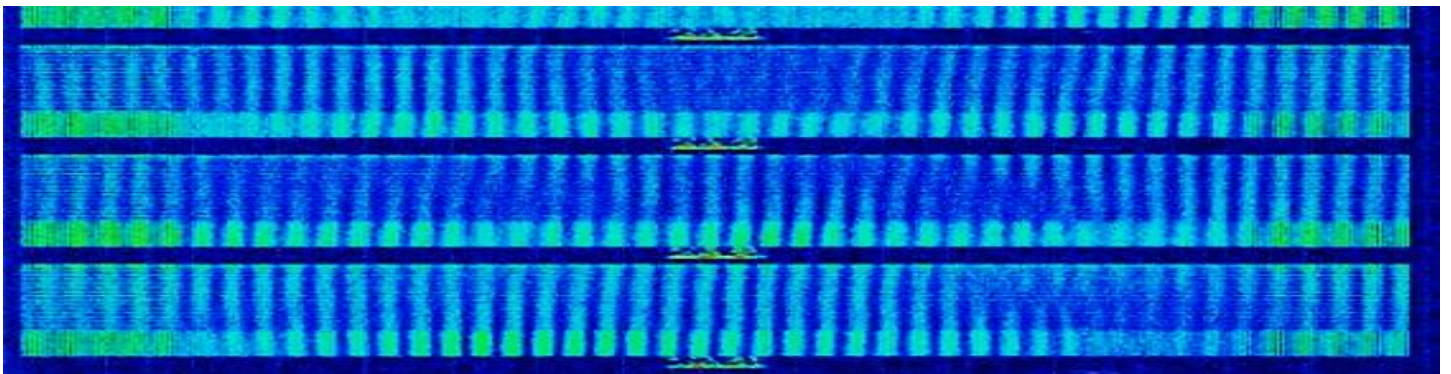
16258 kHz, 13-10, 0915 UTC, MFSK + OFDM
16258 kHz, 13-10, 0925 UTC, MFSK + OFDM
16258 kHz, 13-10, 0929 UTC, MFSK + OFDM
16258 kHz, 13-10, 0932 UTC, MFSK + OFDM
16258 kHz, 13-10, 0942 UTC, MFSK + OFDM
16258 kHz, 13-10, 1230 UTC, MFSK + OFDM
16258 kHz, 13-10, 1234 UTC, MFSK + OFDM
16258 kHz, 13-10, 1255 UTC, MFSK + OFDM
18050 kHz, 13-10, 1310 UTC, MFSK + OFDM
18050 kHz, 13-10, 1316 UTC, MFSK + OFDM
18050 kHz, 13-10, 1317 UTC, MFSK + OFDM
18050 kHz, 13-10, 1324 UTC, MFSK + OFDM
18050 kHz, 13-10, 1329 UTC, MFSK + OFDM
16258 kHz, 13-10, 1400 UTC, MFSK + OFDM
11128 kHz, 13-10, 1635 UTC, MFSK + OFDM
11128 kHz, 13-10, 1650 UTC, MFSK + OFDM



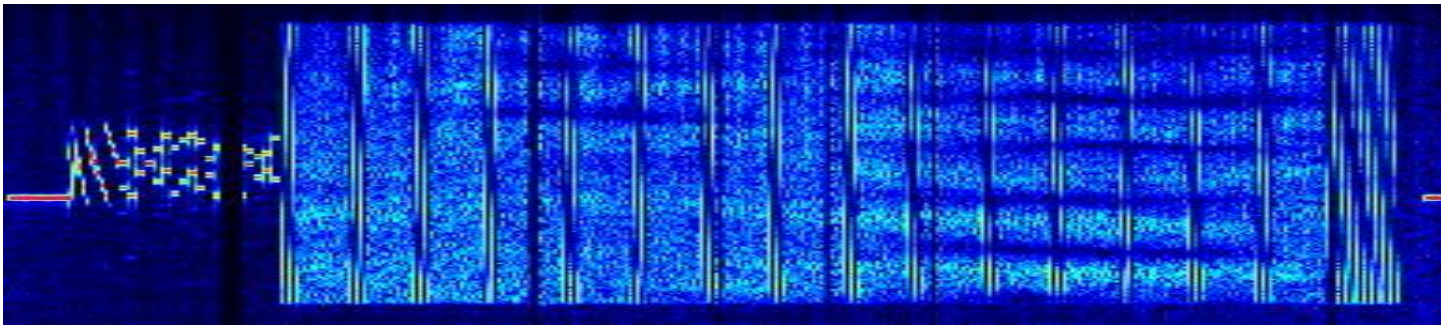
MFSK + OFDM



MFSK + OFDM



MFSK + OFDM 48 kHz wide



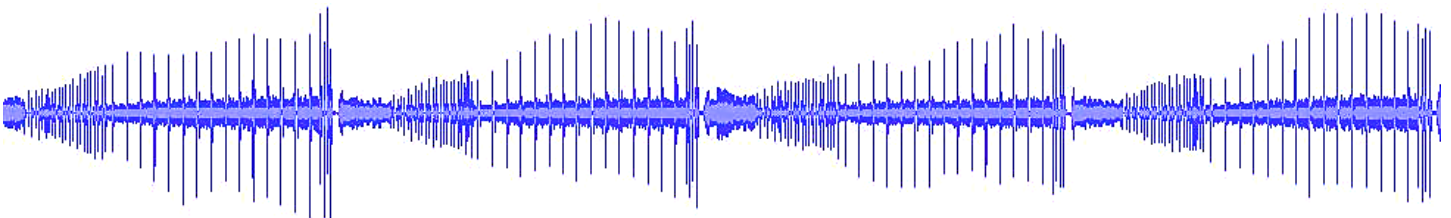
MFSK + OFDM-256 12 kHz wide

16255 kHz, 14-10, 0935 UTC, MFSK + OFDM, 35 min
 16255 kHz, 14-10, 1305 UTC, MFSK + OFDM, 23 sec
 16255 kHz, 14-10, 1307 UTC, MFSK + OFDM, 2 min 24 sec
 16255 kHz, 14-10, 1335 UTC, MFSK + OFDM, 2 min 40 sec
 16255 kHz, 14-10, 1339 UTC, MFSK + OFDM, 1 min 44 sec

16255 kHz, 16-10, 0801 UTC, MFSK + OFDM
 14318 kHz, 16-10, 0807 UTC, MFSK + OFDM

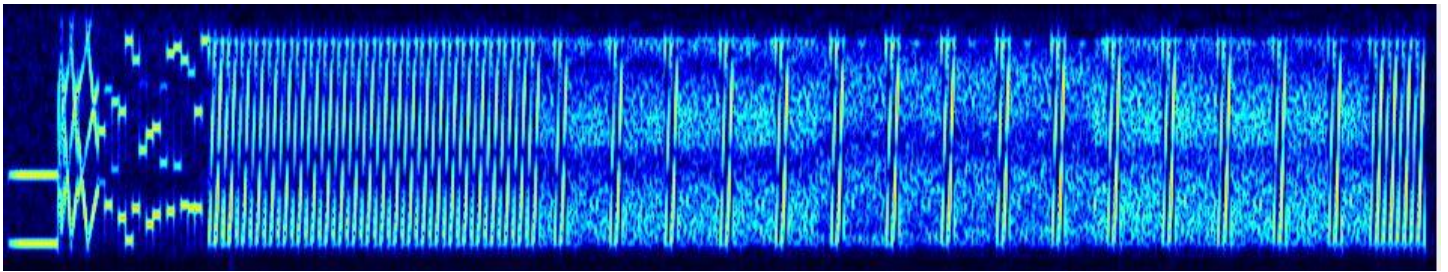
11454 kHz, 17-10, 1415 UTC, MFSK + OFDM
 11454 kHz, 17-10, 1429 UTC, MFSK + OFDM
 11454 kHz, 17-10, 1449 UTC, MFSK + OFDM
 11454 kHz, 17-10, 1547 UTC, MFSK + OFDM
 11454 kHz, 17-10, 1609 UTC, MFSK + OFDM

14318 kHz, 18-10, 1102 UTC, MFSK + OFDM, 10min
 16255 kHz, 18-10, 1323 UTC, MFSK + OFDM, 1min
 16255 kHz, 18-10, 1328 UTC, MFSK + OFDM, 1min 30sec
 16255 kHz, 18-10, 1332 UTC, MFSK + OFDM, 6min
 16255 kHz, 18-10, 1343 UTC, MFSK + OFDM, 6min 40sec
 16255 kHz, 18-10, 1357 UTC, MFSK + OFDM, 45sec
 16255 kHz, 18-10, 1359 UTC, MFSK + OFDM, 44sec
 17528 kHz, 18-10, 1405 UTC, MFSK + OFDM, 12 min
 17528 kHz, 18-10, 1422 UTC, MFSK + OFDM, 3min 55sec
 17528 kHz, 18-10, 1428 UTC, MFSK + OFDM, 39sec
 17528 kHz, 18-10, 1431 UTC, MFSK + OFDM, 1min 56sec
 17528 kHz, 18-10, 1434 UTC, MFSK + OFDM, 2min 12sec
 17528 kHz, 18-10, 1438 UTC, MFSK + OFDM, 38sec
 17528 kHz, 18-10, 1439 UTC, MFSK + OFDM, 3min 41sec
 17528 kHz, 18-10, 1444 UTC, MFSK + OFDM, 20min



MFSK + OFDM

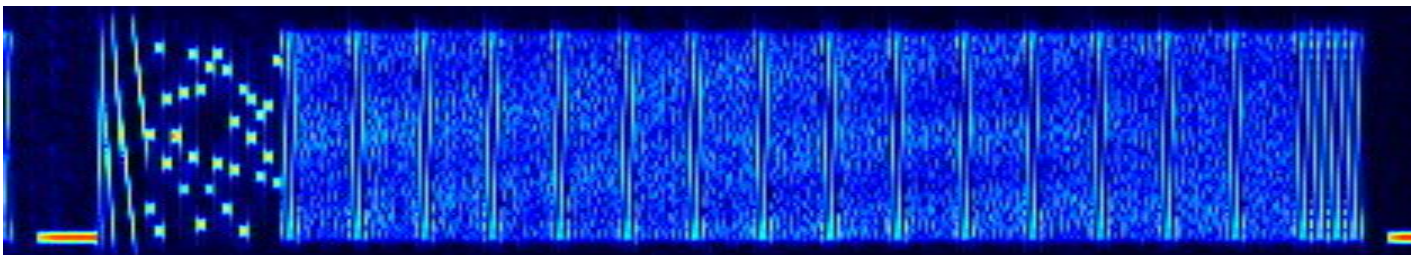
16255 kHz, 18-10, 1540 UTC, MFSK + OFDM, 16sec
 16255 kHz, 18-10, 1541 UTC, MFSK + OFDM, 27sec
 16255 kHz, 18-10, 1543 UTC, MFSK + OFDM, 4min 25sec
 16255 kHz, 18-10, 1548 UTC, MFSK + OFDM, 16sec



MFSK + OFDM

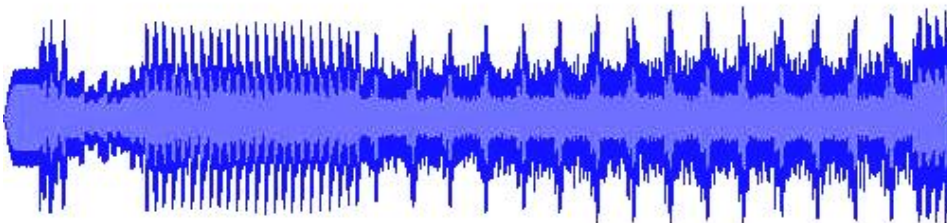
18050 kHz, 19-10, 1029 UTC, MFSK + OFDM, 44sec
 18050 kHz, 19-10, 1035 UTC, MFSK + OFDM, 1min 34sec
 18050 kHz, 19-10, 1110 UTC, MFSK + OFDM, 1min 19sec
 18050 kHz, 19-10, 1117 UTC, MFSK + OFDM, 4min 11sec

10318 kHz, 19-10, 1434 UTC, MFSK + OFDM, 12min 20sec
 7863 kHz, 19-10, 1455 UTC, MFSK + OFDM, 9min 40sec
 7863 kHz, 19-10, 1505 UTC, MFSK + OFDM, 11min 6sec
 7863 kHz, 19-10, 1517 UTC, MFSK + OFDM, 11min 10sec
 7863 kHz, 19-10, 1531 UTC, MFSK + OFDM, 3min 16sec
 7863 kHz, 19-10, 1536 UTC, MFSK + OFDM, 1min 22sec
 7863 kHz, 19-10, 1537 UTC, MFSK + OFDM, 48sec
 7863 kHz, 19-10, 1538 UTC, MFSK + OFDM, 6min 9sec
 7863 kHz, 19-10, 1650 UTC, MFSK + OFDM, 11min 46sec
 7863 kHz, 19-10, 1704 UTC, MFSK + OFDM, 10min 17sec



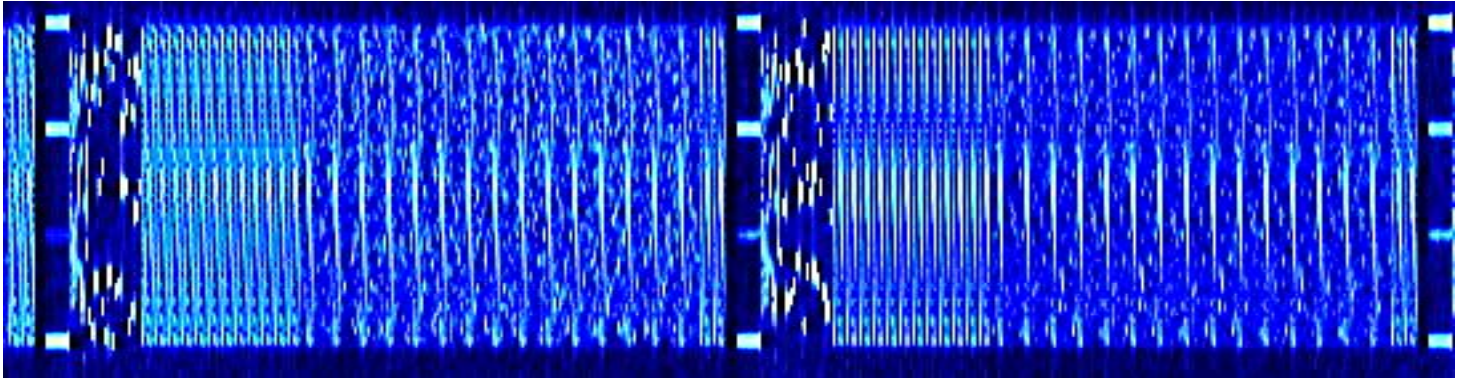
MFSK + OFDM-64 3 kHz wide

16255 kHz, 20-10, 1020 UTC, MFSK + OFDM
 18050 kHz, 20-10, 1028 UTC, MFSK + OFDM
 18050 kHz, 20-10, 1040 UTC, MFSK + OFDM
 16255 kHz, 20-10, 1055 UTC, MFSK + OFDM
 16255 kHz, 20-10, 1145 UTC, MFSK + OFDM
 16255 kHz, 20-10, 1215 UTC, MFSK + OFDM
 16255 kHz, 20-10, 1217 UTC, MFSK + OFDM
 16255 kHz, 20-10, 1220 UTC, MFSK + OFDM
 16255 kHz, 20-10, 1255 UTC, MFSK + OFDM



MFSK + OFDM

16255 kHz, 30-10, 1322 UTC, MFSK + OFDM.
 10890 kHz, 30-10, 1343 UTC, MFSK + OFDM
 16265 kHz, 31-10, 1219 UTC, MFSK + OFDM. (4kHz wide)
 16265 kHz, 31-10, 1303 UTC, MFSK + OFDM. (12kHz wide)
 16255 kHz, 31-10, 1424 UTC, MFSK + OFDM (12kHz wide)
 16255 kHz, 31-10, 1445 UTC, MFSK + OFDM (12kHz wide)



F01 – FSK 200/500

11136/9074/7723 kHz, 04-10, 1840/1850/1900 UTC

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

F01 – FSK 200/500 Mon-Fri schedule

11129/9082/7344 kHz, 02-10, 1015/1025/1035 UTC

53257 16628 89228 62532 63375 78391 28421 82908 50134 18139
37576 12337 73254 34629 56514 21383 49932 73593 20901 49651
15412 84072 00730 46002 83499 57640 41530 38974 94960 77937
07876 56974 45241 54076 28962 47863 44450 61357 58543 46712
18708 59156 12420 02131 34072 67878 18181 54865 83326 71638
72348 42296 02165 67910 32392 77229 56945 75094 98287 74461
71230 33921 63317 23522 83270 63650 38794 31053 51642 58988
82402 81251 51208 38664 84835 87813 26607 81606 94425 35830
95443 11655 84443 37046 18376 16742 92769 46947 78282 13486
88608 17101 35704 93134 45946 81180 52735 09791 28430 98126
02565 96857 15367 00868 06851 22655 23515 24053 68107 21118
04370 09219 89305 58544 21625 10830 97867 22310 38492 51688
16238 42487 69576 00964 46232 82324 76989 73591 59334 58500
15387 74168 10147 77103 55618 33967 15165 96272 41677 14447
64078 51438 60648 75701 55770 04092 30315 33291 76224 00032
34145 51889 60497 48023 58317 49181 05976 54799 10489 08455
29082 77346 24995 23326 82627 78422 84149 23019 75992 96224
10357 51660 65337 64158 08707 00013 06008 41643 64751 13083
84340 41888 27131 22049 71056 67583 29770 73947 63408 90427
33297 57538 08304 35456 90395 48811 23558 56077 64767 24553
59486 10779 58396 17420 68015 77428 26806 10949 71498 66108
86979 97953 48&27 16422 47660 50731 78226 90215 16687 76521
12318 95643 65079 56667 63637 03521 52543 92895 31804 41890
44089 09163 06114 79767 72456 82512 13555 35965 26016 01370
04038 73960 66863 74710 90002 68736 08759 40558 82629 56534
09632 47221 91801 03444 58314 05734 82033 53793 60205 36916
01543 44249 51548 61504 26652 94584 97004 06791 88712 11031
50222 28195 75731 63232 82074 69218 25902 20501 06264 08219
55201 58714 56980 65431 86273 73385 98291 68689 70756 60090
69961 01269 22264 48101 99986 80295 02194 98186 34326 39168
25554 00503 76121 12410 79001 33524 18099 46407 68270 69944
18825 84460 37189 40493 64922 99594 25455 91588 03114 73550
57380 97789 46204 45415 78770 14959 82661 78317 84142 85092
44514 17620 01461 28746 13222 39060 26577 85992 68234 10268
24567 91859 07905 14098 40153 97171 97458 07220 84385 70737
23698 12393 89793 43833 96113 66787 95117 82895 79240 82413
94214 01385 45477 69185 39126 46737 03847 57255 51504 23361
33594 03855 97562 37602 17779 56004 45965 75611 76403 34875
83411 50077 43772 41357 36198 76723 94777 06245 14907 66547
49806 33489 24438 44705 12936 09965 06555 32002 23129 80165
07139 49915 23099 09286 85340 35088 75533 83115 06811 74239

81383 18195 88196 95415 79875 80647 85106 76527 34955 37160
40705 57113 37850 86512 37155 93425 00000 +++++ +++++

11129/9082/7344 kHz, 03-10, 1015/1025/1035 UTC

16822 82525 44567 45976 51804 13848 08534 29038 15586 36760
51216 23571 96498 95723 83954 06466 54932 47450 39119 58593
65347 89710 07877 22378 47838 37885 16716 53197 68927 47714
34945 25587 16297 07677 30317 80148 77122 49430 15002 22138
74714 49757 49067 07630 43148 22459 93672 78238 44560 23615
31154 30294 58824 18676 94197 29440 00262 84790 71272 06571
41101 46846 80526 96061 46356 70618 29330 02217 49826 61496
01645 04878 25888 42215 40415 40128 36777 08023 17167 17041
60055 82729 06002 94083 00000 00000 00000 00000 00000 00000

51057 21620 63526 77624 91478 05232 59716 02258 98192 82231
90268 24867 70938 96689 77461 41490 88119 06730 17358 34665
48533 11868 10243 94369 19817 14037 59521 81247 98333 35754
56253 18059 10166 43833 91529 20291 07914 52124 63860 01861
42973 01674 73776 16859 18004 41781 22819 23264 49244 60357
59118 79569 93389 37047 36735 10253 18705 17541 80961 01036
25058 32508 76771 09862 42577 09609 22595 04539 63597 52000
16615 62976 87603 81789 67777 96960 83844 95077 00000 +++++
+++++

11129/9082/7344 kHz, 04-10, 1015/1025/1035 UTC

40374 42735 75050 31475 74413 50908 56104 89159 82232 73623
20868 34457 _____ 99971 84708
34884 80646 21013 91289 63223 42366 44090 50838 40675 22611
82385 88528 64377 38379 52514 20506 55469 72408 28295 91533
91053 51685 27053 85223 49131 90893 20624 97813 71216 24246
88248 71411 72319 74130 53562 47653 52974 30009 72836 27704
93007 36011 66693 89548 31733 10654 12455 18502 64258 47126
39326 51883 08595 67582 93604 73780 23249 29875 66084 20860
80001 10162 98865 85140 21539 09839 13741 24680 58640 60217
29351 18115 86600 23397 59303 23973 25585 12772 08424 30724
14588 81591 09353 08476 13700 53040 66653 98278 94359 90246
00628 99960 22284 29674 08029 44436 62756 63581 85761 42114
62973 84247 57419 78503 91121 70595 76853 12494 36887 37004
89286 38995 03075 96398 28841 51143 43027 28849 37642 43433
23535 14868 26047 81589 17924 19587 87260 44404 58996 76242
08536 48488 06538 42421 46142 91866 90948 27495 56293 77363
64407 14688 99219 01702 09151 26203 58568 21279 91046 04858
43325 30520 04660 10660 64449 13779 94593 55766 03394 56712
56095 26248 14710 28058 87708 64118 29929 67762 75670 08051
54888 42397 14725 16221 77714 53794 95060 19723 29627 11841
10042 79980 65771 07379 64430 48607 58255 46127 87780 53142
18574 29590 82703 57102 91628 93866 _____
_____ 50213 32975 02231 51063 59571 06782 05859 39739
43420 67347 10108 42194 32362 48411 62735 _____
40782 65706 90260 87830 50284 63615 _____
_____ 60226 16249 40155 76036 49131 67737 74905 48738
69415 63094 71665 83879 59151 68536 15788 _____
83315 17502 04710 86512 71224 32788 53111 54664 74250 16968
07819 40121 75483 64660 12804 92110 42916 00086 85441 53829
49144 44301 96409 80694 56390 09083 82893 25109 34056 53419
74771 86153 00971 35343 84874 76771 09549 42381 68272 53184
14012 19548 79434 90990 89896 _____ 97009 35189
48993 _____ 80337 97508 09937 42162 64866 67074
50483 99010 72342 83808 46832 23740 08849 20380 48629 71088
55668 96175 92632 98943 47726 88234 51121 79130 71261 38370
61260 12974 85427 79920 52608 37601 97503 32568 14959 33887
50483 99010 72342 72008 74231 39475 64881 55527 90343 14862
27175 49953 _____

48198 90402 09250 47423 07028 18964
24422 86589 26699 04009 08513 19412
33881 08004 45947 13161 65935
84459 30936 60538 59425 57098 30916 98573 96417 00000 +++++

11129/9082/7344 kHz, 05-10, 1015/1025/1035 UTC

23917 72062 23590 02950 71865 19521 10698 43712 82544 11058
78147 24994 85204 85971 62637 06343 32823 60392 76054 78320
08861 79822 61890 13334 25130 27227 29483 05618 65468 60142
33289 36312 54894 75221 89353 24584 58943 23652 46180 50715
42865 25904 52177 62102 45377 59217 86882 98102 46642 16290
48135 94670 35191 58590 12401 54707 03443 12742 10420 95081
26532 83402 85384 06240 04129 81094 25817 85354 69921 88406
90341 28945 98479 13017 66543 95911 64152 00969 31095 76907
31716 08635 03335 31010 83439 97085 00000 00000 00000 00000

85649 10141 65088 85976 64766 73355 28963 92711 76947 35266
86043 28142 66242 52535 76638 53845 15720 91352 60978 92332
19747 07611 13811 68789 36449 27952 23398 74789 50034 80130
37086 64917 97668 46136 20657 22246 40583 36502 23621 53589
84115 09242 67670 00486 76363 81859 00453 76837 40129 09856
81872 69146 17868 30182 95091 60293 34296 93064 99431 62774
06379 30658 67353 72367 55351 35940 72706 78127 00495 50306
22443 89680 39326 83287 48960 67732 43905 12840 05296 68741
27946 39633 30321 39688 64409 93784 76160 23879 58279 17470
14992 63722 04195 71847 67435 11418 83637 41746 19712 83491
81356 98101 00000 +++++ +++++

11129/9082/7344 kHz, 06-10, 1015/1025/1035 UTC

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

11129/9082/7344 kHz, 09-10, 1015/1025/1035 UTC

60447 05717 18068 37192 81493 80623 60411 85126 88103 77565
10572 93160 64327 88444 61329 66567 18432 39145 39845 04807
40955 23544 96429 39093 61291 30185 56684 86860 88745 91318
85458 65301 49009 09000 36065 31184 51967 37915 83178 39119
51809 29639 62877 35479 85344 68007 68234 30140 99492 50283
73925 13252 03861 93820 88271 09208 09364 72893 56163 85017
38814 15402 61302 55253 20417 14111 01192 50770 00124 32146
33325 43382 33759 07403 15997 43684 44880 85569 92187 14207
59291 36462 89944 65082 52155 33330 37710 24435 68643 99856
18023 00644 04054 54504 08045 78706 54346 06927 80332 17864
73018 86108 62301 42678 95267 04936 77828 44767 15382 90874
19408 37358 28286 37463 24317 29869 71180 56271 53229 14694
26226 34058 94691 83383 70196 24777 43937 14408 82035 31137
29430 99686 44272 55405 85624 02083 99213 24131 95332 61028
45862 16480 50174 88498 88494 50882 02518 22489 72835 09653
07375 30216 70771 06298 77662 78195 99532 25181 01289 11417
86283 88242 93493 08778 14070 28452 82870 06984 10039 74691
54532 10084 61894 77752 98830 26844 73498 32127 39086 03138
95586 73295 36756 41546 92502 55185 97487 25351 30918 37492
26477 89105 01455 37557 06592 02985 09156 26476 97680 63083
93746 74136 80513 04861 65613 72874 93783 81923 68442 94417
37622 77319 04460 59835 42045 39542 83203 27145 23785 60433
79770 26298 79936 37161 13473 96207 91856 85470 82838 03518
37757 96392 17902 47795 37423 53598 35719 82838 77500 53578
10032 08788 90790 95851 91043 14718 87975 35372 36221 76411
65234 14339 38070 38998 36169 15579 59826 39133 61484 04708
14988 46431 74864 53239 51634 28808 28471 59848 27473 71451
06513 11963 86537 04082 80316 54865 73491 16203 03343 60519
46465 65034 69576 13276 74359 05804 83734 54670 29566 99084
16732 54483 12038 74880 44832 00260 65634 58131 95932 22477
72697 85332 51413 97541 37789 66957 76989 95802 96517 75361

81007 66776 10409 62874 23616 78765 33742 39742 25259 55058
63304 66626 47918 73896 06984 41345 47548 24405 32154 84531
21142 35661 79780 53912 96857 21096 55182 41884 40660 05420
31398 36079 77888 26252 26085 47604 53218 27641 37887 36649
77428 87676 53216 90134 34426 47359 59383 31114 46966 32940
25012 64587 24496 88889 33669 89433 41565 63715 81672 31146
20242 15785 75972 75051 14972 31364 93092 04711 23315 72048
85023 75174 70992 93772 43039 75798 44700 04596 55358 62292
71101 53438 19584 62692 65457 66965 95876 86953 98314 76803
11779 99401 00000 +++++ +++++

11129/9082/7344 kHz, 11-10, 1015/1025/1035 UTC

61912 26112 51800 80538 96976 31646 68877 87709 07227 78890
35512 22975 22771 20307 72722 52580 69374 85764 73950 94992
11616 64042 70208 48932 79584 87490 32578 55097 61548 60088
56367 37996 38581 37832 94723 71094 99306 98805 60459 55288
80617 55158 89750 66201 94524 14053 93159 91795 56369 58988
29453 49587 90541 40300 54247 25684 81545 45219 78304 44431
97440 48091 65989 12687 09533 47036 89165 82415 97818 83290
06061 33094 35579 69075 13815 78249 32404 26979 13888 90241
57034 98250 33642 46837 31158 78433 48723 01087 00000 00000

83582 86606 99574 86432 75071 87299 81222 71157 10600 75445
51269 20685 87057 82106 68049 82428 88305 02510 32126 33300
64203 40285 36639 36474 99980 60143 09631 28953 86247 44060
94779 33353 04414 24172 13451 71724 03656 35765 35868 38453
97414 97744 54101 34765 24916 38453 97414 97744 31306 54146
58580 82570 74665 06750 79009 54542 34023 29728 23707 49367
31327 05492 76336 70763 18134 35539 12834 91989 17554 18303
40478 34275 24415 00211 77244 13208 16671 37820 05132 75670
08488 63991 02875 98351 36870 00047 75280 47665 34434 23776
87055 73962 21957 51774 46793 93967 65006 02097 00000 +++++
+++++ +++++

11129/9082/7344 kHz, 11-10, 1015/1025/1035 UTC

61912 26112 51800 72781 82955 91046 84442 20613 19380 74464
27492 65677 22771 20307 72722 01385 96966 60382 12439 70705
24748 73866 31601 90809 79584 87490 32578 05374 85152 96855
26937 30251 20147 96688 11861 57846 04842 77995 12196 81721
65671 25723 62595 31729 77536 85220 02018 39658 65613 53986
22577 00371 14604 74953 99539 19511 79365 00832 99803 63316
36075 38911 08265 44610 96507 27214 66730 40109 15598 64019
36896 12993 68639 51317 65657 24189 96217 41439 02293 50389
99107 99547 15007 16197 34043 78430 87778 42891 63206 12322
42466 76575 05569 61473 46491 83316 69779 05232 81423 70408
06048 50946 10496 17852 43599 23515 64203 86031 84902 41247
45875 43317 02420 30407 42577 81377 99830 26453 03013 07413
61026 32098 71324 49366 16110 53980 95520 37644 86539 42037
64897 22272 29536 59149 73811 49563 07719 68285 13256 61137
35373 40900 02144 97000 80745 94025 66898 75769 04830 07019
59239 98137 21422 78272 66480 72679 53603 18462 16473 07174
40022 96621 73428 97983 76815 92591 30916 24500 61960 40618
38763 13339 30388 19597 20837 83415 05903 26594 41010 78205
89760 05926 61755 85897 32817 77042 41281 21864 22635 28163
56304 53639 77472 08681 68593 48302 06739 03571 43026 03226
62298 62559 77808 66066 09846 96721 33999 03172 65817 28197
42283 87213 45983 20406 11859 10599 45179 12390 89532 94488
50533 08801 28023 62392 59377 17855 56403 75543 77629 36197
83990 97850 83645 81433 23290 50507 74151 21647 78797 88601
34892 59156 11623 88923 45567 51767 10476 98370 74625 12848
05455 92551 30296 14721 70851 39522 17653 34856 27152 78874
58313 07883 79106 30165 92691 16914 69392 44640 23356 90495
72235 85435 50835 58955 89660 54253 34325 06186 24869 64012

26117 68779 90807 80125 77654 96540 54263 38544 54567 12560
75630 95763 22745 36840 93944 86156 53709 84363 90984 41441
72766 88618 05453 83525 05582 78406 61236 19874 42923 79088
33362 21668 49709 61975 99524 00341 07920 88991 34375 57323
08825 03575 84254 47242 53781 08324 12331 62494 69380 73948
28799 61951 96630 01786 76604 89883 17826 50100 68524 22762
90036 29259 27269 25421 58462 65788 08693 15646 30779 45002
27951 95745 21110 96608 40168 94018 90068 74716 94967 69650
58486 77256 02965 29800 99336 10657 95956 08985 35329 32137
04055 22908 11174 04752 45128 11600 93180 48139 90522 34945
38962 06700 49827 37648 67909 79414 11015 60618 08375 09191
38611 91432 70411 91852 47119 84092 97075 96405 38889 00053
05851 17367 28819 89637 00090 59606 00998 30224 82200 55746
47907 74459 01021 76007 81837 94354 19795 51572 12980 15482
74757 87104 24618 81082 56453 14676 55125 74549 39530 95756
75027 03431 00000 +++++ +++++

11129/9082/7344 kHz, 12-10, 1015/1025/1035 UTC

35983 74955 75834 40175 90647 57827 57139 63033 26893 39746
30675 67877 51477 85887 93056 19598 83178 12266 32481 04774
62426 76976 62664 64254 53452 80083 78702 65508 74642 92619
75253 18248 99688 46168 36963 13686 03359 01534 63548 17667
55332 53372 09661 12793 73019 56950 52860 66452 89969 66915
96838 13224 96263 86848 74188 56108 19948 21548 19596 36235
88053 74515 68590 98109 18851 26553 42821 46709 34629 34139
75337 84177 36649 58411 60069 87235 24246 49494 47270 19050
61946 13346 03208 76076 66969 72287 85953 46522 69443 74181
71988 43490 59244 27962 60114 70412 22592 04097 00000 00000

10194 22399 51292 20184 63846 19343 03182 03938 40818 49845
79273 16024 65262 21179 54434 36935 04317 53869 05087 61538
98221 22189 18987 68672 91415 20195 24330 75350 08692 81443
48907 54459 96403 23583 14091 29757 90380 09280 49192 87507
91316 46478 70020 67375 81441 67744 29278 24995 43775 55209
99756 53555 76012 77695 68580 44107 70937 03280 90738 63532
19662 42880 30447 83108 89821 17513 59796 03214 48088 24963
37706 06087 40040 71951 38291 58074 66186 04637 96918 69145
74466 67807 16792 67532 16268 81539 85394 42790 03215 78783
25597 05091 00000 +++++ +++++

11129/9082/7344 kHz, 13-10, 1015/1025/1035 UTC

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

11129/9082/7344 kHz, 16-10, 1015/1025/1035 UTC

48153 39516 60996 30135 49446 39819 30090 62916 06944 42011
29867 27114 03336 84306 85587 14894 59545 65448 91306 43983
51483 02036 71382 83083 51084 86849 08356 27266 87997 42880
38941 83885 05847 92828 58967 82502 13456 36663 50591 18106
23778 82782 80311 08607 01218 27872 90700 26219 56677 32803
26797 30288 37464 55668 93356 81117 44258 55398 10393 78423
85010 49353 76654 06674 22424 25868 22499 95378 21718 47162
41341 04464 74392 01621 37524 64553 44324 29946 16457 34110
04622 09353 26446 30144 24334 37506 79584 92173 43222 88634
31172 11843 11712 13725 55975 32073 80741 78257 17742 54767
02541 02504 64269 33355 78155 47632 61457 90738 79221 13778
57212 25325 19765 93144 91541 71760 29535 65601 89589 08150
27314 39648 16875 83156 30071 06087 05889 67718 16732 05946
22465 92637 52218 12627 21129 70856 57966 59779 11814 55160
27788 02524 51616 60801 01048 59504 00254 00717 04669 77018
45418 80034 04760 80816 83559 96250 14262 04200 62018 90641
57105 16768 08729 80036 96310 01147 69988 84512 04202 91481
42561 75294 01761 78897 21513 28738 39918 17857 86542 97087
74810 53470 70186 43337 34334 68344 77636 09982 66636 68482

88882 64032 06652 45763 52536 47988 22782 24893 28046 31760
36688 97794 26652 86161 87346 92579 58867 41045 42359 43605
48740 73733 14840 81590 00803 99240 16895 04039 23496 62563
77211 42987 68060 22172 60551 43424 81080 09002 24400 91814
43576 84184 07064 03377 92753 63255 57472 26011 84859 44311
22962 85361 73484 57343 22572 49331 63336 94699 86905 65953
21495 44408 83939 29739 89650 81214 49643 89089 82683 43677
40579 73252 81935 28386 27638 50522 51144 68086 35404 57418
09702 20091 04619 37500 10468 60326 76477 50919 67316 45032
18774 26324 73235 08746 62983 96824 04031 28082 63500 93525
49592 67571 40367 59318 25562 58831 13112 91383 21600 38028
24378 14178 79366 79726 07905 87981 70901 75957 10496 47731
44581 82399 93256 06938 11576 61326 20244 69712 42192 08690
12656 59070 71735 73326 55595 91905 21281 68385 06466 32246
20829 06298 07451 15765 97660 29823 06421 88795 86602 03188
23905 96389 90105 96632 95597 26843 19715 91459 40581 75132
75464 06406 19698 58904 78506 70282 33579 89344 69840 22696
22564 13799 75645 08236 55562 67363 56971 07217 59444 65771
57083 07492 99443 63454 23538 28072 07739 80735 86387 94398
87541 06169 45252 26242 04561 21152 29544 16333 08213 67738
70412 19674 10029 60211 50732 04436 48978 77452 66786 56434
45638 01281 93300 62374 80656 48853 50025 51069 51038 40862
91310 95001 21120 80448 46693 23788 94429 10994 30608 23448
55257 85569 65289 06423 00000 +++++

11129/9082/7344 kHz, 17-10, 1015/1025/1035 UTC

82174 95253 11208 93118 00253 58960 14576 05149 63743 60186
96104 29092 46779 40046 13308 48933 91116 54553 85781 90366
37339 29443 01882 14037 27651 44744 46954 10012 35951 63806
73027 63548 93580 71541 65539 67896 38493 93551 56494 66843
17825 64813 33722 02991 37512 05961 16053 82907 45265 02489
20745 92857 43329 04135 89530 84157 55035 19289 54113 47788
46469 77006 30512 99703 08688 02951 91187 70772 65509 00930
58702 64932 84420 01473 18380 48933 91116 54553 59322 85817
16372 02325 50919 56432 07499 20606 34167 43063 38503 86200
42004 66263 99324 72756 38153 85341 92791 07097 00000 00000

32291 95999 93372 73349 48489 79221 93471 87877 89924 15618
86299 57806 60413 42295 16695 55391 31632 06817 52341 81102
54690 50379 48407 98278 13399 90536 56147 57400 88519 16768
34039 77721 34980 13800 46385 55349 40286 79424 52407 43309
22042 61927 68591 14777 20254 56127 02754 04462 87298 00818
88883 36475 71088 51715 07828 29980 26862 17232 32704 42348
71403 99023 46539 52257 82429 55224 74531 96552 00467 44958
31203 43497 54537 53600 24309 50496 98882 28157 55752 69481
65139 99049 76478 94332 14210 42536 61641 27483 07182 40209
80781 09795 55654 62954 52810 48624 52144 15604 57943 08099
00000 +++++ +++++ +++++

11129/9082/7344 kHz, 18-10, 1015/1025/1035 UTC

22438 20423 06332 28674 10615 50557 80712 80416 56595 05739
89055 55556 09073 96322 94509 13976 50399 85342 68915 25339
70897 29640 59121 22354 88049 81960 21611 87286 19169 14294
84173 74452 34579 07434 60524 42582 31448 01588 88357 45901
35596 94672 20803 08478 81936 47036 44767 25212 00268 28626
02657 41085 61072 07732 33770 62279 04564 04476 91934 25913
31117 04492 71932 53763 37289 42547 84127 72812 41067 62553
88859 86408 76632 28156 41886 15024 21511 34606 46346 55260
11372 61659 51854 65747 01864 31202 00137 36985 60872 69608
01792 69637 08770 36585 12465 85118 59257 48017 29730 26405
64992 14836 25442 03989 74034 52837 36450 58529 81407 06193
48197 70006 48193 29535 96002 92516 33018 09324 84556 30635
60443 76964 47516 41014 60752 09161 79378 08313 75747 27440

03199 37781 34543 42910 85901 02660 24808 15904 74372 37107
66459 68257 00982 95611 03793 20473 25394 74406 73740 53042
98254 28923 86620 71595 00651 34313 08955 80303 72565 03662
32965 17089 66449 43470 69042 94267 88872 24935 14351 88610
25442 17522 70599 85862 09011 62016 73636 36054 08853 94233
04221 22450 76137 24890 31295 00859 56722 85032 59598 38908
80977 37255 41228 46811 22205 01020 21752 41604 27513 80124
64596 88652 59050 29745 53403 52147 41951 92430 19668 77403
12746 36483 96209 06110 69667 36919 74944 18465 30231 68176
13507 41975 54149 93397 43358 47363 37788 93189 56020 31043
64892 20884 86135 27904 94372 12920 63106 12512 87209 09954
68292 00285 34328 40964 55950 26388 97569 25918 75329 15919
17763 78630 15558 64139 75280 22681 14186 28174 49590 69250
21842 22708 49820 97296 37651 26840 17881 75736 36371 75483
17166 00461 64766 82675 51462 36215 31030 30413 84658 87364
40738 10498 50712 01302 60432 88289 65020 21878 82364 41943
07897 67274 47516 88230 00747 10148 60547 39567 59029 65479
77241 51623 95337 22237 10822 58645 51097 14458 14064 83126
62323 68014 04634 39980 41383 33161 37552 11947 22883 17390
27852 61373 51748 32634 92257 75362 34079 57196 11181 18384
46123 78678 72189 09582 41531 85342 94676 17742 73393 31852
57714 96935 62317 57755 15757 53609 45886 70886 70264 31425
73404 23892 19505 30304 40125 69965 80837 96632 56356 12470
20644 11500 55418 88576 19722 51618 41317 41400 80600 36691
57743 47187 77525 70332 11173 45846 95443 24308 59946 56800
68659 78561 60925 45457 04573 76295 88628 39010 90581 13164
37677 48313 84627 21605 63558 52910 97105 70207 67959 26706
71970 87899 62683 37011 31897 32787 90090 64474 96619 01614
54672 62908 86031 09413 00000 +++++ +++++

11129/9082/7344 kHz, 19-10, 1015/1025/1035 UTC

81926 09669 51422 30918 83704 48203 42232 61491 91353 45238
67003 93701 06759 17571 22879 14638 49500 61990 75108 48200
00175 47679 11863 27219 63065 77696 85652 77334 76147 92388
82707 18670 53033 70962 50249 05058 03094 46707 00749 01906
91895 68209 00395 62485 88085 53619 73484 71723 51006 47211
15422 41574 38054 19332 66713 63546 76078 69697 05516 83995
02241 97547 64996 12637 54451 12142 58679 23634 64789 08971
38727 46664 85560 66451 24378 31294 72416 09204 70270 40999
27941 53866 63680 02294 68771 97379 12493 19151 00635 59967
49880 10091 00000 00000 00000 00000 00000 00000 00000 00000

39358 28399 09474 31811 84457 81150 21253 55389 20951 93783
04800 23580 48012 21878 42018 90074 09725 33716 37494 08263
24132 18859 31706 56443 62090 66094 38193 44118 51070 66760
91034 51962 78250 65521 11944 77830 18496 95584 78988 98558
64068 54918 37416 62701 60754 00726 81627 47681 89924 71087
38297 33493 55158 12855 88142 62630 38802 23861 77065 39709
62774 83078 16394 80571 18013 22911 52893 48149 13010 06400
20168 06844 89047 83272 22127 50656 21676 82298 68746 30262
07979 49416 75677 50587 61189 75567 59190 18796 28719 80116
18233 97280 08809 11093 00000 +++++ +++++ +++++

11129/9082/7344 kHz, 20-10, 1015/1025/1035 UTC

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

11129/9082/7344 kHz, 23-10, 1015/1025/1035 UTC

22392 04955 23839 98020 78545 61465 82243 13742 37904 49631
57562 99128 33431 30262 80030 93300 74598 31943 33019 78533
43038 13526 77704 18456 27965 21033 54565 25684 53311 12556
22510 83044 27653 13193 01530 14729 33386 44559 48335 97223
07383 37595 44516 78909 35894 66929 46649 97243 17918 86927
54629 27442 84720 15626 53182 28351 87701 60425 06770 55075

12870 80147 38333 51311 36186 47921 10056 29504 86360 69168
34768 66488 97568 39703 75108 13684 22395 15147 89432 67747
86660 90013 06972 54250 18398 57695 80992 27145 32330 97718
76770 48242 25729 80205 97643 32569 63705 00180 96726 03761
89443 81370 13470 47979 26937 96455 06239 06201 70567 48590
37043 41966 57203 38463 21577 85016 80952 30235 91410 18543
80651 07866 16147 84024 88919 40698 07360 40870 76884 03710
70492 43851 27824 60568 60206 00240 55563 03657 35363 61110
71405 32020 64436 32163 25929 45387 70362 88053 89244 22753
48083 47351 65602 16552 54465 05125 94432 87930 79530 00775
43193 38355 20637 22110 39993 55638 42695 22726 42071 78692
91398 49375 00875 25705 91656 38052 62657 31841 31928 77134
01902 29327 66449 86601 12247 62152 98627 72359 71953 42444
64714 43538 34662 41489 95538 62591 97805 97044 06255 02939
48965 31817 25835 99525 29579 13930 03963 42026 43788 83372
04611 91061 41708 93382 44335 54847 83108 39631 57838 53547
43012 91888 07448 49193 58058 95428 24617 87283 36861 69892
02827 33779 55733 16035 58168 44399 24010 60249 46775 35910
09233 55717 29857 03731 83397 51678 75759 54993 71486 37711
40814 27139 32088 79279 21692 16204 25651 97165 98101 40031
37754 00152 19592 01895 03446 92288 20508 26917 62457 44219
69931 69488 37793 78522 37231 27308 22717 48523 47178 95256
56999 90627 15825 78622 87663 26928 91629 27362 93957 76289
72634 22133 17640 61923 40945 72272 71559 04752 90771 82588
15496 50465 23882 97695 94204 83283 97677 34306 87835 22470
33268 69482 93919 31957 07097 45389 12851 44879 97835 05475
89358 84804 72821 56393 95628 96528 52984 63846 51389 85701
56069 31846 92923 51119 39118 01883 48934 31054 94034 63250
78978 26491 82842 13721 22914 39630 73891 30929 54131 26361
37224 31598 86090 85490 20269 04037 18290 35870 10663 44358
19613 80669 00512 16912 28655 92958 62624 56409 09473 43517
15142 59307 36114 63971 42122 39443 49368 91073 09466 70576
37214 72360 92170 56966 17121 14181 46379 33455 48734 08494
65271 55169 59331 38755 32787 25286 63810 94154 22614 40848
29509 04720 83270 44601 99423 57915 58318 61375 70750 88816
97438 65763 30106 07122 81914 82162 79307 12308 05412 19467
05222 27095 08712 04385 86100 94728 04023 58182 76456 78850
37714 61423 68507 97647 49779 12435 00000 +++++

11129/9082/7344 kHz, 24-10, 1015/1025/1035 UTC

90913 07058 58684 21508 46239 29145 31268 71102 23646 52191
03018 75133 33345 53685 50848 71494 03283 90324 01267 47999
07066 84103 27309 54691 41837 75164 05018 62055 30808 95176
07259 30380 14143 24932 09413 61685 01544 94749 28396 68045
28066 60466 37542 40095 12964 38389 84756 98186 24995 28039
99700 85771 00141 46699 37719 82239 63997 54491 79162 98259
46275 88616 93340 67418 20233 29010 43267 90813 60704 05511
05040 49674 97681 50485 24893 24529 16119 37358 85653 53220
22610 13081 00000 00000 00000 00000 00000 00000 00000 00000

83351 13789 64389 01162 47513 22357 46759 00358 43191 37624
88548 64030 08619 16445 75402 60480 70633 85330 10217 96389
35512 37975 80614 15956 25259 39668 36420 81384 49283 12547
56112 44822 07121 78208 70452 93197 71074 58257 71944 68396
19372 85700 50497 50221 74640 53790 53180 33005 47615 79412
40930 68177 57206 93745 65051 64395 20307 53910 60947 37352
85145 63030 38868 31027 23161 65746 94156 97248 26789 85517
87023 85093 26744 99762 58745 25673 64261 66819 98008 67684
98019 61066 99827 52174 29968 65114 44748 94754 14393 98901
57205 33922 95904 14093 00000 +++++

11129/9082/7344 kHz, 25-10, 1015/1025/1035 UTC

40026 00255 57595 54320 81535 53954 70298 01003 62083 86181
77683 26192 23042 62800 24084 23662 93491 69121 79415 57382
66072 68038 80195 29346 34637 77745 45248 64480 43593 92463
48004 96636 14588 89189 58515 81785 14010 60858 12294 29739
86645 90664 20264 54905 05298 88881 02492 94189 18783 06611
42760 95839 58780 45005 58817 29874 89618 67008 76003 54534
14191 10494 25866 66444 93645 07315 19899 50078 62588 58790
41417 75174 80196 40279 84879 08470 87063 63826 69509 93639
59598 04034 99116 68829 75180 36941 72787 52664 93612 90097
29190 94188 21546 67241 45253 88328 59387 83412 06314 63995
48219 63298 22730 55977 44553 48729 76877 60219 88636 42544
00570 37937 63728 88064 83276 55818 43535 06973 35744 94243
10410 23776 20631 91914 45792 24533 76119 35866 12205 95654
65956 64479 71088 86240 22675 85080 93042 67448 42526 33018
76633 07851 03749 60841 15161 59664 97921 03641 02873 85566
45433 14639 04736 67125 45202 25735 03042 10413 25309 94861
14408 14809 23462 60976 39334 02135 74515 27552 61483 10788
96633 62374 27566 83858 69098 01835 22958 14099 32064 48549
18038 30715 90059 09743 57169 96670 33079 67495 75099 53928
36582 02198 56377 35382 99078 02276 35610 38321 09326 13117
33222 31167 49642 17376 68396 16379 54108 89226 63672 74030
18951 26855 71342 01786 99497 96611 05206 99360 36888 13649
57408 42749 20581 04555 50309 73489 72823 71358 96322 42160
65846 96254 62658 85641 42216 44009 62886 93890 37083 19897
90023 54797 51832 72855 41403 49241 41146 67557 99007 63245
01685 86665 26437 27211 98360 60470 25632 56679 75534 13605
71459 83010 63926 75484 84788 01705 88940 70646 78375 92300
97628 60513 73620 90547 05608 73193 71508 65688 90913 21838
91320 71411 47258 52832 94767 21682 43171 16733 90665 07918
75590 90188 87273 40694 46431 99679 63175 89533 52196 61709
82561 75549 67635 88125 49547 07183 29539 55206 43589 58392
62336 86720 23236 36216 74856 56904 50261 33566 21205 04869
83921 89589 57541 08914 24012 83050 99807 53946 46893 54229
41426 71502 12573 71228 63863 75285 08696 44807 64104 90348
64816 46559 53916 96123 35888 18001 65900 48627 81041 38568
52195 17292 71313 36905 68640 73579 21343 11697 47495 94372
29606 26887 63753 05888 83314 88573 05901 65298 30743 43808
05207 81095 47630 52369 30644 51509 45614 32416 26388 06486
01710 23252 82491 76819 27631 65449 60944 52084 03476 21037
15890 91862 70198 87953 08978 41091 55944 58146 22638 90665
30006 03848 21198 89688 46385 77797 87786 48406 47973 88257
46624 68635 14256 31542 28347 51600 72035 08474 38941 15419
00000 +++++ +++++

11129/9082/7344 kHz, 26-10, 1015/1025/1035 UTC

39471 40304 69093 41900 63427 59887 57209 19205 97355 99168
52728 62044 73399 20650 55567 79945 86469 01481 10098 49515
11201 67725 55074 02025 56282 11548 42546 44011 29954 98160
82639 03996 12492 44476 76106 87333 61372 21216 60689 58704
35892 23252 99788 62622 10972 95378 56512 54341 01883 53895
40083 91029 21279 41471 77093 79345 13618 22032 84534 65852
72861 67446 10493 55277 26530 84854 81476 67347 37935 04037
80930 79490 27230 20450 20720 11804 40987 38807 09188 16079
00000 00000 00000 00000 00000 00000 00000 00000 00000 00000

74613 49564 61150 49478 62484 41922 98013 52107 55910 58532
21833 19236 72430 50665 46589 35475 09699 51568 53425 70484
23896 92525 54048 80004 40114 20773 41490 64400 00318 73360
07309 77948 33277 21008 09529 82936 52707 57194 25250 28620
53688 81751 00851 32597 57318 29914 48617 79350 85225 73728
15379 67480 71282 73615 81881 56855 05436 34337 63824 94142
10858 67675 59046 62869 00820 20903 14513 13802 38891 54507

28381 76257 71311 78062 39603 24929 89690 47868 52790 34899
11212 12570 51468 17083 00000 +++++ +++++

11129/9082/7344 kHz, 27-10, 1015/1025/1035 UTC

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

11129/9082/7344 kHz, 30-10, 1015/1025/1035 UTC

31310 95165 79705 55896 61598 85147 92347 76303 90311 98902
29345 99254 87401 29744 91540 60813 28197 81814 58843 01566
59869 89932 99844 07085 51925 04199 05976 03131 97161 33389
78452 52505 98524 29338 90463 66688 97872 62582 69231 64905
46814 23369 32765 88047 94574 76465 75101 18067 58520 39202
68557 32665 42218 13371 37613 72357 78361 08380 95449 14371
06902 36664 71487 19431 09083 06504 76954 17772 73900 08967
33824 93062 58633 06433 44490 69197 02799 54254 31494 03432
80180 70098 12136 43649 76434 97761 17501 58855 54606 11774
23430 62683 78273 51047 84612 04341 97797 31210 09470 84506
26516 69313 29481 36198 71448 61817 48063 67178 15707 19476
03000 63736 43467 76427 49803 64101 41395 42437 41536 64733
04834 77752 39508 85690 66949 30862 76523 56183 19641 71886
71348 13996 53161 76688 80938 14841 22738 73848 62046 81860
39408 60175 87654 33474 33519 60163 37757 86021 17255 58027
01844 31183 99155 60627 55448 98544 46454 27005 15274 32555
67825 09485 86494 20878 01751 58809 58008 70079 06405 91187
48523 43818 79105 16935 66247 30949 79758 79534 05603 44974
05944 32257 99892 01378 56752 77963 92290 40543 77200 58225
53883 53512 72410 98677 44490 77142 31850 73778 41449 40993
61976 45521 66986 78496 55530 54767 04871 05184 96130 84241
45174 34683 24794 64993 98788 47315 23643 82888 17614 49357
11180 90785 15206 37920 31521 70174 48643 59371 33723 97021
38185 56453 52736 08172 21940 59601 28653 64607 44659 96957
84001 81687 83980 18987 02058 37791 76586 31541 86097 43361
64324 43944 39210 30741 87188 72757 67642 12776 19061 91139
77713 12094 74670 70996 84912 14276 27853 06834 39959 82338
62595 24531 65166 87857 03803 06594 17260 48326 49105 36448
70649 58049 47995 04534 91334 02801 89385 77174 60989 79939
27717 03385 69195 58103 42291 31992 79850 19685 46476 51337
43391 93183 44953 34253 86158 50300 15663 25880 47432 74143
35422 31531 00638 85554 93034 06992 84533 36199 21574 16460
86288 16472 53942 49435 56194 33117 43118 05417 43581 53189
28742 23139 52517 90473 57824 26087 98037 86990 22993 58130
59123 81139 12770 31324 13371 87470 28803 15923 15456 03364
63103 68283 12197 62056 56083 92572 55098 94450 34878 15225
11649 87966 35106 45175 63427 03460 41663 11039 19816 17648
34987 25688 20142 51146 47739 76179 62282 14240 56904 71875
15790 94781 89156 80047 15328 68464 04540 40501 51048 09109
23048 76880 92348 06026 12184 79272 13856 63650 80441 78756
03151 20546 93654 12341 40688 16642 12441 88969 38469 26564
40151 02118 10544 54929 26782 27640 45031 72536 91132 11149
56129 58630 29306 25371 92664 31987 47033 49794 81748 98190
59422 34535 22632 85145 63003 14750 53567 68958 39532 18439
00000 +++++ +++++ +++++

11129/9082/7344 kHz, 31-10, 1015/1025/1035 UTC

92975 47610 50799 49876 22345 57527 56460 60400 06543 81620
18403 61697 43087 61095 93549 29823 08937 08713 48585 12079
81595 66143 81984 56293 00829 11192 09884 94172 63102 59825
79583 18058 15946 24798 37020 29791 21963 23226 13128 20962
20116 78972 36903 43866 14882 47570 80652 98069 06292 87638
97109 50758 93233 48953 51807 94139 52251 85768 47456 82325
56989 57916 95527 42382 51913 74446 58219 31827 50996 42510
37951 73212 97309 36900 94413 72517 19142 42772 75890 65576
80573 19081 00000 00000 00000 00000 00000 00000 00000 00000

61628 66099 73683 04869 53091 68190 11577 94015 61300 71754
49832 08534 71823 20095 29982 55616 53787 07276 62003 19182
67452 83487 17640 98774 98566 84064 79152 63175 87551 57460
38040 67771 21543 56190 41004 32734 63547 03222 65092 09840
99137 93283 70036 78756 79164 86281 86522 29354 48699 95912
52620 63117 43348 93274 08380 50617 77232 88772 28776 89468
48760 06138 90840 91947 21483 07266 12385 94642 97600 03051
22766 18884 00624 69431 78856 87310 97060 84550 84153 32795
88087 57061 44913 43373 58798 12726 80546 74792 72249 82745
97930 22751 64279 20093 00000 +++++

F06 – FSK 200/1000

Link 00000

11128/9446/7453 kHz, 02-10/03-10, 0800/0810/0820 UTC

11100 00000 48367 29008 01139
00001 32756 52146 64692 18030 25862 36288 97509 37870 79906
61093 96305 14967 27360 40156 60271 76405 34298 32061 98327
21743 48279 98485 13369 12985 92003 91304 31529 89671 82484
67127 68660 69993 80373 52731 51193 23880 99164 09795 33594
29001 28940 72395 79577 45612 54356 55690 99289 71192 71560
59236 59623 60790 33714 13365 09875 24050 79819 42072 89917
34813 26537 40841 13076 14278 27675 92845 40905 73612 31043
71975 92045 26988 87358 06109 52348 10959 90888 99078 78457
71124 56522 34771 12038 02016 62946 11784 46834 51144 16637
82091 15752 23145 16325 92158 90140 44952 22645 49917 08473
77957 62644 66077 76613 88070 23850 43178 06842 09626 17560
10837 08111 00000

11128/9446/7453 kHz, 09-10/10-10, 0800/0810/0820 UTC

11100 00000 58721 06009 01159
90659 88729 71060 57799 67729 27575 47910 30839 55283 69227
36035 73027 85280 70624 80846 90012 53894 27354 08885 32541
80073 35215 79402 73117 82566 44074 97367 89785 92582 89937
17589 05478 44292 16182 94627 56369 10339 19893 58215 87669
74564 84224 18835 00302 59130 82746 33166 96884 48212 66687
84090 00487 75473 71034 54922 44551 67489 00419 02575 57467
60318 80716 59335 90196 31407 87314 17942 60412 14009 85978
79648 11570 86320 47245 69969 10366 52499 20294 51776 31005
57770 77233 90458 99731 04807 63722 50819 98038 63558 16889
30384 48021 91731 36465 58844 28280 08094 20084 18286 93843
85810 98672 63908 98523 57972 32885 49925 43149 52532 56498
90324 98121 98813 09113 00000

11128/9446/7453 kHz, 16-10/17-10, 0800/0810/0820 UTC

11100 00000 98326 13010 03919
11062 15507 46296 82090 90530 92768 63398 87822 96123 09864
67373 68793 07949 81064 50262 41187 39931 65582 83876 96994
11605 26488 48890 66589 78403 48199 42999 11332 81046 49057
07466 72334 19704 61072 09682 93755 11458 27775 07044 54075
40159 06184 41624 61300 86232 96534 17353 40642 59548 27269
12199 41548 66920 63606 78336 02875 27925 40140 20376 65591
24715 63438 92947 21975 21359 03842 86666 03404 58059 21102
53017 26266 64082 77447 89398 77114 42716 12835 34614 10829
06123 36115 79014 29065 37320 82481 37802 54695 52735 78008
56272 89497 66436 16170 38203 55647 72835 09687 85524 32321
32205 93970 17356 67559 86044 68491 85370 83953 97871 83261
01997 06137 01075 66349 44820 32167 46781 39103 72800 21396
93845 09618 09830 61185 63816 36832 27711 34930 57266 25018
77011 92075 73314 24603 96450 12667 47417 55098 66282 61969
97245 85769 95996 39619 81547 89648 02580 42588 77880 32323

23202 81147 91648 91744 72455 69681 27320 56800 11512 30279
44465 33138 35651 14906 51516 78001 26834 43473 59036 78606
51941 53961 83272 11904 37648 28952 44978 74292 97985 27630
94296 09712 45344 84292 01833 31157 02001 13148 32067 67869
38911 97527 93762 72255 96862 46828 64335 86649 25957 91069
52930 20082 64185 05883 37789 88033 52837 46559 00812 51261
52392 25561 79411 12861 60567 07828 14451 14447 28643 15497
69889 26576 62213 56427 50720 43621 43712 56889 73217 09264
76394 00454 98204 26388 26636 13777 77370 52470 07541 56981
70054 61609 85134 33495 24533 87140 40390 35680 58795 77436
96853 38473 61508 95695 31356 22319 89644 75191 80442 36053
20684 06427 72386 15120 79600 98114 92249 80414 03110 48582
76638 27968 81195 91415 98480 33064 67147 85246 83054 76352
87227 80618 02011 22310 58789 25111 27415 06587 43413 27491
32882 74281 44849 84782 54585 90825 95042 23043 00438 13340
94175 65635 99904 97085 64282 57739 81658 25440 11785 01966
28010 14233 95146 53684 10710 10111 66268 50883 26688 00928
14378 62456 77502 69038 67624 34976 42622 08024 58116 80404
58119 20057 51532 38284 57303 09547 98694 32684 36772 87883
74315 41554 30513 87283 46706 22986 35871 96384 46437 43875
75117 88184 34422 07276 05278 73639 69886 43384 08206 55038
65984 61167 73604 54056 79618 74734 49995 89947 85235 68338
62534 01663 14012 96353 19643 11328 29635 85573 34317 21892
58975 35321 88396 46645 03014 34003 51356 71733 53833 10389
00000

11128/9446/7453 kHz, 23-10/24-10, 0800/0810/0820 UTC

11100 00000 59620 20011 01159
82728 00132 68889 37848 96726 70188 38983 39920 74233 60460
64844 79039 22614 45338 31657 19657 34255 35077 90308 74719
72041 38575 66875 63081 20395 98109 73525 99947 89259 57923
52734 89089 18476 19854 90714 99272 91128 59979 63607 86255
44850 49617 74504 07107 87134 95479 12730 91022 50653 87677
17072 39868 01825 36398 29518 64145 39239 75170 97470 90160
89533 41033 28531 39205 98832 26782 02203 79999 84921 06554
52400 75241 25752 57585 00365 74082 37424 02734 20364 61292
02081 01367 36251 84727 09740 13723 47438 17460 87161 20479
61237 23173 85238 15144 51385 99990 79030 82407 84311 99269
58603 03903 05112 56327 41076 37145 49946 68097 05895 89696
60391 74504 07107 11113 00000

11128/9446/7453 kHz, 30-10/31-10, 0800/0810/0820 UTC

11100 00000 10685 27012 01759
20799 58977 72527 13385 57595 93761 89051 29665 58882 55963
32290 89869 75865 49296 24129 20762 33577 65900 02095 87734
77411 84366 46237 42248 83326 25122 69765 70688 31089 25926
43734 96382 11389 00848 10583 72264 25413 27624 87476 93684
41134 79498 09227 47779 87345 31187 62949 62208 70936 26075
81740 05312 05964 70349 10710 94432 55042 54937 89065 03311
36090 10703 47653 05211 83744 12829 59036 84448 51595 58799
48722 17036 82877 63686 49579 84637 39523 81604 36176 80127
40380 70979 38905 23968 26544 43609 66457 26576 92991 45624
70616 37819 33606 89752 41647 53299 85266 22337 92605 22071
01316 86983 02857 24676 80975 05523 28213 35188 86819 55298
52807 92683 18731 50804 42424 44417 57227 72940 89891 01914
37040 89431 22727 05278 81069 20056 64092 78713 26908 71828
88568 82220 21304 57770 51679 99833 53856 70708 33262 23795
26734 67167 62896 30678 01004 54160 01334 19365 57046 94354
32398 07813 14981 48985 42354 80499 94060 11578 45018 87621
99489 01716 28222 06118 71861 94966 34609 86290 43937 29061
10941 51000 11770 12173 00000

Link 10053

18957/16317/12217 kHz, 01-10, 1530/1540/1550 UTC
11166 10053 24681 01001 00049 00000 00000 00000 00000

18957/16317/12217 kHz, 08-10, 1530/1540/1550 UTC
11166 10053 16489 08001 00049 00000 00000 00000 00000

18957/16317/12217 kHz, 15-10, 1530/1540/1550 UTC
11166 10053 17935 15001 00049 00000 00000 00000 00000

18957/16317/12217 kHz, 22-10, 1530/1540/1550 UTC
11166 10053 94527 22001 00049 00000 00000 00000 00000

18957/16317/12217 kHz, 29-10, 1530/1540/1550 UTC
11166 10053 17935 29001 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 03-10, 1650/1700/1710 UTC
11166 10053 12457 03091 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 10-10, 1650/1700/1710 UTC
11166 10053 97521 10001 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 17-10, 1650/1700/1710 UTC
11166 10053 13468 17001 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 24-10, 1650/1700/1710 UTC
11166 07601 10053 24001 00049 00000 00000 00000 00000

16313/12217/11453 kHz, 31-10, 1650/1700/1710 UTC
11166 10053 12457 31001 00049 00000 00000 00000 00000

Link 10075

11435 kHz, 11-10, 1310 UTC
Active

11435 kHz, 18-10, 1310 UTC
11166 10075 12547 18069 00049 00000 00000 00000 00000

11435 kHz, 25-10, 1310 UTC
11166 10075 25893 25089 00049 00000 00000 00000 00000

Link 30154

16275/12159/10297 kHz, 03-10, 1230/1240/1250 UTC
11166 30154 35781 03069 00049 00000 00000 00000 00000

16275/12159/10297 kHz, 10-10, 1230/1240/1250 UTC
11166 30154 12547 10101 00049 00000 00000 00000 00000

Note the message serial number, #101, which even though it's bogus in null messages, should normally not be above 100.

16275/12159/10297 kHz, 17-10, 1230/1240/1250 UTC
11166 30154 35789 17059 00049 00000 00000 00000 00000

16275/12159/10297 kHz, 24-10, 1230/1240/1250 UTC
11166 30154 15786 24084 00049 00000 00000 00000 00000

16275/12159/10297 kHz, 31-10, 1230/1240/1250 UTC
11166 30154 35712 31021 00049 00000 00000 00000 00000

Link 40023

26185/20026/18269 kHz, 11-10, 0915/0930/0945 UTC
11166 40023 35481 11001 00049 00000 00000 00000 00000

26185/20026/18269 kHz, 25-10, 0915/0930/0945 UTC
11166 40023 12457 25001 00049 00000 00000 00000 00000

Link 40122

19268/17548/15779 kHz, 04-10/05-10, 0600/0610/0620 UTC
11166 40122 56438 30076 03639
10314 28879 17975 57054 06581 80672 87339 46374 18312 28151
84771 13334 50049 61290 71463 95409 21775 17961 01581 62525
53593 26105 26919 09089 69657 42110 82518 50806 26021 08812
70425 12230 92098 81561 83776 15958 40432 95798 38414 09439
24443 74562 04201 90303 48860 99386 53233 16172 62514 93006
67132 09879 28176 87322 70610 96032 49140 75054 83489 29871
57232 68523 08367 04331 91924 14001 96109 46289 25264 35063
56373 37886 12272 03388 05327 23901 71537 60422 67765 91083
25659 38377 75815 30411 56248 53972 31401 18178 53161 73365
24672 76885 62667 71724 25574 01845 64222 35850 90752 64440
30545 83317 52973 27993 50682 96547 85256 37162 20752 95263
56895 66812 32046 95760 23566 41295 11185 30435 18703 60081
92010 25996 38329 90667 23909 63813 36538 14720 46236 70829
73796 38368 83559 14476 85281 02599 41372 00027 61409 54684
06992 93839 57767 66587 85325 20907 76630 11272 24176 10157
87238 32864 08792 85960 77035 71593 30346 29251 51059 29467
58022 56719 21647 87592 69402 91512 55679 11104 18849 23871
71517 02626 48554 85143 02842 90200 71959 83626 71569 60639
84222 75644 37045 74208 79420 70336 13681 21606 79185 91559
74253 09161 02449 45363 81018 83194 30981 66468 11858 29475
50435 42189 73624 08709 71550 37229 19888 14008 61223 67794
15256 61262 38138 98467 13472 48362 12624 60265 41465 44207
75444 13325 06547 93436 65196 02665 68940 47818 69016 80442
46823 60237 36266 93153 46088 02220 09903 57211 31990 90926
05204 71348 84873 36564 90550 39259 07180 46131 49943 00948
73901 44463 31950 96194 43681 98493 14760 08596 72753 55670
42040 63600 98893 32481 09288 78996 87578 14004 05349 91271
57543 50437 38801 06287 27921 61533 03897 47713 54145 84886
65732 01651 44815 29004 69347 80879 76707 17093 02444 57183
50113 32520 66397 35166 51699 01858 35259 66015 17076 76472
07435 24650 10258 98580 79728 98673 62208 62720 98430 62588
35652 08563 67154 35701 08345 06018 16089 47153 91989 18558
62369 56524 28984 55698 16248 03429 34182 50581 12753 84569
73875 23597 73523 81651 99153 17964 28509 88631 75857 18238
52214 11703 78300 87653 94189 40488 38941 85260 08443 13850
71206 48775 11466 28771 07646 54099 23559 65740 20600 87429
73151 76361 00000

19268/17548/15779 kHz, 11-10/12-10, 0600/0610/0620 UTC
11166 40122 14562 07077 03029
83178 41005 18363 11439 59058 87380 00248 46566 41624 26941
92171 79038 79483 49877 55805 45800 75303 34244 80043 59368
06873 20034 95085 96981 66621 75519 47942 96889 36783 41834
69052 10199 42396 66701 84710 81726 49319 63269 54969 58293
99449 54977 41726 47903 00350 92395 36673 78224 11439 52973
03793 27841 93968 59639 16097 28683 16945 79180 91291 63095
36203 86349 56046 03965 88807 04633 93579 71354 69977 59606
54218 04083 84712 05841 33640 69675 91320 13270 48478 61137
79024 23971 63977 53978 46832 15292 53383 21931 75876 30271
93765 34791 12387 61265 27951 86836 03504 97754 47252 29238
53102 74230 74691 04918 89830 79128 53398 09285 64543 10730

69871 25289 19307 90972 66785 06227 95187 73113 25045 04739
70990 04171 19758 71437 50137 28093 79823 71596 37888 40587
05823 93352 76073 31545 25897 45844 27537 76000 94300 70722
27474 59568 62314 15491 43846 49281 76220 42092 14073 45786
82000 69185 50175 77820 41472 71555 29567 24905 89530 85085
13676 79211 87199 90737 61583 82512 50158 75971 30876 99178
57455 97042 82885 11139 70082 90618 34516 45757 14095 08146
23836 72556 07976 71411 81632 29723 38924 72732 26106 66338
17756 68210 22898 11271 67103 37492 77639 04662 22609 08471
53204 52948 51788 70362 28861 93359 20263 23608 43500 78827
60035 40018 90137 19232 19513 31618 53874 39945 99945 51615
10492 43592 07992 75939 27894 85973 79065 38781 37557 02081
51195 20576 68191 43155 94034 11861 58795 10712 22755 01460
93296 98479 51481 62405 23954 78182 65963 34071 75726 90114
20178 23915 48777 24428 86543 77303 61318 04087 14433 88830
99967 05422 76676 53583 69818 77209 08742 81780 61398 44236
70272 25235 76715 06263 83684 89064 81570 68342 29494 27098
76327 63423 03076 44404 02328 53168 62531 55395 26138 17944
22362 70929 68814 71899 72625 12852 72381 64084 28271 79423
77300 00000

11166 40122 73216 07078 02639
20690 51538 38339 10058 56879 55290 09708 22815 64586 35207
25082 23089 05128 44623 59905 06918 27820 50699 27886 07372
95629 31437 09824 57427 93352 85290 45425 67803 10486 14314
92795 43158 16005 66786 85292 85116 67223 50239 40428 55539
19914 50834 00519 98496 31891 20031 09747 44355 77243 14471
57351 44450 13388 00024 41600 09740 68150 55933 34274 51921
39051 39995 50302 50413 21989 00710 52282 93659 11495 47344
44534 68182 39776 13844 36406 93835 46692 77525 79493 28677
97900 18494 08482 91910 93313 30723 40287 78340 33087 20731
11180 62752 33311 54787 56588 17681 08599 40600 63271 92999
63754 54408 48529 30752 61710 49420 46160 13685 59921 06547
03848 70903 32407 13342 21648 89098 19625 82116 86292 02771
73355 43148 80964 61904 88807 73913 75265 00515 41108 50314
25035 54510 68374 30792 36724 02318 68565 09309 76009 26684
02276 98098 25328 21123 18689 26151 20031 89417 46849 64348
17835 11630 19462 13210 81262 75050 21400 14158 77756 93531
80097 70268 27160 63630 40039 87422 51248 31011 88502 71817
04994 65535 24772 44747 94262 68482 89986 60619 09623 60337
99828 39125 30949 22581 47224 47507 82521 91922 67255 93867
43297 30410 81465 17442 42046 19858 63747 86787 92038 54027
94997 41816 44966 27003 98733 40621 68796 41191 74852 97009
79231 83387 73717 19715 79479 42352 77772 89191 87999 66319
82857 32953 58936 83893 96419 85379 24907 36755 94807 42936
16848 97624 06835 50739 40593 71917 15800 81410 14881 06524
97150 92144 00475 54162 33981 70950 75083 66730 77550 07977
33769 16098 45001 52885 19534 65784 71481 44184 13766 41946
58844 78261 00000

19268/17548/15779 kHz, 18-10, 0600/0610/0620 UTC

11166 40122 12547 18069 00049 00000 00000 00000 00000

19268/17548/15779 kHz, 25-10/26-10, 0600/0610/0620 UTC

11166 40122 96247 21079 03549
74325 46157 75410 99123 64813 53319 43331 91770 55661 57648
75464 05178 87857 51745 48171 62917 63122 38534 22628 78666
63782 74348 79005 20826 44606 71873 49952 73718 07557 17651
26847 62558 95385 83816 37224 34381 65015 38755 16847 12110
26651 86386 24831 63964 59537 88735 75284 55374 40327 51501
83880 75620 44977 77294 52813 56350 10119 16244 42567 24186
64842 68653 03946 54603 68820 19390 68786 19261 17727 08707
22804 43979 01869 69177 09006 19550 28987 83420 35106 32564

47148 42332 83381 08446 28674 08476 46411 83890 01046 14343
37123 50866 35711 50170 46608 39406 30753 20981 48112 31340
48325 77567 70665 22180 92826 51075 90771 73340 40725 45894
15612 21865 57987 70537 56178 39875 66034 11190 13790 60905
42177 77632 28433 15320 65464 76202 62342 42004 43865 89504
17281 68505 83751 67539 08952 76827 87597 59950 46970 97050
90833 44065 93840 95970 73808 28438 01378 52952 09778 36550
48005 40166 34871 00388 25372 49419 50963 18567 47715 32745
97401 58690 82430 48958 52509 08642 25250 33348 50817 06483
68507 32709 26955 03654 35892 72887 22138 41168 82152 51034
14191 43477 81173 69756 57042 59695 50875 55348 40634 06887
88361 27291 07172 95077 13764 11211 84664 38703 46207 12482
23686 84165 60352 92658 48297 08191 96931 15932 57066 66675
25737 57790 35120 98707 84473 93071 63173 15457 41944 05606
34465 28603 58976 86616 15546 98019 45547 14091 11845 03366
37535 30281 23964 69307 41535 59551 05630 99023 21185 33735
59245 95718 23426 17203 29975 76791 68146 48821 84304 10383
49639 43001 84005 28967 23315 17009 91457 99681 76107 36735
67242 56084 04005 98110 45975 21024 45149 86354 01282 75309
41940 80240 35888 51869 30580 93565 57728 60087 81497 71025
28042 69998 39086 80657 92369 11042 34199 70065 30401 65042
67835 78593 85609 58126 89453 22648 60605 81248 18350 96347
89149 94017 81547 54702 20772 91511 66619 71486 78913 38769
12893 89017 78552 02643 89470 02009 14231 35705 33510 42699
54435 91891 47183 59431 03264 78570 76777 05882 15304 74724
22356 83120 74689 69932 51423 01689 74237 03844 15029 55884
55629 10824 89761 27444 96566 99463 94043 60804 55828 21644
52192 77133 79352 00000

Link 60070

11617/8193/7481 kHz, 10-10, 0030/0040/0050 UTC

11166 60070 12457 10091 00049 00000 00000 00000 00000

11617/8193/7481 kHz, 17-10, 0030/0040/0050 UTC

11166 60070 12457 17001 00049 00000 00000 00000 00000

11617/8193/7481 kHz, 24-10, 0030/0040/0050 UTC

11166 60070 24681 24001 00049 00000 00000 00000 00000

11617/8193/7481 kHz, 31-10, 0030/0040/0050 UTC

11166 60070 12457 31023 00049 00000 00000 00000 00000

Link 60081

10249 kHz, 04-10, 1320 UTC

11166 60081 95412 04069 00049 00000 00000 00000 00000

10249 kHz, 11-10, 1320 UTC

11166 60081 14895 11045 00049 00000 00000 00000 00000

10249 kHz, 18-10, 1320 UTC

11166 60081 12547 18069 00049 00000 00000 00000 00000

14545/10249 kHz, 25-10, 1300/1320 UTC

11166 60081 25934 25022 00049 00000 00000 00000 00000

Link 70059

6848/5433/4840 kHz, 02-10, 0400/0410/0420 UTC

11166 70059 12457 02001 00049 00000 00000 00000 00000

6848/5433/4840 kHz, 16-10, 0400/0410/0420 UTC
11166 70059 17935 16001 00049 00000 00000 00000 00000

Link 70202

10541/8113/6791 kHz, 02-10, 0700/0710/0720 UTC
11173/9246/7611 kHz, 02-10, 1200/1210/1220 UTC

11166 70202 51327 29032 02739
33206 73381 18072 07297 40787 62694 57501 47970 57799 95948
64657 87684 73588 48766 37056 86055 21459 38807 93737 66975
39306 22715 28731 29667 43636 59950 98986 32104 65400 85712
57723 01474 21081 60126 69109 51387 17473 85886 65252 10506
13589 11550 31387 92291 88135 62654 30241 60549 85989 67861
01488 70461 42121 72307 97240 89796 06390 55341 39518 29985
17659 94852 10616 41742 00667 45367 12330 54927 84085 22094
54968 67335 63211 08126 62074 12096 55716 26967 01823 58374
23914 47578 81005 25066 61957 14132 62553 12158 71416 17663
92535 79459 73678 51800 47563 27382 32596 19764 38542 59459
85828 84827 31714 31288 08313 81417 72917 15589 56299 29048
26008 38063 65396 16275 61378 63737 01048 46857 55514 38487
84895 65311 87519 15425 45459 04052 43553 20831 66563 19292
65115 39334 31966 07915 02119 23006 89603 22476 56677 54080
83916 26548 28565 15961 29663 57581 98260 52233 25689 89464
08535 18333 32068 11996 30512 55594 59060 69418 25135 42342
41326 25238 35983 01719 95825 45492 74372 70944 86858 17666
82678 61685 46659 47436 86826 66226 25001 00441 73864 89125
66239 81249 55585 09055 37239 66736 04119 00494 54609 36022
70423 69978 84702 64200 21642 86590 14798 72011 58228 11369
18912 48665 96807 55337 66685 89989 29685 20828 48763 19109
96966 05800 17121 81819 32202 75827 63774 33866 67506 33459
86291 62297 09093 39616 13578 08091 19149 66740 90335 82235
65004 88360 43662 92462 21512 34779 80211 22800 37599 69549
87361 33153 02909 66451 36818 71092 75481 91636 14103 13033
56405 20642 22357 76993 22380 44945 33895 74133 52125 47771
87952 91240 07577 53811 58068 21362 55803 82567 37519 84770
42585 32271 00000

10541/8113/6791 kHz, 03-10, 0700/0710/0720 UTC
11173/9246/7611 kHz, 03-10, 1200/1210/1220 UTC

11166 70202 64792 02033 01359
44822 08363 05850 02373 06348 37542 97674 82062 62206 76836
58905 35745 86928 75248 91270 30643 84467 66769 10893 53188
91164 28989 60088 61830 08514 90634 63818 62975 51635 17721
79184 52272 24423 33003 11443 88402 57276 48418 94957 91588
68375 15198 62523 83994 34428 21349 51519 14203 81826 91186
20305 32971 34148 66597 73311 12432 76945 74736 18264 25954
25759 11836 03967 30820 08288 97807 12098 20932 96657 81347
01436 41723 50727 00202 27973 84465 58366 26305 89344 02151
83638 50465 67009 14154 58840 86288 64619 91844 81321 98030
66027 42344 01023 82060 61350 32620 09685 56622 14541 21091
67644 39591 70906 88947 29174 18899 27995 88365 52286 45329
18309 49794 03953 02356 77262 15525 96675 32727 94842 91704
17332 26470 74384 36011 34250 00014 46926 23139 93445 21104
14560 55322 39952 33133 00000

11166 70202 14758 02034 02239
30883 00166 03476 14197 12143 15866 90997 06976 02162 48060
19806 76820 13512 80978 92860 22592 35787 14025 39381 26401
34592 25490 77170 83972 97118 69179 39486 57764 91488 39883
46155 51276 32060 68636 23608 27992 67866 33694 03536 23385
36401 98176 54835 23425 49909 10308 28554 08029 06400 27183
20505 82896 42536 48021 81243 48147 70622 67815 28102 77230
66854 87342 38953 04509 03025 40445 32407 44981 38879 24549

64119 94574 17293 45330 93896 84426 29486 11489 03295 87623
42424 40549 68389 01808 05630 61639 17415 56110 79567 26178
27945 15825 52800 62408 43325 83287 40105 34721 13015 18376
78732 93691 86555 27075 64993 27789 15836 91552 98371 52674
45340 40170 25344 99032 95083 80878 00084 84887 65895 46421
04264 83316 21769 24804 93111 21516 28937 73442 59937 72154
56385 40448 36292 22947 67462 41479 69966 35386 57309 65590
48010 28578 15764 08530 56952 49105 20447 56911 97418 12872
89710 71707 95333 29845 50135 44488 76890 47660 98267 24862
99473 75000 61285 42534 55734 70700 86270 72443 92992 09514
12787 16392 15157 60476 08448 99621 59356 38802 72153 05775
64467 17257 34698 98653 73713 07937 11421 04260 38546 50399
86605 51498 15976 67073 34295 95031 76550 71900 05224 68685
65162 43130 34553 42869 81877 96209 50091 84431 74976 17721
85689 42396 63375 46275 29507 08012 30649 11332 61815 22563
57803 34221 00000

10541/8113/6791 kHz, 04-10, 0700/0710/0720 UTC

11173/9246/7611 kHz, 04-10, 1200/1210/1220 UTC

11166 70202 81327 03035 02859
92942 47521 28363 68237 50538 24777 74978 72825 80157 51855
33328 19483 88682 74090 59641 12188 85143 57309 61449 55562
02488 90439 79364 07525 79603 89961 44955 56202 48890 43979
36407 52579 60389 77870 39732 50533 25992 05504 13881 33520
63776 16783 22589 41265 36688 18189 43454 62699 69140 05596
99854 09808 71525 58276 99763 55441 48017 71693 68410 40369
50573 21231 35722 54249 02559 74082 64497 20218 40441 91464
30227 37785 46986 88352 88524 63702 74394 42923 91086 35525
80825 72887 36123 67524 28723 20918 64202 73656 18408 16326
35446 97266 55355 05217 48999 52223 74604 66272 90731 05161
70730 54378 20099 53527 06824 39260 32098 79116 00912 31335
55259 81776 13253 11957 71607 22988 82954 10235 69544 33982
87344 93633 65564 68106 22525 64520 55763 02109 28567 79867
83071 16043 07765 36271 31141 06469 09393 87507 80837 12641
79410 86784 90256 60377 98538 70886 84227 53286 57158 28414
64214 66047 40460 19277 74571 19429 22285 37657 86080 41734
91095 35606 82715 46357 56512 49485 62560 80140 09855 96415
88830 22224 37124 32938 51926 38063 07862 93072 28462 18319
88332 47952 48200 57288 52450 54231 04839 50587 88901 83449
71580 16742 27901 49542 07426 72410 36005 76675 65125 15890
52436 74613 36730 98624 65349 13781 97678 89382 51466 17224
35354 60797 27541 11660 73052 52958 87071 04783 25300 93746
20701 81038 45453 80587 43754 33039 51526 53320 79334 70806
41168 12872 70426 76043 31751 65413 19445 93604 86485 96695
78653 77361 12508 06247 39906 32660 41883 56121 97142 22531
31449 13887 80073 29874 42452 94536 82492 92774 85901 31019
33657 55158 44581 28059 86176 99962 07669 78976 18833 57017
78880 50177 77791 02819 44092 63005 04616 94386 09368 27653
24548 04387 45346 35283 00000

10541/8113/6791 kHz, 05-10, 0700/0710/0720 UTC

11173/9246/7611 kHz, 05-10, 1200/1210/1220 UTC

11166 70202 12367 04036 01439
91292 43285 11663 79264 88911 35796 90737 29387 74112 38947
13226 80480 47734 22342 29176 67913 87278 51777 34055 76418
28393 40434 43449 07347 69898 17744 56148 87816 88284 45616
54035 63946 72611 36717 12243 45353 15769 54492 17991 93114
23012 99608 21559 68363 23725 12510 67819 83731 97338 46778
81785 24795 49353 92977 06586 33741 98393 57677 17330 72420
60231 27338 59285 06986 39730 71748 83806 81299 66620 66696
80459 71295 36079 40574 28776 37490 40015 74589 18067 17821
00029 11277 08746 28008 37954 51009 33594 61619 44954 41165
62401 07036 35071 87678 78427 23492 94198 43630 40110 43390

60399 54574 26471 93069 96502 65299 89652 49225 40929 17697
63010 73149 47680 94432 98222 90000 51410 88101 29831 05277
18554 00569 90666 75684 70406 02162 26587 76587 89131 05426
83973 33224 42602 33103 68415 07888 89036 85050 98022 60246
47354 36141 00000

11166 70202 64512 04037 02199
02084 35166 55973 76783 88538 30106 98202 96566 85627 81311
57553 82484 23824 29309 52448 80624 78472 50310 36387 95674
33919 45613 88690 63374 39538 90474 02605 09784 99831 53387
25452 70814 65813 21710 30529 70441 19835 94583 25423 81051
71066 29062 26445 14351 03805 50417 53863 16287 45802 62525
27625 64400 48805 19299 68253 91064 98478 43094 32605 81035
95926 01013 39188 16759 77964 75071 62703 69871 68368 87142
02527 62321 77250 64622 54795 45565 90777 57759 42794 71266
18409 44578 85339 51929 89833 84342 07826 34919 18809 05489
25648 38298 76082 38967 54666 21908 38575 32933 28412 92150
07028 09726 26720 63899 09295 51067 45474 27971 31460 22417
62149 97600 43984 72433 76850 32369 15049 68466 33519 62993
28299 54015 51008 65447 47173 39113 18702 57829 92992 59539
36384 18419 29013 65835 03020 48372 67626 28031 84161 27473
42880 67033 12648 36392 15535 48618 02293 43892 02808 00954
79257 82402 50033 41591 60772 60419 86383 24876 35921 85156
31879 45700 28159 93879 47838 60538 44255 17388 47985 11713
39352 24040 12380 65815 52822 17804 71376 02222 94613 88731
51780 12653 86775 39326 02406 97695 89840 35215 41211 71244
68762 53583 91209 08785 78090 27798 97328 00462 71068 11656
41424 94874 62352 11703 97612 44532 99018 61061 95141 88895
19572 33185 80948 35973 05623 19006 99125 37217 00000

10541/8113/6791 kHz, 06-10, 0700/0710/0720 UTC

11166 70202 34789 06022 00049 00000 00000 00000 00000

10541/8113/6791 kHz, 09-10, 0700/0710/0720 UTC

11173/9246/7611 kHz, 09-10, 1200/1210/1220 UTC

11166 70202 69127 06038 02839
64058 15718 93984 77406 40997 46664 15043 89607 13039 44360
02594 80822 26943 55668 31261 00708 88686 73926 59993 80304
09991 15332 32739 29172 62758 34876 76877 21301 77355 61523
97845 61970 45687 57307 93385 52760 14986 30046 35866 96892
83265 54356 96101 12089 32373 80657 07117 43139 59571 36847
91290 91361 93602 52346 99312 03151 06151 59188 34397 84784
54663 49854 60185 35699 17447 96523 15781 17402 06997 61449
86347 00221 72477 53126 02713 55064 27306 07949 68413 82403
62768 02051 37617 95632 33609 22996 92365 01023 26531 56032
92563 41440 47542 64578 97168 96025 89090 69632 80005 53009
62916 57805 88642 97870 09569 72638 19779 84004 20521 68928
09573 78108 33813 34711 62340 97448 89178 10619 66082 81222
53572 61284 68258 63181 53051 78486 10249 37713 71934 20715
43958 36572 05193 18857 78969 58433 74995 02677 33714 18478
47354 27792 89077 10173 09801 07814 67887 96457 96039 81364
88714 72499 68514 68633 67426 67231 94810 97181 64940 75838
78856 01663 04599 40391 32837 27161 07609 20813 00778 90836
19993 23363 69709 81548 29475 78829 29392 02157 95752 87616
66486 84194 42572 73911 04156 29581 85075 16126 23003 59080
90821 45788 24297 72179 97950 32083 21425 48086 38904 94226
70495 42526 43154 08855 76051 60020 17375 04623 32809 06352
26488 61197 89373 50885 24031 54833 44861 53441 05275 17716
14375 35409 81532 03263 24262 99782 99099 74573 23090 29814
51261 58202 19293 20964 56799 30457 81405 25841 03447 28409
61837 16821 79711 02783 30117 96022 43528 54948 26554 07341
01158 25161 72234 30209 94774 24277 96314 59802 22192 26104
66532 03338 37148 62581 33878 47183 03593 88988 27362 74458

02426 11357 59822 37801 14102 93269 30699 17008 25563 84254
36723 38281 00000

10541/8113/6791 kHz, 11-10, 0700/0710/0720 UTC

11173/9246/7611 kHz, 11-10, 1200/1210/1220 UTC

11166 70202 64751 09039 02079

74292 64150 29653 06826 27814 90260 09134 33121 66298 59967
07405 91460 47857 24588 32838 71324 96125 43949 99553 89311
93060 97614 52293 90750 06566 04093 67425 65829 25637 86892
61573 54339 53766 44018 43674 12488 06156 24845 01625 67176
77181 57488 56056 04887 74799 50381 47608 07454 55326 12694
99912 97975 65481 98523 91734 63009 67233 80483 38125 32008
84704 60467 33131 19450 18931 86098 24432 76276 23328 37533
01435 83658 44272 03427 50593 78797 22255 29510 59314 73017
50913 52408 45550 98721 67704 04253 57845 36755 98629 76081
46123 40647 37550 72841 84630 79724 64559 94010 70224 77167
91708 04574 98228 70345 57575 64350 33068 85221 15135 71707
22098 58426 72431 03774 22823 05696 71260 58568 28591 27342
81844 45338 86145 33857 69748 00393 71593 37475 02750 31804
00715 57399 14735 95573 92584 33671 30787 46657 39686 46203
91085 58965 83186 71842 05530 33640 85227 29905 56685 41204
98554 11475 15880 82798 91243 19825 31258 43025 53306 55016
49662 38457 20110 27041 42236 03988 40576 08108 15583 61547
32156 92128 22760 61269 12488 67500 38024 95188 98045 96395
24731 19239 44831 40217 18244 07506 14833 83827 79368 20303
02606 48934 60034 53649 61036 25491 29012 63767 48890 46275
98832 60665 77056 49200 35930 39205 00000

11166 70202 06789 09040 01719

26299 61784 94882 01706 25823 41203 98608 83526 50189 35551
36826 93808 64427 48630 94453 80874 60874 19240 52879 02591
95878 03712 71154 59038 16319 75794 86743 98865 68311 49339
02146 25635 41144 23922 50993 99863 65888 20471 47654 94200
70884 97559 54478 20547 40930 19327 14339 63802 53605 23501
67745 09181 76694 65229 65604 85226 86864 84988 11605 81948
80834 30229 45103 00737 71210 70289 11142 31093 62584 98645
25868 94337 31992 48846 78444 64570 61815 14149 65963 24539
50623 65674 34404 52455 56209 09729 92447 35120 23583 09094
65478 56824 28634 23473 52727 02818 22912 51019 36360 84654
89190 42920 12654 45624 18726 35310 95834 41677 99348 83198
30495 67823 55068 26233 69716 11825 18167 03673 73717 70770
32811 54545 00409 88917 66021 70168 33506 78353 32793 28256
35875 30502 78036 57512 45529 36855 10993 09009 84457 33723
90955 72008 23459 37065 37708 30227 63313 54303 72491 74975
53705 84227 84446 79069 04099 81858 30568 96305 41719 02767
83437 57413 25348 88247 72002 47388 65599 58202 09161 40169
00000

10541/8113/6791 kHz, 11-10, 0700/0710/0720 UTC

11173/9246/7611 kHz, 11-10, 1200/1210/1220 UTC

11166 70202 01653 10041 02539

60304 67817 24745 03769 48535 90092 04002 39922 50899 75479
22626 27367 10747 71980 26142 87713 12673 41795 04124 22306
32459 41438 13704 18262 13849 71145 56504 29179 96980 56628
98808 64373 88191 01173 50716 15301 73340 70023 38241 24128
27299 56532 55190 19090 01977 93221 45895 22050 24871 78413
37814 50699 95912 92425 59581 97821 29005 55619 38223 70115
63093 07839 07928 09801 00828 98537 74652 95901 38985 94715
44205 42260 47471 73284 36881 14797 61597 60073 32857 16555
85185 38390 75766 42171 18108 19662 68049 01132 29723 75923
42832 10771 14231 50491 59270 07509 94330 86302 86238 47809
84347 94590 72386 10277 25097 90580 62099 37920 21924 03400
65158 44934 89457 06897 57676 42128 81157 53036 94417 11530

09624 77380 16828 00363 56100 97507 88109 98406 95050 87953
40389 19118 55607 48332 02382 34270 89987 04552 17106 85018
08026 61826 43254 76290 44253 02050 00963 92496 05637 52562
46637 84966 48829 36649 35480 54737 56820 29128 33531 23752
07833 82173 91305 64654 19445 89437 98470 65537 60562 17192
05495 14797 11458 56166 54487 63549 85485 74018 51618 38149
70645 88333 73236 36190 49285 34286 57611 09627 05419 03951
30838 81831 03995 22421 34335 25276 56326 71369 43240 58005
26343 43592 41142 56196 34667 65268 39601 35244 52645 85643
52424 52016 70693 37671 27777 19890 53937 72814 47069 22437
25466 95868 23112 48357 13714 46400 79523 88207 29659 32930
63184 15336 47808 87646 12253 13706 50570 98469 33904 38940
68259 75456 16412 51498 18165 57299 68792 24840 67256 13795
60319 41251 00000

10541/8113/6791 kHz, 12-10, 0700/0710/0720 UTC

11173/9246/7611 kHz, 12-10, 1200/1210/1220 UTC

11166 70202 10785 11042 01959
33253 33450 50256 98949 88338 75790 49570 27293 17145 19573
35855 26784 61009 42692 18197 12381 98270 69064 14871 06358
27249 42246 22140 88185 23140 53198 15104 87705 63453 48055
10257 45066 34994 56672 84773 29292 31115 50102 03814 54563
08304 60786 08890 41970 13508 74117 57819 71759 41005 28199
96594 57699 51595 55586 77847 37344 08024 91615 84122 56633
14956 94685 93431 01836 78004 23116 03106 13132 76984 96802
03844 67644 93240 75631 20211 62417 00786 00078 21048 59268
44297 73343 25898 81586 77731 95943 13135 21822 65592 02335
23972 71486 64043 47220 91709 37995 85159 79426 44675 30296
78565 34968 60434 58412 77357 83286 49054 74674 56615 90447
57970 70375 19707 02397 42925 61947 97732 78570 75829 57329
43960 83502 75931 99396 96556 76652 85823 37040 29633 16318
41763 08873 19723 99782 66715 02702 34685 36399 77225 76050
92122 87221 07717 17937 12645 22820 55647 29590 19245 81871
35754 64441 46834 15181 53587 77793 53528 56590 78970 63154
51834 11214 25960 15098 99229 04644 89667 82956 53925 61185
14957 84333 31855 06740 96338 80531 13153 82871 40898 83536
81871 35429 33706 96994 29005 43198 14978 07045 46029 06794
11513 11626 40912 42193 00000

11166 70202 48179 11043 02219
84169 63561 73433 09908 10285 60272 63254 83112 48864 25652
77041 39651 59558 46535 30492 99871 62447 38754 70827 60136
67977 12646 90487 61257 71800 79207 44723 59807 11887 22270
80791 31002 82389 92773 31050 59344 92479 71716 32783 64694
02140 44378 57883 46503 76365 62792 42062 95056 57091 01277
99410 28762 66777 23656 53013 20565 80112 61794 62649 65377
28883 15533 86737 94924 77680 63972 47368 69684 03776 87292
61112 94415 39062 66426 09314 60488 72006 43720 59123 59970
78117 37950 42290 32596 94902 58352 31018 21381 47672 58824
31643 39889 53872 55719 62722 21891 35094 38392 38303 21836
36532 79423 54543 51401 50373 99930 45837 21212 29637 77809
32966 82417 68824 28484 04317 43660 69512 77851 25848 13010
17001 59974 18765 13418 54639 94681 17809 64453 15562 89511
24144 20864 71826 07640 05513 36871 27192 67199 74203 25705
42049 46850 57186 10014 37132 55910 84235 80286 13285 06455
91034 67145 90444 64634 93172 40516 75800 66948 87121 85973
61207 02087 96802 14520 83936 98084 44781 49495 54310 95666
52775 84377 67701 09970 58673 03388 56831 75125 06364 41399
96563 48757 44909 37434 62856 72399 31521 08527 03053 44829
68971 44844 88159 78277 04803 61240 08387 83678 62654 25110
08894 48910 23917 08830 27870 20249 21667 01222 60912 49619
40944 47539 48694 19480 56024 35301 94043 52372 98639 43219
00000

10541/8113/6791 kHz, 13-10, 0700/0710/0720 UTC
11166 70202 34578 13022 00049 00000 00000 00000 00000

10541/8113/6791 kHz, 16-10, 0700/0715/0730 UTC
11173/9246/7611 kHz, 16-10, 1200/1215/1230 UTC, FSK 200/500. Wrong shift
F06a: File 44455. Header 11166 70202 27849 13045 00009 Binary contents

10541/8113/6791 kHz, 17-10, 0700/0710/0720 UTC
11173/9246/7611 kHz, 17-10, 1200/1210/1220 UTC
11166 70202 85704 16046 02239
56274 16960 55397 95935 26268 19343 27956 98593 25316 01568
93148 13166 21588 34092 42890 77432 89805 54311 03421 08974
77590 41765 05713 75495 47443 38706 76717 67486 58229 44483
29507 90207 75653 51807 55974 97858 05134 12636 69247 67705
98447 89722 22014 01110 35191 89720 82593 27659 81881 62551
34440 50386 82198 21241 68837 76689 23526 24378 02250 79804
99154 62737 67908 39914 89514 62546 58208 80730 69292 43774
32255 96081 38942 95689 60861 20188 90768 99770 40131 42851
41640 99014 33038 70798 63789 66692 71493 13163 26051 14527
47414 39107 24716 80161 02844 91501 51902 70499 61269 16773
08920 71239 39678 21719 85011 18239 15621 64217 60458 52763
80434 18472 61263 96812 92297 22357 96869 08202 75007 77201
30779 32598 93686 09755 59585 36637 14387 28955 50902 01169
76676 07416 97532 68272 83947 85430 08694 73122 66294 83977
65822 92063 13785 84557 10796 61716 26242 15498 93316 43232
89679 16757 78212 95527 77563 69843 64723 08284 50043 98481
40766 22500 96510 82564 14412 05459 69364 74868 18476 68775
42618 14229 76149 25347 35306 19954 84994 51337 64511 97948
95963 54920 31802 37396 75318 54338 91700 42972 54640 51076
23838 75935 92884 79394 91230 67768 73438 40098 02221 07245
30914 69156 56399 94764 30611 65651 03894 93101 69900 44574
27557 51925 69810 83470 28934 50705 84278 70241 31037 94665
80569 46221 00000

11166 70202 63794 16047 02199
44904 04216 81293 29343 71489 04196 92844 99735 24977 00966
71941 25098 64846 98999 66514 75847 01066 64914 34230 65875
98021 44707 21461 90352 84696 68839 16898 50453 02924 90474
00993 59867 81166 92175 93933 50462 99846 91600 11168 31760
18976 83932 26542 86284 53891 94472 42446 12780 48833 02791
20798 59193 64899 05945 80206 21227 41988 00753 05798 61254
48145 25569 00696 18002 05885 74443 38415 18693 82746 90572
79825 53732 50257 05862 74414 39591 90361 70618 37410 80539
55213 83397 59882 47105 98088 52254 44725 35269 37529 43536
47122 01168 72344 45469 27658 71115 88574 51480 38426 89079
82283 29561 11328 21140 09515 06010 03754 36089 57961 05285
85614 63366 30536 10162 23131 46273 52384 08827 93114 96922
09818 54502 56712 88819 27252 94733 06389 37346 42807 96195
68093 25236 09978 97366 76680 54298 40622 88398 53057 60956
70116 11469 09932 15458 38274 14936 08474 36477 85875 23207
81509 74034 76392 77746 20958 01557 19043 98699 94547 62490
36416 18551 90160 61732 36399 31131 65960 18766 04300 38257
29758 63487 29278 69440 94853 02790 13837 70975 69410 54070
39735 21061 87189 05242 31594 78254 46632 79754 66656 10470
80661 75858 30772 07244 41107 49023 24142 63725 72845 79916
95945 91649 13103 56267 10730 43207 58048 53233 90872 51447
42954 55248 78662 73208 25852 93634 17062 47217 00000

10541/8113/6791 kHz, 18-10, 0700/0715/0730 UTC
11173/9246/7611 kHz, 18-10, 1200/1215/1230 UTC
F06a: File 44448 (binary contents)

10541/8113/6791 kHz, 19-10, 0700/0710/0720 UTC

11173/9246/7611 kHz, 19-10, 1200/1210/1220 UTC

11166 70202 18639 18049 02239

85878 10443 67730 91464 77734 88843 82258 09376 51233 92085
62060 15503 76721 23501 70322 87193 99644 67049 56146 58827
50973 97019 24446 41417 16770 00763 59007 77559 14279 48117
40846 00038 23647 24590 69147 29237 86469 90802 14743 79445
70297 04443 41319 26386 11682 08404 89871 57933 89116 32726
70724 21002 23882 85857 22396 40233 90369 32854 15519 61187
39788 24400 88929 93000 33824 08468 62286 13310 78791 20990
99923 01088 28511 87863 00283 52886 43390 72094 97349 55494
00064 99988 45555 41046 82059 19742 63065 43306 94005 92753
69784 88582 36342 29831 52104 23659 01405 65541 85834 37862
64451 21715 78975 70319 55308 80973 02751 71620 03231 01892
42666 59726 99804 07803 05847 92098 70312 69780 68463 04580
08969 40943 06394 37488 29953 61557 92646 28787 74339 30649
69147 73347 60036 71595 03712 46847 89544 91451 92852 07703
64532 01307 98549 43843 00310 92533 30089 66800 59966 05272
18818 88547 11034 06396 05776 73631 42256 39257 51748 73231
41779 09807 53524 44043 02398 37961 91427 86049 58973 86439
39865 02765 22181 31041 86527 72122 21109 74530 25976 10150
37103 50422 52706 87246 04391 49501 17768 89073 21250 90861
73254 27530 34275 50126 95610 90734 82740 00283 11607 51418
76849 25630 06508 97375 14937 69060 90778 64436 93947 94839
71701 31209 30803 71506 28927 74227 66004 52581 70543 24884
41526 49221 00000

11166 70202 29043 18050 01839

64605 86341 08779 60824 35289 21005 72764 70075 55099 64783
60307 55582 42054 68966 92179 43572 39022 88201 46660 46767
41045 98719 97263 85834 47061 10603 00586 40129 63330 93948
10067 68772 99829 74000 14199 19144 31731 14755 37758 68016
94693 48464 02045 28394 65617 33172 80296 94361 63352 93348
42770 62887 58104 74048 63794 25328 49859 50221 20837 62526
04257 49437 74519 36823 46895 71757 68099 73584 21445 44376
84321 36556 00788 95578 66132 05210 78497 69474 37045 29954
26956 04021 60672 47002 58770 98968 12090 21021 26980 34025
41025 14960 15160 93781 36944 27101 19051 04674 47877 89352
91651 38690 03221 97529 81889 33352 25061 15286 43372 00712
91983 64600 10267 08493 76748 00278 89846 25578 78917 46644
20392 32766 08564 79441 26285 77934 07555 76477 64167 03375
35429 23829 76153 69422 08471 78457 37245 43488 05603 46317
69172 52777 30297 94516 45576 41794 24994 67726 80861 69973
58066 05038 77109 03702 82723 44728 35399 11859 03787 53776
92219 94317 12118 16890 37254 57060 29893 21848 49987 53101
04459 39734 25202 78637 27908 83812 13047 54557 54595 96102
80581 50181 00000

10541/8113/6791 kHz, 20-10, 0700/0710/0720 UTC

11166 70202 54287 20069 00049 00000 00000 00000 00000

10541/8113/6791 kHz, 23-10, 0700/0715/0730 UTC

11173/9246/7611 kHz, 23-10, 1200/1215/1230 UTC

F06a: [File 44451 \(binary contents\)](#)

10541/8113/6791 kHz, 24-10, 0700/0710/0720 UTC

11173/9246/7611 kHz, 24-10, 1200/1210/1220 UTC

11166 70202 86391 23052 01939

80130 68280 06764 59331 28137 3698 02046 37531 68788 408355
59008 79114 97570 39483 21091 8332 64199 67780 23927 380057
00379 80539 36248 83851 44618 8102 25393 56972 47440 328260
22151 30684 38218 96526 86570 4881 85700 05146 83542 692355
76643 09394 83163 25644 58762 1955 23699 13697 91336 509413

55807 20821 25794 64776 38899 4381 92574 28972 59421 240900
42029 40329 07483 73391 99716 2533 05756 89050 69842 110257
39621 13745 73268 20711 12576 8203 89385 31878 91140 281339
09218 11440 34551 26922 44124 3773 00123 11208 88590 400163
45976 08402 07223 06963 90210 8108 26047 66436 13930 354179
64795 39518 78852 75897 43487 5060 12277 09520 46834 556628
96055 62652 79518 38889 50445 5410 11474 47474 16077 277054
89533 14704 78380 17417 98873 5451 32240 88131 20418 023363
33753 67670 04833 43630 21107 8180 79201 95348 78244 648141
80395 69551 93553 64663 27209 1067 35451 15446 59199 756176
75006 01235 00651 65817 85070 6022 37332 07642 53743 601912
93013 69650 44479 80785 86789 1242 41458 48676 82253 994695
82010 94976 12196 52023 67380 9634 03141 42208 92689 941040
87520 83941 77649 92685 74571 3842 90953 32979 50272 593800
52198 52191 00000

11166 70202 38254 23053 01739
84296 75286 55083 78856 40306 3638 78121 13909 00398 310176
12668 32759 83213 75351 56288 9738 12662 92635 06132 409987
11091 57618 01220 44475 35205 7859 53589 19356 53066 183218
64037 92496 04532 83142 67764 7474 66373 15157 99413 695184
81245 94937 20240 72377 36022 2931 82013 75678 44442 471773
83182 41506 88021 74694 50639 0489 49016 66339 76295 238778
47082 71597 85348 94312 79852 5431 47322 41042 61422 084785
90827 24202 31354 93030 47767 8668 29686 61239 74170 751609
52001 38897 83687 96026 15607 7105 08513 34417 08527 916328
31389 24088 99594 14381 83684 7726 34835 26380 49697 706353
04155 39736 20809 21132 62068 0694 70161 74559 19923 559450
06198 40475 75667 22277 96836 3009 77993 13923 90084 769379
35091 99981 61976 19015 54518 6471 39302 83830 42331 553602
40497 45536 34700 23395 62700 3537 84905 80322 67478 731235
03373 60343 74437 93668 54020 1856 33574 64042 23660 374791
46663 06785 27698 84043 96487 6742 03850 17693 22387 752812
80685 85459 08003 69125 55921 9482 58693 23689 48281 239345
83571 53171 00000

10541/8113/6791 kHz, 25-10, 0700/0715/0730 UTC

11173/9246/7611 kHz, 25-10, 1200/1215/1230 UTC

[File 44454 \(binary contents\)](#)

10541/8113/6791 kHz, 26-10, 0700/0710/0720 UTC

11173/9246/7611 kHz, 26-10, 1200/1210/1220 UTC

11166 70202 85417 25055 01979
91231 94114 35973 48999 90450 92523 68002 51163 21808 04247
62514 09367 71793 02813 67599 41279 89858 16033 00023 94274
05630 30780 62869 02413 57536 54894 48837 71631 62554 84660
71353 04111 81752 51284 90722 97728 61331 44814 27470 81550
53825 38936 80085 73298 49179 65093 89349 69720 70373 09352
16428 05818 13285 30462 26921 43849 35472 22546 98062 78062
23581 70856 91245 66085 94043 74035 57073 22912 06770 31312
65107 38428 96511 18087 75525 04405 51595 98322 94844 61905
94697 47201 82926 05040 45367 82460 03437 02004 68968 27865
34940 19338 41735 57243 84842 60351 86634 92532 73340 53640
59710 54253 79583 52642 91602 87876 67229 32164 13940 14500
31581 92818 25268 79276 35494 09311 76231 96041 26242 83504
78666 11561 50522 88217 68323 37851 09797 12677 75873 26000
23155 45563 85913 79931 89878 56601 88648 33548 68905 62620
53926 39686 17370 89013 82338 44334 55417 62564 13042 44532
49477 96541 93023 53408 31173 54026 37465 20773 94074 00393
35916 82727 35460 80895 83951 38707 35290 84280 45008 79404
89576 78377 72080 14007 40333 28601 43971 70194 69294 35296
95777 65323 47590 50869 48304 72241 58571 62649 66090 28164
35957 52395 98732 60066 84511 55195 00000

11166 70202 97614 25056 01759
76407 03048 56914 15139 03569 21545 61982 99000 93539 14836
96305 63364 46167 67480 84308 13521 78807 95732 29605 54232
23738 78323 87647 46727 81901 68983 47072 09161 93955 95378
43168 77717 14527 74175 51913 70545 00636 96893 38016 21707
50213 66257 55397 77345 51658 87712 23551 71234 30365 45815
28222 21920 03157 20168 19838 18625 76571 20593 08133 88112
49937 46233 76394 59700 09158 98267 63789 70591 22169 00921
89177 78742 71988 10473 14883 75428 88302 16929 73830 14702
63525 68071 08505 01941 64261 70542 95167 08658 74130 47680
51759 05775 28862 58777 52928 32533 29623 09444 00636 43243
45499 07784 23756 99049 41079 46053 05123 96906 90071 12492
59451 52944 60892 63025 10578 82417 85166 07511 41457 43427
45074 90224 15342 36597 40484 69276 91603 77893 21809 24635
84607 86778 99521 49452 39101 56884 66263 04383 20537 01389
92499 39573 43780 90295 81634 14015 88628 21785 95545 66949
75586 94843 86459 21015 00334 75343 96117 21812 50319 72771
08166 43584 51924 69790 64692 15709 21627 71813 82880 49660
19610 68792 32685 56173 00000

10541/8113/6791 kHz, 27-10, 0700/0710/0720 UTC

11166 70202 16824 27093 00049 00000 00000 00000 00000

10541/8113/6791 kHz, 30-10, 0700/0715/0730 UTC

11173/9246/7611 kHz, 30-10, 1200/1215/1230 UTC

F06a: [File 44457](#) (binary contents)

10541/8113/6791 kHz, 31-10, 0700/0710/0720 UTC

11173/9246/7611 kHz, 31-10, 1200/1210/1220 UTC

11166 70202 71695 30058 01859
87862 39344 00879 05024 21671 67055 21664 85138 42238 09457
27740 08658 89579 13707 87338 63663 10427 00856 25104 66147
07047 03699 78024 33139 35218 40082 03867 20118 14266 48403
00266 03911 55634 02955 88245 42900 60516 08124 00395 91803
73322 51657 68671 83628 58680 20074 25746 98266 68033 19107
55389 59360 29435 32079 59980 68675 32087 84093 85793 66288
81299 21148 30271 91137 63274 36165 88527 39152 69207 12781
14225 44035 94429 66070 05990 48401 71133 28690 99347 29668
42797 30779 98766 40304 69690 81216 82726 12094 35270 23542
63191 76391 96275 67959 72190 76611 60730 23667 98527 12130
58678 08221 47094 63641 91841 03919 13569 49672 74902 79176
14400 89434 43647 75692 06113 27328 55904 38348 83641 79530
60645 83155 35248 88711 91898 41141 28759 97485 33432 73763
13368 22295 60393 01085 33357 03044 64852 49452 53425 12536
94139 84340 65092 80508 19016 26569 06261 06517 83479 12871
72299 04383 09958 79246 87064 48304 24184 54302 81827 94443
94632 95868 76552 12293 74942 54402 67158 13129 14926 12519
11174 65483 25815 36670 37422 87112 95486 88957 86572 43273
18806 91251 66832 58183 00000

11166 70202 54318 30059 01819

47215 23881 80562 28610 20113 72072 61743 16722 79293 36656
49832 72869 82358 98992 24961 35761 13947 58402 67754 39501
57029 62479 02338 14949 92095 03870 29420 76015 72423 86327
24952 23391 16249 92068 01683 92679 55100 58881 93785 77496
47703 36775 77693 11679 44137 19951 48657 42195 30453 93137
88742 03963 72335 61071 68385 88702 89900 90602 12516 91043
62258 61719 63126 86308 91405 54710 81023 41046 65426 37256
90620 36958 22354 95800 60351 65294 73285 29576 30908 18515
49443 53542 20922 12770 50638 31290 23107 50818 12526 95582
33885 12606 67739 29611 33121 69093 61888 99146 36559 72690
38160 44271 66078 11631 67427 59069 51388 76403 20198 86998

31067 25789 82526 98683 52701 84066 40174 37961 13113 27848
83617 26365 64491 59270 46718 07011 96711 22966 73138 57421
32957 92625 20075 81681 56399 32630 21980 81538 61805 13192
15439 18239 41505 04562 87445 81871 81180 51105 00814 96387
47493 21584 89998 41499 24622 20870 57690 96249 70576 43777
11942 59073 06208 24800 59489 58595 86045 37722 85394 74156
01780 69747 84216 21786 13965 81381 73358 59876 81471 59179
00000

Link 80214

20321/18629/13983 kHz, 05-10, 1330/1340/1350 UTC

11166 80214 52317 04069 00049 00000 00000 00000 00000

20321/18629/13983 kHz, 12-10, 1330/1340/1350 UTC

11166 80214 54318 12067 00049 00000 00000 00000 00000

20321/18629/13983 kHz, 19-10, 1330/1340/1350 UTC

11166 80214 21573 19067 00049 00000 00000 00000 00000

20321/18629/13983 kHz, 26-10, 1330/1340/1350 UTC

11166 80214 36574 26051 00049 00000 00000 00000 00000

F06a – FSK 200/1000

16329/12217/11125 kHz, 01-10, 2100/2115/2130 UTC	File 04491 (binary contents)
14621/11057/9369 kHz, 08-10, 1500/1515/1530 UTC	File 04492 (binary contents)
14621/11057/9369 kHz, 14-10/15-10, 1500/1515/1530 UTC	File 04493 (binary contents)
14621/11057/9369 kHz, 21-10/22-10, 1500/1515/1530 UTC	File 04494 (binary contents)
14621/11057/9369 kHz, 28-10/29-10, 1500/1515/1530 UTC	File 04495 (binary contents)

5331/5944/6821 kHz, 05-10/06-10, 0400/0415/0430 UTC	File 04401 (binary contents)
5331/5944/6821 kHz, 12-10/13-10, 0400/0415/0430 UTC	File 44402 (binary contents)
5331/5944/6821 kHz, 19-10/20-10, 0400/0415/0430 UTC	File 44403 (binary contents)
5331/5944/6821 kHz, 26-10/27-10, 0400/0415/0430 UTC	File 04404 (binary contents)

Link 70202

See under F06 ID 70202.

Link 80159

11128/9467/7464 kHz, 10-10, 1520/1530/1540 UTC. File 80159~1.TXT (1918 bytes).

11100 80159 56730 08145 03109
MLDRV SPRBU PSFLD UJDMP VDLHK RPKNW WDHIF LNPNU GXISV BQAYN
UBMRD BUMYV SRMIE ISFMB BRSLH GQJDY DSKOQ QOHFO IMDNU HYIDA
DXPUR DPTIS GXFNY NGBKH DIUTM SMODQ UXGBP OMJWH KUXKH CEIMX
CBETA VRWHD UQGBA CBFNK JLKTK HAPSI XFTMD RDIIF IGRXX SYSTT
KAPMP GCSRO KCRVL HXOVL YHWNF JHECS JDWUV CHITG IQXGB RWAOM
IBBDQ XJAXV SOGYU ATQPM JSMSB LWONA IKGMV GLRWY GEOVM UGQOC
NSEHL WOLJH QMMUW SPQLJ AUWSU BBBHI YYYMS MBKFD ANHKO AXJMJ
BWSCJ EXRNV ILGHT PUCUU WKUBH SEARM KEWOQ QFEUC KFRDE TOMMI
XSJGE KDAAL VTHNY VYNAM URVAB BXPAP BPFCL RSFEV CRSNX LMTPA
KBOTU VCUKQ NBDUC YCYSA MNJVD QXEVL ANASE PAHRN VIMRN BPQCG
PIYFB SIMXJ WMKSK PCKYQ VCCOD WKUOS IWIPG XLUFE IEMTN LGTFK
WBRCM XQIEV HTSFE FQLCG DEMDB NVTGI TQVMM VVOBB KITUG TVNJK
MYVTQ IYGLX APJHP USJPE HMBRR WSALW JLPV PXGEV AKHWC HSPWI
QBDRH RHIFP LMGNU JXDHT QMXVS QJSNI TDEAH BPNNR PGSPM CQJOD
SHSSF ECHYM CIEWI PCKQO APXSM KJYDG QEXSB KLDL DLHSB KMTYD
LOWDD WLYTY MLPGQ HKRYU OSKNQ KOFOD HXFQB GGQPJ NRHCL CMUAD
QXEVU LQFAN AWSBM GYKIA KRCPA YOVUK EMCKS QSAKR TGVSJ FBDBT
JCQVT YLPYI CUPAM CCYXX UIJAN CINWI FYMBP UPWKG FXMCF DQDYU
NVOKN EBUMO IGTDR DUMKG AUGOE UFSDU HDDJC XCSYK SKYQK PDRHQ
TVHXP TEAAW YOWDQ CPXYJ IYSMQ PXTVB LEYHP XJSKD IDYEP XJMDB

JQRCE ULMOE ATASF XJVCA QDFGN MHVCB IXLOB BMSSB JOTJE CHBEL
 UYRIV JSPWF VFSXQ CCPDC DHWWF MLVWR SEEKA PUAFW HKFJP IMRVF
 IGPPPL JOVVP JSVDH TEGVV ITLAA VBERP YSHXG SWHAF RAXYO FSBXN
 ADAAG OOWTH AVOTD INQTG SNQLN WAXRU IWPFX NRSOU KMKBI LREDS
 HAXXQ MWLLO TFRSF WHLSG ASHHA NJKXM ARGNU QYMIE HCFYS PSHYB
 IXKUL ABKJY OXLOC ARQRV FUDDQ LJAFV NWOQO FVWWK OAELV PYUUT
 KWMPQ CIMJY AGERK LTWBY BAQVH PBPON KJTWY IQAXP NXVRP KWHPW
 LCFJV PJGAM HWURV CEKER RTKUP MJDBJ CEGXD JWURV CODYH FDPFH
 GOJRM XKLNG AVQRJ ATPBP LDUOU WGKLR OCGVF NEDTQ UGTBB FLRFI
 CURMA LPCXV BIRUN LBBTR ILPXN INQAC RNIRL PSMLD TEOPH IPVDD
 LICOX FICPR GGOWN DORJK XUCEA NRGEL HGFEB DKFHV IDEAI

Link 40144

10755/8063/6782 kHz, 19-10, 1620/1630/1640 UTC. File 40144~1.TXT (1918 bytes)

11100 40144 47563 15159 03109
 AJXXM HFODX BUGNM SQFPM KDAHR OEMDA QWPLU NVJNJ MUYOI MPWOQ
 NWDBK LCLGI JVYIN EGMWM GLBKI VOBTC HTYHA XPJOD GNRQS BGYNI
 ETJGJ AXHTC GEXKS IPFQE DVKKS GXMYM OCTKI HJIVM YUIUK NJACF
 XLALB JGUNW TLAJN JALFX ICFYE HLDCX HDHVV OWUDB NHOTE FQOUX
 MVVSQ NXUPL WENCD MRIPD IWSLC MEHCT MBCXA DMARH GWJJR ADOTO
 ITTSA WWTQQ HRINE NRWAF OIRVX QHTQR RTFEP KDXIW DYGUB HHQAU
 OKNKX BNOLF HQJBQ TYAVQ RJTKP RUMIB ENQDO SVGBK SWFNE DHBBE
 VUAUK OPPFQ LYRTT LPFDJ VTMJA RQLYM GUTDC WORXV IMEKF INTMQ
 JKDUL DRSY SXXHF VRMOK AMRXI YPYPW BNWPT IAMWM RKSYN ISFIR
 JASPH IDWYK TXBCV IHLEP KDCBL BPBVB JOQEP CMEBA PMWVG KJBBY
 LQSCW VNJUY YAYNS DSSHF WXAUA OIFGI XCYPR BHKUO WBOOE WTQTF
 XOWTU UOLXC DAQQL IPWWA HENMY WTILA XDFML IXRGX PJNXP VFPGW
 OKGUR CMXMN IBCAK QLBMN YDYDV DVMAE VLOGC CFUKL UJOYP DFVAA
 TEAPK HEVEY JLBKJ POQFF XWBUB QLTTG OYGOQ FMKMJ DAHBY OBHCK
 SDHOI AJLFC QEYHQ NGGNW RDUAI EGKQS TDYUO KSHUE AEYHH XXCHM
 XVIUE VRDWJ SBVMD WUHCX KGNVE OBPDB JYAHY CUVCB IGFWE QPKDS
 RWWLC YGCYN OMADY VVWBX XWODG RIMUT MBKLM HNHQK ERUGA XCYDF
 VNAOX HKKGS EUUIJ PNPIJ EEDQO KCOMW SGXMW XJKNR YCHSA LSIRW
 LREJO PSXCR IPMGS IPPBI TUTHV CXCLU NBOQK HQJLU YJRUA TIXUF
 UDQQD DMXIH GGHNU NEJRN BBSAN BRHPU SEVFA VTJBP BOUCV IYLBK
 NDCTM KXQVP AYDVU HAONV KWSRN VUXJM GMGXG YJVSU ONUUJ NTFDR
 MINXB JQHOJ WOHWL LNTQW VQTEX MLHIF GPYRL GPBHD CDCOG EDQAF
 PNEMG OYKWF MTLNM THUAX JLEHY EQEDG DKSDL KNCHR UESNG ERLEX
 TYPHE JFAJY OOIMK MKNBC YWVAY NLYNN LJHXP YHLBO VAFQK PHTUS
 BGQBI LOBEY BSLJC HTUJD GHYWB AJXXO GQPFV TBAJN VVORO XNJIJ
 WMFJY MMYHO BYRYP VSFKG RUIWQ OIKWD JIEEX CQYFL PSMRS XTDBY
 MLEXS EYPIA MLRND HXLEU GWUPC DUKQG LDUYC ELELR EJNVD WLMHK
 HRAOS LUECV PKELO XBEIF FVQMH RDNLY SVBNE GHLQH YQWCD ALIER
 KFNBO WWBCQ FJNMA PRKRV SMVBN UBOTD YXDPA HUKIT GRMWN YGJYE
 IYHXC CJHFG LFKGH QIPIH SOPCT GEUGQ QFTAM JWMCJ TVXFB GXDLA
 FDDTA OFQLK WKTAT ISWMM GYMOH SRWML MOOXL NEXRW XCOXP

Link 00173

10316/12219/14652 kHz, 23-10, 0800/0810/0820 UTC. File 00173~1.TXT (1955 bytes).

11100 00173 98531 21147 03169
 VMOEL LRFTN JSMBQ HDGOQ EGACN NDOHI GTGNV UJGAL AJFKX HMQJR
 GTEOJ HKHGW AVPHI XYKGG BLYCV PMFPL CSJRQ AQOKL LYNGX APGMF
 GKKTU RQBDE WYLVN ITKNX FUKST PXMNL AEGUJ IGEQO FHOOS YWJTQ
 MVBXJ OAMTG RUXEC RAQPK UIKHA LJHUF MTQHT MWXUE PVTBT QHKBQ
 SDATR LUYTN BYRYU TUUCP COXWO HVYIL VXCYS OXKSL MRRQB PMJDI
 NTCHJ YUANF MNQLR MTRFX TGEFW YWCYN HFFRJ MSQLD CFTKE UDBWI
 CDDTL YOINC DJMON ATYCO LVUOE AABQA OAHHG HCDTB AJQLK LKNOG
 SJWWW RJKLT YNQMM AQIAI KCFSV VKRFL IKCSX HLQXU IBLSM SQJGE
 COIGX ITEHD SDWGT GRNPK HPJMA OWBBH YIIGJ BQFEN OKFHL ESROJ
 KPRGX FEYCA IFBFU DJUVU MOGDK TODAY VCWRD KAVYQ SKJGW HRKAN
 QNXKY RKBVW TYBIA VMVKO CGYIN CEBFP YDEXH SXMXY ETOHQ BRBMM
 NCSIK CKFQX SSYFG UESWT YVKRD KHRUB RJPNT JCJVP JLOCO BOAUC
 GQCMP GGAQY EILRM PNPMY FXOEG LHVRO FAVDF DWRBY LENEX URPAI
 QCANQ OHWQM YQAFG EVIVX TAOUR OFEOE TQWCF IIGJY DQONO YNMUV
 GLYYW UGIBL AOWMC QBWJS DODRN RYBIV MTHLG RLPXB FJTPT TOTBN
 UQJYA WQQBQ XUQKK ROYHW GAEVE NRICP EBXNA XCEQE FQDVM IMQAQ
 OTUHG XIENS WPPAE BXMQG ACRHI IUKOK WRNVC UPTAU APOX NEUEC

WPALJ KMNQT FRQWM YMDGR SHEKK LALTL UPANW JVIFN RTFVB EUMMR
 YFQXP LUNBD CQCHC BODKX OLCXP XYMYC JPLVS QMYXI PSICE UHWVE
 APIEW PYMNS MVMUD KMSOC EROXX KKFOQ KAKES MOOAX BWAFD AIUHD
 EVNPD CQKHV YQSLA BQDJJ UCBWF CLPFY DGECJ MTFHR FOKYB GWEOS
 DSWPG RWSVP QERAD QNVJX XCTOU LMKWX LSEPA QQJWU USNQJ VAFIP
 CNVIP MYRBC MIXMH HEBDW EICYJ VJROI NWMXN ELGSC MNYTF JSHWJ
 GHRSK DRKKA WNGBJ RQKCG UUKKE HALDI WQMOO UVKSB CVWCG TXADU
 KHYSG NSHRV QMGTP VAVHX OPOPW HPYPS AGKMV OGHAW DKVBJ BMEEJ
 QMFCU KUGVV GJONB JASNI BNVCU QYOIQ MLSPH RLRGA AVAAJ MMYCL
 AONHW MYBEA KIGJI RMQUO GNOSJ KCYWM PRKEX RYIIJ ITIKA YFUEL
 X000L KDAOX NTYEJ JJUFA GADTV YHLCV PQOTK VBELV YFTUQ LFMRH
 MBOOR PVFTH PLUXD TPXDN SOORB FATFE LDFPQ YIPPG DLIYT FURRI
 BHUOX JVTKD KBWBG YGJUP JHDHV RCKKD NKMMU TRDSV DKRXY DFDMF
 CFTNS NRKLR MHTLQ LETVX JCJCU TIAEC DFOMO FTIIY DJJTN OERPV
 LTNNJ PHQIW VQGGY JSNJC DRJYX

Link 10053

12227/14423/16283 kHz, 24-10, 1030/1040/1050 UTC. File 10053~1.TXT (1937 bytes).

11100 10053 23459 22159 03139
 TDKOM EDNAE FMEQS QQAJB QAQDU TEEDN LQGIX ECXXA JADTN HJTMB
 DVVLF XLLTO SBEVK MSJIT MXFTX ECTOP SUJKO AWHVE CMQQI JPGSX
 ETSJL QEUSO PCIVS EWMSR MSDNQ LCGBO SMIAF UQPWF NUBYL BSISV
 KFLVM NUDSQ GVNJK UJIXP MCBHM DFVXW UGJJI FANNA WPPVW OVQDL
 WLXKB IXMYW TPTXU GKGDA MBGIS SMCVA IGXVP KQCJW AHRXA GNLLJ
 RMTXU XGBAO MRJJT IHRJD FHUOC ERTBB WWAYT URPV T AJRNJ XLWIX
 XWXOU OHIXE RRPV NDRHO IFDQD LGLHO LFMHF SQOOG PGIMF RKQWA
 EXODT JJRME NWTWM XAQLX EMLXQ CUAJB MBBYN PMGUL KSTQA MSBKJ
 LAGJY KBQBS UPNNY WFERR QEXHT UGWGO TVAU AOVNW GQIQB ABXSR
 RAXLR NTJYE NAOCL RKGK VYGIY PLMRJ GMWDN XDQTD GTINP CUWVS
 OGNOL JEGIT MNCGM VCLGJ DUNGS YTXCA YWVLS YXDWP SGFPN BTSFA
 VXYAR PDSEQ MCWUA YHXY MYYWU YBHXY ESKCW GCXHX EHDNL LMSUQ
 LXUXR JNYBX BSEWD CCWOS GIJYI EONQW NXXHE GXBSW FCHTF VUSIF
 JQLHK TLCBM RPMBL WGBXU ACCMP SDEDI AJGRP UHTXY QOOGJ UKRIR
 KHFFL DBYPN HQALH CTNED ITCSE INOUI YTGQH WEKON DTJBX KFIIT
 KAFUC SCMCD QOIEV TLHAE CKYVA JUBCF YMNNF VFDUM UVPWY BTFDN
 BOKEI VPHYE JTTFH XDACE RIFOV RVVYC WDFGJ HEAGS RHDGC FRIUW
 GXUAM RGILF SEPLT CSXGT TAUAT GQHWY DJEJE SNECA SDRXH YUNFB
 GPRSA SDPKY GBCTH QOWYI IUAST JCFPI MJOFE JIRQL TKIVT TAMPW
 DDNTC PFHNQ OPDIO JETIC CBJJW PHNQY TLABT SIKQX EUCXU GJBGL
 DBQCH HYOVL OVHII ARLJF AJWFS FXCUI TJLMD MUFBR ULYWH JMNPO
 KGNFQ JAUCR TLTYO HOIPU MINUD KSRPN ISCBT STVQJ QMTTX IKERC
 RMXSK EDQIK OPHHN MQVPH JBAWH TRWJT MMJFT OCOCN SXVSL PGOKC
 WFAIN XOEE RNMJG OBFCL DSHRR KKXFQ QRKFL BMMQS GILFR CKVYB
 DQGTI HATHJ WIFKF YRODD NJKVJ TMACY XKYJJ WMMMI UWENH UOBTL
 RFEWY TAMTY XLMSM GMBUF LFHKK HNYXF VVGXH ITHSN VYWNM JPHMB
 XMYAQ RKCSQ YADEA EEGNX LUMHG YXTHV DLTLS UHLLO CGOEX FXORJ
 PURGA LRGBK QTGNR LGHHG GQEUS KOGCO YJQM OAHNC FSVDO IXWPN
 FNWNV ASLMW KLVAM ONKQV SMCEC OUSNL SHIQC RHDCY HDVBB FNFBJ
 NNGOM HSAOH KUEQI VVBE LNKG FDYIT UWSXO TLMDU MKEWE JQGSA
 WSQPW LLJKO RYHFR XXTDJ USCFK QRQEW SKBBV FDMGU CIFBJ QLQXW
 BLGUW PLHKF

F02 – Russian domestic net

Mode: MFSK-4/150Bd/4000Hz

19182 kHz, 03-10, 0700 UTC. Long transmission 1h14m

16230 kHz, 03-10, 0830 UTC

18520 kHz, 03-10, 0850 UTC

16230 kHz, 06-10, 0830 UTC

12198 kHz, 09-10, 0830 UTC

19182 kHz, 10-10, 0700 UTC

16123 kHz, 10-10, 0712 UTC

10651 kHz, 10-10, 0730 UTC

16230 kHz, 10-10, 0817 UTC. Test

16230 kHz, 10-10, 0830 UTC

17467 kHz, 10-10, 0830 UTC
16230 kHz, 13-10, 0830 UTC
12155 kHz, 17-10, 0810 UTC
13395 kHz, 17-10, 0810 UTC
12155 kHz, 18-10, 0810 UTC
13395 kHz, 18-10, 0810 UTC. Test
13395 kHz, 18-10, 0810 UTC
13807 kHz, 18-10, 0739 UTC. Test
13807 kHz, 18-10, 0824 UTC. Test
13807 kHz, 18-10, 0830 UTC. Test
13807 kHz, 18-10, 0840 UTC
17427 kHz, 18-10, 0900 UTC
16230 kHz, 20-10, 0830 UTC
17467 kHz, 20-10, 0830 UTC
17423 kHz, 24-10, 0620 UTC. Test
20441 kHz, 24-10, 0700 UTC
16230 kHz, 24-10, 0816 UTC. Test
16230 kHz, 24-10, 0830 UTC
17467 kHz, 24-10, 0830 UTC
17467 kHz, 27-10, 0817 UTC. Test
17467 kHz, 27-10, 0830 UTC
16230 kHz, 27-10, 0830 UTC
16249 kHz, 30-10, 1006 UTC. Test
16249 kHz, 30-10, 1020 UTC. Test
18635 kHz, 31-10, 0700 UTC. Test
20441 kHz, 31-10, 0700 UTC. Test
16123 kHz, 31-10, 0710 UTC
16230 kHz, 31-10, 0830 UTC
17467 kHz, 31-10, 0830 UTC

F07

11147 kHz, 05-10/10-10/12-10/17-10/19-10/24-10/26-10/31-10, 2000 UTC
10463 kHz, 05-10/10-10/12-10/17-10/19-10/24-10/26-10/31-10, 2010 UTC
10176 kHz, 05-10/10-10/12-10/17-10/19-10/24-10/26-10/31-10, 2020 UTC
9248 kHz, 05-10/10-10/12-10/17-10/19-10/24-10/26-10/31-10, 2030 UTC
8173 kHz, 05-10/10-10/12-10/17-10/19-10/24-10/26-10/31-10, 2040 UTC
7629 kHz, 05-10/10-10/12-10/17-10/19-10/24-10/26-10/31-10, 2050 UTC

HM01 - Dirección General de Inteligencia

10345 kHz, 01-10, 0603 UTC

Groups: 67228 08482 31384 00524 12673 28551
Files: 26236722.TXT 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 37112855.TXT
Callsign: QWERTY01

11435 kHz, 02-10, 1600 UTC

Grpups: 44241 08483 31385 00525 12674 28552
Files: 50544424.F1C 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 37112855.TXT
Callsign: QWERTY01

11435 kHz, 03-10, 1557 UTC. Repeat of 2 Oct.

10345 kHz, 04-10, 0627 UTC

Callsign: 44241 08484 31386 00526 12675 28553
Files: 50544424.F1C 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 37112855.TXT
Callsign: QWERTY01

11462 kHz, 05-10, 0530 UTC

Groups: 44242 08485 31387 00527 12676 28554
Files: 50544424.F1C 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 37112855.TXT
Callsign: QWERTY01

10345 kHz, 06-10, 0800 UTC

Groups: 44243 08486 31388 00528 12677 28555
Files: 50544424.F1C 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 37112855.TXT
Callsign: QWERTY01

11462 kHz, 07-10, 0528 UTC

Groups: 44244 08487 31389 00529 20251 28556
Files: 50544424.F1C 23680848.TXT 51433138.TXT 11720052.TXT 41622025.TXT 37112855.TXT
Callsign: QWERTY01

10345 kHz, 08-10, 0555 UTC

Groups: 44245 08488 01341 65641 20251 28557
Files: 50544424.F1C 23680848.TXT 53340134.TXT 44636564.TXT 41622025.TXT 37112855.TXT
Callsign: QWERTY01

9065 kHz, 09-10, 0759 UTC

Groups: 44246 08489 01341 65641 20252 28558
Files: 50544424.F1C 23680848.TXT 53340134.TXT 44636564.TXT 41622025.TXT 37112855.TXT
Callsign: QWERTY01

11435 kHz, 10-10, 1559 UTC

Groups: 44247 44741 01342 65642 20253 28559
Files: 50544424.F1C 50044474.TXT 53340134.TXT 44636564.TXT 41622025.TXT 37112855.TXT
Callsign: QWERTY01

10345 kHz, 11-10, 0726 UTC

Groups: 88701 44741 01342 65643 20254 58141
Files: 10248870.TXT 50044474.TXT 53340134.TXT 44636564.TXT 41622025.TXT 62625814.TXT
Callsign: QWERTY01

13435 kHz, 12-10, 0712 UTC

Groups: 88701 44742 01344 65644 20255 58141
Files: 10248870.TXT 50044474.TXT 53340134.TXT 44636564.TXT 41622025.TXT 62625814.TXT
Callsign: QWERTY01

13435 kHz, 13-10, 0630 UTC

Groups: 88702 44743 01345 65645 20256 58142
Files: 10248870.TXT 50044474.TXT 53340134.TXT 44636564.TXT 41622025.TXT 62625814.TXT
Callsign: QWERTY01

11462 kHz, 14-10, 0530 UTC

Groups: 88703 44744 01346 65646 20257 58143
Files: 10248870.TXT 50044474.TXT 53340134.TXT 44636564.TXT 41622025.TXT 62625814.TXT Callsign: QWERTY01

10860 kHz, 16-10, 0640 UTC

Groups: 88705 44746 46741 65648 40571 58145
Files: 10248870.TXT 50044474.TXT 22464674.TXT 44636564.TXT 02164057.TXT 62625814.TXT
Callsign: QWERTY01

No transmissions on 17-23 October.

11435 kHz, 24-10, 1557 UTC.

Briefly Radio Habana Cuba, then HM01 at 1600z: 88705 44746 46741 65648 40571 58145 (repeat of 16 Oct)

10860 kHz, 25-10, 0522 UTC

i.p. 88705 44746 46741 65648 40571 58145 (repeat of 16 Oct)

11435 kHz, 25-10, 1600 UTC, i.p.

Groups: 88706 44747 46741 65649 40571 58146
Files: 10248870.TXT 50044474.TXT 22464674.TXT 44636564.TXT 02164057.TXT 62625814.TXT
Callsign: QWERTY01

14375 kHz, 26-10, 0635 UTC, i.p.

Groups: 88707 44748 46742 14521 40572 58147

Files: 10248870.TXT 50044474.TXT 22464674.TXT 43371452.TXT 02164057.TXT 62625814.TXT

Callsign: QWERTY01

Nothing heard after 26 October.

Cuban observations by DC in FL.

13435 kHz, 30-09, 2107 UTC, AM.

HM01 spook, via Bauta. Spanish preambles and WinDRM files, normal ops, excellent level.

9240 kHz, 01-10, 1252 UTC, AM.

Radio Habana Cuba, via Bauta. HM01 freq normally used 09-10Z on Sun plus a few other random days of the week. Running RHC SPA full level audio, excellent sig and good quality, synchro with 9710 Bauta f/g, parallel nonsynchro with 6000 Quivicán, vg signal but Cairo audio, latter usual 1.4 sec ahead on audio. 9240 still going 1204 recheck. 1216z recheck has continued synchro with good 9710 Bauta, poor but clear 15140 Bauta, parallel nonsynchro with very good 6000 Quivicán but still Cairo audio. Still going on 9240 1227z recheck, on youloop due to tsrms in the area now. 1235z "Cuba Campesina" musical program w/ punto guajiro "Mujer Brugal" song, into SPA M guitar ballad after. Audio is full 10 kHz wide on the waterfall. Pulled plug abruptly, unsurprisingly. Then 6000, 9710, and 15140 all gone at 1304z recheck.

11435 kHz, 02-10, 1551 UTC, AM.

HM01 spook, via Bauta. Carrier up 30 sec after RHC 11760 Bauta QRT. 1555z about 20 sec of UNID movie soundtrack, probably from Cubavisión, then immediately cut over to Spanish W voice callup. Not parallel RHC Spanish 15140. Excellent.

11530 kHz, 14-10, 1558 UTC, AM.

HM01 via Bauta. Open carrier at good level; should be on 11435 at this time. Callup began 1606z. Abrupt QSY to sched 11435 at 1609z. Tx previously noted on 11760 around 1530z w/ RHC in Spanish as usual.

15140 kHz, 14-10, 1558 UTC, AM.

Radio Habana Cuba, via Bauta. RHC Spanish at fair level, squealer tx. Quick abrupt QSY to 11760 to replace the "good 25 m tx" that moved for HM01 duty, still squealing there, fair level.

11435 kHz, 15-10, 1550-1651 UTC, AM.

Multiple via Bauta. HM01 freq. QSY of "good 25 m tx" from 11760 with RHC SPA, excellent signal and good audio. Brief tuneup then brought up RHC audio synchro with 15140 Bauta at f/g level with squeal. Technician Pedro Cabrón Ruz must be on his usual fortnightly weekend work shift (he creates wobblers on MW during the week). 1556z brief silence then switched over to Radio Rebelde audio with merengue song synchro with 5025, organ sounder and "emisora de la revolución" ID at 1559z into Spanish M punto song y "Fiesta Campesina" program. Still going with Spanish M song about su bohio at 1633z.

15140 kHz, 15-10, 1555 UTC, AM.

Radio Habana Cuba, via Bauta. RHC Spanish, synchro with 11760 and then 11435, ID over ToH and stayed here today. The squealer tx. F/g at start but signal crashed to poor and fluttery at 1558z. Still there very poor 1620z.

11530 kHz, 15-10, 1651 UTC, AM.

Radio Rebelde, via Bauta. HM01 freq. Brief OC, excellent level, after QSY from 11435, then immediately into more Rebelde relay, good audio, ToH ID into nx program, didn't catch title. Still going 1731z w/ organ cart ID.

11530 kHz, 15-10, 1651-1759 UTC, AM.

Radio Rebelde, via Bauta. HM01 freq. Brief OC, excellent level, after QSY from 11435, then immediately into more Rebelde relay, good audio, ToH ID into nx program, didn't catch title. Still going 1731z w/ organ cart ID. Still synchro with 5025 Bauta. Abrupt QSY.

11635 kHz, 15-10, 1759-1903 UTC, AM.

Radio Rebelde, via Bauta. HM01 freq. Brief OC for tuneup, then back into Rebelde relay with salsa, excellent signal, good audio. Off abruptly after a 2 sec burst of La Bayamesa.

11635 kHz, 15-10, 2059 UTC, AM.

Multiple via Bauta. HM01 freq. Back up for 21 Z spook broadcast, but still Radio Rebelde. Excellent. Still synchro audio with 5025 Bauta. 2100z usual Rebelde 9 note sounder, noticias. Recheck 2126z finally running HM01 Spanish W voice headers and files. 2159z quickly cut over to 10715 as sched mid-broadcast.

15140 kHz, 15-10, 2133 UTC, AM.

Radio Habana Cuba, via Bauta. Spanish M commentary, poor and fluttery. The only detectable RHC freq at this time. Usually several

come up at 2100z but not today. OC noted on 9710 at 2225z briefly over CPBS-1 which was probably RHC, didn't return. 9535 not heard recently.

10715 kHz, 15-10, 2159-2307 UTC, AM.

HM01 spook, via Bauta. Usual Spanish W and files, QSY from 11635 mid-transmission, very good, nominal time. Ran past ToH and QRT right at the end of a file xfer.

11760 kHz, 17-10, 1545-2106 UTC, AM.

Radio Habana Cuba, via Bauta. Spanish program on the "good" 25 m tx. Usual stuff over 1600z ToH with no QSY to 11435 HM01 as usually happens. Synchro with f/g 15140 Bauta until that one pulled plug somewhere around 1600z, uncovering possible very poor CPBS there, and leaving 11760 as the only active RHC tx. Some low level crosstalk from Rebelde synchro with 5025. 1707z RHC still going on 11760 good tx, with no sign of HM01 up to that point on any established freq. Still on for RHC FRA at 1801 Z, still no HM01 present, ditto 1850z during HAT program. Ditto 1907z check w/ English Mr. Ed et al. Still there at 2100z with end of Portuguese program into Spanish, with f/g 9710 Bauta synchro joining around 2102, and HM01 missing from sched 16180 and all other known freqs.

11760 kHz, 24-10, 1554 UTC, AM.

HM01 is noted back today 24 OCT for the 1600z broadcast. 11760 RHC Spanish went QRT at 1554z. At 1555z 11435 kHz carrier on/off for tuneup, then 1556z stayed on. 1557z brief relay of RHC Spanish program audio. Voice callup began 1600z. HM01 was a no-show here in NC on 16180 at 2100z and 10715 at 2200z on 24 Oct. Checked a few random kiwi webbrxs, nothing heard. RHC on 11760 had the "squealer" tx on it, which has been used mostly on 15140 lately, 15140 itself was off, and no sign of the "good 25 m tx" shared with HM01.

27-10

RHC was completely absent on 27 October at ~1530 check. At 1620z 15140 kHz Bauta is up with the squealer tx.

P07

- 10396 kHz, 04-10/08-10/11-10/15-10/18-10/22-10/25-10/29-10, 1400 UTC
- 10159 kHz, 04-10/08-10/11-10/15-10/18-10/22-10/25-10/29-10, 1410 UTC
- 9044 kHz, 04-10/08-10/11-10/15-10/18-10/22-10/25-10/29-10, 1420 UTC
- 8154 kHz, 04-10/08-10/11-10/15-10/18-10/22-10/25-10/29-10, 1430 UTC
- 7534 kHz, 04-10/08-10/11-10/15-10/18-10/22-10/25-10/29-10, 1440 UTC
- 6856 kHz, 04-10/08-10/11-10/15-10/18-10/22-10/25-10/29-10, 1450 UTC

Tests / training sessions

Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro)

Note by PY: "These P07 variant transmissions all featured no BPSK bursts between blocks, and no callup, starting straight into an intro Barker sequence using nonstandard tones: 1125Hz/2125Hz tones, except for one cycle which instead used 1250Hz/2000Hz (still non standard) tones. Cycles on October 2nd, 3rd and 4th featured 2-channel OFDM as sometimes seen in tests, while cycles on October 5th used the regular 8-channel OFDM as in the production P07 variant."

A Barker intro sequence is that sequence of speeding up alternating tones that appears at the beginning and every 64 groups in XPA, at the beginning of XPA2, and at the beginning and end of F07 and P07. Presumably for signal synchronization of something like that, because that sequence is specially chosen for low autocorrelation properties: https://en.wikipedia.org/wiki/Barker_code

- 20993 kHz, 02-10, 0600 UTC, 3m07s
- 19591 kHz, 02-10, 0610 UTC, 3m07s
- 18704 kHz, 02-10, 0620 UTC, 3m07s
- ????? kHz, 02-10, 0630 UTC, 3m07s
- 16284 kHz, 02-10, 0640 UTC, 3m07s
- 15807 kHz, 02-10, 0650 UTC, 3m07s

- 20357 kHz, 02-10, 0800 UTC, 3m47s
- 19284 kHz, 02-10, 0810 UTC, 3m47s
- 18214 kHz, 02-10, 0820 UTC, 3m47s
- 17454 kHz, 02-10, 0830 UTC, 3m47s
- 16069 kHz, 02-10, 0840 UTC, 3m47s
- 15824 kHz, 02-10, 0850 UTC, 3m47s

20937 kHz, 02-10, 1200 UTC, 5m25s
20231 kHz, 02-10, 1210 UTC, 5m25s
19266 kHz, 02-10, 1220 UTC, 5m25s
18208 kHz, 02-10, 1230 UTC, 5m25s
17418 kHz, 02-10, 1240 UTC, 5m25s
15876 kHz, 02-10, 1250 UTC, 5m25s

18517 kHz, 02-10, 1400 UTC, 5m35s
18217 kHz, 02-10, 1410 UTC, 5m35s

16343 kHz, 02-10, 1400 UTC, 5m35s
15883 kHz, 02-10, 1410 UTC, 5m35s
14713 kHz, 02-10, 1420 UTC, 5m35s

18232 kHz, 02-10, 1500 UTC, 5m35s
17412 kHz, 02-10, 1510 UTC, 5m35s
15804 kHz, 02-10, 1520 UTC, 5m35s

14618 kHz, 02-10, 1500 UTC, 5m35s
13477 kHz, 02-10, 1510 UTC, 5m35s
12198 kHz, 02-10, 1520 UTC, 5m35s

20892 kHz, 03-10, 0700 UTC, 4m09s
20021 kHz, 03-10, 0710 UTC, 4m09s
18697 kHz, 03-10, 0720 UTC, 4m09s
17422 kHz, 03-10, 0730 UTC, 4m09s
16271 kHz, 03-10, 0740 UTC, 4m09s
15807 kHz, 03-10, 0750 UTC, 4m09s

20734 kHz, 03-10, 0900 UTC, 2m42s
19644 kHz, 03-10, 0910 UTC, 2m42s
18554 kHz, 03-10, 0920 UTC, 2m42s
17464 kHz, 03-10, 0930 UTC, 2m42s
16251 kHz, 03-10, 0940 UTC, 2m42s
15897 kHz, 03-10, 0950 UTC, 2m42s

20461 kHz, 03-10, 1300 UTC, 5m35s
18677 kHz, 03-10, 1310 UTC, 5m35s
17421 kHz, 03-10, 1320 UTC, 5m35s
15921 kHz, 03-10, 1330 UTC, 5m35s
14471 kHz, 03-10, 1340 UTC, 5m35s
13481 kHz, 03-10, 1350 UTC, 5m35s

18232 kHz, 03-10, 1500 UTC, 4m58s
17412 kHz, 03-10, 1510 UTC, 4m58s
15804 kHz, 03-10, 1520 UTC, 4m58s TX failure in the intro

14618 kHz, 03-10, 1500 UTC, 4m58s
13477 kHz, 03-10, 1510 UTC, 4m58s
12198 kHz, 03-10, 1520 UTC, 4m58s

17434 kHz, 03-10, 1600 UTC, 6m12s
14954 kHz, 03-10, 1610 UTC, 6m12s
13553 kHz, 03-10, 1620 UTC, 6m12s

16253 kHz, 03-10, 1600 UTC, 6m12s
14414 kHz, 03-10, 1610 UTC, 6m12s
12194 kHz, 03-10, 1620 UTC, 6m12s

20357 kHz, 04-10, 0800 UTC, 2m18s
19284 kHz, 04-10, 0810 UTC, 2m18s
18214 kHz, 04-10, 0820 UTC, 2m18s
17454 kHz, 04-10, 0830 UTC, 2m18s

16069 kHz, 04-10, 0840 UTC, 2m18s
15824 kHz, 04-10, 0850 UTC, 2m18s

20937 kHz, 04-10, 1200 UTC, 4m09s
20231 kHz, 04-10, 1210 UTC, 4m09s
19266 kHz, 04-10, 1220 UTC, 4m09s
18208 kHz, 04-10, 1230 UTC, 4m09s
17418 kHz, 04-10, 1240 UTC, 4m09s
15876 kHz, 04-10, 1250 UTC, 4m09s

18517 kHz, 04-10, 1400 UTC, 2m06s
18217 kHz, 04-10, 1410 UTC, 2m06s

16343 kHz, 04-10, 1400 UTC, 2m06s
15883 kHz, 04-10, 1410 UTC, 2m06s
14713 kHz, 04-10, 1420 UTC, 2m06s

18232 kHz, 04-10, 1500 UTC, 4m33s
17412 kHz, 04-10, 1510 UTC, 4m33s
15804 kHz, 04-10, 1520 UTC, 4m33s

14618 kHz, 04-10, 1500 UTC, 4m33s
13477 kHz, 04-10, 1510 UTC, 4m33s
12198 kHz, 04-10, 1520 UTC, 4m33s

20892 kHz, 05-10, 0700 UTC, 39s
20021 kHz, 05-10, 0710 UTC, 39s
18697 kHz, 05-10, 0720 UTC, 39s
17422 kHz, 05-10, 0730 UTC, 39s
16271 kHz, 05-10, 0740 UTC, 39s
15807 kHz, 05-10, 0750 UTC, 39s

20461 kHz, 05-10, 1300 UTC, 1m16s
18677 kHz, 05-10, 1310 UTC, 1m16s
17421 kHz, 05-10, 1320 UTC, 1m16s
15921 kHz, 05-10, 1330 UTC, 1m16s
14471 kHz, 05-10, 1340 UTC, 1m16s
13481 kHz, 05-10, 1340 UTC, 1m16s

18232 kHz, 05-10, 1500 UTC, 1m04s
17412 kHz, 05-10, 1510 UTC, 1m04s
15804 kHz, 05-10, 1520 UTC, 1m04s

14618 kHz, 05-10, 1500 UTC, 1m04s
13477 kHz, 05-10, 1510 UTC, 1m04s
12198 kHz, 05-10, 1520 UTC, 1m04s

XPA1

14564/13564/11464 kHz, 04-10, 1210/1230/1250 UTC

554 554 554 000
09674 00001 00000 36270

14564/13564/11464 kHz, 06-10, 1210/1230/1250 UTC

554 554 554 000
01419 00001 00000 37652

14564/13564/11464 kHz, 11-10/13-10/18-10/20-10, 1210/1230/1250 UTC

554 554 554 1 554 554 554 1 554 554 554 1
05347 00095 79196 79510 49172 80209 68000 86907 10603 32234
87870 36456 39453 79911 94249 40974 15834 36685 85768 95241
02244 90876 74114 47392 26607 12043 82245 29839 19572 92706

62407 98266 82768 56697 04708 82336 67510 27925 87305 32585
83773 28640 29262 66147 17322 07910 56601 87956 75925 58385
71625 58260 14648 64674 82818 15042 34482 25206 07733 88550
86793 11991 55986 97997 64841 90313 13521 61640 47494 83427
75866 17084 31152 67558 38679 56318 70493 96988 97636 79601
72076 77942 91988 68710 22260 99367 22551 73557 56960 07215
67000 92900 50845 97403 90682 24900 64483 20007

14564/13564/11464 kHz, 25-10/27-10, 1210/1230/1250 UTC

554 554 554 1 554 554 554 1 554 554 554 1
06605 00056 84096 41058 75079 04428 85636 54381 03328 01684
90561 38836 13776 55369 71189 71697 75482 56395 76714 12875
35181 54859 48168 17105 09653 93543 88485 89498 17219 92029
61573 59534 93611 02321 23386 36156 96037 80590 46066 73278
17139 61070 92395 20995 44004 78113 01430 30795 85913 10664
30982 96931 01216 77579 84751 53184 14925 64148 54736

XPA2

15958/17458/18758 kHz, 0800/0820/0840 UTC

15958/17458/18758 kHz, 01-10, 0800/0820/0840 UTC

00539 00095 66946 07642 13208 89668 77021 29550 60599 15399
36386 75039 08302 86282 27031 50880 00870 08000 88823 38650
99476 98382 24878 08873 72880 83787 70675 88614 75853 08838
50087 07735 77213 42009 08317 03262 96534 91374 67208 27288
50326 38300 57038 63808 82202 78770 47037 83096 47745 52567
46943 85308 26008 56373 07663 38728 00777 47647 45308 83583
27680 84555 13003 40568 37880 68624 52003 63409 05508 86357
78485 37667 23832 28385 30138 53500 58993 77009 86930 33480
40385 27066 65517 87634 80675 75720 44870 17615 67508 99007
08355 78754 82505 70043 42018 41861 66392 40352

15958/17458/18758 kHz, 06-10, 0800/0820/0840 UTC

06130 00001 00000 22261

15958/17458/18758 kHz, 08-10, 0800/0820/0840 UTC

03959 00001 00000 42260

15958/17458/18758 kHz, 13-10/15-10, 0800/0820/0840 UTC

00677 00138 78876 58016 30018 07766 33520 75524 48271 36743
82877 02841 60485 83737 66568 36768 51893 80044 60900 63918
26319 26693 96786 21743 35298 86446 53174 49353 51876 29582
94923 93265 25225 90548 01266 67524 86486 48302 90856 48860
63827 17900 35320 92794 53223 39778 05561 59379 10972 78621
34177 81493 19418 01097 97450 36127 95643 40692 05717 80901
74856 05136 31223 72491 94541 16028 59404 75973 93289 09562
41466 27368 37541 63885 32196 43404 37897 08606 65639 51276
42301 70252 63213 71629 11910 88199 33745 50771 55609 02983
67118 15503 87997 67032 59668 33827 19171 94311 93629 73683
75813 68937 60096 17750 03740 56363 52893 82476 55546 57079
53896 16170 74112 19436 73052 09989 34829 61296 84410 52553
05650 93781 43451 11959 23927 01398 59416 68012 22041 50137
39321 94247 18092 87217 74233 50891 72357 04354 22095 34182
33361

15958/17458/18758 kHz, 20-10/22-10, 0800/0820/0840 UTC

08137 00109 20453 79389 76657 34533 19422 23296 41811 86859
12945 51092 05632 08796 45146 04299 22691 32327 70113 78378
42203 91014 90200 73572 66295 17956 66261 79535 76218 51038
07689 20980 56516 55196 85629 88819 16919 38479 12987 07712
62910 56524 66694 18885 23407 53081 81601 63573 83372 85024

69853 22669 31816 11231 39784 39891 74710 64299 73290 44066
51738 73463 86282 23089 54559 76187 98364 66422 10953 95819
63680 10101 68295 32836 89879 13793 82163 64688 67877 80454
86335 72469 45675 57288 22477 85229 24691 04252 35223 49487
61801 48725 49246 98064 69597 55423 62595 17198 40539 60466
27796 47244 63277 42415 63971 99989 23691 74855 66879 53749
06660 12466

15958/17458/18758 kHz, 27-10, 0800/0820/0840 UTC

08664 00001 00000 36266

15958/17458/18758 kHz, 29-10, 0800/0820/0840 UTC

07069 00001 00000 35665

14469/16169/17469 kHz, 1200/1220/1240 UTC

14469/16169/17469 kHz, 01-10, 1200/1220/1240 UTC

00541 00089 05529 28081 98863 11879 40069 38175 23554 89815
75381 69810 07662 55483 06477 10208 00107 97365 20271 20938
01535 63215 35237 36613 21046 59626 09707 91237 66225 43576
37268 31108 35537 13281 63256 20595 30342 96088 26832 04311
65688 81678 12926 27354 74262 60919 19731 50942 68509 41161
92543 16257 75574 36388 15746 16080 79103 16435 15853 82638
11117 09393 15485 15489 48274 51139 65203 66533 72236 48256
23459 41440 55298 21527 23886 78279 45999 80666 71387 81175
88445 08731 89175 07459 59833 21689 25987 78252 82331 14885
27250 54261

14469/16169/17469 kHz, 03-10, 1200/1220/1240 UTC

05045 00001 00000 33661

14469/16169/17469 kHz, 08-10, 1200/1220/1240 UTC

01169 00001 00000 36257

14469/16169/17469 kHz, 10-10, 1200/1220/1240 UTC

06101 00073 34922 24450 51335 85475 61939 25436 42347 48167
90843 35560 60196 35582 42303 10897 27991 91574 86282 87804
25371 77345 84034 77304 14833 98010 57136 03937 77326 67489
27179 04367 09156 64653 92241 60268 47340 76682 27599 88751
87630 82222 32519 85537 65223 70106 49458 72596 66391 02835
55738 78129 84259 98575 69765 21056 12619 98324 95580 57133
29302 23452 81942 92103 55421 93426 23486 15375 12847 79279
21829 38009 61741 99577 20141 35201

14469/16169/17469 kHz, 17-10, 1200/1220/1240 UTC

08467 00001 00000 36666

14469/16169/17469 kHz, 22-10, 1200/1220/1240 UTC

04457 00001 00000 36661

14469/16169/17469 kHz, 24-10/29-10, 1200/1220/1240 UTC

00658 00059 01237 97301 03052 05151 59351 30515 20829 41525
73473 57924 76216 73864 44064 09348 56948 90968 72468 27047
75131 60504 19028 64227 02389 52357 48530 99577 39497 25016
38071 77452 54501 26031 47285 14006 56469 88673 83812 84087
86330 39682 56373 47507 89300 70594 36455 63172 98153 80954
61712 20220 20651 60905 68746 59815 14117 24090 60547 09838
12223 36475

14469/16169/17469 kHz, 31-10, 1200/1220/1240 UTC

04161 00001 00000 32262

13372/14672/15872 kHz, 0700/0720/0740 UTC

13372/14672/15872 kHz, 02-10, 0700/0720/0740 UTC

03750 00001 00000 34660

13372/14672/15872 kHz, 04-10, 0700/0720/0740 UTC

01836 00001 00000 40254

13372/14672/15872 kHz, 09-10/11-10/16-10/18-10, 0700/0720/0740 UTC

00916 00100 94062 37268 89076 23585 55673 45770 16529 75333
93293 90183 80818 25013 03707 13189 93662 02957 68402 59863
81113 26009 83415 93734 48090 68200 97514 02316 24698 11596
12573 43959 69534 34773 11924 13887 73346 69686 26687 01159
70435 02094 85903 49906 51990 32937 50485 54790 43538 06864
07161 10758 13358 85369 67801 47477 83272 11212 83934 72774
85303 12308 13473 38418 95533 59554 60915 55389 34257 53569
33515 16723 12744 95746 69297 37037 31300 25141 62338 88715
33980 01213 96235 46733 85888 32101 94853 42088 92512 30250
29681 65299 06059 35630 34872 16702 34326 97749 01579 53217
10867 52160 07501

13372/14672/15872 kHz, 23-10, 0700/0720/0740 UTC

07275 00001 00000 34666

13372/14672/15872 kHz, 25-10, 0700/0720/0740 UTC

07909 00001 00000 42257

13372/14672/15872 kHz, 30-10, 0700/0720/0740 UTC

05892 00100 06985 71443 12702 99194 02356 12542 43106 60500
12764 51561 94994 08081 62478 88070 47897 94009 79037 23029
46091 68505 18700 66739 24315 74749 74115 05330 86481 21309
67057 53967 81351 53730 03296 38368 61004 01223 85975 78982
19400 11708 30709 99894 40953 79099 93235 12864 83439 60456
73902 57626 67706 18916 23994 94036 31107 71513 49692 72160
92411 64157 12655 92501 24004 73629 90383 15804 66915 89790
36756 64871 75615 37133 35489 68336 55645 31172 77531 78423
66805 27580 75038 65201 01550 96408 76568 63792 27494 27429
73264 88976 72881 76982 78561 32968 72380 77255 60359 40425
06342 46288 76172

17471/16149/14406 kHz, 0910/0930/0950 UTC

17471/16149/14406 kHz, 02-10, 0910/0930/0950 UTC

08394 00001 00000 34671

17471/16149/14406 kHz, 04-10, 0910/0930/0950 UTC

09476 00001 00000 36270

17471/16149/14406 kHz, 09-10/11-10/16-10/18-10, 0910/0930/0950 UTC

00128 00189 01159 57754 41313 71763 24909 56060 74461 67669
91350 29543 61687 68498 30489 93383 07080 22822 04077 59774
83392 25048 88918 98988 84134 73429 89280 61834 93359 51723
69147 43585 09131 55044 18994 63529 48106 28700 89998 41894
24337 13453 42911 73310 90390 78053 26701 69320 03550 43817
50399 08085 63332 69811 38281 60975 46550 59418 81869 44394
03405 56766 02946 34028 94783 95175 73372 99843 54051 57259
70175 65071 46384 17230 91157 01854 34999 53249 87061 41876
87286 02590 49479 28041 74855 98727 51978 64274 69350 18896
77389 49286 53069 89575 76989 17713 81444 71032 57597 97101
54246 10035 62704 15750 61049 93316 38648 69408 54895 82606
82922 57680 83367 56135 51054 23348 96903 46515 19977 75722
76826 88848 00628 20855 55411 99723 55361 86660 26543 00891
67735 03961 28087 35773 58243 07714 92932 60729 58164 20357

18010 37593 02439 79427 50235 30800 29062 36597 48695 13973
22759 28224 63047 83635 14541 24467 44384 52649 93003 45110
21347 14299 68711 20509 68401 47511 27401 00678 62357 39233
09449 08393 61748 69406 73713 92661 04213 54069 22535 13088
18383 58194 20287 56030 97724 58795 94546 26182 18553 95652
79104 21476

17471/16149/14406 kHz, 23-10/25-10, 0910/0930/0950 UTC

00389 00122 47188 46174 75399 51014 28156 48490 25842 19585
97312 43228 95113 10395 48329 60086 94827 20070 08399 65409
59004 20086 54407 88818 64286 35417 92662 19276 06893 13499
11789 25373 40561 42195 02224 12015 84692 93874 54816 61485
42412 82227 50110 11598 30540 26946 27637 90004 62985 94568
63756 32965 19107 20665 68997 87754 95809 92693 22880 82243
81293 59212 69579 60999 88078 40121 08288 07521 37590 54646
29287 29711 01335 41096 59860 96846 65089 78300 43809 93973
24947 00085 05956 74963 92447 23568 46856 71476 17749 08152
63823 50383 35995 22567 40381 01731 51489 37487 93720 86417
25769 55898 47919 39304 09742 81026 58055 23292 15547 57302
95803 20392 98887 64590 65819 18392 03210 31781 02233 12139
04108 15350 89371 07301 03260

17471/16149/14406 kHz, 30-10, 0910/0930/0950 UTC

03745 00001 00000 37257

13906/12106/10906 kHz, 1500/1520/1540 UTC

13906/12106/10906 kHz, 02-10, 1500/1520/1540 UTC

08782 00001 00000 35670

13906/12106/10906 kHz, 07-10, 1500/1520/1540 UTC

09367 00001 00000 36267

13906/12106/10906 kHz, 09-10/14-10, 1500/1520/1540 UTC

06949 00267 66055 47306 66492 20076 28540 09717 80486 33675
01487 75630 76402 84005 22273 94452 80599 20544 45062 07502
56646 27869 25845 77630 21973 18235 00763 96294 91072 50500
78214 46293 07071 54784 22428 32310 27839 06309 47285 67525
89659 09994 50834 80794 34254 71994 51269 45624 83309 84072
19026 07475 79552 96293 18390 32612 98306 68519 76235 68089
30844 96375 76958 21655 50033 76720 00776 95530 01095 35598
87172 07147 80652 85532 81369 38268 96615 24844 99218 32158
21804 23834 42628 86195 52235 22972 54537 38819 93627 05077
93230 16470 37880 74116 69523 42532 18814 61442 75519 27253
45692 70928 94794 38871 42078 15044 97826 27607 40328 31697
10643 49058 28604 61098 64080 10818 76858 33310 06516 83984
96691 47127 25038 34976 03916 41271 32450 15153 54723 75990
40186 33186 44155 59560 84415 38694 37709 39723 08153 72001
69527 82635 78694 44394 58757 44090 84614 99187 33921 06558
45114 65403 53655 27383 53194 26771 49532 47911 94854 56820
18572 81960 38639 69730 60374 98202 21263 93170 09148 86348
95101 40288 20982 89826 32952 34433 25188 37393 06255 39287
27209 41142 37566 31319 08526 52474 99774 49809 16631 02744
78141 50620 29268 99384 82051 99577 44343 53286 66621 46920
21176 18139 05048 13294 60010 85129 95726 62757 29867 83570
33531 20041 93759 10794 07721 83663 63951 01854 88304 75968
41172 87273 36976 00348 10228 31148 51920 75913 24631 27573
13901 07716 65683 83890 24120 10904 89057 23072 98303 87033
55638 49170 66152 84139 50062 81625 53451 14484 74752 76564
17164 51120 03962 92318 76853 40206 44360 52799 44652 65504
62682 07474 65774 85958 00918 37767 54160 89867 97765 07441

13906/12106/10906 kHz, 16-10, 1500/1520/1540 UTC

08466 00001 00000 36266

13906/12106/10906 kHz, 21-10, 1500/1520/1540 UTC

01462 00001 00000 33257

13906/12106/10906 kHz, 23-10/28-10, 1500/1520/1540 UTC

00669 00212 75795 22620 88567 67087 46151 18057 32290 62874
13406 93786 97785 80012 23345 35512 48665 83334 42802 46119
16177 86370 62585 30187 98593 34898 74399 74713 54736 11114
22933 06256 90020 17805 00685 32077 51276 98402 04228 37010
50871 49316 65805 01629 10606 01294 95602 36182 83268 07889
72468 49345 19417 71845 32821 09395 20294 11163 53458 82165
46240 62017 70653 15177 79374 84198 29260 27272 68070 07139
31716 12078 44783 88009 07553 80802 75145 88199 19882 54975
53639 32066 95170 00760 39382 02533 49664 59784 94407 52766
93146 21248 39306 18168 05395 74260 14190 05698 51543 81110
04505 85625 67364 84951 62657 69362 08936 22771 20317 26518
24838 07633 71163 77955 31719 08732 20206 50295 04764 29544
76213 33610 24190 26514 11056 27273 51278 71389 66200 39443
10960 96217 87331 24357 68151 54004 64649 89163 66612 64870
67489 50788 30870 53771 92623 35388 62331 94916 78805 94568
97794 41417 33318 33391 39467 29668 07184 10037 51281 30924
59185 87966 42860 65647 60834 16794 32639 36074 99315 67912
85881 79042 43135 15296 55307 37478 34059 78496 44908 05978
72817 10345 18118 79506 60910 22968 53997 26642 16068 12451
63134 05324 89662 01118 73316 68698 16254 39589 84483 20989
89313 62235 95174 05372 41351 01636 28558 55699 28941 00265
07024 58460 32615 09604 26707

13906/12106/10906 kHz, 30-10, 1500/1520/1540 UTC

06648 00001 00000 40262

10238/11138/12138 kHz, 0500/0520/0540 UTC

10238/11138/12138 kHz, 03-10/05-10, 0500/0520/0540 UTC

06699 00079 32762 79611 48408 22198 27833 05782 67488 71356
36204 16325 02101 15316 54089 59937 05223 66889 08760 14884
24695 35867 87449 37752 05345 97177 10943 79932 83924 47036
27439 07821 49392 14159 84526 28679 01660 43841 22820 60686
97692 40263 05564 70373 88853 56067 79100 20319 41076 82230
08524 22567 77457 22736 10695 07246 03866 22053 86562 05097
95232 32161 65733 61115 43016 75013 92107 87611 48657 39447
92444 08572 47985 34200 62676 23360 56920 92565 45396 11099
29190 32165

10238/11138/12138 kHz, 10-10, 0500/0520/0540 UTC

05265 00001 00000 34663

10238/11138/12138 kHz, 12-10, 0500/0520/0540 UTC

05822 00001 00000 36257

10238/11138/12138 kHz, 17-10/19-10, 0500/0520/0540 UTC

00497 00071 21631 30494 13376 00909 15825 96561 75573 38405
25066 30371 50859 31162 71830 55036 16175 89709 55952 22791
12599 34826 27996 33025 18377 15029 54735 11900 43532 27200
43931 99171 31312 80144 27577 56390 64903 06694 11705 89609
32828 95277 95922 08146 40337 43800 58725 23230 13215 14606
39901 48830 17648 03545 26629 78742 46106 63250 83255 84634
43896 77075 49151 40990 97462 39132 41209 20180 40302 18474
59172 78815 05542 13422

10238/11138/12138 kHz, 24-10, 0500/0520/0540 UTC

01966 00001 00000 40657

10238/11138/12138 kHz, 26-10, 0500/0520/0540 UTC

06525 00001 00000 36260

10238/11138/12138 kHz, 31-10, 0500/0520/0540 UTC

00670 00094 28915 83343 78571 88437 16663 39542 20040 88076
90502 51657 25299 24360 77724 29109 39918 59734 20654 68400
50095 26947 71829 27795 46792 47638 63518 70968 36264 98515
13080 19743 33786 08399 44687 19373 40008 83644 66610 12815
26180 28997 48503 51274 50487 59918 61224 09887 49336 62683
00086 48799 11760 17150 30669 54802 62017 46387 54203 27342
21630 71108 92894 42402 52378 66380 00401 62047 66034 78121
97110 48786 89046 21829 98329 53359 07304 25677 85593 83064
23220 24112 10874 30961 20450 39678 33086 16332 98515 93769
41002 71950 55392 76245 20495 79742 51522

14537/13437/10737 kHz, 1100/1120/1140 UTC

14537/13437/10737 kHz, 03-10/06-10, 1100/1120/1140 UTC

02546 00061 26916 26143 74360 82491 38487 64273 65036 89139
91798 70512 65533 60144 48258 80973 64802 07448 23688 66468
13783 35512 36367 22741 12087 23509 06658 05771 68967 78268
66653 10888 08205 80176 42695 68757 65761 30769 03945 32852
52625 74695 16231 96986 61673 64851 72887 67159 94935 96497
78690 72079 32685 41038 09130 31435 51920 79389 46794 66281
59053 87718 01254 06227

14537/13437/10737 kHz, 10-10/13-10/17-10/20-10, 1100/1120/1140 UTC

00590 00118 29228 46254 00364 27423 33910 24535 66164 89718
90025 39947 94507 22527 90190 06275 57827 91970 72679 42433
00536 07005 58387 29334 50795 33770 08033 59480 40287 51424
67676 63965 03773 08887 00587 00006 73208 00005 55882 38878
08050 88366 19324 81664 00059 11786 21984 77869 33220 66827
12075 81869 37767 82564 82585 00303 50587 06863 57320 88026
72802 25228 82099 78037 66284 85777 02578 08540 87004 66653
65358 32472 61302 99475 68250 64452 61406 02047 07492 00709
77637 16143 29455 25571 88345 53616 76668 02245 66190 70338
81306 04458 05633 43650 83763 55287 62665 57653 74670 00008
70687 61458 30038 53206 86800 03683 27803 16167 83403 50605
68276 79020 28756 35075 87668 38154 32133 27783 81080 47691
45647

14537/13437/10737 kHz, 24-10, 1100/1120/1140 UTC

04415 00001 00000 35655

14537/13437/10737 kHz, 27-10, 1100/1120/1140 UTC

02465 00001 00000 35660

14537/13437/10737 kHz, 31-10, 1100/1120/1140 UTC

00508 00098 83090 99218 30049 42444 21430 93226 54051 72551
53202 45331 02662 38117 74130 44604 58680 01320 62431 73504
96573 89441 73281 74249 15426 39162 84208 63576 90987 14125
08506 58699 71104 80318 10778 91914 43942 76636 15076 56213
18932 72511 08709 55971 43925 26654 49110 20289 19681 97125
85109 67615 67148 93767 07054 31606 40203 73105 49603 74696
73886 91695 03074 37940 48316 38916 60153 73337 91479 78350
89590 31793 47271 56138 71219 20811 96265 50376 75014 79471
37164 81399 13057 08377 50617 76689 94137 99176 62175 25251
93874 92928 00664 22078 23945 46464 18158 39375 87974 63833
30610

13542/12142/11442 kHz, 03-10, 1600/1620/1640 UTC

07179 00001 00000 36266

13542/12142/11442 kHz, 05-10, 1600/1620/1640 UTC

01109 00001 00000 36251

13542/12142/11442 kHz, 10-10/12-10, 1600/1620/1640 UTC

02472 00177 71854 96469 27853 37373 79308 08687 37070 41749
60447 04584 47235 19712 92075 41494 48502 04506 73947 64185
21594 81567 09595 43407 89308 88208 36804 24923 28796 21438
63863 57576 76085 62930 04600 54522 59779 98006 40903 63232
69484 14020 16788 49944 01700 75506 07032 54819 42801 57671
98985 50394 08008 78357 79833 52764 96237 26566 90547 76590
69696 30272 76083 60995 57797 94136 19529 49826 71117 66600
16511 72892 32524 44231 35345 49551 98391 50589 17704 29139
90253 06590 66941 22694 22705 92236 40108 65664 87080 04650
96110 44114 13199 55661 02024 95653 50309 05668 74313 99980
04605 02774 71554 73974 16911 47602 44317 09021 26246 06596
49982 23347 29518 48378 03925 70062 27160 18892 83304 27602
80767 63428 38078 60670 05515 71968 17325 20907 64390 80324
76760 16094 57300 64873 94424 20921 39551 73891 52422 73380
55510 16022 64074 24515 85616 21034 72780 26437 78119 84612
50164 90750 09574 33258 15227 34352 40357 30690 28713 27569
23991 32481 20025 26853 61474 08916 40585 16493 14397 59117
92125 62949 26133 23388 52280 45357 76184 69161 77317 06724

13542/12142/11442 kHz, 17-10, 1600/1620/1640 UTC

01960 00001 00000 35657

13542/12142/11442 kHz, 19-10, 1600/1620/1640 UTC

02660 00001 00000 34260

13542/12142/11442 kHz, 24-10/26-10, 1600/1620/1640 UTC

05499 00252 60866 74485 46893 05128 24126 93267 67654 54573
46244 08896 26441 05678 17692 67328 78164 56198 36442 26950
75509 76470 16235 27293 59037 58083 57815 37366 76985 75719
94567 67667 63054 87992 36696 98863 23088 81373 40690 22909
30850 91712 89585 75834 78344 58882 05920 49104 55182 14285
92610 26694 54952 46288 33803 61050 76284 91068 82490 34918
54057 97858 21597 82480 16494 68342 02444 05721 57531 60325
93150 34268 09593 98729 87468 54462 96272 08914 81059 30613
85599 24924 81443 52016 32263 69585 19601 26645 49817 38639
67086 62650 32613 52535 46043 14911 32432 68092 86585 58636
65483 88402 52692 34017 84321 41226 27141 15342 33749 95316
85794 77345 97648 91183 43076 85650 42493 04650 48594 66116
20903 25852 92922 07357 27882 62024 00439 51353 47730 31912
48325 64657 88895 82804 45801 29230 06207 30537 64065 39280
82912 74014 93817 14839 25825 90810 07222 47488 68952 56651
59382 96938 99485 09979 01984 74876 28736 72436 46408 19725
77161 21023 39928 08696 83869 26475 86711 34068 10147 24590
03745 34697 00509 40254 91942 55892 71896 40981 44393 55292
07700 89458 29450 51200 25814 39993 67172 86290 34355 30641
98736 95111 48131 35029 10323 34243 22347 88816 52916 30151
40272 91909 19660 97380 75809 01624 24728 28639 58292 32277
51794 12291 84918 78359 59410 28373 70658 14056 91642 48243
78725 52986 42686 45436 16525 11071 90770 20951 00409 14810
39267 52530 80054 61293 70054 11231 76554 23532 27253 93353
81735 07918 14079 36864 26292 89551 47155 97593 04030 78569
30186 56168 40852 58508 53714

13542/12142/11442 kHz, 31-10, 1600/1620/1640 UTC
07852 00001 00000 36264

14672/13472/12172 kHz, 1100/1120/1140 UTC

14672/13472/12172 kHz, 04-10, 1100/1120/1140 UTC
02851 00001 00000 35657

14672/13472/12172 kHz, 05-10, 1100/1120/1140 UTC
09587 00001 00000 37271

14672/13472/12172 kHz, 11-10/12-10/18-10/19-10, 1100/1120/1140 UTC

01229 00113 66537 20747 02583 79675 31688 14477 04567 89219
14921 72319 61375 71204 92329 29239 12469 41829 83548 41796
94771 22461 16706 42127 23837 28065 36130 07453 39209 26248
92657 39331 21729 31466 09801 89604 93723 82868 14135 39042
35467 43823 70016 87665 84792 91557 97801 29651 40841 65608
83951 66240 28425 87061 90440 07161 06238 42380 98646 17761
80841 63548 53168 52716 66734 36184 23245 08811 73256 92504
72940 26819 33647 47454 74869 47663 79418 78160 53820 29867
10780 40731 32230 34482 67153 53089 47406 37471 12767 06722
74176 89836 33723 82954 64314 04034 96355 90813 55281 03455
57499 33666 82554 14393 72056 10548 20684 29105 43891 83451
21612 24373 20357 72947 90832 73265

14672/13472/12172 kHz, 25-10, 1100/1120/1140 UTC
002793 00001 00000 36263

14672/13472/12172 kHz, 26-10, 1100/1120/1140 UTC
07088 00001 00000 35267

14518/13418/12218 kHz, 1800/1820/1840 UTC

14518/13418/12218 kHz, 04-10/06-10, 1800/1820/1840 UTC

07664 00123 57546 25452 55381 32048 90612 56802 75262 34503
84829 47870 48446 72753 75496 23111 48757 06117 78886 88896
54700 88557 63275 92070 79455 81071 66170 89038 26863 44056
65114 22398 11159 50016 53887 28334 08586 20557 90585 56353
94772 65033 70952 14305 43695 63987 54825 82767 76100 92371
30255 89216 50720 05780 07293 48230 86249 63426 04608 69487
75080 72846 10211 85208 58558 76165 04059 81258 15288 86279
04609 81995 25314 68662 63124 05385 76758 06287 46582 46549
76221 22351 35552 52011 42505 36386 58366 45683 31846 14021
54178 86635 92458 71907 66481 91994 31810 25496 01086 04854
67214 04192 40527 40248 23337 74564 31900 27647 31722 89141
02249 86063 09585 96456 63857 66750 11832 25526 84905 76921
43145 61524 06625 34813 50292 02035

14518/13418/12218 kHz, 11-10, 1800/1820/1840 UTC
05718 00001 00000 40656

14518/13418/12218 kHz, 13-10, 1800/1820/1840 UTC
06584 00001 00000 35666

14518/13418/12218 kHz, 18-10/20-10, 1800/1820/1840 UTC

09521 00131 72070 39112 31336 54323 90940 71457 99742 77281
22180 94271 15992 41105 58038 08920 45626 36310 77570 88212
25291 95206 59288 87518 73193 30125 20510 56834 35466 46521
05473 74392 02594 08526 54249 51534 70691 72480 96755 51472
27507 12586 57668 53469 90939 84885 22842 06881 48289 86328
83988 75479 15300 76497 72556 72399 81926 67780 78441 63075
02558 47108 50373 95636 74682 83228 71071 00069 18239 77878
66712 54864 22489 03640 25109 37650 35737 66837 37273 60314

47168 72813 44862 17088 00027 69025 04715 72654 52346 24842
59082 94855 71724 50878 22617 06294 15343 92109 04312 90564
87690 56185 52409 69525 96138 47202 93397 55915 33624 87491
36860 95858 56801 22733 94030 52602 81649 53272 55290 02790
99608 17320 24498 16995 31233 00171 97257 39940 67400 57121
16168 47326 00735 74110

14518/13418/12218 kHz, 25-10/27-10, 1800/1820/1840 UTC

01418 00153 76363 13812 59539 02501 86944 47570 04519 96813
09907 07331 50199 08189 13310 29353 57446 81374 97439 57286
54252 82518 68754 57627 66918 93843 59924 39139 07615 10365
87146 51290 62896 76999 51742 59048 40672 70685 07779 22648
76166 63983 12178 43767 15101 55791 13667 73863 79938 00383
47468 56583 09501 86479 71473 12938 80257 90565 06707 12684
78183 20904 58150 68899 21489 60666 82937 75943 64558 22474
87940 28277 20824 78415 35653 66991 41209 41413 88842 84113
34061 63445 99703 99892 27054 75447 66358 86600 35082 12427
32522 57757 10454 42347 80769 75550 27335 00296 29351 67622
89298 57821 06384 59644 91993 96545 37748 79038 24776 58662
18345 99047 44222 06541 68309 14226 21981 15098 56510 72629
44506 26014 74203 30368 96772 95146 45546 41920 94766 14900
29611 87622 47114 91876 09969 36671 82677 41212 96085 26426
45360 79808 64664 63736 57808 33918 66873 79950 15304 10159
62850 00849 51097 05353 33195 00001

17438/16338/15938 kHz, 0910/0930/0950 UTC

17438/16338/15938 kHz, 05-10, 0910/0930/0950 UTC

03129 00001 00000 36255

17438/16338/15938 kHz, 07-10, 0910/0930/0950 UTC

05910 00001 00000 35656

17438/16338/15938 kHz, 12-10/14-10/19-10/21-10, 0910/0930/0950 UTC

00446 00194 86638 80394 91231 19738 57823 54599 12516 32609
28091 30742 39156 59392 58905 52086 08475 82808 00941 45499
82669 40890 17712 35731 49392 71559 39097 66495 15147 16479
17095 38451 35573 80859 25215 31208 85567 48253 30781 02994
26831 47964 70556 64726 02561 05941 83257 18318 44866 67036
42454 20275 96941 18180 21651 67033 44537 11621 71688 46949
32266 65753 84666 45359 78344 62760 43387 40418 87519 35933
97219 00073 68128 22230 64882 01299 38863 35755 81716 19589
80013 45835 18821 58050 48774 26920 31913 04089 32104 34976
63682 27686 02782 54863 57407 87376 10970 98698 16862 44329
41355 66948 75103 53216 01730 08518 86508 67665 58697 70139
69770 20346 27362 01379 55721 81796 70291 70552 19188 18605
03447 10506 37748 07230 38921 64189 57005 03601 05979 40383
07268 53161 91229 81885 19612 33969 18504 43381 60946 23996
17647 96932 16051 14062 44829 78149 53656 50862 37629 18727
86104 00040 88884 64384 40367 43442 67284 92217 99444 22313
30088 89892 56253 66963 67293 59460 34328 78486 92499 48417
83873 31023 87273 99507 92893 59394 09442 37792 43129 43613
19307 19070 15218 75573 33212 21187 03090 07988 85650 03798
48953 95151 82811 02841 32962 50365 74755

17438/16338/15938 kHz, 26-10/28-10, 0910/0930/0950 UTC

00671 00120 59998 53607 47095 58398 43462 62714 88883 10438
92440 93900 60097 14179 69892 86446 45517 72645 65030 05915
64983 61122 11320 37325 61335 20985 97323 39326 08631 30424
77063 18870 69857 68793 98062 83832 52050 31596 56092 19507
88730 20531 33826 52376 19349 36847 17341 23929 91671 26427
89159 98485 46741 53782 53397 31656 65255 81722 54553 94644
17332 61945 12064 86220 87812 97460 95271 63691 00731 82967

85154 76051 35291 76077 57036 89837 11380 59134 04012 40506
78808 39814 82876 12457 02164 44478 75347 25112 39187 86419
52775 82838 46294 96676 39845 17101 95171 82205 24572 57871
30155 52045 09257 67563 38852 91690 44168 90381 78851 84123
99376 05453 94432 35046 52149 75469 73002 44942 16865 75566
85288 22203 57517

XPB1

13471 kHz, 02-10/03-10/09-10/10-10/16-10/17-10/23-10/24-10/30-10/31-10, 0500 UTC
14771 kHz, 02-10/03-10/09-10/10-10/16-10/17-10/23-10/24-10/30-10/31-10, 0510 UTC
15871 kHz, 02-10/03-10/09-10/10-10/16-10/17-10/23-10/24-10/30-10/31-10, 0520 UTC
16271 kHz, 02-10/03-10/09-10/10-10/16-10/17-10/23-10/24-10/30-10/31-10, 0530 UTC
17471 kHz, 02-10/03-10/09-10/10-10/16-10/17-10/23-10/24-10/30-10/31-10, 0540 UTC
18271 kHz, 02-10/03-10/09-10/10-10/16-10/17-10/23-10/24-10/30-10/31-10, 0550 UTC

14462 kHz, 02-10/07-10/09-10/14-10/16-10/21-10/23-10/28-10/30-10, 1200 UTC
13962 kHz, 02-10/07-10/09-10/14-10/16-10/21-10/23-10/28-10/30-10, 1210 UTC
13462 kHz, 02-10/07-10/09-10/14-10/16-10/21-10/23-10/28-10/30-10, 1220 UTC
12162 kHz, 02-10/07-10/09-10/14-10/16-10/21-10/23-10/28-10/30-10, 1230 UTC
11562 kHz, 02-10/07-10/09-10/14-10/16-10/21-10/23-10/28-10/30-10, 1240 UTC
10962 kHz, 02-10/07-10/09-10/14-10/16-10/21-10/23-10/28-10/30-10, 1250 UTC

20075 kHz, 03-10/06-10/10-10/13-10/17-10/20-10/14-10/27-10/31-10, 1300 UTC
19575 kHz, 03-10/06-10/10-10/13-10/17-10/20-10/14-10/27-10/31-10, 1310 UTC
18175 kHz, 03-10/06-10/10-10/13-10/17-10/20-10/14-10/27-10/31-10, 1320 UTC
17475 kHz, 03-10/06-10/10-10/13-10/17-10/20-10/14-10/27-10/31-10, 1330 UTC
16275 kHz, 03-10/06-10/10-10/13-10/17-10/20-10/14-10/27-10/31-10, 1340 UTC
14975 kHz, 03-10/06-10/10-10/13-10/17-10/20-10/14-10/27-10/31-10, 1350 UTC

16245 kHz, 04-10/07-10/11-10/14-10/18-10/21-10/25-10/28-10, 1100 UTC
15825 kHz, 04-10/07-10/11-10/14-10/18-10/21-10/25-10/28-10, 1110 UTC
14925 kHz, 04-10/07-10/11-10/14-10/18-10/21-10/25-10/28-10, 1120 UTC
13525 kHz, 04-10/07-10/11-10/14-10/18-10/21-10/25-10/28-10, 1130 UTC
12125 kHz, 04-10/07-10/11-10/14-10/18-10/21-10/25-10/28-10, 1140 UTC
11425 kHz, 04-10/07-10/11-10/14-10/18-10/21-10/25-10/28-10, 1150 UTC

Test transmissions

19079 kHz, 13-10/14-10/15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10/19-10/20-10/21-10/22-10/23-10, 1000 UTC
18697 kHz, 13-10/14-10/15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10/19-10/20-10/21-10/22-10/23-10, 1010 UTC
17459 kHz, 13-10/14-10/15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10/19-10/20-10/21-10/22-10/23-10, 1020 UTC
16301 kHz, 13-10/14-10/15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10/19-10/20-10/21-10/22-10/23-10, 1030 UTC
15825 kHz, 13-10/14-10/15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10/19-10/20-10/21-10/22-10/23-10, 1040 UTC
14538 kHz, 13-10/14-10/15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10/19-10/20-10/21-10/22-10/23-10, 1050 UTC

19117 kHz, 13-10/15-10/16-10/17-10/18-10/20-10/22-10/19-10/20-10/22-10, 1200 UTC
18197 kHz, 13-10/15-10/16-10/17-10/18-10/20-10/22-10/19-10/20-10/22-10, 1210 UTC
17463 kHz, 13-10/15-10/16-10/17-10/18-10/20-10/22-10/19-10/20-10/22-10, 1220 UTC
16083 kHz, 13-10/15-10/16-10/17-10/18-10/20-10/22-10/19-10/20-10/22-10, 1230 UTC
15875 kHz, 13-10/15-10/16-10/17-10/18-10/20-10/22-10/19-10/20-10/22-10, 1240 UTC
14463 kHz, 13-10/15-10/16-10/17-10/18-10/20-10/22-10/19-10/20-10/22-10, 1250 UTC

15864 kHz, 13-10/14-10/15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10/19-10/20-10/21-10/22-10/23-10, 1600 UTC
14381 kHz, 13-10/14-10/15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10/19-10/20-10/21-10/22-10/23-10, 1610 UTC
13965 kHz, 13-10/14-10/15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10/19-10/20-10/21-10/22-10/23-10, 1620 UTC
13381 kHz, 13-10/14-10/15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10/19-10/20-10/21-10/22-10/23-10, 1630 UTC
12157 kHz, 13-10/14-10/15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10/19-10/20-10/21-10/22-10/23-10, 1640 UTC
11572 kHz, 13-10/14-10/15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10/19-10/20-10/21-10/22-10/23-10, 1650 UTC

19273 kHz, 15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10, 1400 UTC
18233 kHz, 15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10, 1410 UTC
17435 kHz, 15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10, 1420 UTC
16069 kHz, 15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10, 1430 UTC
15863 kHz, 15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10, 1440 UTC
14375 kHz, 15-10/16-10/17-10/18-10/20-10/21-10/22-10/23-10, 1450 UTC

17436 kHz, 15-10/16-10/17-10/18-10/19-10/22-10/23-10, 0600 UTC
18582 kHz, 15-10/16-10/17-10/18-10/19-10/22-10/23-10, 0610 UTC
19084 kHz, 15-10/16-10/17-10/18-10/19-10/22-10/23-10, 0620 UTC
19511 kHz, 15-10/16-10/17-10/18-10/19-10/22-10/23-10, 0630 UTC
20381 kHz, 15-10/16-10/17-10/18-10/19-10/22-10/23-10, 0640 UTC
20978 kHz, 15-10/16-10/17-10/18-10/19-10/22-10/23-10, 0650 UTC

20271 kHz, 24-10/27-10/28-10/29-10, 1100 UTC
19606 kHz, 24-10/27-10/28-10/29-10, 1110 UTC
18334 kHz, 24-10/27-10/28-10/29-10, 1120 UTC
17462 kHz, 24-10/27-10/28-10/29-10, 1130 UTC
16349 kHz, 24-10/27-10/28-10/29-10, 1140 UTC
15809 kHz, 24-10/27-10/28-10/29-10, 1150 UTC

20351 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1300 UTC
19484 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1310 UTC
18241 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1320 UTC
17476 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1330 UTC
16346 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1340 UTC
15848 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1350 UTC

18358 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1500 UTC
17461 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1510 UTC
16273 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1520 UTC
15848 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1530 UTC
14373 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1540 UTC
13882 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1550 UTC

16341 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1700 UTC
15845 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1710 UTC
14981 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1720 UTC
14382 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1730 UTC
13893 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1740 UTC
12165 kHz, 24-10/25-10/26-10/27-10/28-10/29-10, 1750 UTC

DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

17440 kHz, 09-10, 1226 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 09-10, 1230 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 09-10, 1259 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 13-10, 1227 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 13-10, 1230 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 13-10, 1257 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 16-10, 1229 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 16-10, 1239 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
17440 kHz, 18-10, 1226 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 18-10, 1229 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 18-10, 1257 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 20-10, 1227 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 20-10, 1227 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
17440 kHz, 23-10, 1227 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz

13365 kHz, 23-10, 1229 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 23-10, 1255 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 24-10, 1228 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 24-10, 1227 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 24-10, 1257 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 25-10, 1229 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 25-10, 1229 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
17440 kHz, 26-10, 1226 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 26-10, 1228 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
17440 kHz, 27-10, 1226 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 27-10, 1229 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 27-10, 1259 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 30-10, 1329 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 30-10, 1329 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 30-10, 1359 UTC, RFSM	MFA Sofia wkg unid embassy
17440 kHz, 31-10, 1324 UTC, RFSM	MFA Sofia wkg unid embassy on 13365 kHz
13365 kHz, 31-10, 1325 UTC, RFSM	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz
18455 kHz, 31-10, 1357 UTC, RFSM	MFA Sofia wkg unid embassy

Diplomatic stations: Egypt

17416.7 kHz, 18-10, 1124 UTC, SITOR-A 100/170	Egyptian diplo. Encrypted message i.p.
20026.7 kHz, 18-10, 1622 UTC, SITOR-A 100/170	Egyptian diplo. Encrypted traffic i.p.
17446.7 kHz, 21-10, 0854 UTC, SITOR-A 100/170	MFA Cairo clg XB VX: Egyptian embassy Bucharest

Diplomatic stations: North Korea

12200 kHz, 02-10, 0843 UTC
18979 kHz, 05-10, 1405 UTC
16887.5 kHz, 08-10, 1437 UTC. North Korean embassy Caracas wkg North Korean embassy Havana
16252 kHz, 10-10, 0830 UTC
16252 kHz, 10-10, 1430 UTC
13400 kHz, 11-10, 1300 UTC
20004 kHz, 11-10, 1300 UTC
19120 kHz, 11-10, 1313 UTC
14650 kHz, 12-10, 1235 UTC
16252 kHz, 13-10, 1300 UTC
16252 kHz, 20-10, 1200 UTC
19200 kHz, 25-10, 0630 UTC
14600 kHz, 25-10, 0814 UTC
16252 kHz, 25-10, 1050 UTC
19120 kHz, 25-10, 1300 UTC
16252 kHz, 25-10, 1300 UTC
14100 kHz, 30-10, 1230 UTC. QSX 16252 kHz
16252 kHz, 30-10, 1230 UTC. QSX 14100 kHz
12400 kHz, 31-10, 0814 UTC
16252 kHz, 31-10, 1228 UTC
16250 kHz, 31-10, 1255 UTC
16255 kHz, 31-10, 1255 UTC
14300 kHz, 31-10, 1308 UTC
14444 kHz, 31-10, 1308 UTC
12500 kHz, 31-10, 1311 UTC
13400 kHz, 31-10, 1311 UTC
16252 kHz, 31-10, 1312 UTC
14600 kHz, 31-10, 1318 UTC
14440 kHz, 31-10, 1426 UTC

Diplomatic stations: Russia

14377 kHz, 02-10, 0744 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
11438 kHz, 02-10, 0814 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris

20675 kHz, 02-10, 0925 UTC, MFSK-6	MFA Moscow clg 641523: Russian embassy Lusaka
13524 kHz, 03-10, 0751 UTC, MFSK-6	MFA Moscow clg 125643: Russian embassy Ulaan Baatar
14358 kHz, 03-10, 0824 UTC, MFSK-66	Russian diplo
15945 kHz, 03-10, 0826 UTC, MFSK-66	Russian diplo
13401 kHz, 03-10, 0833 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
11552 kHz, 03-10, 0843 UTC, MFSK-66	Russian diplo
14636 kHz, 04-10, 0819 UTC, MFSK-66	Russian diplo
20412 kHz, 04-10, 1058 UTC, Serdolik v2	Russian diplo
17442 kHz, 04-10, 1059 UTC, Serdolik v2	Russian diplo
16115 kHz, 04-10, 1106 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
19878 kHz, 04-10, 0715 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
16315 kHz, 05-10, 0731 UTC, Serdolik v2	Russian diplo
14474 kHz, 05-10, 0732 UTC, Serdolik v2	Russian diplo selcal
16313 kHz, 05-10, 0736 UTC, Serdolik v2	Russian diplo
16028 kHz, 05-10, 0753 UTC, Serdolik v2	Russian diplo selcal
16026 kHz, 05-10, 0753 UTC, Serdolik v2	Russian diplo
14472 kHz, 05-10, 0754 UTC, Serdolik v2	Russian diplo Test
18575 kHz, 05-10, 0753 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
14705 kHz, 05-10, 0753 UTC, Serdolik v2	Russian diplo
16216 kHz, 06-10, 0830 UTC, MFSK-66	Russian diplo
12114 kHz, 08-10, 1031 UTC, Serdolik v2	Russian diplo
12114 kHz, 08-10, 1037 UTC, Serdolik v2	Russian diplo
13895 kHz, 08-10, 1040 UTC, Serdolik v2	Russian diplo
12096 kHz, 08-10, 1041 UTC, Serdolik v2	Russian diplo
17451 kHz, 08-10, 1120 UTC, MFSK-66	Russian diplo
16060 kHz, 08-10, 1120 UTC, MFSK-6	MFA Moscow clg 261453: Russian embassy Cairo
17461 kHz, 08-10, 1154 UTC, MFSK-66	Russian diplo
19275 kHz, 09-10, 0920 UTC, Serdolik v2	Russian diplo. Selcal
19275 kHz, 09-10, 0927 UTC, Serdolik v2	Russian diplo. Selcal
19275 kHz, 09-10, 0930 UTC, Serdolik v2	Russian diplo. Selcal
19273 kHz, 09-10, 0933 UTC, Serdolik v2	Russian diplo
16117 kHz, 09-10, 0942 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
17466 kHz, 09-10, 0827 UTC, Serdolik v2	Russian diplo
17475 kHz, 09-10, 0833 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
17466 kHz, 09-10, 0836 UTC, Serdolik v2	Russian diplo
17480 kHz, 09-10, 0842 UTC, OFDM-112	Russian diplo
17466 kHz, 09-10, 0844 UTC, Serdolik v2	Russian diplo
14683 kHz, 09-10, 1235 UTC, MFSK-6	MFA Moscow clg 364152: Russian embassy New Delhi
13420 kHz, 10-10, 0806 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
16257 kHz, 10-10, 0812 UTC, MFSK-66	Russian diplo
17523 kHz, 10-10, 0821 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
20813 kHz, 10-10, 1007 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
13419 kHz, 11-10, 0820 UTC, MFSK-6	MFA Moscow clg 465132: Russian embassy Sofia
16062 kHz, 12-10, 0831 UTC, Serdolik v2	Russian diplo
13395 kHz, 16-10, 0822 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris
14615 kHz, 17-10, 0751 UTC, MFSK-6	MFA Moscow clg 125643: Russian embassy Ulaanbaatar
13424 kHz, 17-10, 0827 UTC, MFSK-66	Russian diplo
11590 kHz, 17-10, 0827 UTC, MFSK-66	Russian diplo
13401 kHz, 17-10, 0832 UTC, MFSK-6	MFA Moscow clg Russian embassy Rome
14803 kHz, 17-10, 0838 UTC, MFSK-66	Russian diplo
13436 kHz, 17-10, 0840 UTC, MFSK-66	Russian diplo
17443 kHz, 18-10, 1059 UTC, Serdolik v2	Russian diplo. Selcal
16115 kHz, 18-10, 1104 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
17440 kHz, 18-10, 1123 UTC, Serdolik v2	Russian diplo.
14653 kHz, 18-10, 1054 UTC, Serdolik v2	Russian diplo
14650 kHz, 18-10, 1114 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
19511 kHz, 18-10, 0721 UTC, MFSK-66	Russian diplo
21825 kHz, 19-10, 0723 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo. Mixi with a Serdolik v2 selcal
21824 kHz, 19-10, 0723 UTC, Serdolik v2	Russian diplo. Selcal
21824 kHz, 19-10, 0726 UTC, Serdolik v2	Russian diplo
16315 kHz, 19-10, 0723 UTC, Serdolik v2	Russian diplo. Selcal
17517 kHz, 19-10, 0728 UTC, MFSK-66	Russian diplo
17534 kHz, 19-10, 0758 UTC, MFSK-6	MFA Moscow clg 351264: Russian embassy Abu Dhabi

16026 kHz, 19-10, 0806 UTC, Serdolik v2	Russian diplo
19141 kHz, 19-10, 0735 UTC, MFSK-6	MFA Moscow clg Russian embassy Nairobi
19511 kHz, 19-10, 0740 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
17521 kHz, 19-10, 0746 UTC, Serdolik v2	Russian diplo. Selcal
17480 kHz, 19-10, 0749 UTC, OFDM-112	Russian diplo
17460 kHz, 19-10, 0752 UTC, OFDM-112	Russian diplo
15924 kHz, 19-10, 0802 UTC, OFDM-112	Russian diplo
18196 kHz, 19-10, 0935 UTC, MFSK-66	Russian diplo
16098 kHz, 20-10, 1305 UTC, MFSK-66	Russian diplo
14828 kHz, 20-10, 0841 UTC, Serdolik v2	Russian diplo
14826 kHz, 20-10, 0901 UTC, Serdilik v2	Russian diplo. Selcal
12194 kHz, 20-10, 1024 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
16060 kHz, 22-10, 1141 UTC, MFSK-6	Moscow clg 261453: Russian embassy Cairo
20262 kHz, 23-10, 0805 UTC, OFDM-112	Russian diplo
19275 kHz, 23-10, 0911 UTC, Serdolik v2	Russian diplo. Selcal
19275 kHz, 23-10, 0917 UTC, Serdolik v2	Russian diplo. Selcal
19275 kHz, 23-10, 0920 UTC, Serdolik v2	Russian diplo. Selcal
19275 kHz, 23-10, 0923 UTC, Serdolik v2	Russian diplo. Selcal
19277 kHz, 23-10, 0924 UTC, Serdolik v2	Russian diplo. Test
16117 kHz, 23-10, 0931 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
13420 kHz, 24-10, 0803 UTC, Serdolik v2	Russian diplo
11545 kHz, 24-10, 0815 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
11071 kHz, 24-10, 0820 UTC, Serdolik v2	Russian diplo. Test
11071 kHz, 24-10, 0824 UTC, Serdolik v2	Russian diplo
18260 kHz, 24-10, 1144 UTC, MFSK-6	Test 123456 (R 16min)
14830 kHz, 24-10, 0825 UTC, Serdolik v2	Russian diplo
11071 kHz, 24-10, 0826 UTC, Serdolik v2	Russian diplo
20811 kHz, 24-10, 1001 UTC, Serdolik v2	Russian diplo. Selcal
20815 kHz, 24-10, 1002 UTC, Serdolik v2	Russian diplo
17470 kHz, 24-10, 1009 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
20815 kHz, 24-10, 1015 UTC, Serdolik v2	Russian diplo
20950 kHz, 25-10, 0724 UTC, MFSK-6	MFA Moscow clg 435621: Russian embassy Maputo
13369 kHz, 25-10, 0739 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome (R 2min)
13369 kHz, 25-10, 0743 UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest
19665 kHz, 25-10, 0800 UTC, MFSK-66	Russian diplo
10172 kHz, 25-10, 0803 UTC, MFSK-6	MFA Moscow clg 465132: Russian embassy Sofia
10170 kHz, 25-10, 0804 UTC, MFSK-6	MFA Moscow clg 465132: Russian embassy Sofia (delayed ghost signal)
16309 kHz, 25-10, 0849 UTC, Serdolik v2	Russian diplo i.p.
20950 kHz, 25-10, 0722 UTC, MFSK-6	MFA Moscow. Too short to identify
16309 kHz, 25-10, 0849 UTC, Serdolik v2	Russian diplo
18245 kHz, 25-10, 0900 UTC, MFSK-6	MFA Moscow clg 134265: Russian embassy Tunis
16062 kHz, 25-10, 0833 UTC, Serdolik v2	Russian diplo
16062 kHz, 26-10, 0819 UTC, Serdolik v2	Russian diplo
16153 kHz, 26-10, 0819 UTC, MFSK-6	MFA Moscow clg 153624: Russian embassy Damascus
18711 kHz, 27-10, 0956 UTC, MFSK-66	Russian diplo
17463 kHz, 27-10, 1035 UTC, MFSK-6	MFA Moscow clg 256134: Russian embassy Abidjan
17433 kHz, 27-10, 1035 UTC, MFSK-66	Russian diplo
17463 kHz, 27-10, 1008 UTC, MFSK-6	MFA Moscow clg 256134: Russian embassy Abidjan

Diplomatic stations: Tunisia

11160 kHz, 09-10. 1220 UTC, Mil-STD-188-141A STAT6: Tunisian diplo sounding
17489 kHz, 11-10, 1314 UTC, Mil-STD-188-141A STAT15: MFA Tunis sounding

CLANDESTINE / TARGETED RADIO & JAMMERS

8514 kHz, 14-10, 0540 UTC, USB Russian national anthem loop
9310 kHz, 14-10, 0540 UTC, USB Russian national anthem loop
7032 kHz, 14-10, 0605 UTC, USB Russian national anthem loop
7050 kHz, 18-10, 1415 UTC, LSB Russian-Ukrainian radio war. Music and slogans
7649 kHz, 21-10, 0530 UTC, USB Russian national anthem loop
8514 kHz, 21-10, 0530 UTC, USB Russian national anthem loop

9310 kHz, 21-10, 0530 UTC, USB	Russian national anthem loop
7032 kHz, 21-10, 0535 UTC, USB	Russian national anthem loop
7050 kHz, 21-10, 0540 UTC, LSB	Russian-Ukrainian radio war. Loop transmission
7055 kHz, 21-10, 0545 UTC, LSB	Russian-Ukrainian radio war. Loop transmission
7055 kHz, 28-10, 0638 UTC, LSB	Russian-Ukrainian radio war. Loop transmissions
7055 kHz, 28-10, 2036 UTC, LSB	Russian-Ukrainian radio war. Loop transmissions

UTILITY ROUND-UP

North Korean military

All logged by JPL

4418 kHz, 23-10, 1153 UTC, CW, i.p.

VVV 40LUG DE 4SFAM QRU
4748 4748 SK SK T T

4392 kHz, 23-10, 1155 UTC, CW, i.p.

VVV B3ADP DE 3BRHS QSA ?
VVV 3IZ6P DE 63U7T QSA 2 Q..3055
? (Both stations on this frequency)
3055 3055 BK
OK OP 2449 2449 ?
OK
K

4683 kHz, 23-10, 1204 UTC, CW, i.p.

VVV OP?
3714 3714 ?
OK
K

4701.25 kHz, 23-10, 1206 UTC, CW, i.p.

34259 317534 K QSL QSL ??
OK K (Both stations on this frequency)
OK CMG CMG = =01372 69032 79245 43117 15308 29316 30274 80921 71094 10689 K K QSL QSL ??
QSL QSL ??
KTF QTC 01373 79032 79245 43217 15307 29317 30274 80921 71094 10689 K
OK OK K
OK K TKTGCTG = = 41906 20438 72908 43931 54306 43176 30266 24908 51936 .0438 24726 K QSL QSL ??
102 ?? K
OK OK QTC QTC = = 30276 247205 K QSL ??
GT GT
OK OK TU TU 30266 24726 K
09?? K
OK OK = = 24726 24726
OK OK QSL QSL 0023 0023 K
OK OK
SK SK SK K
QSA ??
QSA QSA 5 5 SK SK K
OK OK SK SK

5537 kHz, 28-10, 2327 UTC, CW, i.p.

VVV 2UVXD DE 2KUXM QSA QSA 555 ? 0452 0452 ...
SK SK

Unid stations

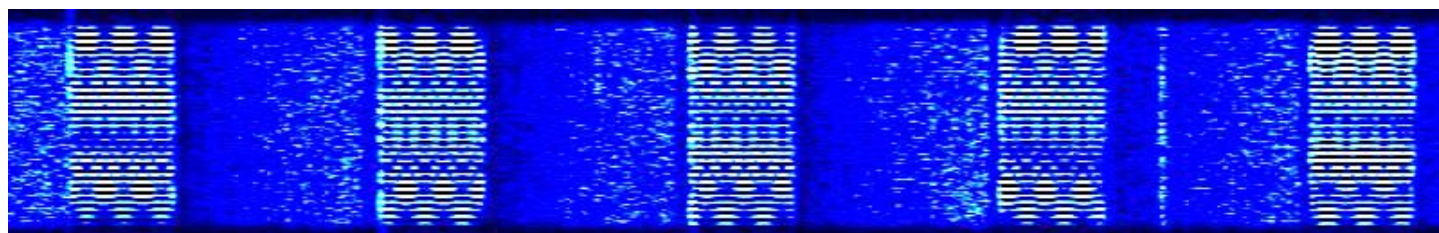
13150 kHz, 05-10, 0712 UTC, USB Trumpet oddity (Retreat trumpet call) i.p.

4095.5 kHz, 10-10, 0420 UTC, CW. Logged by SOB. Common and precious: Beacon transmitter near Berlin, Germany
 VVVVV COMMON AND PRECIOUS BEACON 2ND GENERATION. SOFTWARE 1.0 BETA. CW AND RTTY 170HZ SHIFT 50 BAUD 2 STOP BITS. 50W RF. BASE LOADED 5M VERTICAL WITH CAPACITY HAT. 35M ABOVE GROUND. LOCATED IN JO62. 24/7 OPERATION. UBATT: GRID TEMPERATURE 11.1C HUMIDITY 99.9RH

New buzzer

A new buzzer like signal popped up on a lot of frequencies. So far it is not clear what or who it is. It doesn't operate non-stop but has transmission cycles and uses multiple frequencies.

14730 kHz, 08-10, 1255 UTC
 4675 kHz, 15-10, 0100 UTC
 13730 kHz, 26-10, 0505 UTC
 16370 kHz, 31-10, 0812 UTC



RUSSIAN MILITARY TRANSCRIPTS

Monolith stations

Channel markers

3243 kHz, 07-10, 0513 UTC Goose: Russian military channel marker
 4182 kHz, 07-10, 0516 UTC Dash: Russian military channel marker
 4625 kHz, 07-10, 0517 UTC Buzzer: Russian military channel marker
 4770 kHz, 07-10, 0518 UTC Alarm: Russian military channel marker
 5448 kHz, 22-10, 0446 UTC Pip: Russian military channel marker
 3756 kHz, 23-10, 2147 UTC Pip: Russian military channel marker
 3363.5 kHz, 28-10, 1752 UTC Pip instead of Squeaky Wheel

Morse transmissions

Russian Military morse traffic

All heard by Stig (SOB)

18.1 kHz, 06-10

1058 UTC UUUUU XXX XXX XHOP XHOP 16374 27938 KIPROshchELK 3008 9483 K
 1116 UTC UUUUU XXX XXX XHOP XHOP 06323 55059 LIGATURA 6189 1554 K
 1118 UTC UUUUU XXX XXX XHOP XHOP 72474 20555 KURAZh 0501 1490 K
 1155 UTC UUUU XXX XXX XHOP XHOP 62678 12683 MAiORANovYi 3130 8615 AMUROvEND 0379 7227 K
 1239 UTC UUUUU XXX XXX XHOP XHOP 23536 75212 LUBONARY 8180 2803 BOEtsOTIP 8270 1439 vALOKNOP 7522 0962 K
 1321 UTC UUU XXX XXX XHOP XHOP 06104 90600 chESOPAUk 4384 7844 K
 1326 UTC UUUUU XXX XXX XHOP XHOP 56934 63097 GLAZNIchNYi 0350 4469 K

 1157 UTC UUUUU XXX XXX QN8E QN8E 75901 51256 MEDOZALP 1711 9920 K

 1115 UTC UUU XXX XXX RDL RDL 43581 62262 MURAVLENIE 0619 9361 K
 1122 UTC UUUU XXX XXX RDL RDL 67506 57890 ZAGSOTUNG 3267 1854 K
 1138 UTC UUU RDL RDL RDL 47860 20347 47860 20347 47860 20347 K
 1348 UTC UUUUU XXX XXX RDL RDL 37823 82550 LUKOLAK 8416 4419 K
 1414 UTC UUUUU RDL RDL RDL 39325 70042 39325 70042 39325 70042 K
 1436 UTC UU RDL RDL RDL 92766 41936 92766 41936 92766 41936 K

0910 UTC UUU RDL RDL RDL 33397 65388 33397 65388 33397 65388 K
1024 UTC UU RDL RDL RDL 06822 10645 06822 10645 06822 10645 K
1115 UTC UUU RDL RDL RDL 53546 19792 53546 19792 53546 19792 K

18.1 kHz, 08-10

0935 UTC UUU RDL RDL RDL 33432 70714 33432 70714 33432 70714 K
0955 UTC UUU RDL RDL RDL 56496 65754

18.1 kHz, 09-10

0757 UTC UUU RDL RDL RDL 69243 13987 69243 13987 69243 13987 K
0758 UTC UUU RDL RDL RDL 78730 48277 78730 48277 78730 48277 K
0853 UTC UUU RDL RDL RDL
22222 08206 00470 94997 94997 40639 08227 26954 47297 15533
14162 67800 26226 21978 70452 22425 43206 80053 31605 47346
04198 22570 95483 15617 20592 04427 28272 18775 09276 09029 K
0853 UTC UUU RDL RDL RDL 89392 81757 89392 81757 89392 81757 K
0922 UTC UUU RDL RDL RDL 65860 45091 65860 45091 65860 45091 K
1022 UTC UUU XXX XXX RDL RDL 74332 85672 OTYSKivANbE 3660 2848 K
1027 UTC UUUUU RDL RDL RDL 60154 56049
0938 UTC UUU RDL RDL RDL 60154 56049 60154 56049 60154 56049 K

18.1 kHz, 11-10

1556 UTC UUUU XXX XXX RDL RDL 15929 92666 SOKOKli 9001 7264 K
1618 UTC UUUU XXX XXX RDL RDL 88792 94155 NITOchINK 6740 6567 K

1555 UTC UUU XXX XXX XHOP XHOP 12851 02822 PLyushchOPAyus 9748 7540 K
1607 UTC UUU XXX XXX XHOP XHOP 84968 44657 LePOGAM 6191 9223 GUBITELb 9772 2633 K

6771 kHz, 11-10

1603 UTC XXX XXX H7Q6 H7Q6 AY9X AY9X 04812 47169 LAiMOZUEK 4412 2405 K

18.1 kHz, 12-10

1210 UTC UUU XXX XXX QN8E QN8E 13556 66266 APATiya 5321 2704 K

14375 kHz, 26-10, 1224 UTC, i.p.

LN7M LN7M LN7M DE F9QP F9QP K
RK
7GVK 7GVK 7GVK DE F9QP F9QP K
YUGB YUGB YUGB DE F9QP F9QP K
RK

Russian tactical datalink

6970 kHz, 06-10, 2058 kHz, Akkord 1200Bd/800Hz
6970 kHz, 20-10, 1832 kHz, Akkord 1200Bd/800Hz

LOGS SECTION

Code	Date	UTC	Freq.	Day	Details	Mode	Contributor
---	5-10	0712	13150	Thu	Trumpet oddity (Retreat trumpet call) i.p.	USB	(AB)
---	6-10	0457	3243	Fri	Goose: Russian channel marker	USB	(ChPa)
---	6-10	0458	4770	Fri	Alarm: Russian channel marker	USB	(ChPa)
---	6-10	0459	4182	Fri	Dash: Russian channel marker	USB	(ChPa)
---	6-10	2058	6970	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	7-10	0513	3243	Sat	Goose: Russian channel marker	USB	(ChPa)
---	7-10	0513	3243	Sat	Goose: Russian military channel marker	USB	(ChPa)
---	7-10	0516	4182	Sat	Dash: Russian channel marker	USB	(ChPa)
---	7-10	0516	4182	Sat	Dash: Russian military channel marker	USB	(ChPa)
---	7-10	0518	4770	Sat	Alarm: Russian military channel marker	USB	(ChPa)
---	7-10	0518	4770	Sat	Alarm: Russian channel marker	USB	(ChPa)
---	7-10	0519	5156.7	Sat	Beacon L, St Petersburg	USB	(ChPa)
---	13-10	0451	3243	Fri	Goose: Russian military channel marker	USB	(ChPa)
---	13-10	0453	4182	Fri	Dash: Russian military channel marker	USB	(ChPa)
---	13-10	0500	4770	Fri	Alarm: Russian military channel marker	USB	(ChPa)
---	13-10	2042	6970	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	14-10	0540	7649	Sat	Russian national anthem loop	USB	(AB)
---	14-10	0540	8514	Sat	Russian national anthem loop	USB	(AB)
---	14-10	0540	9310	Sat	Russian national anthem loop	USB	(AB)
---	14-10	0605	7032	Sat	Russian national anthem loop	USB	(AB)
---	15-10	2017	6970	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	18-10	0516	3243	Wed	Goose: Russian military channel marker	USB	(ChPa)
---	18-10	0516	4182	Wed	Dash: Russian military channel marker	USB	(ChPa)
---	18-10	0516	4770	Wed	Alarm: Russian military channel marker	USB	(ChPa)
---	18-10	0516	5156.7	Wed	Beacon L, St Petersburg	USB	(ChPa)
---	18-10	0516	20302	Wed	Marker L	USB	(ChPa)
---	18-10	0516	20305	Wed	Marker P	USB	(ChPa)
---	20-10	1832	6970	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	21-10	0530	7649	Sat	Russian national anthem loop	USB	(AB)
---	21-10	0530	8514	Sat	Russian national anthem loop	USB	(AB)
---	21-10	0530	9310	Sat	Russian national anthem loop	USB	(AB)
---	21-10	0535	7032	Sat	Russian national anthem loop	USB	(AB)
---	21-10	0540	7050	Sat	Russian-Ukrainian radio war. Loop transmission	LSB	(AB)
---	21-10	0545	7055	Sat	Russian-Ukrainian radio war. Loop transmission	LSB	(AB)
---	22-10	0441	3243	Sun	Goose: Russian military channel marker	USB	(ChPa)
---	22-10	0443	4182	Sun	Dash: Russian military channel marker	USB	(ChPa)
---	22-10	0445	4770	Sun	Alarm: Russian military channel marker	USB	(ChPa)
---	26-10	0505	13730	Thu	New buzzer	USB	(AB)

---	28-10	0638	7055	Sat	Russian-Ukrainian radio war. Loop transmissions	LSB	(AB)
---	28-10	2036	7055	Sat	Russian-Ukrainian radio war. Loop transmissions	LSB	(AB)
---	31-10	0812	16370	Tue	New buzzer	USB	(AB)
BUL	9-10	1226	17440	Mon	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	9-10	1230	13365	Mon	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	9-10	1259	18455	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	13-10	1227	17440	Fri	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	13-10	1230	13365	Fri	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	13-10	1257	18455	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	16-10	1229	13365	Mon	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	16-10	1229	17440	Mon	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	18-10	1226	17440	Wed	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	18-10	1229	13365	Wed	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	18-10	1257	18455	Wed	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	19-10	1226	17440	Thu	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	19-10	1229	13365	Thu	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	19-10	1257	18455	Thu	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	20-10	1227	17440	Fri	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	20-10	1228	13365	Fri	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	23-10	1227	17440	Mon	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	23-10	1229	13365	Mon	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	23-10	1255	18455	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	24-10	1227	13365	Tue	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	24-10	1228	17440	Tue	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	24-10	1257	18455	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	25-10	1229	13365	Wed	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	25-10	1229	17440	Wed	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	26-10	1226	17440	Thu	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	26-10	1228	13365	Thu	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	27-10	1226	17440	Fri	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	27-10	1229	13365	Fri	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	27-10	1259	18455	Fri	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	30-10	1329	13365	Mon	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	30-10	1329	17440	Mon	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	30-10	1359	18455	Mon	MFA Sofia wkg unid embassy	RFSM	(AB)
BUL	31-10	1324	17440	Tue	MFA Sofia wkg unid embassy on 13365 kHz	RFSM	(AB)
BUL	31-10	1325	13365	Tue	Unid Bulgarian embassy wkg MFA Sofia on 17440 kHz	RFSM	(AB)
BUL	31-10	1357	18455	Tue	MFA Sofia wkg unid embassy	RFSM	(AB)
DPRK	2-10	0843	12200	Mon	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	5-10	1405	18979	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	8-10	1437	16887.5	Sun	North Korean embassy Caracas wkg North Korean embassy Havana	FSK 600/600 LSB	(DW-MD)
DPRK	10-10	0830	16252	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)

DPRK	10-10	1430	16252	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	11-10	1300	13400	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	11-10	1300	20004	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	11-10	1313	19120	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	12-10	1235	14650	Thu	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	13-10	1300	16252	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	15-10	1013	17460	Sun	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	20-10	1200	16252	Fri	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	25-10	0630	19200	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	25-10	0814	14600	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	25-10	1050	16252	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	25-10	1300	16252	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	25-10	1300	19120	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	30-10	1230	14100	Mon	North Korean diplo. QSX 16252 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	30-10	1230	16252	Mon	North Korean diplo. QSX 14100 kHz	DPRK-ARQ 600 LSB	(AB)
DPRK	31-10	0814	12400	Tue	North Korean diplo	DPRK-ARQ 200 LSB	(AB)
DPRK	31-10	1228	16252	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	31-10	1255	16250	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	31-10	1255	16255	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	31-10	1308	14300	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	31-10	1308	14444	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	31-10	1311	12500	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	31-10	1311	13400	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	31-10	1312	16252	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	31-10	1318	14600	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	31-10	1426	14440	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
E06	2-10	0210	11528	Mon	537 648 39 97879 33686 51521 ... 69208 77756 19458 648 39 00000	USB	(PY)
E06	2-10	0310	14613	Mon	537 648 39 97879 33686 51521 ... 69208 77756 19458 648 39 00000	USB	(PY)
E06	3-10	0210	11528	Tue	537 648 39 97879 33686 51521 ... 69208 77756 19458 648 39 00000	USB	(PY)
E06	3-10	0310	14613	Tue	537 648 39 97879 33686 51521 ... 69208 77756 19458 648 39 00000	USB	(PY)
E06	3-10	1210	10755	Tue	Windows XP startup sound then other Windows XP system sounds, then 1200Hz test tones then E06 975 once, then 975 97 off	USB	(PY)
E06	5-10	0300	16219	Thu	361 298 35 75426 49246 91289 ... 05585 25361 07089 298 35 00000	USB	(PY)
E06	5-10	0400	13545	Thu	361 298 35 75426 49246 91289 ... 05585 25361 07089 298 35 00000	USB	(PY)
E06	5-10	0600	18425	Thu	186 790 52 57217 68664 07071 ... 22483 07060 75713 790 52 00000	USB	(AB-KWT/HFD)
E06	5-10	0700	20230	Thu	186 790 52 57217 68664 07071 ... 22483 07060 75713 790 52 00000	USB	(AB-KWT/HFD)
E06	5-10	0700	20230	Thu	186 790 52 57217 68664 07071 12468 28795	USB	(Lac)
E06	6-10	0300	16219	Fri	361 298 35 75426 49246 91289 ... 05585 25361 07089 298 35 00000	USB	(PY)
E06	6-10	0400	13545	Fri	361 298 35 75426 49246 91289 ... 05585 25361 07089 298 35 00000	USB	(PY)
E06	6-10	0600	18425	Fri	186 790 52 57217 68664 07071 ... 22483 07060 75713 790 52 00000	USB	(AB-KWT)
E06	6-10	0600	18425	Fri	186 790 52, repeat from 05-10-2023	USB	(Lac)
E06	6-10	0700	20230	Fri	186 790 52 57217 68664 07071 ... 22483 07060 75713 790 52 00000	USB	(AB-KWT)

E06	6-10	0700	20230	Fri	186 790 52, repeat from 05-10-2023	USB	(Lac)
E06	9-10	0210	11528	Mon	537 912 40 00842 75344 35409 ... 46497 62536 10680 912 40 00000	USB	(PY)
E06	9-10	0310	14613	Mon	537 912 40 00842 75344 35409 ... 46497 62536 10680 912 40 00000	USB	(PY)
E06	10-10	0210	11528	Tue	537 912 40 00842 75344 35409 ... 46497 62536 10680 912 40 00000	USB	(PY)
E06	10-10	0310	14613	Tue	537 912 40 00842 75344 35409 ... 46497 62536 10680 912 40 00000	USB	(PY)
E06	12-10	0300	16219	Thu	361 705 36 40781 83040 43188 ... 72653 38786 96329 705 36 00000	USB	(PY)
E06	12-10	0400	13545	Thu	361 705 36 40781 83040 43188 ... 72653 38786 96329 705 36 00000	USB	(PY)
E06	13-10	0300	16219	Fri	361 705 36 40781 83040 43188 ... 72653 38786 96329 705 36 00000	USB	(PY)
E06	13-10	0400	13545	Fri	361 705 36 40781 83040 43188 ... 72653 38786 96329 705 36 00000	USB	(PY)
E06	16-10	0210	11528	Mon	537 608 41 13939 05201 83494 ... 17313 81317 00797 608 41 00000	USB	(PY)
E06	16-10	0310	14613	Mon	537 608 41 13939 05201 83494 ... 17313 81317 00797 608 41 00000	USB	(PY)
E06	17-10	0210	11528	Tue	537 608 41 13939 05201 83494 ... 17313 81317 00797 608 41 00000	USB	(PY)
E06	17-10	0310	14613	Tue	537 608 41 13939 05201 83494 ... 17313 81317 00797 608 41 00000	USB	(PY)
E06	17-10	1049	11073	Tue	Test tones then E06 352 once, poorly suppressed LSB	USB	(PY)
E06	17-10	1100	11073	Tue	352 (R4m) 794 60 76493 57220 26078 ... 29166 52439 74161 794 60 00000	USB	(PY)
E06	17-10	1100	11073	Tue	352 794 60 76493 57220 26078 ... 29166 52439 74161 794 60 00000	USB	(Subilo)
E06	17-10	1240	10755	Tue	975 00000	USB	(Subilo)
E06	19-10	0300	16219	Thu	361 249 37 03199 49067 39958 ... 77678 14345 03923 249 37 00000	USB	(PY)
E06	19-10	0400	13545	Thu	361 249 37 03199 49067 39958 ... 77678 14345 03923 249 37 00000	USB	(PY)
E06	19-10	0600	18425	Thu	186 239 54 93883 29532 85141 ... 53845 99485 90696 239 54 00000	USB	(AB-RUS)
E06	19-10	0600	18425	Thu	186 239 54 93883 29532 85141 36781 21462	USB	(Lac)
E06	19-10	0700	20230	Thu	186 239 54 93883 29532 85141 ... 53845 99485 90696 239 54 00000	USB	(AB)
E06	19-10	0700	20230	Thu	186 239 54 93883 29532 85141 36781 21462	USB	(Lac)
E06	20-10	0300	16219	Fri	361 249 37 03199 49067 39958 ... 77678 14345 03923 249 37 00000	USB	(PY)
E06	20-10	0400	13545	Fri	361 249 37 03199 49067 39958 ... 77678 14345 03923 249 37 00000	USB	(PY)
E06	20-10	0600	18425	Fri	186 239 54 93883 29532 85141 ... 53845 99485 90696 239 54 00000	USB	(AB)
E06	20-10	0700	20230	Fri	186 239 54 93883 29532 85141 ... 53845 99485 90696 239 54 00000	USB	(AB)
E06	23-10	0210	11528	Mon	537 109 42 71887 67904 04649 ... 69375 50575 62588 109 42 00000	USB	(PY)
E06	23-10	0310	14613	Mon	537 109 42 71887 67904 04649 ... 69375 50575 62588 109 42 00000	USB	(PY)
E06	24-10	0210	11528	Tue	537 109 42 71887 67904 04649 ... 69375 50575 62588 109 42 00000	USB	(PY)
E06	24-10	0310	14613	Tue	537 109 42 71887 67904 04649 ... 69375 50575 62588 109 42 00000	USB	(PY)
E06	26-10	0300	16219	Thu	361 750 38 22654 60283 10987 ... 12320 71931 51831 750 38 00000	USB	(PY)
E06	26-10	0400	13545	Thu	361 750 38 22654 60283 10987 ... 12320 71931 51831 750 38 00000	USB	(PY)
E06	27-10	0300	16219	Fri	361 750 38 22654 60283 10987 ... 12320 71931 51831 750 38 00000	USB	(PY)
E06	27-10	0400	13545	Fri	361 750 38 22654 60283 10987 ... 12320 71931 51831 750 38 00000	USB	(PY)
E06	30-10	0210	11528	Mon	537 628 43 86855 65723 81876 ... 81713 51982 51744 628 43 00000	USB	(PY)
E06	30-10	0310	14613	Mon	537 628 43 86855 65723 81876 ... 81713 51982 51744 628 43 00000	USB	(PY)
E06	31-10	0210	11538	Tue	537 628 43 86855 65723 81876 ... 81713 51982 51744 628 43 00000	USB	(PY)
E06	31-10	0310	14613	Tue	537 628 43 86855 65723 81876 ... 81713 51982 51744 628 43 00000	USB	(PY)
E07	1-10	0600	10317	Sun	312 312 312 000	USB	(AB/HFD)
E07	1-10	0620	11117	Sun	312 312 312 000	USB	(AB/HFD)
E07	3-10	1500	17461	Tue	413 413 413 000	USB	(AB/HFD/Lac)

E07	3-10	1520	16161	Tue	413 413 413 000	USB	(AB/HFD/Lac)
E07	5-10	1410	15849	Thu	746 746 746 000	USB	(AB)
E07	5-10	1430	14849	Thu	746 746 746 000	USB	(AB/Lac)
E07	6-10	1500	17461	Fri	413 413 413 000	USB	(AB/MPJ/Lac)
E07	6-10	1520	16161	Fri	413 413 413 000	USB	(AB/MPJ)
E07	7-10	1300	12176	Sat	152 152 152 000	USB	(AB/Lac)
E07	7-10	1320	11576	Sat	152 152 152 000	USB	(AB/Lac)
E07	7-10	1410	15849	Sat	746 746 746 000	USB	(AB/HFD/Lac)
E07	7-10	1430	14849	Sat	746 746 746 000	USB	(AB/HFD/Lac)
E07	8-10	0600	10317	Sun	312 312 312 000	USB	(AB/Lac)
E07	8-10	0620	11117	Sun	312 312 312 000	USB	(AB)
E07	10-10	1500	17461	Tue	413 413 413 1 393 150 393 150 06651 94694 00034 ... 04010 01109 41751 000 000	USB	(AB/Lac)
E07	10-10	1520	16161	Tue	413 413 413 1 393 150 393 150 06651 94694 00034 ... 04010 01109 41751 000 000	USB	(AB/Lac)
E07	10-10	1540	14361	Tue	413 413 413 1 393 150 393 150 06651 94694 00034 ... 04010 01109 41751 000 000	USB	(AB/Lac)
E07	12-10	1410	15849	Thu	746 746 746 1 635 66 635 66 64889 35893 68817 ... 11231 18956 88876 000 000	USB	(AB/MPJ/Lac)
E07	12-10	1430	14849	Thu	746 746 746 1 635 66 635 66 64889 35893 68817 ... 11231 18956 88876 000 000	USB	(AB/MPJ/Lac)
E07	12-10	1450	13449	Thu	746 746 746 1 635 66 635 66 64889 35893 68817 ... 11231 18956 88876 000 000	USB	(AB/MPJ/Lac)
E07	13-10	1500	17461	Fri	413 413 413 1 393 150 393 150 06651 94694 00034 ... 04010 01109 41751 000 000	USB	(AB)
E07	13-10	1520	16161	Fri	413 413 413 1 393 150 393 150 06651 94694 00034 ... 04010 01109 41751 000 000	USB	(AB)
E07	13-10	1540	14361	Fri	413 413 413 1 393 150 393 150 06651 94694 00034 ... 04010 01109 41751 000 000	USB	(AB)
E07	14-10	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	14-10	1320	11576	Sat	152 152 152 000	USB	(AB)
E07	14-10	1410	15849	Sat	746 746 746 1 635 66 635 66 64889 35893 68817 ... 11231 18956 88876 000 000	USB	(AB)
E07	14-10	1430	14849	Sat	746 746 746 1 635 66 635 66 64889 35893 68817 ... 11231 18956 88876 000 000	USB	(AB)
E07	14-10	1450	13449	Sat	746 746 746 1 635 66 635 66 64889 35893 68817 ... 11231 18956 88876 000 000	USB	(AB)
E07	15-10	0600	10317	Sun	312 312 312 000	USB	(AB)
E07	15-10	0620	11117	Sun	312 312 312 000	USB	(AB)
E07	17-10	1500	17461	Tue	413 413 413 000	USB	(AB/Lac)
E07	17-10	1520	16161	Tue	413 413 413 000	USB	(AB)
E07	19-10	1410	15849	Thu	746 746 746 000	USB	(AB/RL/Lac)
E07	19-10	1430	14849	Thu	746 746 746 000	USB	(AB/RL/Lac)
E07	20-10	1500	17461	Fri	413 413 413 000	USB	(AB)
E07	20-10	1520	16161	Fri	413 413 413 000	USB	(AB)
E07	21-10	1300	12176	Sat	152 152 152 000	USB	(AB/MPJ)
E07	21-10	1320	11576	Sat	152 152 152 000	USB	(AB/MPJ)
E07	21-10	1410	15849	Sat	746 746 746 000	USB	(AB/MPJ)
E07	21-10	1430	14849	Sat	746 746 746 000	USB	(AB/MPJ)
E07	22-10	0600	10317	Sun	312 312 312 000	USB	(AB)
E07	22-10	0620	11117	Sun	312 312 312 000	USB	(AB)
E07	24-10	1500	17461	Tue	413 413 413 1 537 125 537 125 84455 62066 86641 ... 42668 39550 45495 000 000	USB	(AB/Lac)
E07	24-10	1520	16161	Tue	413 413 413 1 537 125 537 125 84455 62066 86641 ... 42668 39550 45495 000 000	USB	(AB/Lac)
E07	24-10	1540	14361	Tue	413 413 413 1 537 125 537 125 84455 62066 86641 ... 42668 39550 45495 000 000	USB	(AB/Lac)

E07	26-10	1410	15849	Thu	746 746 746 1 349 88 349 88 17980 46650 03532 ... 75067 64702 39398 000 000	USB	(AB/Lac)
E07	26-10	1430	14849	Thu	746 746 746 1 349 88 349 88 17980 46650 03532 ... 75067 64702 39398 000 000	USB	(AB/Lac)
E07	26-10	1450	13449	Thu	746 746 746 1 349 88 349 88 17980 46650 03532 ... 75067 64702 39398 000 000	USB	(AB/Lac)
E07	27-10	1500	17461	Fri	413 413 413 1 537 125 537 125 84455 62066 86641 ... 42668 39550 45495 000 000	USB	(AB)
E07	27-10	1520	16161	Fri	413 413 413 1 537 125 537 125 84455 62066 86641 ... 42668 39550 45495 000 000	USB	(AB)
E07	27-10	1540	14361	Fri	413 413 413 1 537 125 537 125 84455 62066 86641 ... 42668 39550 45495 000 000	USB	(AB)
E07	28-10	1300	12176	Sat	152 152 152 000	USB	(AB)
E07	28-10	1320	11576	Sat	152 152 152 000	USB	(AB)
E07	28-10	1410	15849	Sat	746 746 746 1 349 88 349 88 17980 46650 03532 ... 75067 64702 39398 000 000	USB	(AB)
E07	28-10	1430	14849	Sat	746 746 746 1 349 88 349 88 17980 46650 03532 ... 75067 64702 39398 000 000	USB	(AB)
E07	28-10	1450	13449	Sat	746 746 746 1 349 88 349 88 17980 46650 03532 ... 75067 64702 39398 000 000	USB	(AB)
E07	29-10	0600	10317	Sun	312 312 312 000	USB	(AB/SOB)
E07	29-10	0620	11117	Sun	312 312 312 000	USB	(AB)
E07	31-10	1500	17461	Tue	413 413 413 000	USB	(AB/MPJ)
E07	31-10	1520	16161	Tue	413 413 413 000	USB	(AB/MPJ)
E11	1-10	0600	8680	Sun	355/00 Out	USB	(AB)
E11	1-10	0700	9079	Sun	498/00 Out	USB	(AB)
E11	1-10	1530	4505	Sun	369/00 Out	USB	(AB)
E11	1-10	1605	5176	Sun	237/00 Out	USB	(AB)
E11	1-10	1745	13470	Sun	244/00 Out	USB	(AB/MPJ)
E11	1-10	1815	11116	Sun	927/00 Out	USB	(AB/MPJ)
E11	1-10	1910	8530	Sun	617/00 Out	USB	(AB)
E11	1-10	2000	5737	Sun	521/00 Out	USB	(AB)
E11	2-10	0450	5371	Mon	416/00 Out	USB	(AB)
E11	2-10	0715	15632	Mon	754/00 Out	USB	(AB)
E11	2-10	0745	10213	Mon	261/00 Out	USB	(AB/Lac)
E11	2-10	0830	20170	Mon	189/00 Out	USB	(AB/Lac)
E11	2-10	0845	12202	Mon	710/00 Out	USB	(AB/Lac)
E11	2-10	0900	9968	Mon	535/00 Out	USB	(AB/Lac)
E11	2-10	1045	10200	Mon	690/00 Out	USB	(AB/Lac)
E11	2-10	1300	5371	Mon	310/00 Out	USB	(AB)
E11	2-10	1745	13470	Mon	240/00 Out	USB	(AB)
E11	3-10	0700	8180	Tue	571/00 Out	USB	(AB/Lac)
E11	3-10	0745	14865	Tue	221/00 Out	USB	(AB/Lac)
E11	3-10	0820	19184	Tue	138/00 Out	USB	(AB/Lac)
E11	3-10	0845	18168	Tue	157/00 Out	USB	(AB/Lac)
E11	3-10	1000	9951	Tue	300/00 Out	USB	(Lac)
E11	3-10	1205	9399	Tue	465/00 Out	USB	(AB/Lac)
E11	3-10	1230	12530	Tue	332/00 Out	USB	(AB/Lac)
E11	3-10	1430	14972	Tue	914/00 Out	USB	(AB/Lac)
E11	3-10	1605	5176	Tue	233/00 Out	USB	(AB/Lac)
E11	4-10	0315	11581	Wed	252/00 Out	USB	(AB-POL)

E11	4-10	0715	15632	Wed	755/00 Out	USB	(AB/Lac)
E11	4-10	0820	19184	Wed	136/00 Out	USB	(AB-POL)
E11	4-10	0845	12202	Wed	716/00 Out	USB	(AB)
E11	4-10	0900	9968	Wed	538/00 Out	USB	(AB)
E11	4-10	0930	6940	Wed	279/00 Out	USB	(AB-POL)
E11	4-10	1045	10200	Wed	694/00 Out	USB	(AB/MPJ/Lac)
E11	4-10	1205	9399	Wed	461/00 Out	USB	(AB/MPJ)
E11	4-10	1910	4181	Wed	392/00 Out	USB	(AB/Lac)
E11	5-10	0745	14865	Thu	228/00 Out	USB	(AB)
E11	5-10	0820	7670	Thu	431/00 Out	USB	(AB/Lac/PY)
E11	5-10	0845	18168	Thu	152/00 Out	USB	(AB-POL/Lac)
E11	5-10	0930	6940	Thu	275/00 Out	USB	(AB-POL)
E11	5-10	1230	12530	Thu	335/00 Out	USB	(AB/MPJ)
E11	5-10	1300	5371	Thu	310/00 Out	USB	(AB)
E11	5-10	1530	10330	Thu	262/00 Out	USB	(AB/MPJ)
E11	5-10	1730	7864	Thu	414/00 Out	USB	(AB)
E11	5-10	2000	5737	Thu	527/00 Out	USB	(AB)
E11	6-10	0600	8680	Fri	359/00 Out	USB	(AB/Lac)
E11	6-10	0700	8180	Fri	576/00 Out	USB	(AB/Lac)
E11	6-10	0820	6807	Fri	436/00 Out	USB	(Lac/PY)
E11	6-10	0830	20170	Fri	182/00 Out	USB	(AB-POL/Lac)
E11	6-10	1000	9951	Fri	307/00 Out	USB	(AB)
E11	6-10	1815	11116	Fri	920/00 Out	USB	(AB/MPJ/Lac)
E11	6-10	1910	8530	Fri	610/00 Out	USB	(AB/Lac)
E11	7-10	0700	9079	Sat	491/00 Out	USB	(AB/Lac)
E11	7-10	1430	14972	Sat	917/00 Out	USB	(AB/Lac)
E11	7-10	1530	4505	Sat	360/00 Out	USB	(AB/Lac)
E11	7-10	1910	4181	Sat	390/00 Out	USB	(AB/Lac)
E11	8-10	0600	8680	Sun	352/00 Out	USB	(AB/Lac)
E11	8-10	0700	9079	Sun	491/00 Out	USB	(AB)
E11	8-10	1530	4505	Sun	369/00 Out	USB	(AB)
E11	8-10	1605	5176	Sun	231/00 Out	USB	(AB)
E11	8-10	1745	13470	Sun	249/00 Out	USB	(AB/MPJ)
E11	8-10	1815	11116	Sun	925/00 Out	USB	(AB/MPJ)
E11	8-10	1910	8530	Sun	618/00 Out	USB	(AB)
E11	8-10	2000	5737	Sun	524/00 Out	USB	(AB)
E11	9-10	0715	15632	Mon	751/00 Out	USB	(AB)
E11	9-10	0745	10213	Mon	261/00 Out	USB	(AB)
E11	9-10	0830	20170	Mon	188/00 Out	USB	(AB/Lac)
E11	9-10	0845	12202	Mon	718/00 Out	USB	(AB)
E11	9-10	0900	9968	Mon	534/00 Out	USB	(AB/Lac)
E11	9-10	1045	10200	Mon	692/00 Out	USB	(AB)

E11	9-10	1300	5371	Mon	Test tone at 1250z, nothing else heard	USB	(AB)
E11	9-10	1900	7317	Mon	641/00 Out	USB	(AB)
E11	10-10	0645	8423	Tue	518/00 Out	USB	(AB)
E11	10-10	0700	8180	Tue	579/00 Out	USB	(AB)
E11	10-10	0715	9963	Tue	633/00 Out	USB	(AB)
E11	10-10	0745	14865	Tue	220/00 Out	USB	(AB)
E11	10-10	0845	18168	Tue	152/00 Out	USB	(AB)
E11	10-10	1000	9951	Tue	305/00 Out	USB	(AB)
E11	10-10	1205	9399	Tue	466/00 Out	USB	(AB)
E11	10-10	1605	5176	Tue	237/00 Out	USB	(AB)
E11	11-10	0715	15632	Wed	750/00 Out	USB	(AB)
E11	11-10	0745	17410	Wed	344/00 Out	USB	(AB)
E11	11-10	0845	12202	Wed	716/00 Out	USB	(AB/Lac)
E11	11-10	0900	9968	Wed	530/00 Out	USB	(AB/Lac)
E11	11-10	0930	6940	Wed	271/00 Out	USB	(AB-POL/Lac)
E11	11-10	1045	10200	Wed	690/00 Out	USB	(AB/MPJ)
E11	11-10	1205	9399	Wed	461/00 Out	USB	(AB/Lac)
E11	11-10	1715	6923	Wed	977/00 Out	USB	(AB/MPJ/Lac)
E11	11-10	1910	4181	Wed	392/00 Out	USB	(AB/Lac)
E11	12-10	0645	8423	Thu	510/00 Out	USB	(AB/Lac)
E11	12-10	0745	14865	Thu	229/00 Out	USB	(AB/Lac)
E11	12-10	0820	6807	Thu	434/00	USB	(Lac/PY)
E11	12-10	0845	18168	Thu	159/00 Out	USB	(AB/Lac)
E11	12-10	0930	6940	Thu	276/00 Out	USB	(AB/Lac)
E11	12-10	1300	5371	Thu	310/00 Out	USB	(AB/Lac)
E11	12-10	1530	10330	Thu	262/00 Out	USB	(AB/MPJ)
E11	12-10	1900	7317	Thu	648/00 Out	USB	(AB)
E11	12-10	2000	5737	Thu	521/00 Out	USB	(AB)
E11	13-10	0600	8680	Fri	351/00 Out	USB	(AB)
E11	13-10	0700	8180	Fri	579/00 Out	USB	(AB)
E11	13-10	0715	9963	Fri	639/00 Out	USB	(AB)
E11	13-10	0745	17410	Fri	343/00 Out	USB	(AB)
E11	13-10	0820	6807	Fri	438/00 Out	USB	(PY)
E11	13-10	0830	20170	Fri	188/00 Out	USB	(AB-POL/Lac)
E11	13-10	0830	20170	Fri	188/00	USB	(Lac)
E11	13-10	1000	9951	Fri	300/00 Out	USB	(AB)
E11	13-10	1715	6923	Fri	974/00 Out	USB	(AB)
E11	13-10	1815	11116	Fri	926/00 Out	USB	(AB)
E11	14-10	1530	4505	Sat	368/00 Out	USB	(AB)
E11	14-10	1910	4181	Sat	395/00 Out	USB	(AB)
E11	15-10	0600	8680	Sun	355/00 Out	USB	(AB)
E11	15-10	1530	4505	Sun	368/00 Out	USB	(AB)

E11	15-10	1605	5176	Sun	236/00 Out	USB	(AB)
E11	15-10	1815	11116	Sun	925/00 Out	USB	(AB)
E11	15-10	2000	5737	Sun	525/00 Out	USB	(AB)
E11	16-10	0315	11581	Mon	253/00 Out	USB	(AB-POL)
E11	16-10	0450	5371	Mon	412/00 Out	USB	(AB/HFD)
E11	16-10	0600	19515	Mon	948/00 Out	USB	(AB)
E11	16-10	0745	10213	Mon	260/00 Out	USB	(AB)
E11	16-10	0845	12202	Mon	718/00 Out	USB	(AB)
E11	16-10	1300	5371	Mon	315/00 Out	USB	(AB)
E11	16-10	1745	13470	Mon	244/00 Out	USB	(AB)
E11	16-10	1900	7317	Mon	644/00 Out	USB	(AB)
E11	17-10	0645	8423	Tue	517/00 Out	USB	(AB)
E11	17-10	0700	8180	Tue	577/00 Out	USB	(AB)
E11	17-10	0715	9963	Tue	631/00 Out	USB	(AB)
E11	17-10	0820	19184	Tue	131/00 Out	USB	(AB/Lac)
E11	17-10	1205	9399	Tue	469/00 Out	USB	(AB/Lac)
E11	17-10	1230	12530	Tue	332/00 Out	USB	(AB)
E11	17-10	1430	14972	Tue	914/00 Out	USB	(AB/Lac)
E11	17-10	1605	5176	Tue	235/00 Out	USB	(AB/Lac)
E11	18-10	0315	11581	Wed	251/00 Out	USB	(AB-POL)
E11	18-10	0745	17410	Wed	346/00 Out	USB	(AB)
E11	18-10	0820	19184	Wed	132/00 Out	USB	(AB-POL/Lac)
E11	18-10	0845	12202	Wed	710/00 Out	USB	(AB)
E11	18-10	0930	6940	Wed	279/00 Out	USB	(AB-POL)
E11	18-10	1205	9399	Wed	460/00 Out	USB	(AB)
E11	18-10	1715	6923	Wed	977/00 Out	USB	(AB)
E11	19-10	0645	8423	Thu	511/00 Out	USB	(AB/Lac)
E11	19-10	0930	6940	Thu	276/00 Out	USB	(AB/Lac)
E11	19-10	1230	12530	Thu	334/00 Out	USB	(AB/Lac)
E11	19-10	1300	5371	Thu	314/00 Out	USB	(AB/Lac)
E11	19-10	1530	10330	Thu	266/00 Out	USB	(AB)
E11	19-10	1730	7864	Thu	414/00 Out	USB	(AB/Lac)
E11	19-10	1900	7317	Thu	648/00 Out	USB	(AB/Lac)
E11	20-10	0600	8680	Fri	359/00 Out	USB	(AB)
E11	20-10	0700	8180	Fri	570/00 Out	USB	(AB)
E11	20-10	0715	9963	Fri	634/00 Out	USB	(AB)
E11	20-10	0745	17410	Fri	348/00 Out	USB	(AB)
E11	20-10	1715	6923	Fri	970/00 Out	USB	(AB/Lac)
E11	20-10	1910	8530	Fri	612/00 Out	USB	(AB)
E11	21-10	0700	9079	Sat	495/00 Out	USB	(AB)
E11	21-10	1430	14972	Sat	912/00 Out	USB	(AB/MPJ)
E11	22-10	0600	8680	Sun	352/00 Out	USB	(AB)

E11	22-10	0700	9079	Sun	498/00 Out	USB	(AB)
E11	22-10	1605	5176	Sun	231/00 Out	USB	(AB)
E11	22-10	1745	13470	Sun	248/00 Out	USB	(AB/MPJ)
E11	22-10	1910	8530	Sun	611/00 Out	USB	(AB)
E11	23-10	0315	11581	Mon	253/00 Out	USB	(AB-POL/HFD)
E11	23-10	0450	5371	Mon	410/00 Out	USB	(AB)
E11	23-10	0600	19515	Mon	941/00 Out	USB	(AB-POL)
E11	23-10	0715	15632	Mon	757/00 Out	USB	(AB/Lac)
E11	23-10	0830	20170	Mon	180/00 Out	USB	(AB/Lac)
E11	23-10	0900	9968	Mon	533/00 Out	USB	(AB/Lac)
E11	23-10	1045	10200	Mon	690/00 Out	USB	(AB/Lac)
E11	23-10	1745	13470	Mon	244/00 Out	USB	(AB/Lac)
E11	23-10	1900	7317	Mon	646/00 Out	USB	(AB/Lac)
E11	24-10	0645	8423	Tue	514/00 Out	USB	(AB/Lac)
E11	24-10	0715	9963	Tue	636/00 Out	USB	(AB)
E11	24-10	0745	14865	Tue	223/00 Out	USB	(AB)
E11	24-10	0820	19184	Tue	133/00 Out	USB	(AB/Lac)
E11	24-10	0845	18168	Tue	156/00 Out	USB	(AB/Lac)
E11	24-10	1000	9951	Tue	308/00 Out	USB	(AB/Lac)
E11	24-10	1230	12530	Tue	338/00 Out	USB	(AB/Lac)
E11	24-10	1430	14972	Tue	918/00 Out	USB	(AB/Lac)
E11	25-10	0315	11581	Wed	253/00 Out	USB	(AB-POL)
E11	25-10	0715	15632	Wed	754/00 Out	USB	(AB/Lac)
E11	25-10	0745	17410	Wed	340/00 Out	USB	(AB/Lac)
E11	25-10	0820	19184	Wed	132/00 Out	USB	(AB-POL/Lac)
E11	25-10	0900	9968	Wed	536/00 Out	USB	(AB/Lac)
E11	25-10	1045	10200	Wed	698/00 Out	USB	(AB/Lac)
E11	25-10	1715	6923	Wed	977/00 Out	USB	(AB/Lac)
E11	25-10	1910	4181	Wed	390/00 Out	USB	(AB/Lac)
E11	26-10	0645	8423	Thu	517/00 Out	USB	(AB/Lac)
E11	26-10	0745	14865	Thu	221/00 Out	USB	(AB/Lac)
E11	26-10	0820	6807	Thu	438/00 Out	USB	(AB/Lac/PY)
E11	26-10	0845	18168	Thu	151/00 Out	USB	(AB/Lac)
E11	26-10	1230	12530	Thu	337/00 Out	USB	(AB/Lac)
E11	26-10	1730	7864	Thu	414/00 Out	USB	(AB/Lac)
E11	26-10	1900	7317	Thu	644/00 Out	USB	(AB/Lac)
E11	26-10	2000	5737	Thu	527/00 Out	USB	(AB/Lac)
E11	27-10	0715	9963	Fri	639/00 Out	USB	(AB)
E11	27-10	0745	17410	Fri	348/00 Out	USB	(AB/Lac)
E11	27-10	0820	6807	Fri	436/00 Out	USB	(AB/Lac/PY)
E11	27-10	0830	20170	Fri	188/00 Out	USB	(AB-POL/Lac)
E11	27-10	1000	9951	Fri	305/00 Out	USB	(AB/Lac)

E11	27-10	1715	6923	Fri	975/00 Out	USB	(AB)
E11	27-10	1815	11116	Fri	924/00 Out	USB	(AB)
E11	27-10	1910	8530	Fri	618/00 Out	USB	(AB)
E11	28-10	0700	9079	Sat	492/00 Out	USB	(AB)
E11	28-10	1430	14972	Sat	912/00 Out	USB	(AB)
E11	28-10	1530	4505	Sat	363/00 Out	USB	(AB)
E11	28-10	1910	4181	Sat	396/00 Out	USB	(AB)
E11	29-10	0700	9079	Sun	490/00 Out	USB	(AB)
E11	29-10	1530	4505	Sun	364/00 Out	USB	(AB)
E11	29-10	1745	13470	Sun	247/00 Out	USB	(AB)
E11	29-10	1815	11116	Sun	927/00 Out	USB	(AB)
E11	29-10	1910	8530	Sun	613/00 Out	USB	(AB)
E11	29-10	2000	5737	Sun	522/00 Out	USB	(AB)
E11	30-10	0315	11581	Mon	255/00 Out	USB	(TM)
E11	30-10	0450	5371	Mon	411/00 Out	USB	(TM)
E11	30-10	0600	19515	Mon	941/00 Out	USB	(TM)
E11	30-10	0715	15632	Mon	750/00 Out	USB	(AB)
E11	30-10	0745	10213	Mon	266/00 Out	USB	(AB)
E11	30-10	0830	20170	Mon	184/00 Out	USB	(AB-POL)
E11	30-10	0845	12202	Mon	714/00 Out	USB	(AB)
E11	30-10	0900	9968	Mon	536/00 Out	USB	(AB)
E11	30-10	1045	10200	Mon	696/00 Out	USB	(AB)
E11	30-10	1300	5371	Mon	316/00 Out	USB	(AB)
E11	30-10	1745	13470	Mon	245/00 Out	USB	(AB)
E11	30-10	1900	7317	Mon	641/00 Out	USB	(AB)
E11	31-10	0645	8423	Tue	519/00 Out	USB	(AB/Lac)
E11	31-10	0715	9963	Tue	635/00 Out	USB	(AB/Lac)
E11	31-10	0745	14865	Tue	229/00 Out	USB	(AB/Lac)
E11	31-10	0820	19184	Tue	132/00 Out	USB	(AB)
E11	31-10	0845	18168	Tue	159/00 Out	USB	(AB)
E11	31-10	1000	9951	Tue	305/00 Out	USB	(AB)
E11	31-10	1205	9399	Tue	463/00 Out	USB	(AB)
E11	31-10	1230	12530	Tue	331/00 Out	USB	(AB)
E11	31-10	1430	14972	Tue	915/00 Out	USB	(AB/MPJ)
E11	31-10	1605	5176	Tue	230/00 Out	USB	(AB)
E11a	2-10	1900	7317	Mon	640/36 Attention 28028 38496 66921 ... 31085 63169 63313 Attention (msg rptd) Out	USB	(AB)
E11a	3-10	0645	8423	Tue	519/34 Attention 03513 94244 06403 ... 89982 11397 96827 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	3-10	0715	9963	Tue	635/34 Attention 75591 48460 99625 ... 26611 23677 87636 Attention (msg rptd) Out	USB	(Lac)
E11a	4-10	1715	6923	Wed	976/37 Attention 67490 14334 27649 ... 59806 39451 09750 Attention (msg rptd) Out	USB	(AB/MPJ/Lac)
E11a	5-10	0645	8423	Thu	519/34 Attention 03513 94244 06403 ... 89982 11397 96827 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	5-10	1900	7317	Thu	640/36 Attention 28028 38496 66921 ... 31085 63169 63313 Attention (msg rptd) Out	USB	(AB)
E11a	6-10	0715	9963	Fri	635/34 Attention 75591 48460 99625 ... 26611 23677 87636 Attention (msg rptd) Out	USB	(AB/Lac)

E11a	6-10	0745	17410	Fri	340/36 Attention 33099 89283 06380 ... 23368 00512 64431 Attention (msg rptd) Out	USB	(AB-POL/Lac)
E11a	6-10	1715	6923	Fri	976/37 Attention 67490 14334 27649 ... 59806 39451 09750 Attention (msg rptd) Out	USB	(AB/MPJ/Lac)
E11a	9-10	0315	11581	Mon	259/33 Attention 25654 05983 18042 ... 79404 36891 00816 Attention (msg rptd) Out	USB	(AB-POL)
E11a	9-10	0450	5371	Mon	410/35 Attention 84113 62664 96611 ... 57365 31549 70649 Attention (msg rptd) Out	USB	(AB)
E11a	9-10	1745	13470	Mon	248/30 Attention 83451 72347 82339 ... 78073 23211 95158 Attention (msg rptd) Out	USB	(AB)
E11a	10-10	0820	19184	Tue	134/37 Attention 25159 56718 76033 ... 66508 04636 46676 Attention (msg rptd) Out	USB	(AB)
E11a	10-10	1230	12530	Tue	338/34 Attention 06483 21402 33672 ... 33500 59930 66292 Attention (msg rptd) Out	USB	(AB)
E11a	10-10	1430	14972	Tue	915/38 Attention 27299 93640 32437 ... 06205 40378 12303 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	11-10	0315	11581	Wed	259/33 Attention 25654 05983 18042 ... 79404 36891 00816 Attention (msg rptd) Out	USB	(AB-POL)
E11a	11-10	0820	19184	Wed	134/37 Attention 25159 56718 76033 ... 66508 04636 46676 Attention (msg rptd) Out	USB	(AB-POL/Lac)
E11a	12-10	1230	12530	Thu	338/34 Attention 06483 21402 33672 ... 33500 59930 66292 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	12-10	1730	7864	Thu	410/35 Attention 84113 62664 96611 ... 57365 31549 70649 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	13-10	1910	8530	Fri	610/35 Attention 12920 92220 14299 ... 38607 37595 44518 Attention (msg rptd) Out	USB	(AB)
E11a	14-10	0700	9079	Sat	496/39 Attention 47047 13016 11536 ... 74701 58723 23726 Attention (msg rptd) Out	USB	(AB)
E11a	14-10	1430	14972	Sat	915/38 Attention 27299 93640 32437 ... 06205 40378 12303 Attention (msg rptd) Out	USB	(AB)
E11a	15-10	0700	9079	Sun	496/39 Attention 47047 13016 11536 ... 74701 58723 23726 Attention (msg rptd) Out	USB	(AB)
E11a	15-10	1745	13470	Sun	248/30 Attention 83451 72347 82339 ... 78073 23211 95158 Attention (msg rptd) Out	USB	(AB)
E11a	15-10	1910	8530	Sun	610/35 Attention 12920 92220 14299 ... 38607 37595 44518 Attention (msg rptd) Out	USB	(AB)
E11a	16-10	0715	15632	Mon	751/32 Attention 18124 09679 59766 ... 13034 12669 54939 Attention (msg rptd) Out	USB	(AB)
E11a	16-10	0830	20170	Mon	180/24 Attention 33237 79677 70674 ... 67140 71050 42891 Attention (msg rptd) Out	USB	(AB)
E11a	16-10	0900	9968	Mon	534/34 Attention 62129 95390 23276 ... 64636 73142 36289 Attention (msg rptd) Out	USB	(AB)
E11a	16-10	1045	10200	Mon	693/29 Attention 87153 27228 86785 ... 57763 00397 99189 Attention (msg rptd) Out	USB	(AB)
E11a	17-10	0745	14865	Tue	229/36 Attention 21796 61722 38691 ... 21790 62016 88326 Attention (msg rptd) Out	USB	(AB)
E11a	17-10	0845	18168	Tue	159/26 Attention 91262 67365 77820 ... 92682 65796 43067 Attention (msg rptd) Out	USB	(AB)
E11a	17-10	1000	9951	Tue	305/34 Attention 10065 85930 81794 ... 06743 41399 72787 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	18-10	0715	15632	Wed	751/32 Attention 18124 09679 59766 ... 13034 12669 54939 Attention (msg rptd) Out	USB	(AB)
E11a	18-10	0900	9968	Wed	534/34 Attention 62129 95390 23276 ... 64636 73142 36289 Attention (msg rptd) Out	USB	(AB)
E11a	18-10	1045	10200	Wed	693/29 Attention 87153 27228 86785 ... 57763 00397 99189 Attention (msg rptd) Out	USB	(AB)
E11a	18-10	1910	4181	Wed	394/32 Attention 74668 61476 16878 ... 84911 85365 04808 Attention (msg rptd) Out	USB	(AB)
E11a	19-10	0745	14865	Thu	229/36 Attention 21796 61722 38691 ... 21790 62016 88326 Attention (msg rptd) Out	USB	(AB)
E11a	19-10	0820	6807	Thu	430/39 Attention 78487 85202 30118 ... 06643 41434 67574 Attention (msg rptd) Out	USB	(EL/Lac)
E11a	19-10	0845	18168	Thu	159/26 Attention 91262 67365 77820 ... 92682 65796 43067 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	19-10	2000	5737	Thu	520/37 Attention 89924 59578 76137 ... 27515 90276 65350 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	20-10	0820	6807	Fri	430/39 Attention 78487 85202 30118 ... 06643 41434 67574 Attention (msg rptd) Out	USB	(PY/Lac)
E11a	20-10	0830	20170	Fri	180/24 Attention 33237 79677 70674 ... 67140 71050 42891 Attention (msg rptd) Out	USB	(AB-POL)
E11a	20-10	1000	9951	Fri	305/34 Attention 10065 85930 81794 ... 06743 41399 72787 Attention (msg rptd) Out	USB	(AB)
E11a	20-10	1815	11116	Fri	929/35 Attention 93221 23051 40677 ... 44094 89021 75890 Attention (msg rptd) Out	USB	(AB)
E11a	21-10	1530	4505	Sat	364/37 Attention 33224 54030 00552 ... 65892 07037 92013 Attention (msg rptd) Out	USB	(AB)
E11a	21-10	1910	4181	Sat	394/32 Attention 74668 61476 16878 ... 84911 85365 04808 Attention (msg rptd) Out	USB	(AB)
E11a	22-10	1530	4505	Sun	364/37 Attention 33224 54030 00552 ... 65892 07037 92013 Attention (msg rptd) Out	USB	(AB)
E11a	22-10	1815	11116	Sun	929/35 Attention 93221 23051 40677 ... 44094 89021 75890 Attention (msg rptd) Out	USB	(AB)
E11a	22-10	2000	5737	Sun	520/37 Attention 89924 59578 76137 ... 27515 90276 65350 Attention (msg rptd) Out	USB	(AB)

E11a	23-10	0745	10213	Mon	264/32 Attention 56767 64199 62907 ... 43688 02383 17716 Attention (msg rptd) Out	USB	(AB)
E11a	23-10	0845	12202	Mon	710/32 Attention 79662 38354 11067 ... 27719 98628 37922 Attention (msg rptd) Out	USB	(AB)
E11a	23-10	1300	5371	Mon	313/31 Attention 02761 13396 44403 ... 34415 37979 44241 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	24-10	0700	8180	Tue	574/31 Attention 61196 91051 22848 ... 71564 70507 03954 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	24-10	1205	9399	Tue	469/37 Attention 81640 47537 74360 ... 32006 90395 45622 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	24-10	1605	5176	Tue	235/32 Attention 99024 74796 33093 ... 19464 66290 50716 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	25-10	0845	12202	Wed	710/32 Attention 69662 38354 11067 ... 27719 98628 37922 Attention (msg rptd) Out	USB	(AB/Tel/Lac)
E11a	25-10	0930	6940	Wed	276/34 Attention 21928 22732 10184 ... 43739 08950 77253 Attention (msg rptd) Out	USB	(AB-POL/Lac)
E11a	25-10	1205	9399	Wed	469/37 Attention 81640 47537 74360 ... 32006 90395 45622 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	26-10	0930	6940	Thu	276/34 Attention 21928 22732 10184 ... 43739 08950 77253 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	26-10	1300	5371	Thu	313/31 Attention 02761 13396 44403 ... 34415 37979 44241 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	26-10	1530	10330	Thu	264/32 Attention 56767 64199 62907 ... 43688 02383 17716 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	27-10	0600	8680	Fri	351/36 Attention 25261 10952 80694 ... 25041 46461 01538 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	27-10	0700	8180	Fri	574/31 Attention 61196 91051 22848 ... 71564 70507 03954 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	29-10	0600	8680	Sun	351/36 Attention 25261 10952 80694 ... 25041 46461 01538 Attention (msg rptd) Out	USB	(AB)
E11a	29-10	1605	5176	Sun	235/32 Attention 99024 74796 33093 ... 19464 66290 50716 Attention (msg rptd) Out	USB	(AB)
EGY	18-10	1124	17416.7	Wed	Egyptian diplo. Encrypted message i.p.	SITOR-A 100/170	(AB)
EGY	18-10	1622	20026.7	Wed	Egyptian diplo. Encrypted traffic i.p.	SITOR-A 100/170	(AB)
EGY	21-10	0854	17446.7	Sat	MFA Cairo clg XBVBX: Egyptian embassy Bucharest	SITOR-A 100/170	(AB)
F01	2-10	1015	11129	Mon	Russian diplo/intel. 53257 16628 89228 ... 86512 37155 93425 00000 +++++ +++++	FSK 200/500	(AB)
F01	2-10	1025	9082	Mon	Russian diplo/intel. 53257 16628 89228 ... 86512 37155 93425 00000 +++++ +++++	FSK 200/500	(AB)
F01	2-10	1035	7344	Mon	Russian diplo/intel. 53257 16628 89228 ... 86512 37155 93425 00000 +++++ +++++	FSK 200/500	(AB)
F01	3-10	1015	11129	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	3-10	1025	9082	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	3-10	1035	7344	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	4-10	1015	11129	Wed	Russian diplo/intel. 40374 42735 75050 30916 98573 96417 00000 +++++	FSK 200/500	(AB)
F01	4-10	1025	9082	Wed	Russian diplo/intel. 40374 42735 75050 30916 98573 96417 00000 +++++	FSK 200/500	(AB)
F01	4-10	1035	7344	Wed	Russian diplo/intel. 40374 42735 75050 30916 98573 96417 00000 +++++	FSK 200/500	(AB)
F01	4-10	1840	11136	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/MPJ)
F01	4-10	1850	9074	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/MPJ)
F01	4-10	1900	7723	Wed	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB/MPJ)
F01	5-10	1015	11129	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/MPJ-AUT)
F01	5-10	1025	9082	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	5-10	1035	7344	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	6-10	1015	11129	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	6-10	1025	9082	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	6-10	1035	7344	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	9-10	1015	11129	Mon	Russian diplo/intel. 60447 05717 18068 ... 76803 11779 99401 00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	9-10	1025	9082	Mon	Russian diplo/intel. 60447 05717 18068 ... 76803 11779 99401 00000 +++++ +++++	FSK 200/500	(AB-POL/HFD)
F01	9-10	1035	7344	Mon	Russian diplo/intel. 60447 05717 18068 ... 76803 11779 99401 00000 +++++ +++++	FSK 200/500	(AB-POL/HFD-RUS)
F01	10-10	1015	11129	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10-10	1025	9082	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)

F01	10-10	1035	7344	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	11-10	1015	11129	Wed	Russian diplo/intel. 61912 26112 51800 ... 95756 75027 03431 00000 +++++ +++++	FSK 200/500	(AB)
F01	11-10	1025	9082	Wed	Russian diplo/intel. 61912 26112 51800 ... 95756 75027 03431 00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	11-10	1035	7344	Wed	Russian diplo/intel. 61912 26112 51800 ... 95756 75027 03431 00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	12-10	1015	11129	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12-10	1025	9082	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12-10	1035	7344	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	13-10	1015	11129	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	13-10	1025	9082	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	13-10	1035	7344	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	16-10	1015	11129	Mon	Russian diplo/intel. 48153 39516 60996 ... 85569 65289 06423 00000 +++++	FSK 200/500	(AB)
F01	16-10	1025	9082	Mon	Russian diplo/intel. 48153 39516 60996 ... 85569 65289 06423 00000 +++++	FSK 200/500	(AB-FIN)
F01	16-10	1035	7344	Mon	Russian diplo/intel. 48153 39516 60996 ... 85569 65289 06423 00000 +++++	FSK 200/500	(AB-POL)
F01	17-10	1015	11129	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	17-10	1025	9082	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	17-10	1035	7344	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	18-10	1015	11129	Wed	Russian diplo/intel. 22438 20423 06332 ... 62908 86031 09413 00000 +++++ +++++	FSK 200/500	(AB)
F01	18-10	1025	9082	Wed	Russian diplo/intel. 22438 20423 06332 ... 62908 86031 09413 00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	18-10	1035	7344	Wed	Russian diplo/intel. 22438 20423 06332 ... 62908 86031 09413 00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	19-10	1015	11129	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	19-10	1025	9082	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	19-10	1035	7344	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-POL)
F01	20-10	1015	11129	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	20-10	1025	9082	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	20-10	1035	7344	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	23-10	1015	11129	Mon	Russian diplo/intel. 22392 04955 23839 ... 97647 49779 12435 00000 +++++	FSK 200/500	(AB)
F01	23-10	1025	9082	Mon	Russian diplo/intel. 22392 04955 23839 ... 97647 49779 12435 00000 +++++	FSK 200/500	(AB-FIN)
F01	23-10	1035	7344	Mon	Russian diplo/intel. 22392 04955 23839 ... 97647 49779 12435 00000 +++++	FSK 200/500	(AB-POL)
F01	24-10	1015	11129	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	24-10	1025	9082	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	24-10	1035	7344	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	25-10	1015	11129	Wed	Russian diplo/intel. 40026 00255 57595 ... 08474 38941 15419 00000 +++++ +++++	FSK 200/500	(AB)
F01	25-10	1025	9082	Wed	Russian diplo/intel. 40026 00255 57595 ... 08474 38941 15419 00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	25-10	1035	7344	Wed	Russian diplo/intel. 40026 00255 57595 ... 08474 38941 15419 00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	26-10	1015	11129	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	26-10	1025	9082	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	26-10	1035	7344	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB-POL)
F01	27-10	1015	11129	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	27-10	1025	9082	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	27-10	1035	7344	Fri	Russian diplo/intel. 5761 00000 +++++ +++++	FSK 200/500	(AB)
F01	30-10	1015	11129	Mon	Russian diplo/intel. 31310 95165 79705 ... 68958 39532 18439 00000 +++++ +++++ +++++	FSK 200/500	(AB)
F01	30-10	1025	9082	Mon	Russian diplo/intel. 31310 95165 79705 ... 68958 39532 18439 00000 +++++ +++++ +++++	FSK 200/500	(AB-FIN)

F01	30-10	1035	7344	Mon	Russian diplo/intel. 31310 95165 79705 ... 68958 39532 18439 00000 +++++ +++++ +++++	FSK 200/500	(AB-POL)
F01	31-10	1015	11129	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	31-10	1025	9082	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F01	31-10	1035	7344	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB-RUS)
F02	3-10	0700	19182	Tue	Russian domestic net. Long transmission 1h14m	MFSK-4/150Bd/4000Hz	(AB)
F02	3-10	0830	16230	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	3-10	0850	18520	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	6-10	0830	16230	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	9-10	0830	12198	Mon	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	10-10	0700	19182	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	10-10	0712	16123	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	10-10	0730	10651	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	10-10	0817	16230	Tue	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	10-10	0830	16230	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	10-10	0830	17467	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	13-10	0830	16230	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	17-10	0810	12155	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	17-10	0810	13395	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	18-10	0739	13807	Wed	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	18-10	0810	12155	Wed	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	18-10	0810	13395	Wed	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	18-10	0810	13395	Wed	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	18-10	0824	13807	Wed	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	18-10	0830	13807	Wed	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	18-10	0840	13807	Wed	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	18-10	0900	17427	Wed	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	20-10	0830	16230	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	20-10	0830	17467	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	24-10	0620	17423	Tue	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	24-10	0700	20441	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	24-10	0816	16230	Tue	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	24-10	0830	16230	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	24-10	0830	17467	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	27-10	0817	17467	Fri	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	27-10	0830	16230	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	27-10	0830	17467	Fri	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	30-10	1006	16249	Mon	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	30-10	1020	16249	Mon	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	31-10	0700	18635	Tue	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	31-10	0700	20441	Tue	Russian domestic net. Test	MFSK-4/150Bd/4000Hz	(AB)
F02	31-10	0710	16123	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F02	31-10	0830	16230	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)

F02	31-10	0830	17467	Tue	Russian domestic net	MFSK-4/150Bd/4000Hz	(AB)
F03j	2-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	2-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	3-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	3-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(PY)
F03j	4-10	0950	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(kodar)
F03j	4-10	0955	4828	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(kodar)
F03j	5-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-10	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	23-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-10	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	26-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	28-10	0840	18030	Sat	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	30-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	30-10	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB/PY)
F03j	30-10	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03I	2-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	2-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	2-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	2-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	2-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	2-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	2-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	2-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	3-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	3-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	3-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	4-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	4-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	4-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-10	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	4-10	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	5-10	0435	24120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	5-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	5-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	5-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-10	0800	9049	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	5-10	0805	9049	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	5-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	5-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ/PY)
F03I	5-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ/PY)
F03I	6-10	0800	8423	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	6-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	6-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	6-10	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	6-10	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ/PY)
F03I	6-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	9-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	9-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	10-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	10-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	11-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-10	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	11-10	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/MPJ)
F03I	12-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	18-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	18-10	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	23-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	23-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	23-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-10	0430	24120	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	25-10	0435	24120	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	25-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	25-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	25-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	25-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	25-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-10	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/Tel)
F03I	25-10	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-10	0430	24120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	26-10	0430	24120	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	26-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	26-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	26-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	26-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	26-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	26-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	26-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	26-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	27-10	0800	8423	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	27-10	0815	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(PY)
F03I	27-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	27-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-10	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	27-10	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	27-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	30-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	0810	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	30-10	0810	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL/PY)
F03I	30-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	30-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	30-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	30-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	31-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	31-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB/PY)
F03I	31-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	1-10	1530	18957	Sun	Russian diplo/intel. 11166 10053 24681 01001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	1-10	1540	16317	Sun	Russian diplo/intel. 11166 10053 24681 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	1-10	1550	12217	Sun	Russian diplo/intel. 11166 10053 24681 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-10	0400	6848	Mon	Russian diplo/intel. 11166 70059 12457 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	2-10	0410	5433	Mon	Russian diplo/intel. 11166 70059 12457 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-10	0420	4840	Mon	Russian diplo/intel. 11166 70059 12457 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-10	0700	10541	Mon	Russian diplo/intel. 11166 70202 51327 29032 02739	FSK 200/1000	(AB)
F06	2-10	0710	8113	Mon	Russian diplo/intel. 11166 70202 51327 29032 02739	FSK 200/1000	(AB-RUS)
F06	2-10	0720	6791	Mon	Russian diplo/intel. 11166 70202 51327 29032 02739	FSK 200/1000	(AB-RUS)
F06	2-10	0800	11128	Mon	Russian diplo/intel. 11100 00000 48367 29008 01139	FSK 200/1000	(PY)
F06	2-10	0810	9446	Mon	Russian diplo/intel. 11100 00000 48367 29008 01139	FSK 200/1000	(PY)
F06	2-10	0820	7453	Mon	Russian diplo/intel. 11100 00000 48367 29008 01139	FSK 200/1000	(PY)
F06	2-10	1200	11173	Mon	Russian diplo/intel. 11166 70202 51327 29032 02739	FSK 200/1000	(AB)
F06	2-10	1210	9246	Mon	Russian diplo/intel. 11166 70202 51327 29032 02739	FSK 200/1000	(AB)
F06	2-10	1220	7611	Mon	Russian diplo/intel. 11166 70202 51327 29032 02739	FSK 200/1000	(AB)
F06	3-10	0700	10541	Tue	Russian diplo/intel. 11166 70202 64792 02033 01359 and 11166 70202 14758 02034 02239	FSK 200/1000	(AB)
F06	3-10	0710	8113	Tue	Russian diplo/intel. 11166 70202 64792 02033 01359 and 11166 70202 14758 02034 02239	FSK 200/1000	(AB-POL)
F06	3-10	0720	6791	Tue	Russian diplo/intel. 11166 70202 64792 02033 01359 and 11166 70202 14758 02034 02239	FSK 200/1000	(AB-RUS)
F06	3-10	0800	11128	Tue	Russian diplo/intel. 11100 00000 48367 29008 01139	FSK 200/1000	(AB)
F06	3-10	0810	9446	Tue	Russian diplo/intel. 11100 00000 48367 29008 01139	FSK 200/1000	(AB)
F06	3-10	0820	7453	Tue	Russian diplo/intel. 11100 00000 48367 29008 01139	FSK 200/1000	(AB)
F06	3-10	1200	11173	Tue	Russian diplo/intel. 11166 70202 64792 02033 01359 and 11166 70202 14758 02034 02239	FSK 200/1000	(AB)
F06	3-10	1210	9246	Tue	Russian diplo/intel. 11166 70202 64792 02033 01359 and 11166 70202 14758 02034 02239	FSK 200/1000	(AB)
F06	3-10	1220	7611	Tue	Russian diplo/intel. 11166 70202 64792 02033 01359 and 11166 70202 14758 02034 02239	FSK 200/1000	(AB-RUS)
F06	3-10	1230	16275	Tue	Russian diplo/intel. 11166 30154 35781 03069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	3-10	1240	12159	Tue	Russian diplo/intel. 11166 30154 35781 03069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	3-10	1250	10297	Tue	Russian diplo/intel. 11166 30154 35781 03069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	3-10	1650	16313	Tue	Russian diplo/intel. 11166 10053 12457 03091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-10	1700	12217	Tue	Russian diplo/intel. 11166 10053 12457 03091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-10	1710	11453	Tue	Russian diplo/intel. 11166 10053 12457 03091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-10	0600	19268	Wed	Russian diplo/intel. 11166 40122 56438 30076 03639	FSK 200/1000	(AB-KOR)
F06	4-10	0610	17548	Wed	Russian diplo/intel. 11166 40122 56438 30076 03639	FSK 200/1000	(AB-KOR)
F06	4-10	0620	15779	Wed	Russian diplo/intel. 11166 40122 56438 30076 03639	FSK 200/1000	(AB-KOR)
F06	4-10	0700	10541	Wed	Russian diplo/intel. 11166 70202 81327 03035 02859	FSK 200/1000	(AB)
F06	4-10	0710	8113	Wed	Russian diplo/intel. 11166 70202 81327 03035 02859	FSK 200/1000	(AB-POL)
F06	4-10	0720	6791	Wed	Russian diplo/intel. 11166 70202 81327 03035 02859	FSK 200/1000	(AB-RUS)
F06	4-10	1200	11173	Wed	Russian diplo/intel. 11166 70202 81327 03035 02859	FSK 200/1000	(AB/MPJ)
F06	4-10	1210	9246	Wed	Russian diplo/intel. 11166 70202 81327 03035 02859	FSK 200/1000	(AB/MPJ)
F06	4-10	1220	7611	Wed	Russian diplo/intel. 11166 70202 81327 03035 02859	FSK 200/1000	(AB-RUS/MPJ)
F06	4-10	1320	10249	Wed	Russian diplo/intel. 11166 60081 95412 04069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	5-10	0600	19268	Thu	Russian diplo/intel. 11166 40122 56438 30076 03639	FSK 200/1000	(AB-KOR)
F06	5-10	0610	17548	Thu	Russian diplo/intel. 11166 40122 56438 30076 03639	FSK 200/1000	(AB-KOR)
F06	5-10	0620	15779	Thu	Russian diplo/intel. 11166 40122 56438 30076 03639	FSK 200/1000	(AB-KOR)
F06	5-10	0700	10541	Thu	Russian diplo/intel. 11166 70202 12367 04036 01439 and 11166 70202 64512 04037 02199	FSK 200/1000	(AB)
F06	5-10	0710	8113	Thu	Russian diplo/intel. 11166 70202 12367 04036 01439 and 11166 70202 64512 04037 02199	FSK 200/1000	(AB-POL)
F06	5-10	0720	6791	Thu	Russian diplo/intel. 11166 70202 12367 04036 01439 and 11166 70202 64512 04037 02199	FSK 200/1000	(AB-RUS)

F06	5-10	1200	11173	Thu	Russian diplo/intel. 11166 70202 12367 04036 01439 and 11166 70202 64512 04037 02199	FSK 200/1000	(AB)
F06	5-10	1210	9246	Thu	Russian diplo/intel. 11166 70202 12367 04036 01439 and 11166 70202 64512 04037 02199	FSK 200/1000	(AB)
F06	5-10	1220	7611	Thu	Russian diplo/intel. 11166 70202 12367 04036 01439 and 11166 70202 64512 04037 02199	FSK 200/1000	(AB-RUS)
F06	5-10	1330	20321	Thu	Russian diplo/intel. 11166 80214 52317 04069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-10	1340	18629	Thu	Russian diplo/intel. 11166 80214 52317 04069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-10	1350	13983	Thu	Russian diplo/intel. 11166 80214 52317 04069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-10	0700	10541	Fri	Russian diplo/intel. 11166 70202 34789 06022 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-10	0710	8113	Fri	Russian diplo/intel. 11166 70202 34789 06022 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	6-10	0720	6791	Fri	Russian diplo/intel. 11166 70202 34789 06022 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	8-10	1530	18957	Sun	Russian diplo/intel. 11166 10053 16489 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8-10	1540	16317	Sun	Russian diplo/intel. 11166 10053 16489 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	8-10	1550	12217	Sun	Russian diplo/intel. 11166 10053 16489 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9-10	0700	10541	Mon	Russian diplo/intel. 11166 70202 69127 06038 02839	FSK 200/1000	(AB)
F06	9-10	0710	8113	Mon	Russian diplo/intel. 11166 70202 69127 06038 02839	FSK 200/1000	(AB-RUS)
F06	9-10	0720	6791	Mon	Russian diplo/intel. 11166 70202 69127 06038 02839	FSK 200/1000	(AB-RUS)
F06	9-10	0800	11128	Mon	Russian diplo/intel. 11100 00000 58721 06009 01159	FSK 200/1000	(PY)
F06	9-10	0810	9446	Mon	Russian diplo/intel. 11100 00000 58721 06009 01159	FSK 200/1000	(PY)
F06	9-10	0820	7453	Mon	Russian diplo/intel. 11100 00000 58721 06009 01159	FSK 200/1000	(PY)
F06	9-10	1200	11173	Mon	Russian diplo/intel. 11166 70202 69127 06038 02839	FSK 200/1000	(AB)
F06	9-10	1210	9246	Mon	Russian diplo/intel. 11166 70202 69127 06038 02839	FSK 200/1000	(AB)
F06	9-10	1220	7611	Mon	Russian diplo/intel. 11166 70202 69127 06038 02839	FSK 200/1000	(AB)
F06	10-10	0030	11617	Tue	Russian diplo/intel. 11166 60070 12457 10091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-10	0040	8193	Tue	Russian diplo/intel. 11166 60070 12457 10091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-10	0050	7481	Tue	Russian diplo/intel. 11166 60070 12457 10091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-10	0700	10541	Tue	Russian diplo/intel. 11166 70202 64751 09039 02079 and 11166 70202 06789 09040 01719	FSK 200/1000	(AB)
F06	10-10	0710	8113	Tue	Russian diplo/intel. 11166 70202 64751 09039 02079 and 11166 70202 06789 09040 01719	FSK 200/1000	(AB-POL)
F06	10-10	0720	6791	Tue	Russian diplo/intel. 11166 70202 64751 09039 02079 and 11166 70202 06789 09040 01719	FSK 200/1000	(AB-POL)
F06	10-10	0800	11128	Tue	Russian diplo/intel. 11100 00000 58721 06009 01159	FSK 200/1000	(AB)
F06	10-10	0810	9446	Tue	Russian diplo/intel. 11100 00000 58721 06009 01159	FSK 200/1000	(AB)
F06	10-10	0820	7453	Tue	Russian diplo/intel. 11100 00000 58721 06009 01159	FSK 200/1000	(AB)
F06	10-10	1200	11173	Tue	Russian diplo/intel. 11166 70202 64751 09039 02079 and 11166 70202 06789 09040 01719	FSK 200/1000	(AB)
F06	10-10	1210	9246	Tue	Russian diplo/intel. 11166 70202 64751 09039 02079 and 11166 70202 06789 09040 01719	FSK 200/1000	(AB)
F06	10-10	1220	7611	Tue	Russian diplo/intel. 11166 70202 64751 09039 02079 and 11166 70202 06789 09040 01719	FSK 200/1000	(AB-RUS)
F06	10-10	1230	16275	Tue	Russian diplo/intel. 11166 30154 12547 10101 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	10-10	1230	16275	Tue	Russian diplo/intel. 11166 30154 12547 10101 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	10-10	1240	12159	Tue	Russian diplo/intel. 11166 30154 12547 10101 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	10-10	1240	12159	Tue	Russian diplo/intel. 11166 30154 12547 10101 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	10-10	1250	10297	Tue	Russian diplo/intel. 11166 30154 12547 10101 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	10-10	1250	10297	Tue	Russian diplo/intel. 11166 30154 12547 10101 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	10-10	1650	16313	Tue	Russian diplo/intel. 11166 10053 97521 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-10	1700	12217	Tue	Russian diplo/intel. 11166 10053 97521 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-10	1710	11453	Tue	Russian diplo/intel. 11166 10053 97521 10001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	11-10	0600	19268	Wed	Russian diplo/intel. 11166 40122 14562 07077 03029 and 11166 40122 73216 07078 02639	FSK 200/1000	(AB-KOR)
F06	11-10	0610	17548	Wed	Russian diplo/intel. 11166 40122 14562 07077 03029 and 11166 40122 73216 07078 02639	FSK 200/1000	(AB-KOR)
F06	11-10	0620	15779	Wed	Russian diplo/intel. 11166 40122 14562 07077 03029 and 11166 40122 73216 07078 02639	FSK 200/1000	(AB-KOR)
F06	11-10	0700	10541	Wed	Russian diplo/intel. 11166 70202 01653 10041 02539	FSK 200/1000	(AB)
F06	11-10	0710	8113	Wed	Russian diplo/intel. 11166 70202 01653 10041 02539	FSK 200/1000	(AB-POL)
F06	11-10	0720	6791	Wed	Russian diplo/intel. 11166 70202 01653 10041 02539	FSK 200/1000	(AB-RUS)
F06	11-10	0915	26185	Wed	Russian diplo/intel. 11166 40023 35481 11001 00049 00000 00000 00000 00000	FSK 200/1000	(Priyom)
F06	11-10	0930	20026	Wed	Russian diplo/intel. 11166 40023 35481 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-10	0945	18269	Wed	Russian diplo/intel. 11166 40023 35481 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-10	1200	11173	Wed	Russian diplo/intel. 11166 70202 01653 10041 02539	FSK 200/1000	(AB/MPJ)
F06	11-10	1210	9246	Wed	Russian diplo/intel. 11166 70202 01653 10041 02539	FSK 200/1000	(AB/MPJ)
F06	11-10	1220	7611	Wed	Russian diplo/intel. 11166 70202 01653 10041 02539	FSK 200/1000	(AB-RUS)
F06	11-10	1310	11435	Wed	Russian diplo/intel.	FSK 200/1000	(PY)
F06	11-10	1320	10249	Wed	Russian diplo/intel. 11166 60081 14895 11045 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	11-10	1320	10249	Wed	Russian diplo/intel. 11166 60081 14895 11045 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	12-10	0600	19268	Thu	Russian diplo/intel. 11166 40122 14562 07077 03029 and 11166 40122 73216 07078 02639	FSK 200/1000	(AB-KOR)
F06	12-10	0610	17548	Thu	Russian diplo/intel. 11166 40122 14562 07077 03029 and 11166 40122 73216 07078 02639	FSK 200/1000	(AB-KOR)
F06	12-10	0620	15779	Thu	Russian diplo/intel. 11166 40122 14562 07077 03029 and 11166 40122 73216 07078 02639	FSK 200/1000	(AB-KOR)
F06	12-10	0700	10541	Thu	Russian diplo/intel. 11166 70202 10785 11042 01959 and 11166 70202 48179 11043 02219	FSK 200/1000	(AB)
F06	12-10	0710	8113	Thu	Russian diplo/intel. 11166 70202 10785 11042 01959 and 11166 70202 48179 11043 02219	FSK 200/1000	(AB-POL)
F06	12-10	0720	6791	Thu	Russian diplo/intel. 11166 70202 10785 11042 01959 and 11166 70202 48179 11043 02219	FSK 200/1000	(AB-RUS)
F06	12-10	1200	11173	Thu	Russian diplo/intel. 11166 70202 10785 11042 01959 and 11166 70202 48179 11043 02219	FSK 200/1000	(AB)
F06	12-10	1210	9246	Thu	Russian diplo/intel. 11166 70202 10785 11042 01959 and 11166 70202 48179 11043 02219	FSK 200/1000	(AB)
F06	12-10	1220	7611	Thu	Russian diplo/intel. 11166 70202 10785 11042 01959 and 11166 70202 48179 11043 02219	FSK 200/1000	(AB-RUS)
F06	12-10	1330	20321	Thu	Russian diplo/intel. 11166 80214 54318 12067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-10	1340	18629	Thu	Russian diplo/intel. 11166 80214 54318 12067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-10	1350	13983	Thu	Russian diplo/intel. 11166 80214 54318 12067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-10	0700	10541	Fri	Russian diplo/intel. 11166 70202 34578 13022 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-10	0710	8113	Fri	Russian diplo/intel. 11166 70202 34578 13022 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	13-10	0720	6791	Fri	Russian diplo/intel. 11166 70202 34578 13022 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	15-10	1530	18957	Sun	Russian diplo/intel. 11166 10053 17935 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-10	1540	16317	Sun	Russian diplo/intel. 11166 10053 17935 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-10	1550	12217	Sun	Russian diplo/intel. 11166 10053 17935 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-10	0400	6848	Mon	Russian diplo/intel. 11166 70059 17935 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-10	0410	5433	Mon	Russian diplo/intel. 11166 70059 17935 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-10	0420	4840	Mon	Russian diplo/intel. 11166 70059 17935 16001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-10	0800	11128	Mon	Russian diplo/intel. 11100 00000 98326 13010 03919	FSK 200/1000	(AB)
F06	16-10	0810	9446	Mon	Russian diplo/intel. 11100 00000 98326 13010 03919	FSK 200/1000	(AB)
F06	16-10	0820	7453	Mon	Russian diplo/intel. 11100 00000 98326 13010 03919	FSK 200/1000	(AB)
F06	17-10	0030	11617	Tue	Russian diplo/intel. 11166 60070 12457 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-10	0040	8193	Tue	Russian diplo/intel. 11166 60070 12457 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-10	0050	7481	Tue	Russian diplo/intel. 11166 60070 12457 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	17-10	0700	10541	Tue	Russian diplo/intel. 11166 70202 85704 16046 02239 and 11166 70202 63794 16047 02199	FSK 200/1000	(AB)
F06	17-10	0710	8113	Tue	Russian diplo/intel. 11166 70202 85704 16046 02239 and 11166 70202 63794 16047 02199	FSK 200/1000	(AB-POL)
F06	17-10	0720	6791	Tue	Russian diplo/intel. 11166 70202 85704 16046 02239 and 11166 70202 63794 16047 02199	FSK 200/1000	(AB-POL)
F06	17-10	0800	11128	Tue	Russian diplo/intel. 11100 00000 98326 13010 03919	FSK 200/1000	(AB)
F06	17-10	0810	9446	Tue	Russian diplo/intel. 11100 00000 98326 13010 03919	FSK 200/1000	(AB)
F06	17-10	0820	7453	Tue	Russian diplo/intel. 11100 00000 98326 13010 03919	FSK 200/1000	(AB)
F06	17-10	1200	11173	Tue	Russian diplo/intel. 11166 70202 85704 16046 02239 and 11166 70202 63794 16047 02199	FSK 200/1000	(AB)
F06	17-10	1210	9246	Tue	Russian diplo/intel. 11166 70202 85704 16046 02239 and 11166 70202 63794 16047 02199	FSK 200/1000	(AB)
F06	17-10	1220	7611	Tue	Russian diplo/intel. 11166 70202 85704 16046 02239 and 11166 70202 63794 16047 02199	FSK 200/1000	(AB-RUS)
F06	17-10	1230	16275	Tue	Russian diplo/intel. 11166 30154 35789 17059 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	17-10	1240	12159	Tue	Russian diplo/intel. 11166 30154 35789 17059 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	17-10	1250	10297	Tue	Russian diplo/intel. 11166 30154 35789 17059 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	17-10	1650	16313	Tue	Russian diplo/intel. 11166 10053 13468 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-10	1700	12217	Tue	Russian diplo/intel. 11166 10053 13468 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-10	1710	11453	Tue	Russian diplo/intel. 11166 10053 13468 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-10	0600	19268	Wed	Russian diplo/intel. 11166 40122 12547 18069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	18-10	0610	17548	Wed	Russian diplo/intel. 11166 40122 12547 18069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	18-10	0620	15779	Wed	Russian diplo/intel. 11166 40122 12547 18069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KOR)
F06	18-10	1200	11173	Wed	Russian diplo/intel. File 44448 (binary contents)	FSK 200/1000	(AB)
F06	18-10	1210	9246	Wed	Russian diplo/intel. File 44448 (binary contents)	FSK 200/1000	(AB)
F06	18-10	1220	7611	Wed	Russian diplo/intel. File 44448 (binary contents)	FSK 200/1000	(AB-RUS)
F06	18-10	1310	11435	Wed	Russian diplo/intel. 11166 10075 12547 18069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	18-10	1320	10249	Wed	Russian diplo/intel. 11166 60081 12547 18069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	18-10	1320	10249	Wed	Russian diplo/intel. 11166 60081 12547 18069 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	19-10	0700	10541	Thu	Russian diplo/intel. 11166 70202 18639 18049 02239 and 11166 70202 29043 18050 01839	FSK 200/1000	(AB)
F06	19-10	0710	8113	Thu	Russian diplo/intel. 11166 70202 18639 18049 02239 and 11166 70202 29043 18050 01839	FSK 200/1000	(AB-POL)
F06	19-10	0720	6791	Thu	Russian diplo/intel. 11166 70202 18639 18049 02239 and 11166 70202 29043 18050 01839	FSK 200/1000	(AB-RUS)
F06	19-10	1200	11173	Thu	Russian diplo/intel. 11166 70202 18639 18049 02239 and 11166 70202 29043 18050 01839	FSK 200/1000	(AB)
F06	19-10	1210	9246	Thu	Russian diplo/intel. 11166 70202 18639 18049 02239 and 11166 70202 29043 18050 01839	FSK 200/1000	(AB)
F06	19-10	1220	7611	Thu	Russian diplo/intel. 11166 70202 18639 18049 02239 and 11166 70202 29043 18050 01839	FSK 200/1000	(AB-RUS)
F06	19-10	1330	20321	Thu	Russian diplo/intel. 11166 80214 21573 19067 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	19-10	1340	18629	Thu	Russian diplo/intel. 11166 80214 21573 19067 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	19-10	1350	13983	Thu	Russian diplo/intel. 11166 80214 21573 19067 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	20-10	0700	10541	Fri	Russian diplo/intel. 11166 70202 54287 20069 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-10	0710	8113	Fri	Russian diplo/intel. 11166 70202 54287 20069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	20-10	0720	6791	Fri	Russian diplo/intel. 11166 70202 54287 20069 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	22-10	1530	18957	Sun	Russian diplo/intel. 11166 10053 94527 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	22-10	1540	16317	Sun	Russian diplo/intel. 11166 10053 94527 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	22-10	1550	12217	Sun	Russian diplo/intel. 11166 10053 94527 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	23-10	0800	11128	Mon	Russian diplo/intel. 11100 00000 59620 20011 01159	FSK 200/1000	(AB)
F06	23-10	0810	9446	Mon	Russian diplo/intel. 11100 00000 59620 20011 01159	FSK 200/1000	(AB)
F06	23-10	0820	7453	Mon	Russian diplo/intel. 11100 00000 59620 20011 01159	FSK 200/1000	(AB)

F06	24-10	0030	11617	Tue	Russian diplo/intel. 11166 60070 24681 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-10	0040	8193	Tue	Russian diplo/intel. 11166 60070 24681 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-10	0050	7481	Tue	Russian diplo/intel. 11166 60070 24681 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-10	0700	10541	Tue	Russian diplo/intel. 11166 70202 86391 23052 01939 and 11166 70202 38254 23053 01739	FSK 200/1000	(AB)
F06	24-10	0710	8113	Tue	Russian diplo/intel. 11166 70202 86391 23052 01939 and 11166 70202 38254 23053 01739	FSK 200/1000	(AB-POL)
F06	24-10	0720	6791	Tue	Russian diplo/intel. 11166 70202 86391 23052 01939 and 11166 70202 38254 23053 01739	FSK 200/1000	(AB-POL)
F06	24-10	0800	11128	Tue	Russian diplo/intel. 11100 00000 59620 20011 01159	FSK 200/1000	(AB)
F06	24-10	0810	9446	Tue	Russian diplo/intel. 11100 00000 59620 20011 01159	FSK 200/1000	(AB)
F06	24-10	0820	7453	Tue	Russian diplo/intel. 11100 00000 59620 20011 01159	FSK 200/1000	(AB)
F06	24-10	1200	11173	Tue	Russian diplo/intel. 11166 70202 86391 23052 01939 and 11166 70202 38254 23053 01739	FSK 200/1000	(AB)
F06	24-10	1210	9246	Tue	Russian diplo/intel. 11166 70202 86391 23052 01939 and 11166 70202 38254 23053 01739	FSK 200/1000	(AB)
F06	24-10	1220	7611	Tue	Russian diplo/intel. 11166 70202 86391 23052 01939 and 11166 70202 38254 23053 01739	FSK 200/1000	(AB-RUS)
F06	24-10	1230	16275	Tue	Russian diplo/intel. null	FSK 200/1000	(PY)
F06	24-10	1240	12159	Tue	Russian diplo/intel. 11166 30154 15786 24084 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	24-10	1250	10297	Tue	Russian diplo/intel. 11166 30154 15786 24084 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	24-10	1650	16313	Tue	Russian diplo/intel. 11166 07601 10053 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-10	1700	12217	Tue	Russian diplo/intel. 11166 07601 10053 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-10	1710	11453	Tue	Russian diplo/intel. 11166 07601 10053 24001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-10	0600	19268	Wed	Russian diplo/intel. 11166 40122 96247 21079 03549	FSK 200/1000	(AB-RUS)
F06	25-10	0610	17548	Wed	Russian diplo/intel. 11166 40122 96247 21079 03549	FSK 200/1000	(AB-KOR)
F06	25-10	0620	15779	Wed	Russian diplo/intel. 11166 40122 96247 21079 03549	FSK 200/1000	(AB-KOR)
F06	25-10	0915	26185	Wed	Russian diplo/intel. 11166 40023 12457 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-10	0930	20026	Wed	Russian diplo/intel. 11166 40023 12457 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-10	0945	18269	Wed	Russian diplo/intel. 11166 40023 12457 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-10	1300	14545	Wed	Russian diplo/intel. 11166 60081 25934 25022 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	25-10	1310	11435	Wed	Russian diplo/intel. 11166 10075 25893 25089 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	25-10	1310	11435	Wed	Russian diplo/intel. 11166 10075 25893 25089 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	25-10	1320	10249	Wed	Russian diplo/intel. 11166 60081 25934 25022 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	25-10	1320	10249	Wed	Russian diplo/intel. 11166 60081 25934 25022 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	26-10	0600	19268	Thu	Russian diplo/intel. 11166 40122 96247 21079 03549	FSK 200/1000	(AB-RUS)
F06	26-10	0610	17548	Thu	Russian diplo/intel. 11166 40122 96247 21079 03549	FSK 200/1000	(AB-KOR)
F06	26-10	0620	15779	Thu	Russian diplo/intel. 11166 40122 96247 21079 03549	FSK 200/1000	(AB-KOR)
F06	26-10	0700	10541	Thu	Russian diplo/intel. 11166 70202 85417 25055 01979 and 11166 70202 97614 25056 01759	FSK 200/1000	(AB)
F06	26-10	0710	8113	Thu	Russian diplo/intel. 11166 70202 85417 25055 01979 and 11166 70202 97614 25056 01759	FSK 200/1000	(AB-POL)
F06	26-10	0720	6791	Thu	Russian diplo/intel. 11166 70202 85417 25055 01979 and 11166 70202 97614 25056 01759	FSK 200/1000	(AB-RUS)
F06	26-10	1200	11173	Thu	Russian diplo/intel. 11166 70202 85417 25055 01979 and 11166 70202 97614 25056 01759	FSK 200/1000	(AB)
F06	26-10	1210	9246	Thu	Russian diplo/intel. 11166 70202 85417 25055 01979 and 11166 70202 97614 25056 01759	FSK 200/1000	(AB)
F06	26-10	1220	7611	Thu	Russian diplo/intel. 11166 70202 85417 25055 01979 and 11166 70202 97614 25056 01759	FSK 200/1000	(AB-RUS)
F06	26-10	1330	20321	Thu	Russian diplo/intel. 11166 80214 36574 26051 00049 00000 00000 00000 00000 Wrong shift	FSK 200/200	(AB)
F06	26-10	1340	18629	Thu	Russian diplo/intel. 11166 80214 36574 26051 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	26-10	1350	13983	Thu	Russian diplo/intel. 11166 80214 36574 26051 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	27-10	0700	10541	Fri	Russian diplo/intel. 11166 70202 16824 27093 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-10	0710	8113	Fri	Russian diplo/intel. 11166 70202 16824 27093 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	27-10	0720	6791	Fri	Russian diplo/intel. 11166 70202 16824 27093 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	29-10	1530	18957	Sun	Russian diplo/intel. 11166 10053 17935 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-10	1540	16317	Sun	Russian diplo/intel. 11166 10053 17935 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-10	1550	12217	Sun	Russian diplo/intel. 11166 10053 17935 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-10	0800	11128	Mon	Russian diplo/intel. 11100 00000 10685 27012 01759	FSK 200/1000	(AB)
F06	30-10	0810	9446	Mon	Russian diplo/intel. 11100 00000 10685 27012 01759	FSK 200/1000	(AB)
F06	30-10	0820	7453	Mon	Russian diplo/intel. 11100 00000 10685 27012 01759	FSK 200/1000	(AB)
F06	31-10	0030	11617	Tue	Russian diplo/intel. 11166 60070 12457 31023 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	31-10	0040	8193	Tue	Russian diplo/intel. 11166 60070 12457 31023 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	31-10	0050	7481	Tue	Russian diplo/intel. 11166 60070 12457 31023 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	31-10	0700	10541	Tue	Russian diplo/intel. 11166 70202 71695 30058 01859 and 11166 70202 54318 30059 01819	FSK 200/1000	(AB)
F06	31-10	0710	8113	Tue	Russian diplo/intel. 11166 70202 71695 30058 01859 and 11166 70202 54318 30059 01819	FSK 200/1000	(AB-POL)
F06	31-10	0720	6791	Tue	Russian diplo/intel. 11166 70202 71695 30058 01859 and 11166 70202 54318 30059 01819	FSK 200/1000	(AB-POL)
F06	31-10	0800	11128	Tue	Russian diplo/intel. 11100 00000 10685 27012 01759	FSK 200/1000	(AB)
F06	31-10	0810	9446	Tue	Russian diplo/intel. 11100 00000 10685 27012 01759	FSK 200/1000	(AB)
F06	31-10	0820	7453	Tue	Russian diplo/intel. 11100 00000 10685 27012 01759	FSK 200/1000	(AB)
F06	31-10	1200	11173	Tue	Russian diplo/intel. 11166 70202 71695 30058 01859 and 11166 70202 54318 30059 01819	FSK 200/1000	(AB/MPJ)
F06	31-10	1210	9246	Tue	Russian diplo/intel. 11166 70202 71695 30058 01859 and 11166 70202 54318 30059 01819	FSK 200/1000	(AB/MPJ)
F06	31-10	1220	7611	Tue	Russian diplo/intel. 11166 70202 71695 30058 01859 and 11166 70202 54318 30059 01819	FSK 200/1000	(AB-RUS/MPJ)
F06	31-10	1230	16275	Tue	Russian diplo/intel. null	FSK 200/1000	(PY)
F06	31-10	1250	10927	Tue	Russian diplo/intel. 11166 30154 35712 31021 00049 00000 00000 00000 00000	FSK 200/1000	(AB-J)
F06	31-10	1250	10297	Tue	Russian diplo/intel. 11166 30154 35712 31021 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	31-10	1650	16313	Tue	Russian diplo/intel. 11166 10053 12457 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	31-10	1700	12217	Tue	Russian diplo/intel. 11166 10053 12457 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	31-10	1710	11453	Tue	Russian diplo/intel. 11166 10053 12457 31001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06a	1-10	2100	16329	Sun	Russian diplo/intel. File 04491 (binary contents)	FSK 200/1000	(AB-S)
F06a	1-10	2115	12217	Sun	Russian diplo/intel. File 04491 (binary contents)	FSK 200/1000	(AB)
F06a	1-10	2130	11125	Sun	Russian diplo/intel. File 04491 (binary contents)	FSK 200/1000	(AB)
F06a	5-10	0400	5331	Thu	Russian diplo/intel. File 04401 (binary contents)	FSK 200/1000	(AB)
F06a	5-10	0415	5944	Thu	Russian diplo/intel. File 04401 (binary contents)	FSK 200/1000	(AB)
F06a	5-10	0430	6821	Thu	Russian diplo/intel. File 04401 (binary contents)	FSK 200/1000	(AB)
F06a	6-10	0400	5331	Fri	Russian diplo/intel. File 04401 (binary contents)	FSK 200/1000	(AB)
F06a	6-10	0415	5944	Fri	Russian diplo/intel. File 04401 (binary contents)	FSK 200/1000	(AB)
F06a	6-10	0430	6821	Fri	Russian diplo/intel. File 04401 (binary contents)	FSK 200/1000	(AB)
F06a	8-10	1500	14621	Sun	Russian diplo/intel. File 04492 (binary contents)	FSK 200/1000	(AB)
F06a	8-10	1515	11057	Sun	Russian diplo/intel. File 04492 (binary contents)	FSK 200/1000	(AB)
F06a	8-10	1530	9369	Sun	Russian diplo/intel. File 04492 (binary contents)	FSK 200/1000	(AB)
F06a	10-10	1520	11128	Tue	Russian diplo/intel. File 80159-~1.TXT (1918 bytes). Header 11100 80159 56730 08145 03109	FSK 200/1000	(AB-J/PY)

F06a	10-10	1530	9467	Tue	Russian diplo/intel. File 80159~1.TXT (1918 bytes). Header 11100 80159 56730 08145 03109	FSK 200/1000	(PY)
F06a	10-10	1540	7464	Tue	Russian diplo/intel. File 80159~1.TXT (1918 bytes). Header 11100 80159 56730 08145 03109	FSK 200/1000	(PY)
F06a	12-10	0400	5331	Thu	Russian diplo/intel. File 44402 (binary contents)	FSK 200/1000	(AB)
F06a	12-10	0415	5944	Thu	Russian diplo/intel. File 44402 (binary contents)	FSK 200/1000	(AB)
F06a	12-10	0430	6821	Thu	Russian diplo/intel. File 44402 (binary contents)	FSK 200/1000	(AB)
F06a	13-10	0400	5331	Fri	Russian diplo/intel. File 44402 (binary contents)	FSK 200/1000	(AB)
F06a	13-10	0415	5944	Fri	Russian diplo/intel. File 44402 (binary contents)	FSK 200/1000	(AB)
F06a	13-10	0430	6821	Fri	Russian diplo/intel. File 44402 (binary contents)	FSK 200/1000	(AB)
F06a	14-10	1500	14621	Sat	Russian diplo/intel. File 04493 (binary contents)	FSK 200/1000	(AB)
F06a	14-10	1515	11057	Sat	Russian diplo/intel. File 04493 (binary contents)	FSK 200/1000	(AB)
F06a	14-10	1530	9369	Sat	Russian diplo/intel. File 04493 (binary contents)	FSK 200/1000	(AB)
F06a	15-10	1500	14621	Sun	Russian diplo/intel. File 04493 (binary contents)	FSK 200/1000	(AB)
F06a	15-10	1515	11057	Sun	Russian diplo/intel. File 04493 (binary contents)	FSK 200/1000	(AB)
F06a	15-10	1530	9369	Sun	Russian diplo/intel. File 04493 (binary contents)	FSK 200/1000	(AB)
F06a	16-10	0700	10541	Mon	Russian diplo/intel. File 44445 Header 11166 70202 27849 13045 00009 (binary contents)	FSK 200/1000	(AB)
F06a	16-10	0715	8113	Mon	Russian diplo/intel. File 44445 Header 11166 70202 27849 13045 00009 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	16-10	0730	6791	Mon	Russian diplo/intel. File 44445 Header 11166 70202 27849 13045 00009 (binary contents)	FSK 200/1000	(AB-FIN)
F06a	16-10	1200	11173	Mon	Russian diplo/intel. File 44445 Header 11166 70202 27849 13045 00009 Binary contents	FSK 200/500	(AB)
F06a	16-10	1215	9246	Mon	Russian diplo/intel. File 44445 Header 11166 70202 27849 13045 00009 Binary contents	FSK 200/500	(AB)
F06a	16-10	1230	7611	Mon	Russian diplo/intel. File 44445 Header 11166 70202 27849 13045 00009 Binary contents	FSK 200/500	(AB)
F06a	18-10	0700	10541	Wed	Russian diplo/intel. File 44448 (binary contents)	FSK 200/1000	(AB)
F06a	18-10	0715	8113	Wed	Russian diplo/intel. File 44448 (binary contents)	FSK 200/1000	(AB-POL)
F06a	18-10	0730	6791	Wed	Russian diplo/intel. File 44448 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	18-10	1200	11173	Wed	Russian diplo/intel. File 44448 (binary contents)	FSK 200/1000	(AB)
F06a	18-10	1215	9246	Wed	Russian diplo/intel. File 44448 (binary contents)	FSK 200/1000	(AB-POL)
F06a	18-10	1230	7611	Wed	Russian diplo/intel. File 44448 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	19-10	0400	5331	Thu	Russian diplo/intel. File 44403 (binary contents)	FSK 200/1000	(AB)
F06a	19-10	0415	5944	Thu	Russian diplo/intel. File 44403 (binary contents)	FSK 200/1000	(AB)
F06a	19-10	0430	6821	Thu	Russian diplo/intel. File 44403 (binary contents)	FSK 200/1000	(AB)
F06a	19-10	1620	10755	Thu	Russian diplo/intel. File 40144~1.TXT (1918 bytes). Header: 11100 40144 47563 15159 03109	FSK 200/1000	(PY)
F06a	19-10	1630	8063	Thu	Russian diplo/intel. File 40144~1.TXT (1918 bytes). Header: 11100 40144 47563 15159 03109	FSK 200/1000	(PY)
F06a	19-10	1640	6782	Thu	Russian diplo/intel. File 40144~1.TXT (1918 bytes). Header: 11100 40144 47563 15159 03109	FSK 200/1000	(PY)
F06a	20-10	0400	5331	Fri	Russian diplo/intel. File 44403 (binary contents)	FSK 200/1000	(AB)
F06a	20-10	0415	5944	Fri	Russian diplo/intel. File 44403 (binary contents)	FSK 200/1000	(AB)
F06a	20-10	0430	6821	Fri	Russian diplo/intel. File 44403 (binary contents)	FSK 200/1000	(AB)
F06a	21-10	1500	14621	Sat	Russian diplo/intel. File 04494 (binary contents)	FSK 200/1000	(AB/MPJ)
F06a	21-10	1515	11057	Sat	Russian diplo/intel. File 04494 (binary contents)	FSK 200/1000	(AB/MPJ)

F06a	21-10	1530	9369	Sat	Russian diplo/intel. File 04494 (binary contents)	FSK 200/1000	(AB/MPJ)
F06a	22-10	1500	14621	Sun	Russian diplo/intel. File 04494 (binary contents)	FSK 200/1000	(AB)
F06a	22-10	1515	11057	Sun	Russian diplo/intel. File 04494 (binary contents)	FSK 200/1000	(AB)
F06a	22-10	1530	9369	Sun	Russian diplo/intel. File 04494 (binary contents)	FSK 200/1000	(AB)
F06a	23-10	0700	10541	Mon	Russian diplo/intel. File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	23-10	0715	8113	Mon	Russian diplo/intel. File 44451 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	23-10	0730	6791	Mon	Russian diplo/intel. File 44451 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	23-10	0800	10316	Mon	Russian diplo/intel. File 00173-~1.TXT (1955 bytes). Header 11100 00173 98531 21147 03169	FSK 200/1000	(PY)
F06a	23-10	0810	12219	Mon	Russian diplo/intel. File 00173-~1.TXT (1955 bytes). Header 11100 00173 98531 21147 03169	FSK 200/1000	(PY)
F06a	23-10	0820	14652	Mon	Russian diplo/intel. File 00173-~1.TXT (1955 bytes). Header 11100 00173 98531 21147 03169	FSK 200/1000	(PY)
F06a	23-10	1200	11173	Mon	Russian diplo/intel. File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	23-10	1215	9246	Mon	Russian diplo/intel. File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	23-10	1230	7611	Mon	Russian diplo/intel. File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	24-10	1030	12227	Tue	Russian diplo/intel. File 10053-~1.TXT (1937 bytes). Header 11100 10053 23459 22159 03139	FSK 200/1000	(PY)
F06a	24-10	1040	14423	Tue	Russian diplo/intel. File 10053-~1.TXT (1937 bytes). Header 11100 10053 23459 22159 03139	FSK 200/1000	(PY)
F06a	24-10	1050	16283	Tue	Russian diplo/intel. File 10053-~1.TXT (1937 bytes). Header 11100 10053 23459 22159 03139	FSK 200/1000	(PY)
F06a	25-10	0700	10541	Wed	Russian diplo/intel. File 44454 (binary contents)	FSK 200/1000	(AB)
F06a	25-10	0715	8113	Wed	Russian diplo/intel. File 44454 (binary contents)	FSK 200/1000	(AB-POL)
F06a	25-10	0730	6791	Wed	Russian diplo/intel. File 44454 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	25-10	1200	11173	Wed	Russian diplo/intel. File 44454 (binary contents)	FSK 200/1000	(AB)
F06a	25-10	1215	9246	Wed	Russian diplo/intel. File 44454 (binary contents)	FSK 200/1000	(AB)
F06a	25-10	1230	7611	Wed	Russian diplo/intel. File 44454 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	26-10	0400	5331	Thu	Russian diplo/intel. File 04404 (binary contents)	FSK 200/1000	(AB)
F06a	26-10	0415	5944	Thu	Russian diplo/intel. File 04404 (binary contents)	FSK 200/1000	(AB)
F06a	26-10	0430	6821	Thu	Russian diplo/intel. File 04404 (binary contents)	FSK 200/1000	(AB)
F06a	27-10	0400	5331	Fri	Russian diplo/intel. File 04404 (binary contents)	FSK 200/1000	(AB)
F06a	27-10	0415	5944	Fri	Russian diplo/intel. File 04404 (binary contents)	FSK 200/1000	(AB)
F06a	27-10	0430	6821	Fri	Russian diplo/intel. File 04404 (binary contents)	FSK 200/1000	(AB)
F06a	28-10	1500	14621	Sat	Russian diplo/intel. File 04495 (binary contents)	FSK 200/1000	(AB)
F06a	28-10	1515	11057	Sat	Russian diplo/intel. File 04495 (binary contents)	FSK 200/1000	(AB)
F06a	28-10	1530	9369	Sat	Russian diplo/intel. File 04495 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	1500	14621	Sun	Russian diplo/intel. File 04495 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	1515	11057	Sun	Russian diplo/intel. File 04495 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	1530	9369	Sun	Russian diplo/intel. File 04495 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	0700	10541	Mon	Russian diplo/intel. File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	0715	8113	Mon	Russian diplo/intel. File 44457 (binary contents)	FSK 200/1000	(AB-RUS)

F06a	30-10	0730	6791	Mon	Russian diplo/intel. File 44457 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	30-10	1200	11173	Mon	Russian diplo/intel. File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	1215	9246	Mon	Russian diplo/intel. File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	1230	7611	Mon	Russian diplo/intel. File 44457 (binary contents)	FSK 200/1000	(AB)
F07	5-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	5-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	12-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	19-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	26-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	26-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
HM01	1-10	0603	10345	Sun	67228 08482 31384 00524 12673 28551 Files 26236722.TXT 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 37112855.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	2-10	1600	11435	Mon	44241 08483 31385 00525 12674 28552 Files 50544424.F1C 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 37112855.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	3-10	0700	14375	Tue	44241 08483 31385 00525 12674 28552 (repeat of 2 Oct) Off 0707z	AM/WinDRM	(AB-ATN)
HM01	3-10	0711	13435	Tue	44241 08483 31385 00525 12674 28552 (repeat of 2 Oct)	AM/WinDRM	(AB-ATN)
HM01	3-10	1557	11435	Tue	44241 08483 31385 00525 12674 28552 (repeat of 2 Oct)	AM/WinDRM	(AB-USA)
HM01	4-10	0627	10345	Wed	44241 08484 31386 00526 12675 28553 Files 50544424.F1C 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 37112855.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	4-10	1654	11435	Wed	i.p. 44241 08484 31386 00526 12675 28553	AM/WinDRM	(AB-USA)
HM01	5-10	0530	11462	Thu	44242 08485 31387 00527 12676 28554 Files 50544424.F1C 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 37112855.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	5-10	1620	11435	Thu	i.p. 44242 08485 31387 00527 12676 28554	AM/WinDRM	(AB-USA)
HM01	6-10	0800	10345	Fri	44243 08486 31388 00528 12677 28555 Files 50544424.F1C 23680848.TXT 51433138.TXT 11720052.TXT 11081267.TXT 37112855.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	6-10	0804	9065	Fri	44243 08486 31388 00528 12677 28555	AM/WinDRM	(AB-ATN)
HM01	6-10	0903	9240	Fri	44243 08486 31388 00528 12677 28555	AM/WinDRM	(AB-USA)
HM01	6-10	1558	11435	Fri	44243 08486 31388 00528 12677 28555	AM/WinDRM	(AB-USA)
HM01	7-10	0528	11462	Sat	44244 08487 31389 00529 20251 28556 Files 50544424.F1C 23680848.TXT 51433138.TXT 11720052.TXT 41622025.TXT 37112855.TXT Callsign: QWERTY01	AM/WinDRM	(AB)
HM01	8-10	0555	10345	Sun	44245 08488 01341 65641 20251 28557 Files 50544424.F1C 23680848.TXT 53340134.TXT 44636564.TXT 41622025.TXT 37112855.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
HM01	9-10	0759	9065	Mon	44246 08489 01341 65641 20252 28558 Files 50544424.F1C 23680848.TXT 53340134.TXT 44636564.TXT 41622025.TXT 37112855.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	10-10	1559	11435	Tue	44247 44741 01342 65642 20253 28559 Files 50544424.F1C 50044474.TXT 53340134.TXT 44636564.TXT 41622025.TXT 37112855.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	11-10	0726	10345	Wed	88701 44741 01342 65643 20254 58141 Files 10248870.TXT 50044474.TXT 53340134.TXT 44636564.TXT 41622025.TXT 62625814.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	12-10	0712	13435	Thu	88701 44742 01344 65644 20255 58141 Files 10248870.TXT 50044474.TXT 53340134.TXT 44636564.TXT 41622025.TXT 62625814.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	13-10	0630	13435	Fri	88702 44743 01345 65645 20256 58142 Files 10248870.TXT 50044474.TXT 53340134.TXT 44636564.TXT 41622025.TXT 62625814.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)

HM01	14-10	0530	11462	Sat	88703 44744 01346 65646 20257 58143 Files 10248870.TXT 50044474.TXT 53340134.TXT 44636564.TXT 41622025.TXT 62625814.TXT Callsign: QWERTY01	AM/WinDRM	(AB)
HM01	15-10	0600	10345	Sun	88704 44745 01346 65647 20258 58144 Files 10248870.TXT 50044474.TXT 53340134.TXT 44636564.TXT 41622025.TXT 62625814.TXT Callsign: QWERTY01	AM/WinDRM	(AB)
HM01	16-10	0640	10860	Mon	88705 44746 46741 65648 40571 58145 Files 10248870.TXT 50044474.TXT 22464674.TXT 44636564.TXT 02164057.TXT 62625814.TXT Callsign: QWERTY01	AM/WinDRM	(AB)
HM01	24-10	1557	11435	Tue	Briefly Radio Habana Cuba, then HM01 at 1600z: 88705 44746 46741 65648 40571 58145 (repeat of 16 Oct)	AM/WinDRM	(AB-USA/DCFL)
HM01	24-10	1705	11530	Tue	i.p. 88705 44746 46741 65648 40571 58145 (repeat of 16 Oct)	AM/WinDRM	(AB-USA/DCFL)
HM01	25-10	0522	10860	Wed	i.p. 88705 44746 46741 65648 40571 58145 (repeat of 16 Oct)	AM/WinDRM	(AB-USA)
HM01	25-10	1600	11435	Wed	i.p. 88706 44747 46741 65649 40571 58146 Files 10248870.TXT 50044474.TXT 22464674.TXT 44636564.TXT 02164057.TXT 62625814.TXT Callsign: QWERTY01	AM/WinDRM	(AB-USA)
HM01	26-10	0635	14375	Thu	i.p. 88707 44748 46742 14521 40572 58147 Files 10248870.TXT 50044474.TXT 22464674.TXT 43371452.TXT 02164057.TXT 62625814.TXT Callsign: QWERTY01	AM/WinDRM	(AB-ATN)
M01	1-10	0700	6590	Sun	463 702 702 30 30 == 00011 93847 81004 ... 00446 88579 40400 == 702 702 30 30 000 Usually on 6510 kHz	CW	(SOB)
M01	3-10	1800	5475	Tue	463 492 492 30 30 == 23478 65712 78435 ... 78432 67321 56123 == 492 492 30 30 000	CW	(AB-FIN)
M01	3-10	2000	5020	Tue	463 34876 45654 67432 ... 78543 89654 90345 == 843 843 30 30 000	CW	(AB-FIN)
M01	5-10	1800	5475	Thu	463 661 661 30 30 == 33771 76543 90909 ... 99667 44773 90088 == 661 661 30 30 000	CW	(AB-FIN/SOB)
M01	5-10	2000	5080	Thu	463 936 936 30 30 == 12312 34534 77556 ... 88473 99876 46574 == 936 36 30 30 000	CW	(AB-FIN/SOB)
M01	7-10	1500	6260	Sat	463 598 598 30 30 == 34765 12876 45901 ... 45612 79832 90543 == 598 598 30 30 000	CW	(AB/SOB)
M01	8-10	0700	6510	Sun	463 671 671 30 30 == 56123 90345 34789 ... 56432 78921 90654 == 671 671 30 30 000	CW	(AB-FIN/SOB)
M01	10-10	1800	5475	Tue	463 360 360 30 30 == 41565 42565 43565 ... 68565 69565 60565 == 360 360 30 30 000	CW	(AB-FIN/SOB)
M01	10-10	2000	5020	Tue	463 630 630 30 30 == 11565 12565 13565 ... 38565 39565 30565 == 630 630 30 30 000	CW	(AB-FIN/SOB)
M01	12-10	1800	5475	Thu	463 957 957 30 30 == 00041 82918 92855 01994 ... 30029 01990 71000 = = 957 57 30 30 000	CW	(AB-FIN/SOB)
M01	12-10	2000	5080	Thu	463 302 302 30 30 == 0040 91850 02955 ... 01958 88588 04000 = = 302 302 30 30 000 The first group was only 4 digits.	CW	(AB-FIN/SOB)
M01	14-10	1500	6260	Sat	463 610 610 30 30 == 01565 02565 03565 ... 28454 29454 20454 == 610 610 30 30 000	CW	(SOB)
M01	15-10	0700	6510	Sun	463 150 150 30 30 == 31454 32454 33454 ... 58454 59450 50454 == 150 150 30 30 000	CW	(AB-FIN/SOB)
M01	17-10	2000	5020	Tue	463 202 202 30 30 == 12323 34533 90909 ... 22345 56345 87564 == 202 202 30 30 000	CW	(AB-FIN)
M01	19-10	1800	5475	Thu	463 892 892 30 30 == 12898 13898 14898 ... 38898 39898 30898 == 892 892 30 30 000	CW	(AB-FIN)
M01	19-10	2000	5080	Thu	463 736 736 30 30 == 71766 72767 73767 ... 98767 99767 90767 == 736 736 30 30 000	CW	(AB-FIN)
M01	22-10	0700	6510	Sun	463 337 337 30 30 == 55755 45674 34534 ... 94321 90987 55667 == 337 337 30 30 000	CW	(AB-FIN/SOB/HFD)
M01	24-10	1800	5475	Tue	463 942 942 30 30 == 31565 32565 33265 ... 56565 5 5655 585 586559565056450 = = 942 942 30 30 = 000	CW	(AB/SOB)
M01	24-10	2000	5020	Tue	463 391 391 30 30 == 40343 49343 48344 ... 62343 63343 61343 == 391 391 30 30 000	CW	(AB-FIN/SOB)
M01	26-10	1800	5475	Thu	463 774 774 30 30 == 55743 11223 98765 ... 54364 66743 99876 == 774 774 30 30 000	CW	(AB-FIN/SOB)
M01	26-10	2000	5080	Thu	463 915 915 30 30 == 12312 90909 98765 ... 78695 11100 20220 == 915 915 30 30 000	CW	(AB/SOB)
M01	28-10	1500	6260	Sat	463 280 280 30 30 == 11121 12121 13121 ... 38121 39121 30121 = = 280 280 30 30 000	CW	(SOB)
M01	29-10	0700	6510	Sun	463 802 802 30 30 == 41121 42121 43121 ... 68121 69121 60121 == 802 802 30 30 000	CW	(AB/SOB)

M01	31-10	1800	5475	Tue	463 375 375 30 30 = = 45453 37212 90987 ... 45453 57586 98765 = = 375 375 30 30 000	CW	(AB-FIN)
M01	31-10	2000	5020	Tue	463 401 401 30 30 = = 12312 10101 66885 ... 67675 99007 6443 = = 401 401 30 30 000	CW	(AB-FIN)
M12	1-10	0800	17441	Sun	462 462 462 000	CW	(AB)
M12	1-10	0820	18641	Sun	462 462 462 000	CW	(AB)
M12	2-10	1400	20168	Mon	142 142 142 1 503 89 503 89 93270 26446 89210 ... 93956 63781 87684 000 000	CW	(AB/HFD)
M12	2-10	1420	19468	Mon	142 142 142 1 503 89 503 89 93270 26446 89210 ... 93956 63781 87684 000 000	CW	(AB/HFD)
M12	2-10	1420	19468	Mon	142:1	CW	(HFD)
M12	2-10	1440	16268	Mon	142 142 142 1 503 89 503 89 93270 26446 89210 ... 93956 63781 87684 000 000	CW	(AB)
M12	2-10	2000	10318	Mon	178 178 178 1 9960 79 9960 79 61055 65230 13552 ... 72127 53050 35982 000 000	CW	(AB/RL/HFD)
M12	2-10	2020	9218	Mon	178 178 178 1 9960 79 9960 79 61055 65230 13552 ... 72127 53050 35982 000 000	CW	(AB/RL/HFD)
M12	2-10	2040	8118	Mon	178 178 178 1 9960 79 9960 79 61055 65230 13552 ... 72127 53050 35982 000 000	CW	(AB/RL/HFD)
M12	3-10	0030	6837	Tue	802 802 802 1 ...	CW	(HFD)
M12	3-10	0050	8037	Tue	802 802 802 1 ...	CW	(HFD)
M12	3-10	0110	9237	Tue	802 802 802 1 ...	CW	(HFD)
M12	4-10	0600	10518	Wed	525 525 525 000	CW	(AB)
M12	4-10	0620	12218	Wed	525 525 525 000	CW	(AB)
M12	4-10	0800	17441	Wed	462 462 462 1 7283 164 7283 164 70026 42798 84362 ... 45108 48292 28386 000 000	CW	(AB/HFD)
M12	4-10	0820	18641	Wed	462 462 462 1 7283 164 7283 164 70026 42798 84362 ... 45108 48292 28386 000 000	CW	(AB)
M12	4-10	0840	19241	Wed	462 462 462 1 7283 164 7283 164 70026 42798 84362 ... 45108 48292 28386 000 000	CW	(AB)
M12	4-10	1900	11135	Wed	122 122 122 1 9479 99 9479 99 87172 39884 19918 ... 84115 87254 46858 000 000	CW	(AB)
M12	4-10	1920	10235	Wed	122 122 122 1 9479 99 9479 99 87172 39884 19918 ... 84115 87254 46858 000 000	CW	(AB)
M12	4-10	1940	9235	Wed	122 122 122 1 9479 99 9479 99 87172 39884 19918 ... 84115 87254 46858 000 000	CW	(AB)
M12	5-10	1110	13386	Thu	725 725 725 1 9291 95 9291 95 73967 22292 43794 ... 12176 29480 08843 000 000	CW	(AB/MPJ/SOB)
M12	5-10	1130	12189	Thu	725 725 725 1 9291 95 9291 95 73967 22292 43794 ... 12176 29480 08843 000 000	CW	(AB/MPJ/SOB)
M12	5-10	1150	11491	Thu	725 725 725 1 9291 95 9291 95 73967 22292 43794 ... 12176 29480 08843 000 000	CW	(AB/MPJ/SOB)
M12	5-10	1400	20168	Thu	142 142 142 1 503 89 503 89 93270 26446 89210 ... 93956 63781 87684 000 000	CW	(AB)
M12	5-10	1420	19468	Thu	142 142 142 1 503 89 503 89 93270 26446 89210 ... 93956 63781 87684 000 000	CW	(AB/SOB)
M12	5-10	1440	16268	Thu	142 142 142 1 503 89 503 89 93270 26446 89210 ... 93956 63781 87684 000 000	CW	(AB/SOB)
M12	5-10	2000	10318	Thu	178 178 178 1 9960 79 9960 79 61055 65230 13552 ... 72127 53050 35982 000 000	CW	(AB/RL)
M12	5-10	2020	9218	Thu	178 178 178 1 9960 79 9960 79 61055 65230 13552 ... 72127 53050 35982 000 000	CW	(AB/RL/SOB)
M12	5-10	2040	8118	Thu	178 178 178 1 9960 79 9960 79 61055 65230 13552 ... 72127 53050 35982 000 000	CW	(AB/RL/SOB)
M12	6-10	0030	6837	Fri	802 802 802 1 7694 98 7694 98 89909 13592 86230 ... 58184 90173 93112 000 000	CW	(AB)
M12	6-10	0050	8037	Fri	802 802 802 1 7694 98 7694 98 89909 13592 86230 ... 58184 90173 93112 000 000	CW	(AB)
M12	6-10	0110	9237	Fri	802 802 802 1 7694 98 7694 98 89909 13592 86230 ... 58184 90173 93112 000 000	CW	(AB)
M12	6-10	1900	11135	Fri	122 122 122 1 9479 99 9479 99 87172 39884 19918 ... 84115 87254 46858 000 000	CW	(AB/SOB/HFD)
M12	6-10	1920	10235	Fri	122 122 122 1 9479 99 9479 99 87172 39884 19918 ... 84115 87254 46858 000 000	CW	(AB/SOB/HFD)
M12	6-10	1940	9235	Fri	122 122 122 1 9479 99 9479 99 87172 39884 19918 ... 84115 87254 46858 000 000	CW	(AB/SOB/HFD)
M12	6-10	2100	5794	Fri	770 770 770 000	CW	(AB/SOB/HFD)
M12	6-10	2120	6794	Fri	770 770 770 000	CW	(AB/SOB/HFD)
M12	7-10	0600	10518	Sat	525 525 525 000	CW	(AB/SOB)
M12	7-10	0620	12218	Sat	525 525 525 000	CW	(AB/SOB)
M12	7-10	2100	5794	Sat	770 770 770 000	CW	(AB/SOB)

M12	7-10	2120	6794	Sat	770 770 770 000	CW	(AB/SOB)
M12	8-10	0800	17441	Sun	462 462 462 1 7283 164 7283 164 70026 42798 84362 ... 45108 48292 28386 000 000	CW	(AB)
M12	8-10	0820	18641	Sun	462 462 462 1 7283 164 7283 164 70026 42798 84362 ... 45108 48292 28386 000 000	CW	(AB)
M12	8-10	0840	19241	Sun	462 462 462 1 7283 164 7283 164 70026 42798 84362 ... 45108 48292 28386 000 000	CW	(AB)
M12	9-10	1400	20168	Mon	142 142 142 000	CW	(AB/RL/SOB)
M12	9-10	1420	19468	Mon	142 142 142 000	CW	(AB/RL/SOB)
M12	9-10	2000	10318	Mon	178 178 178 000	CW	(AB/RL/SOB)
M12	9-10	2020	9218	Mon	178 178 178 000	CW	(AB/RL/SOB)
M12	10-10	0030	6837	Tue	802 802 802 000	CW	(AB/SOB)
M12	10-10	0050	8037	Tue	802 802 802 000	CW	(AB/SOB)
M12	11-10	0600	10518	Wed	525 525 525 1 490 129 490 129 35910 58006 81143 ... 81458 98039 06425 000 000	CW	(AB/SOB)
M12	11-10	0620	12218	Wed	525 525 525 1 490 129 490 129 35910 58006 81143 ... 81458 98039 06425 000 000	CW	(AB/SOB/PY)
M12	11-10	0640	13518	Wed	525 525 525 1 490 129 490 129 35910 58006 81143 ... 81458 98039 06425 000 000	CW	(AB/PY)
M12	11-10	0800	17441	Wed	462 462 462 1 7283 164 7283 164 70026 42798 84362 ... 45108 48292 28386 000 000	CW	(AB/SOB)
M12	11-10	0820	18641	Wed	462 462 462 1 7283 164 7283 164 70026 42798 84362 ... 45108 48292 28386 000 000	CW	(AB/SOB)
M12	11-10	0840	19241	Wed	462 462 462 1 7283 164 7283 164 70026 42798 84362 ... 45108 48292 28386 000 000	CW	(AB/SOB)
M12	11-10	1900	11135	Wed	122 122 122 1 9479 99 9479 99 87172 39884 19918 ... 84115 87254 46858 000 000	CW	(AB/SOB)
M12	11-10	1920	10235	Wed	122 122 122 1 9479 99 9479 99 87172 39884 19918 ... 84115 87254 46858 000 000	CW	(AB/SOB)
M12	11-10	1940	9235	Wed	122 122 122 1 9479 99 9479 99 87172 39884 19918 ... 84115 87254 46858 000 000	CW	(AB/SOB)
M12	11-10	2310	12217	Wed	254 1 5572 72 36504 11685 24589 ... 76553 94357 24322 000 000	CW	(RL)
M12	11-10	2330	11517	Wed	254 1 5572 72 36504 11685 24589 ... 76553 94357 24322 000 000	CW	(RL)
M12	11-10	2350	10417	Wed	254 1 5572 72 36504 11685 24589 ... 76553 94357 24322 000 000	CW	(RL)
M12	12-10	0300	17437	Thu	495 495 495 1 ...	CW	(HFD-J)
M12	12-10	0320	15937	Thu	495 495 495 1 ...	CW	(HFD-J)
M12	12-10	0340	14537	Thu	495 495 495 1 ...	CW	(HFD-J)
M12	12-10	1110	13386	Thu	725 725 725 1 3612 99 3612 99 51849 24475 23730 ... 80458 10248 22915 000 000	CW	(AB/MPJ/SOB)
M12	12-10	1130	12189	Thu	725 725 725 1 3612 99 3612 99 51849 24475 23730 ... 80458 10248 22915 000 000	CW	(AB/MPJ/SOB)
M12	12-10	1150	11491	Thu	725 725 725 1 3612 99 3612 99 51849 24475 23730 ... 80458 10248 22915 000 000	CW	(AB/MPJ/SOB)
M12	12-10	1400	20168	Thu	142 142 142 000	CW	(AB/SOB)
M12	12-10	1420	19468	Thu	142 142 142 000	CW	(AB/SOB)
M12	12-10	2000	10318	Thu	178 178 178 000	CW	(AB)
M12	12-10	2020	9218	Thu	178 178 178 000	CW	(AB/SOB)
M12	13-10	0030	6837	Fri	802 802 802 000	CW	(AB/SOB)
M12	13-10	0050	8037	Fri	802 802 802 000	CW	(AB/SOB)
M12	13-10	1900	11135	Fri	122 122 122 1 9479 99 9479 99 87172 39884 19918 ... 84115 87254 46858 000 000	CW	(AB)
M12	13-10	1920	10235	Fri	122 122 122 1 9479 99 9479 99 87172 39884 19918 ... 84115 87254 46858 000 000	CW	(AB)
M12	13-10	1940	9235	Fri	122 122 122 1 9479 99 9479 99 87172 39884 19918 ... 84115 87254 46858 000 000	CW	(AB)
M12	13-10	2100	5794	Fri	770 770 770 000	CW	(AB/SOB)
M12	13-10	2120	6794	Fri	770 770 770 000	CW	(AB/SOB)
M12	14-10	0600	10518	Sat	525 525 525 1 490 129 490 129 35910 58006 81143 ... 81458 98039 06425 000 000	CW	(AB/SOB)
M12	14-10	0620	12218	Sat	525 525 525 1 490 129 490 129 35910 58006 81143 ... 81458 98039 06425 000 000	CW	(AB/SOB)
M12	14-10	0640	13518	Sat	525 525 525 1 490 129 490 129 35910 58006 81143 ... 81458 98039 06425 000 000	CW	(AB/SOB)

M12	14-10	1800	11435	Sat	938 938 938 1 7721 71 7721 71 20681 88299 54731 ... 52520 13267 84451 000 000	CW	(AB)
M12	14-10	1820	10598	Sat	938 938 938 1 7721 71 7721 71 20681 88299 54731 ... 52520 13267 84451 000 000	CW	(AB)
M12	14-10	1840	9327	Sat	938 938 938 1 7721 71 7721 71 20681 88299 54731 ... 52520 13267 84451 000 000	CW	(AB)
M12	14-10	2100	5794	Sat	770 770 770 000	CW	(AB)
M12	14-10	2120	6794	Sat	770 770 770 000	CW	(AB)
M12	15-10	0800	17441	Sun	462 462 462 1 7283 164 7283 164 70026 42798 84362 ... 45108 48292 28386 000 000	CW	(AB/SOB)
M12	15-10	0820	18641	Sun	462 462 462 1 7283 164 7283 164 70026 42798 84362 ... 45108 48292 28386 000 000	CW	(AB/SOB)
M12	15-10	0840	19241	Sun	462 462 462 1 7283 164 7283 164 70026 42798 84362 ... 45108 48292 28386 000 000	CW	(AB/SOB)
M12	16-10	1400	20168	Mon	142 142 142 1 202 94 202 94 56121 49633 55785 ... 50232 39457 53870 000 000	CW	(AB)
M12	16-10	1420	19468	Mon	142 142 142 1 202 94 202 94 56121 49633 55785 ... 50232 39457 53870 000 000	CW	(AB)
M12	16-10	1440	16268	Mon	142 142 142 1 202 94 202 94 56121 49633 55785 ... 50232 39457 53870 000 000	CW	(AB)
M12	16-10	2000	10318	Mon	178 178 178 1 460 67 460 67 92590 02998 81779 ... 75214 70379 88171 000 000	CW	(AB/RL)
M12	16-10	2020	9218	Mon	178 178 178 1 460 67 460 67 92590 02998 81779 ... 75214 70379 88171 000 000	CW	(AB/RL)
M12	16-10	2040	8118	Mon	178 178 178 1 460 67 460 67 92590 02998 81779 ... 75214 70379 88171 000 000	CW	(AB/RL)
M12	17-10	0030	6837	Tue	802 802 802 1 5203 125 5203 125 00241 07213 02875 ... 09955 05386 24846 000 000	CW	(AB)
M12	17-10	0050	8037	Tue	802 802 802 1 5203 125 5203 125 00241 07213 02875 ... 09955 05386 24846 000 000	CW	(AB)
M12	17-10	0110	9237	Tue	802 802 802 1 5203 125 5203 125 00241 07213 02875 ... 09955 05386 24846 000 000	CW	(AB)
M12	18-10	0600	10518	Wed	525 525 525 1 490 129 490 129 35910 58006 81143 ... 81458 98039 06425 000 000	CW	(AB)
M12	18-10	0620	12218	Wed	525 525 525 1 490 129 490 129 35910 58006 81143 ... 81458 98039 06425 000 000	CW	(AB)
M12	18-10	0640	13518	Wed	525 525 525 1 490 129 490 129 35910 58006 81143 ... 81458 98039 06425 000 000	CW	(AB)
M12	18-10	0800	17441	Wed	462 462 462 000	CW	(AB)
M12	18-10	0820	18641	Wed	462 462 462 000	CW	(AB)
M12	18-10	1900	11135	Wed	122 122 122 000	CW	(AB)
M12	18-10	1920	10235	Wed	122 122 122 000	CW	(AB)
M12	19-10	1110	13386	Thu	725 725 725 1 7558 93 7558 93 03728 42582 98731 ... 83141 05100 86758 000 000	CW	(AB)
M12	19-10	1130	12189	Thu	725 725 725 1 7558 93 7558 93 03728 42582 98731 ... 83141 05100 86758 000 000	CW	(AB)
M12	19-10	1150	11491	Thu	725 725 725 1 7558 93 7558 93 03728 42582 98731 ... 83141 05100 86758 000 000	CW	(AB)
M12	19-10	1400	20168	Thu	142 142 142 1 202 94 202 94 56121 49633 55785 ... 50232 39457 53870 000 000	CW	(AB)
M12	19-10	1420	19468	Thu	142 142 142 1 202 94 202 94 56121 49633 55785 ... 50232 39457 53870 000 000	CW	(AB)
M12	19-10	1440	16268	Thu	142 142 142 1 202 94 202 94 56121 49633 55785 ... 50232 39457 53870 000 000	CW	(AB)
M12	19-10	2000	10318	Thu	178 178 178 1 460 67 460 67 92590 02998 81779 ... 75214 70379 88171 000 000	CW	(AB/RL)
M12	19-10	2020	9218	Thu	178 178 178 1 460 67 460 67 92590 02998 81779 ... 75214 70379 88171 000 000	CW	(AB/RL)
M12	19-10	2040	8118	Thu	178 178 178 1 460 67 460 67 92590 02998 81779 ... 75214 70379 88171 000 000	CW	(AB/RL)
M12	20-10	0030	6837	Fri	802 802 802 1 5203 125 5203 125 00241 07213 02875 ... 09955 05386 24846 000 000	CW	(AB)
M12	20-10	0050	8037	Fri	802 802 802 1 5203 125 5203 125 00241 07213 02875 ... 09955 05386 24846 000 000	CW	(AB)
M12	20-10	0110	9237	Fri	802 802 802 1 5203 125 5203 125 00241 07213 02875 ... 09955 05386 24846 000 000	CW	(AB)
M12	20-10	1900	11135	Fri	122 122 122 000	CW	(AB)
M12	20-10	1920	10235	Fri	122 122 122 000	CW	(AB)
M12	20-10	2100	5794	Fri	770 770 770 000	CW	(AB)
M12	20-10	2120	6794	Fri	770 770 770 000	CW	(AB)
M12	21-10	1800	11435	Sat	938 938 938 1 4934 76 4934 76 99396 72178 29747 ... 29996 31891 87733 000 000	CW	(AB/MPJ/SOB)
M12	21-10	1820	10598	Sat	938 938 938 1 4934 76 4934 76 99396 72178 29747 ... 29996 31891 87733 000 000	CW	(AB/MPJ/SOB)

M12	21-10	1840	9327	Sat	938 938 938 1 4934 76 4934 76 99396 72178 29747 ... 29996 31891 87733 000 000	CW	(AB/MPJ/SOB)
M12	21-10	2100	5794	Sat	770 770 770 000	CW	(AB/SOB)
M12	21-10	2120	6794	Sat	770 770 770 000	CW	(AB/SOB)
M12	22-10	0800	17441	Sun	462 462 462 000	CW	(AB/SOB)
M12	22-10	0820	18641	Sun	462 462 462 000	CW	(AB/SOB)
M12	23-10	1400	20168	Mon	142 142 142 1 199 99 199 99 64267 14308 59753 44360 ... 21316 37924 23961 000 000	CW	(AB)
M12	23-10	1420	19468	Mon	142 142 142 1 199 99 199 99 64267 14308 59753 44360 ... 21316 37924 23961 000 000	CW	(AB/SOB)
M12	23-10	1440	16268	Mon	142 142 142 1 199 99 199 99 64267 14308 59753 44360 ... 21316 37924 23961 000 000	CW	(AB/SOB)
M12	23-10	2000	10318	Mon	178 178 178 1 461 91 461 91 76663 96331 68201 ... 57391 25047 92520 000 000	CW	(AB/RL/SOB)
M12	23-10	2020	9218	Mon	178 178 178 1 461 91 461 91 76663 96331 68201 ... 57391 25047 92520 000 000	CW	(AB/RL/SOB)
M12	23-10	2040	8118	Mon	178 178 178 1 461 91 461 91 76663 96331 68201 ... 57391 25047 92520 000 000	CW	(AB/RL/SOB)
M12	24-10	0030	6837	Tue	802 802 802 1 5203 125 5203 125 00241 07213 02875 ... 09955 05386 24846 000 000	CW	(AB/SOB)
M12	24-10	0050	8037	Tue	802 802 802 1 5203 125 5203 125 00241 07213 02875 ... 09955 05386 24846 000 000	CW	(AB/SOB)
M12	24-10	0110	9237	Tue	802 802 802 1 5203 125 5203 125 00241 07213 02875 ... 09955 05386 24846 000 000	CW	(AB/SOB)
M12	25-10	0600	10518	Wed	525 525 525 000	CW	(AB/SOB)
M12	25-10	0620	12218	Wed	525 525 525 000	CW	(AB/SOB)
M12	25-10	0800	17441	Wed	462 462 462 000	CW	(AB/SOB)
M12	25-10	0820	18641	Wed	462 462 462 000	CW	(AB/SOB)
M12	25-10	1900	11135	Wed	122 122 122 000	CW	(AB/SOB)
M12	25-10	1920	10235	Wed	122 122 122 000	CW	(AB/SOB)
M12	25-10	2330	11517	Wed	254 1 3302 64 98943 01694 10636 ... 14610 24454 32230 000 000	CW	(AB)
M12	25-10	2350	10417	Wed	254 1 3302 64 98943 01694 10636 ... 14610 24454 32230 000 000	CW	(AB)
M12	26-10	1110	13386	Thu	725 725 725 1 6287 94 6287 94 53407 52976 63005 ... 64611 38828 72616 000 000	CW	(AB/SOB)
M12	26-10	1130	12189	Thu	725 725 725 1 6287 94 6287 94 53407 52976 63005 ... 64611 38828 72616 000 000	CW	(AB/SOB)
M12	26-10	1150	11491	Thu	725 725 725 1 6287 94 6287 94 53407 52976 63005 ... 64611 38828 72616 000 000	CW	(AB/SOB)
M12	26-10	1400	20168	Thu	142 142 142 1 199 99 199 99 64267 14308 59753 44360 ... 21316 37924 23961 000 000	CW	(AB/SOB)
M12	26-10	1420	19468	Thu	142 142 142 1 199 99 199 99 64267 14308 59753 44360 ... 21316 37924 23961 000 000	CW	(AB/SOB)
M12	26-10	1440	16268	Thu	142 142 142 1 199 99 199 99 64267 14308 59753 44360 ... 21316 37924 23961 000 000	CW	(AB/SOB)
M12	26-10	2000	10318	Thu	178 178 178 1 461 91 461 91 76663 96331 68201 ... 57391 25047 92520 000 000	CW	(AB/RL)
M12	26-10	2020	9218	Thu	178 178 178 1 461 91 461 91 76663 96331 68201 ... 57391 25047 92520 000 000	CW	(AB/RL/SOB)
M12	26-10	2040	8118	Thu	178 178 178 1 461 91 461 91 76663 96331 68201 ... 57391 25047 92520 000 000	CW	(AB/RL/SOB)
M12	27-10	0010	17429	Fri	429 429 429 1 ...	CW	(HFD-J)
M12	27-10	0030	6837	Fri	802 802 802 1 5203 125 5203 125 00241 07213 02875 ... 09955 05386 24846 000 000	CW	(AB/SOB)
M12	27-10	0030	16219	Fri	429 429 429 1 ...	CW	(HFD-J)
M12	27-10	0050	8037	Fri	802 802 802 1 5203 125 5203 125 00241 07213 02875 ... 09955 05386 24846 000 000	CW	(AB/SOB)
M12	27-10	0050	15929	Fri	429 429 429 1 ...	CW	(HFD-J)
M12	27-10	0110	9237	Fri	802 802 802 1 5203 125 5203 125 00241 07213 02875 ... 09955 05386 24846 000 000	CW	(AB/SOB)
M12	27-10	1900	11135	Fri	122 122 122 000	CW	(AB/SOB)
M12	27-10	1920	10235	Fri	122 122 122 000	CW	(AB/SOB)
M12	27-10	2100	5794	Fri	770 770 770 000	CW	(AB/RL)
M12	27-10	2120	6794	Fri	770 770 770 000	CW	(AB/RL)
M12	28-10	0600	10518	Sat	525 525 525 000	CW	(AB/SOB)

M12	28-10	0620	12218	Sat	525 525 525 000	CW	(AB/SOB)
M12	28-10	1800	11435	Sat	938 938 938 6096 74 6096 74 65666 95928 59059 ... 43793 46235 84286 000 000	CW	(AB/SOB)
M12	28-10	1820	10598	Sat	938 938 938 6096 74 6096 74 65666 95928 59059 ... 43793 46235 84286 000 000	CW	(AB/SOB)
M12	28-10	1840	9327	Sat	938 938 938 6096 74 6096 74 65666 95928 59059 ... 43793 46235 84286 000 000	CW	(AB/SOB)
M12	28-10	2100	5794	Sat	770 770 770 000	CW	(AB/SOB)
M12	28-10	2120	6794	Sat	770 770 770 000	CW	(AB/SOB)
M12	29-10	0800	17441	Sun	462 462 462 000	CW	(AB)
M12	29-10	0820	18641	Sun	462 462 462 000	CW	(AB)
M12	29-10	2310	12217	Sun	254 254 254 1 3302 64 3302 64 98943 01694 10636 ... 14610 24454 32230 000 000	CW	(AB/PY)
M12	29-10	2330	11517	Sun	254 254 254 1 3302 64 3302 64 98943 01694 10636 ... 14610 24454 32230 000 000	CW	(AB/PY)
M12	29-10	2350	10417	Sun	254 254 254 1 3302 64 3302 64 98943 01694 10636 ... 14610 24454 32230 000 000	CW	(AB/PY)
M12	30-10	1400	20168	Mon	142 142 142 000	CW	(AB)
M12	30-10	1420	19468	Mon	142 142 142 000	CW	(AB)
M12	30-10	2000	10318	Mon	178 178 178 000	CW	(AB/RL)
M12	30-10	2020	9218	Mon	178 178 178 000	CW	(AB/RL)
M12	31-10	0030	6837	Tue	802 802 802 000	CW	(AB)
M12	31-10	0050	8037	Tue	802 802 802 000	CW	(AB)
M14	2-10	0508	12211	Mon	Started while already i.p. 6977 30693 81062 00192 48880 65637 81663 76228 12480 92030 12149 1. Restart: 952 then off at 0510z	CW	(AB)
M14	2-10	0520	10243	Mon	952 143 143 52 52 == 68034 04284 57266 ... 39515 62165 46553 == 143 143 52 52 00000	CW	(AB)
M14	3-10	0500	12211	Tue	952 687 687 59 59 == 55418 37803 72153 ... 81603 56857 80906 == 687 687 59 59 00000	CW	(AB)
M14	3-10	0520	10243	Tue	952 687 687 59 59 == 55418 37803 72153 ... 81603 56857 80906 == 687 687 59 59 00000	CW	(AB)
M14	8-10	1345	9463	Sun	801 437 437 52 52 == 35373 34030 27778 ... 82289 67341 28728 == 437 437 52 52 00000	ICW	(PY)
M14	9-10	0500	12211	Mon	952 413 413 58 58 == 24341 45102 93363 ... 43898 78061 36335 == 413 413 58 58 00000	CW	(AB)
M14	9-10	0520	10243	Mon	952 413 413 58 58 == 24341 45102 93363 ... 43898 78061 36335 == 413 413 58 58 00000	CW	(AB)
M14	10-10	0500	12211	Tue	952 768 768 59 59 == 41954 55753 26516 ... 69735 98236 54688 == 768 768 59 59 00000	CW	(AB)
M14	10-10	0520	10243	Tue	952 768 768 59 59 == 41954 55753 26516 ... 69735 98236 54688 == 768 768 59 59 00000	CW	(AB)
M14	10-10	0930	17458	Tue	617 617 617 00000	CW	(AB/SOB)
M14	12-10	0500	12211	Thu	952 167 167 52 52 == 86933 28023 25593 ... 62711 41174 92567 167 167 167 52 52 00000	CW	(AB)
M14	12-10	0520	10243	Thu	952 167 167 52 52 == 86933 28023 25593 ... 62711 41174 92567 167 167 167 52 52 00000	CW	(AB)
M14	13-10	0500	12211	Fri	952 834 834 60 60 == 53041 95110 38023 ... 69005 80560 82109 == 834 834 60 60 00000	CW	(AB-J)
M14	13-10	0520	10243	Fri	952 834 834 60 60 == 53041 95110 38023 ... 69005 80560 82109 == 834 834 60 60 00000	CW	(AB-J)
M14	15-10	1320	10755	Sun	Two series of fast beeps	ICW	(PY)
M14	15-10	1330	10755	Sun	975 342 342 60 60 = 81195 13715 61364 ... 68755 90072 62717 = 342 342 60 60 00000	ICW	(PY)
M14	16-10	0500	12211	Mon	952 107 107 54 54 == 18679 12920 28539 ... 87576 79744 55556 == 107 107 54 54 00000	CW	(AB)
M14	16-10	0520	10243	Mon	952 107 107 54 54 == 18679 12920 28539 ... 87576 79744 55556 == 107 107 54 54 00000	CW	(AB)
M14	17-10	0500	12211	Tue	952 683 683 51 51 == 90331 36765 40436 ... 90511 42103 45957 == 683 683 51 51 00000	CW	(AB)
M14	17-10	0520	10243	Tue	952 683 683 51 51 == 90331 36765 40436 ... 90511 42103 45957 == 683 683 51 51 00000	CW	(AB)
M14	17-10	0531	11073	Tue	Two series fast beeps	ICW	(PY)
M14	17-10	0610	9463	Tue	Two series fast beeps	ICW	(PY)
M14	17-10	0621	9463	Tue	801 296 296 53 53 == 99900 99688 52973 ... 67818 47706 33402 == 296 296 53 53 00000	ICW	(PY)
M14	17-10	0700	10755	Tue	Two series of fast beeps	ICW	(PY)

M14	17-10	0751	11073	Tue	Two series fast beeps	ICW	(PY)
M14	17-10	0800	11073	Tue	352 179 179 60 60 == 20649 24134 64170 ... 64774 14968 79746 == 179 179 60 60 00000	ICW	(PY)
M14	17-10	0840	9463	Tue	Two series fast beeps	ICW	(PY)
M14	17-10	0850	9463	Tue	801 326 326 57 57 == 58113 59952 91892 ... 32248 73205 39478 == 326 326 57 57 00000	ICW	(PY)
M14	18-10	0500	12211	Wed	952 407 407 65 65 == 96816 16665 22859 ... 08885 65520 76956 == 407 407 65 65 00000	CW	(AB-J)
M14	18-10	0520	10243	Wed	952 407 407 65 65 == 96816 16665 22859 ... 08885 65520 76956 == 407 407 65 65 00000	CW	(AB-J)
M14	19-10	0500	12211	Thu	Sent 52 groups 952 368 368 51 51 == 96816 16665 22859 ... 36899 16696 90566 == 368 368 51 51 00000	CW	(AB-J)
M14	19-10	0520	10243	Thu	Sent 52 groups 952 368 368 51 51 == 96816 16665 22859 ... 36899 16696 90566 == 368 368 51 51 00000	CW	(AB-J)
M14	20-10	0500	12211	Fri	952 741 741 63 63 == 42689 46063 01913 ... 42090 30535 22272 == 741 741 63 63 00000	CW	(AB-J)
M14	20-10	0520	10243	Fri	952 741 741 63 63 == 42689 46063 01913 ... 42090 30535 22272 == 741 741 63 63 00000	CW	(AB-J)
M14	23-10	0500	12211	Mon	952 631 631 51 51 == 47571 09002 46589 ... 88000 58863 55165 == 631 631 51 51 00000	CW	(AB)
M14	23-10	0520	10243	Mon	952 631 631 51 51 == 47571 09002 46589 ... 88000 58863 55165 == 631 631 51 51 00000	CW	(AB)
M14	23-10	0750	10755	Mon	Two series of fast beeps	ICW	(PY)
M14	23-10	0800	10755	Mon	975 813 813 60 60 == 97814 49297 62815 ... 13553 65436 56951 == 813 813 60 60 00000	ICW	(PY)
M14	24-10	0500	12211	Tue	952 814 814 57 57 == 66552 33967 50153 ... 25984 68444 83607 == 814 814 57 57 00000	CW	(AB)
M14	24-10	0520	10243	Tue	952 (R) off after the callup	CW	(AB)
M14	25-10	0500	12211	Wed	952 703 703 51 51 == 63522 43269 77412 ... 37017 41055 05722 == 703 703 51 51 00000	CW	(AB-J)
M14	25-10	0520	10243	Wed	952 703 703 51 51 == 63522 43269 77412 ... 37017 41055 05722 == 703 703 51 51 00000	CW	(AB-J)
M14	25-10	0930	17458	Wed	617 617 617 00000	CW	(AB)
M14	26-10	0500	12211	Thu	952 168 168 54 54 == 13649 25474 81107... 08786 96297 80808 == 168 168 54 54 00000	CW	(AB-J)
M14	26-10	0525	10243	Thu	952 168 168 54 54 == 13649 25474 81107... 08786 96297 80808 == 168 168 54 54 00000 Late start	CW	(AB-J)
M14	27-10	0500	12211	Fri	952 473 473 61 61 == 92115 51292 70739 ... 95554 43962 94998 == 473 473 61 61 00000 (13 sec silence after group 23. Group 24 is missing)	CW	(AB-J)
M14	27-10	0520	10243	Fri	952 473 473 61 61 == 92115 51292 70739 ... 95554 43962 94998 == 473 473 61 61 00000	CW	(AB-J)
M14a	17-10	0540	11073	Tue	352 716 716 40 40 == 06208 83870 16986 ... 63962 09080 54334 == 716 716 40 40 352 948 948 17 17 == 61427 01714 68660 ... 86933 82177 36289 == 948 948 17 17 00000	ICW	(PY)
M14a	17-10	0710	10755	Tue	975 102 102 36 36 == 95109 00156 94486 ... 65992 37841 82808 == 102 102 36 36 975 638 638 14 14 == 34490 65899 27280 ... 54043 59348 26345 == 638 638 14 14 00000	ICW	(PY)
M14d	6-10	1200	9463	Fri	801 79462 (R4m) 625 625 34 34 == 76322 84084 74035 ... 18705 92860 50638 == 625 625 34 (unpaired) 00000	ICW	(PY)
M22	9-10	1636	4331	Mon	i.p. WD5I WD5I WD5I QSL NR 48 == AR AR VVV DE 4XZ 4XZ ==	CW	(SOB)
M22	10-10	1602	6607	Tue	VVV DE 4XZ 4XZ UZ7O NR 891 HG GR 54 == UZ2P NR 791 HG GR 04 == UZ0D QSL NR 71/74 == etc	CW	(SOB)
M23	8-10	2055	5345	Sun	Marker	CW	(AB)
M23	9-10	0055	5345	Mon	Marker	CW	(AB)
M23	9-10	0155	5345	Mon	Marker	CW	(AB)
M23	9-10	0255	5345	Mon	Marker	CW	(AB)
M23	9-10	0355	5345	Mon	Marker	CW	(AB)
M23	9-10	0455	5345	Mon	Marker	CW	(AB)

M23	9-10	0555	5345	Mon	Marker	CW	(AB)
M23	9-10	0655	5345	Mon	Marker	CW	(AB)
M23	9-10	0755	5345	Mon	Marker	CW	(AB)
M23	9-10	0855	5345	Mon	Marker	CW	(AB)
M23	9-10	0955	5345	Mon	Marker	CW	(AB)
M23	9-10	1055	5345	Mon	Marker	CW	(AB)
M23	9-10	1155	5345	Mon	Marker	CW	(AB)
M23	9-10	1255	5345	Mon	Marker	CW	(AB)
M23	9-10	1355	5345	Mon	Marker	CW	(AB)
M23	9-10	1455	5345	Mon	Marker	CW	(AB)
M23	9-10	1555	5345	Mon	Marker	CW	(AB)
M23	9-10	1655	5345	Mon	Marker	CW	(AB)
M23	9-10	1755	5345	Mon	Marker	CW	(AB)
M23	9-10	1855	5345	Mon	Marker	CW	(AB)
M23	9-10	1955	5345	Mon	Marker	CW	(AB)
M23	9-10	2055	5345	Mon	Marker	CW	(AB)
M23	9-10	2155	5345	Mon	Marker	CW	(AB)
M23	9-10	2255	5345	Mon	Marker	CW	(AB)
M23	9-10	2355	5345	Mon	Marker	CW	(AB)
M23	10-10	0055	5345	Tue	Marker	CW	(AB)
M23	10-10	0155	5345	Tue	Marker	CW	(AB)
M23	10-10	0255	5345	Tue	Marker	CW	(AB)
M23	10-10	0355	5345	Tue	Marker	CW	(AB)
M23	10-10	0455	5345	Tue	Marker	CW	(AB)
M23	10-10	0555	5345	Tue	Marker	CW	(AB)
M23	10-10	0655	5345	Tue	Marker	CW	(AB)
M23	10-10	0755	5345	Tue	Marker	CW	(AB)
M23	10-10	0855	5345	Tue	Marker	CW	(AB)
M23	10-10	0955	5345	Tue	Marker	CW	(AB)
M23	10-10	1055	5345	Tue	Marker	CW	(AB)
M23	10-10	1155	5345	Tue	Marker	CW	(AB)
M23	10-10	1255	5345	Tue	Marker	CW	(AB)
M23	10-10	1355	5345	Tue	Marker	CW	(AB)
M23	10-10	1455	5345	Tue	Marker	CW	(AB)
M23	10-10	1555	5345	Tue	Marker	CW	(AB)
M23	10-10	1655	5345	Tue	Marker	CW	(AB)
M23	10-10	1755	5345	Tue	Marker	CW	(AB)
M23	10-10	1855	5345	Tue	Marker	CW	(AB)
M23	10-10	1955	5345	Tue	Marker	CW	(AB)
M23	10-10	2055	5345	Tue	Marker	CW	(AB)
M23	10-10	2155	5345	Tue	Marker	CW	(AB)
M23	10-10	2255	5345	Tue	Marker	CW	(AB)

M23	10-10	2355	5345	Tue	Marker	CW	(AB)
M23	11-10	0055	5345	Wed	Marker	CW	(AB)
M23	11-10	0155	5345	Wed	Marker	CW	(AB)
M23	11-10	0255	5345	Wed	Marker	CW	(AB)
M23	11-10	0355	5345	Wed	Marker	CW	(AB)
M23	11-10	0455	5345	Wed	Marker	CW	(AB)
M23	11-10	0555	5345	Wed	Marker	CW	(AB)
M23	11-10	0655	5345	Wed	Marker	CW	(AB)
M23	11-10	0755	5345	Wed	Marker	CW	(AB)
M23	11-10	0855	5345	Wed	Marker	CW	(AB)
M23	11-10	0955	5345	Wed	Marker	CW	(AB)
M23	11-10	1055	5345	Wed	Marker	CW	(AB)
M23	11-10	1155	5345	Wed	Marker	CW	(AB)
M23	11-10	1255	5345	Wed	Marker	CW	(AB)
M23	11-10	1355	5345	Wed	Marker	CW	(AB)
M23	11-10	1455	5345	Wed	Marker	CW	(AB)
M23	11-10	1555	5345	Wed	Marker	CW	(AB)
M23	11-10	1655	5345	Wed	Marker	CW	(AB)
M23	11-10	1755	5345	Wed	Marker	CW	(AB)
M23	11-10	1855	5345	Wed	Marker	CW	(AB)
M23	11-10	1955	5345	Wed	Marker	CW	(AB)
M23	11-10	2055	5345	Wed	Marker	CW	(AB)
M23	11-10	2155	5345	Wed	Marker	CW	(AB)
M23	11-10	2255	5345	Wed	Marker	CW	(AB)
M23	11-10	2355	5345	Wed	Marker	CW	(AB)
M23	12-10	1055	5345	Thu	Marker	CW	(MPJ)
M23	12-10	1155	5345	Thu	Marker	CW	(MPJ)
M23	12-10	1255	5345	Thu	Marker	CW	(MPJ)
M23	12-10	1355	5345	Thu	Marker	CW	(MPJ)
M23	12-10	1555	5345	Thu	Marker	CW	(MPJ)
M23	12-10	1655	5345	Thu	Marker	CW	(MPJ)
M23	15-10	2055	5345	Sun	Marker	CW	(AB)
M23	16-10	0255	5345	Mon	Marker	CW	(AB)
M23	16-10	0455	5345	Mon	Marker	CW	(AB)
M23	16-10	0555	5345	Mon	Marker	CW	(AB)
M23	16-10	0655	5345	Mon	Marker	CW	(AB)
M23	16-10	0755	5345	Mon	Marker	CW	(AB)
M23	16-10	0855	5345	Mon	Marker	CW	(AB)
M23	17-10	0355	5345	Tue	Marker	CW	(AB)
M23	18-10	0455	5345	Wed	Marker	CW	(AB)
M23	18-10	2055	5345	Wed	Marker	CW	(AB)
M23	19-10	0455	5345	Thu	Marker	CW	(AB)

M23	21-10	1055	5345	Sat	Marker		CW	(MPJ)
M23	21-10	1155	5345	Sat	Marker		CW	(MPJ)
M23	21-10	1255	5345	Sat	Marker		CW	(MPJ)
M23	22-10	0655	5345	Sun	Marker		CW	(AB)
M23	22-10	1755	5345	Sun	Marker		CW	(AB)
M23	23-10	0315	5345	Mon	Marker		CW	(HFD)
M23	23-10	0955	5345	Mon	Marker		CW	(AB)
M23	24-10	0555	5345	Tue	Marker		CW	(AB)
M23	24-10	1055	5345	Tue	Marker		CW	(AB)
M23	25-10	0555	5345	Wed	Marker		CW	(AB)
M23	26-10	0455	5345	Thu	Marker		CW	(AB)
M23	28-10	0655	5345	Sat	Marker		CW	(AB)
M23	29-10	0655	5345	Sun	Marker		CW	(AB)
M23	30-10	0855	5345	Mon	Marker		CW	(AB)
M23	31-10	0654	5345	Tue	Marker		CW	(AB)
M4	11-10	0500	12211	Wed	952 340 340 61 61 == 75528 85766 58700 ... 71747 35747 34822 == 340 340 61 61 00000		CW	(Subilo)
M4	11-10	0520	10243	Wed	952 340 340 61 61 == 75528 85766 58700 ... 71747 35747 34822 == 340 340 61 61 00000		CW	(Subilo)
M4	30-10	0500	12211	Mon	952 601 601 52 52 == 09890 92418 79667 ... 13540 99778 04501 == 601 601 52 52 00000		CW	(Subilo)
M4	30-10	0520	10243	Mon	952 601 601 52 52 == 09890 92418 79667 ... 13540 99778 04501 == 601 601 52 52 00000		CW	(Subilo)
M4	31-10	0500	12211	Tue	952 834 834 57 57 == 42806 39145 82864 ... 49673 73789 28793 == 834 834 57 57 00000		CW	(Subilo)
M4	31-10	0520	10243	Tue	952 834 834 57 57 == 42806 39145 82864 ... 49673 73789 28793 == 834 834 57 57 00000		CW	(Subilo)
M42	3-10	0824	14358	Tue	Russian diplo		MFSK-66	(RO)
M42	3-10	0826	15945	Tue	Russian diplo		MFSK-66	(RO)
M42	3-10	0843	11552	Tue	Russian diplo		MFSK-66	(RO)
M42	4-10	0819	14636	Wed	Russian diplo		MFSK-66	(RO)
M42	4-10	1058	20412	Wed	Russian diplo		Serdolik v2	(RO)
M42	4-10	1059	17442	Wed	Russian diplo		Serdolik v2	(RO)
M42	5-10	0731	16315	Thu	Russian diplo		Serdolik v2	(AB/RO)
M42	5-10	0732	14474	Thu	Russian diplo selcal		Serdolik v2	(AB/RO)
M42	5-10	0736	16313	Thu	Russian diplo		Serdolik v2	(AB/RO)
M42	5-10	0753	14705	Thu	Russian diplo		Serdolik v2	(AB/RO)
M42	5-10	0753	16026	Thu	Russian diplo		Serdolik v2	(AB/RO)
M42	5-10	0753	16028	Thu	Russian diplo selcal		Serdolik v2	(AB/RO)
M42	5-10	0754	14472	Thu	Russian diplo Test		Serdolik v2	(AB)
M42	6-10	0830	16216	Fri	Russian diplo		MFSK-66	(AB/RO)
M42	8-10	1031	12114	Sun	Russian diplo		Serdolik v2	(RO)
M42	8-10	1037	12114	Sun	Russian diplo		Serdolik v2	(RO)
M42	8-10	1040	13895	Sun	Russian diplo		Serdolik v2	(RO)
M42	8-10	1041	12096	Sun	Russian diplo		Serdolik v2	(RO)
M42	8-10	1120	17451	Sun	Russian diplo		MFSK-66	(RO)
M42	8-10	1154	17461	Sun	Russian diplo		MFSK-66	(RO)
M42	9-10	0827	17466	Mon	Russian diplo		Serdolik v2	(RO)

M42	9-10	0836	17466	Mon	Russian diplo	Serdolik v2	(RO)
M42	9-10	0842	17480	Mon	Russian diplo	OFDM-112	(RO)
M42	9-10	0844	17466	Mon	Russian diplo	Serdolik v2	(RO)
M42	9-10	0920	19275	Mon	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	9-10	0927	19275	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	9-10	0930	19275	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	9-10	0933	19273	Mon	Russian diplo	Serdolik v2	(AB/RO)
M42	10-10	0812	16257	Tue	Russian diplo	MFSK-66	(RO)
M42	12-10	0831	16062	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	13-10	0915	16258	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	0925	16258	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	0929	16258	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	0932	16258	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	0942	16258	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	1135	20574	Fri	Russian net	MFSK-11	(AB)
M42	13-10	1145	20574	Fri	Russian net	MFSK-11	(AB)
M42	13-10	1148	17468	Fri	Russian net	MFSK-11	(AB)
M42	13-10	1230	16258	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	1234	16258	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	1255	16258	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	1310	18050	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	1316	18050	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	1317	18050	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	1324	18050	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	1329	18050	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	1400	16258	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	1635	11128	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	13-10	1650	11128	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	14-10	0935	16255	Sat	Russian intel. 35 min	MFSK+OFDM	(AB)
M42	14-10	1305	16255	Sat	Russian intel. 23 sec	MFSK+OFDM	(AB)
M42	14-10	1307	16255	Sat	Russian intel. 2 min 24 sec	MFSK+OFDM	(AB)
M42	14-10	1335	16255	Sat	Russian intel. 2 min 40 sec	MFSK+OFDM	(AB)
M42	14-10	1339	16255	Sat	Russian intel. 1 min 44 sec	MFSK+OFDM	(AB)
M42	16-10	0801	16255	Mon	Russian intel.	MFSK+OFDM	(AB)
M42	16-10	0807	14318	Mon	Russian intel.	MFSK+OFDM	(AB)
M42	17-10	0827	11590	Tue	Russian diplo	MFSK-66	(RO)
M42	17-10	0827	13424	Tue	Russian diplo	MFSK-66	(RO)
M42	17-10	0838	14803	Tue	Russian diplo	MFSK-66	(RO)
M42	17-10	0840	13436	Tue	Russian diplo	MFSK-66	(RO)
M42	17-10	1415	11454	Tue	Russian intel.	MFSK+OFDM	(AB)
M42	17-10	1429	11454	Tue	Russian intel.	MFSK+OFDM	(AB)
M42	17-10	1449	11454	Tue	Russian intel.	MFSK+OFDM	(AB)

M42	17-10	1547	11454	Tue	Russian intel.	MFSK+OFDM	(AB)
M42	17-10	1609	11454	Tue	Russian intel.	MFSK+OFDM	(AB)
M42	18-10	0721	19511	Wed	Russian diplo	MFSK-66	(RO)
M42	18-10	1054	14653	Wed	Russian diplo	Serdolik v2	(RO)
M42	18-10	1059	17443	Wed	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	18-10	1102	14318	Wed	Russian intel. 10min	MFSK+OFDM	(AB)
M42	18-10	1123	17440	Wed	Russian diplo.	Serdolik v2	(AB/RO)
M42	18-10	1323	16255	Wed	Russian intel. 1min	MFSK+OFDM	(AB)
M42	18-10	1328	16255	Wed	Russian intel. 1min 30sec	MFSK+OFDM	(AB)
M42	18-10	1332	16255	Wed	Russian intel. 6min	MFSK+OFDM	(AB)
M42	18-10	1343	16255	Wed	Russian intel. 6min 40sec	MFSK+OFDM	(AB)
M42	18-10	1357	16255	Wed	Russian intel. 45sec	MFSK+OFDM	(AB)
M42	18-10	1359	16255	Wed	Russian intel. 44sec	MFSK+OFDM	(AB)
M42	18-10	1405	17528	Wed	Russian intel. 12 min	MFSK+OFDM	(AB)
M42	18-10	1422	17528	Wed	Russian intel. 3min 55sec	MFSK+OFDM	(AB)
M42	18-10	1428	17528	Wed	Russian intel. 39sec	MFSK+OFDM	(AB)
M42	18-10	1431	17528	Wed	Russian intel. 1min 56sec	MFSK+OFDM	(AB)
M42	18-10	1434	17528	Wed	Russian intel. 2min 12sec	MFSK+OFDM	(AB)
M42	18-10	1438	17528	Wed	Russian intel. 38sec	MFSK+OFDM	(AB)
M42	18-10	1439	17528	Wed	Russian intel. 3min 41sec	MFSK+OFDM	(AB)
M42	18-10	1444	17528	Wed	Russian intel. 20min	MFSK+OFDM	(AB)
M42	18-10	1540	16255	Wed	Russian intel. 16sec	MFSK+OFDM	(AB)
M42	18-10	1541	16255	Wed	Russian intel. 27sec	MFSK+OFDM	(AB)
M42	18-10	1543	16255	Wed	Russian intel. 4min 25sec	MFSK+OFDM	(AB)
M42	18-10	1548	16255	Wed	Russian intel. 16sec	MFSK+OFDM	(AB)
M42	19-10	0723	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	19-10	0723	21824	Thu	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	19-10	0726	21824	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	19-10	0728	17517	Thu	Russian diplo	MFSK-66	(AB/RO)
M42	19-10	0746	17521	Thu	Russian diplo. Selcal	Serdolik v2	(RO)
M42	19-10	0749	17480	Thu	Russian diplo	OFDM-112	(RO)
M42	19-10	0752	17460	Thu	Russian diplo	OFDM-112	(RO)
M42	19-10	0802	15924	Thu	Russian diplo	OFDM-112	(RO)
M42	19-10	0806	16026	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	19-10	0935	18196	Thu	Russian diplo	MFSK-66	(RO)
M42	19-10	1029	18050	Thu	Russian intel. 44sec	MFSK+OFDM	(AB)
M42	19-10	1035	18050	Thu	Russian intel. 1min 34sec	MFSK+OFDM	(AB)
M42	19-10	1110	18050	Thu	Russian intel. 1min 19sec	MFSK+OFDM	(AB)
M42	19-10	1117	18050	Thu	Russian intel. 4min 11sec	MFSK+OFDM	(AB)
M42	19-10	1434	10318	Thu	Russian intel. 12min 20sec	MFSK+OFDM	(AB)
M42	19-10	1455	7863	Thu	Russian intel. 9min 40sec	MFSK+OFDM	(AB)
M42	19-10	1505	7863	Thu	Russian intel. 11min 6sec	MFSK+OFDM	(AB)

M42	19-10	1517	7863	Thu	Russian intel. 11min 10sec	MFSK+OFDM	(AB)
M42	19-10	1531	7863	Thu	Russian intel. 3min 16sec	MFSK+OFDM	(AB)
M42	19-10	1536	7863	Thu	Russian intel. 1min 22sec	MFSK+OFDM	(AB)
M42	19-10	1537	7863	Thu	Russian intel. 48sec	MFSK+OFDM	(AB)
M42	19-10	1538	7863	Thu	Russian intel. 6min 9sec	MFSK+OFDM	(AB)
M42	19-10	1650	7863	Thu	Russian intel. 11min 46sec	MFSK+OFDM	(AB)
M42	19-10	1704	7863	Thu	Russian intel. 10min 17sec	MFSK+OFDM	(AB)
M42	20-10	0841	14828	Fri	Russian diplo	Serdolik v2	(RO)
M42	20-10	0901	14826	Fri	Russian diplo. Selcal	Serdilik v2	(RO)
M42	20-10	1020	16255	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	20-10	1028	18050	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	20-10	1040	18050	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	20-10	1055	16255	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	20-10	1145	16255	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	20-10	1215	16255	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	20-10	1217	16255	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	20-10	1220	16255	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	20-10	1255	16255	Fri	Russian intel.	MFSK+OFDM	(AB)
M42	20-10	1305	16098	Fri	Russian diplo	MFSK-66	(AB)
M42	23-10	0805	20262	Mon	Russian diplo	ODFM-112	(AB)
M42	23-10	0911	19275	Mon	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	23-10	0917	19275	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	23-10	0920	19275	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	23-10	0923	19275	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	23-10	0924	19277	Mon	Russian diplo. Test	Serdolik v2	(AB)
M42	24-10	0803	13420	Tue	Russian diplo	Serdolik v2	(AB/RO)
M42	24-10	0820	11071	Tue	Russian diplo. Test	Serdolik v2	(AB)
M42	24-10	0824	11071	Tue	Russian diplo	Serdolik v2	(AB)
M42	24-10	0825	14830	Tue	Russian diplo	Serdolik v2	(RO)
M42	24-10	0826	11071	Tue	Russian diplo	Serdolik v2	(RO)
M42	24-10	1001	20811	Tue	Russian diplo. Selcal	Serdolik v2	(RO)
M42	24-10	1002	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	24-10	1015	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	25-10	0800	19665	Wed	Russian diplo	MFSK-66	(AB)
M42	25-10	0833	16062	Wed	Russian diplo	Serdolik v2	(RO)
M42	25-10	0849	16309	Wed	Russian diplo i.p.	Serdolik v2	(AB/RO)
M42	25-10	0849	16309	Wed	Russian diplo	Serdolik v2	(RO)
M42	26-10	0819	16062	Thu	Russian diplo	Serdolik v2	(RO)
M42	27-10	0956	18711	Fri	Russian diplo	MFSK-66	(AB)
M42	27-10	1035	17433	Fri	Russian diplo	MFSK-66	(AB)
M42	27-10	1305	16098	Fri	Russian diplo	MFSK-66	(AB)
M42	30-10	1322	16255	Mon	Russian intel.	MFSK + ODFM	(AB)

M42	30-10	1343	10890	Mon	Russian intel.	MFSK + OFDM	(AB)
M42	31-10	1219	16265	Tue	Russian intel. (4kHz wide)	MFSK+OFDM	(AB)
M42	31-10	1303	16265	Tue	Russian intel. (12kHz wide)	MFSK+OFDM	(AB)
M42	31-10	1320	16103	Tue	Russian intel. OFDM bursts	OFDM	(AB)
M42	31-10	1424	16255	Tue	Russian intel. (12kHz wide)	MFSK+OFDM	(AB)
M42	31-10	1445	16255	Tue	Russian intel. (12kHz wide)	MFSK+OFDM	(AB)
M51a	7-10	0630	3881	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	7-10	0630	6825	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51a	7-10	0820	3881	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //6825 kHz	CW	(AB)
M51a	7-10	0820	6825	Sat	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ followed by 2 messages CQ DE FAV22 VA //3881 kHz	CW	(AB)
M51b	7-10	0630	3881	Sat	Non-stop 5 character groups composed of M51a messages //6825 kHz	CW	(AB)
M51b	7-10	0630	6825	Sat	Non-stop 5 character groups composed of M51a messages //3881 kHz	CW	(AB)
M51b	8-10	0430	3881	Sun	Non-stop 5 character groups composed of M51a messages //6825 kHz	CW	(SOB)
M51b	8-10	0430	6825	Sun	Non-stop 5 character groups composed of M51a messages //3881 kHz	CW	(SOB)
M89	2-10	2308	6378	Mon	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	2-10	2308	7045	Mon	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	10-10	1718	3565	Tue	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	10-10	1718	4718	Tue	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	10-10	1720	4860	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	10-10	1720	6840	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	16-10	1120	4860	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	16-10	1120	6840	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	19-10	1726	3565	Thu	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	19-10	1726	4718	Thu	V BSA5 (x3) DE TP4C (x2) //3565	CW	(JPL)
M89	19-10	1735	4517	Thu	VVV UW2K DE FY3B HR SVC GA HR SVC GA = 765/X.26/7901/82/28/22/K236A/COMM/7294 AR =	CW	(JPL)
M89	23-10	1120	4860	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	23-10	1120	6840	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	23-10	1130	4720	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	23-10	1130	5150	Mon	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	23-10	1135	4718	Mon	V BSA5 (x3) DE TP4C (x2) //6378	CW	(JPL)
M89	23-10	1135	6378	Mon	V BSA5 (x3) DE TP4C (x2) //4718	CW	(JPL)
M89	23-10	1217	5389	Mon	i.p. RPT 32W 6274 6274 K K RPT 41W 5387 5387 K K RPT 43W 6142 6142 K K	CW	(JPL)
M89	28-10	2303	6378	Sat	V BSA5 (x3) DE TP4C (x2) //7045	CW	(JPL)
M89	28-10	2303	7045	Sat	V BSA5 (x3) DE TP4C (x2) //6378	CW	(JPL)
M89	28-10	2320	4860	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	28-10	2320	6840	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M95	2-10	2236	4178	Mon	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)

M95	2-10	2236	7517	Mon	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
M95	8-10	1340	5651	Sun	V XP5B (x3) DE S2DJ (x2) //12039	CW	(JPL)
M95	8-10	1340	12039	Sun	V XP5B (x3) DE S2DJ (x2) //5651	CW	(JPL)
M95	10-10	1520	7517	Tue	V XP5B XP5B XP5B DE S2DJ S2DJ	CW	(SOB)
M95	10-10	1725	4178	Tue	V XP5B (x3) DE S2DJ (x2) //7517	CW	(JPL)
M95	10-10	1725	7517	Tue	V XP5B (x3) DE S2DJ (x2) //4178	CW	(JPL)
M95	16-10	1141	4364	Mon	V BNGC (x3) DE XSV85 (X2) HR MSGS GA PSE CY NR 0812 CK 055 35 TTA6 164U = //8073	CW	(JPL)
M95	16-10	1156	9054	Mon	VVV HR 7G TO YR PSE CY NR 084 CK 40 35 1016 1515 = //4243	CW	(JPL)
M95	19-10	0620	9054	Thu	MSG NR 019 CK 16 35 10 19 1628 = 205 019 325 701 001 002 003 773 420 446 336 898 934 448 887 AGN ...	CW	(Mario-J)
M95	23-10	1140	4364	Mon	V BNGC (x3) DE XSV85 (X2) HR MSGS GA PSE CY NR 0844 CK 208 35 1023 1520 = //8073	CW	(JPL)
M95	23-10	1140	8073	Mon	V BNGC (x3) DE XSV85 (X2) HR MSGS GA PSE CY NR 0844 CK 208 35 1023 1520 = //4243	CW	(JPL)
M95	23-10	1448	4243	Mon	HR MSG TO YR PSE CY NR 46 CK 132 35 1023 1521 = UTU TU3 3U6 3A4 ... //9054	CW	(JPL)
M95	23-10	1448	9054	Mon	HR MSG TO YR PSE CY NR 46 CK 132 35 1023 1521 = UTU TU3 3U6 3A4 ... //4243	CW	(JPL)
M95	28-10	2346	9054	Sat	HR MSG TO YR PSE CY NR 058 CK 19 35 1029 0557 = UT5 TUN 3U4 3A4 ...	CW	(JPL)
M95	29-10	0005	4364	Sun	V BNGC (x3) DE XSV85 (X2) HR MSG GA PSE CY NR 0856 CK 100 35 1029 0702 = //4364	CW	(JPL)
M95	29-10	0005	8073	Sun	V BNGC (x3) DE XSV85 (X2) HR MSG GA PSE CY NR 0856 CK 100 35 1029 0702 = //4364	CW	(JPL)
MX	6-10	0500	5156.7	Fri	Beacon L, St Petersburg	CW	(ChPa)
MX	7-10	0519	5156.7	Sat	Beacon L, St Petersburg	CW	(ChPa)
P03	1-10	0530	8800	Sun	Polish intel.	PSK	(PY)
P03	1-10	0535	8800	Sun	Polish intel.	PSK	(PY)
P03	1-10	0630	6891	Sun	Polish intel.	PSK	(PY)
P03	1-10	0635	6891	Sun	Polish intel.	PSK	(PY)
P03	1-10	1245	6940	Sun	Polish intel.	PSK	(PY)
P03	1-10	1250	6940	Sun	Polish intel.	PSK	(PY)
P03	2-10	1205	8545	Mon	Polish intel.	PSK	(PY)
P03	3-10	0430	10210	Tue	Polish intel.	PSK	(PY)
P03	3-10	0435	10210	Tue	Polish intel.	PSK	(PY)
P03	3-10	0615	12424	Tue	Polish intel.	PSK	(PY)
P03	3-10	0620	12424	Tue	Polish intel.	PSK	(PY)
P03	3-10	1500	10800	Tue	Polish intel.	PSK	(PY)
P03	3-10	1800	7840	Tue	Polish intel.	PSK	(PY)
P03	4-10	1030	13046	Wed	Polish intel.	PSK	(PY)
P03	4-10	1035	13046	Wed	Polish intel.	PSK	(PY)
P03	5-10	0430	10210	Thu	Polish intel.	PSK	(Subilo)
P03	5-10	1200	8545	Thu	Polish intel.	PSK	(PY)
P03	5-10	1205	8545	Thu	Polish intel.	PSK	(PY)
P03	5-10	1800	7840	Thu	Polish intel.	PSK	(PY)
P03	6-10	1345	9960	Fri	Polish intel.	PSK	(PY)
P03	6-10	1350	9960	Fri	Polish intel.	PSK	(PY)
P03	6-10	1520	18030	Fri	Polish intel.	PSK	(PY)
P03	7-10	1245	6940	Sat	Polish intel.	PSK	(PY)

P03	7-10	1250	6940	Sat	Polish intel.	PSK	(PY)
P03	12-10	0430	10210	Thu	Polish intel.	PSK	(PY)
P03	15-10	0535	8800	Sun	Polish intel.	PSK	(T101)
P03	15-10	1245	6940	Sun	Polish intel.	PSK	(T101)
P03	19-10	1200	8545	Thu	Polish intel.	PSK	(T101)
P03	22-10	0630	6891	Sun	Polish intel.	PSK	(T101)
P03	23-10	0615	20905	Mon	Polish intel.	PSK	(PY)
P03	23-10	0620	20905	Mon	Polish intel.	PSK	(PY)
P03	23-10	1200	8545	Mon	Polish intel.	PSK	(PY)
P03	23-10	1225	19515	Mon	Polish intel.	PSK	(PY)
P03	24-10	0615	12424	Tue	Polish intel.	PSK	(PY)
P03	24-10	0640	26756	Tue	Polish intel.	PSK	(PY)
P03	24-10	0720	16005	Tue	Polish intel.	PSK	(PY)
P03	24-10	0725	16005	Tue	Polish intel.	PSK	(PY)
P03	24-10	0810	16530	Tue	Polish intel.	PSK	(PY)
P03	24-10	0815	16530	Tue	Polish intel.	PSK	(PY)
P03	24-10	1800	7840	Tue	Polish intel.	PSK	(PY)
P03	25-10	0615	20905	Wed	Polish intel.	PSK	(PY)
P03	25-10	1030	13046	Wed	Polish intel.	PSK	(PY)
P03	25-10	1100	11581	Wed	Polish intel.	PSK	(PY)
P03	25-10	1105	11581	Wed	Polish intel.	PSK	(PY)
P03	25-10	1310	7637	Wed	Polish intel.	PSK	(T101)
P03	25-10	1800	9968	Wed	Polish intel.	PSK	(PY)
P03	25-10	1805	9968	Wed	Polish intel.	PSK	(PY)
P03	26-10	0430	10210	Thu	Polish intel.	PSK	(PY)
P03	26-10	0430	10210	Thu	Polish intel.	PSK	(PY)
P03	26-10	0615	12424	Thu	Polish intel.	PSK	(PY)
P03	26-10	0615	12424	Thu	Polish intel.	PSK	(PY)
P03	26-10	0635	26756	Thu	Polish intel.	PSK	(PY)
P03	26-10	0635	26756	Thu	Polish intel.	PSK	(PY)
P03	26-10	0720	16005	Thu	Polish intel.	PSK	(PY)
P03	26-10	0720	16005	Thu	Polish intel.	PSK	(PY)
P03	26-10	1800	7840	Thu	Polish intel.	PSK	(PY)
P03	26-10	1800	7840	Thu	Polish intel.	PSK	(PY)
P03	26-10	1950	11420	Thu	Polish intel.	PSK	(PY)
P03	26-10	1950	11420	Thu	Polish intel.	PSK	(PY)
P03	26-10	1955	11420	Thu	Polish intel.	PSK	(PY)
P03	26-10	1955	11420	Thu	Polish intel.	PSK	(PY)
P03	27-10	0530	8800	Fri	Polish intel.	PSK	(PY)
P03	27-10	0850	16530	Fri	Polish intel.	PSK	(PY)
P03	27-10	0855	16530	Fri	Polish intel.	PSK	(PY)
P03	27-10	1345	9960	Fri	Polish intel.	PSK	(PY)

P03	27-10	1500	10800	Fri	Polish intel.	PSK	(PY)
P03	27-10	1515	18030	Fri	Polish intel.	PSK	(PY)
P03	28-10	0630	6891	Sat	Polish intel.	PSK	(PY)
P03	28-10	1200	6280	Sat	Polish intel.	PSK	(PY)
P03	28-10	1205	6280	Sat	Polish intel.	PSK	(PY)
P03	28-10	1245	6940	Sat	Polish intel.	PSK	(PY)
P03	28-10	1310	7637	Sat	Polish intel.	PSK	(PY)
P03	28-10	1800	9968	Sat	Polish intel.	PSK	(PY)
P03	28-10	1805	9968	Sat	Polish intel.	PSK	(PY)
P03	29-10	0530	8800	Sun	Polish intel.	PSK	(PY)
P03	29-10	0630	6891	Sun	Polish intel.	PSK	(PY)
P03	29-10	1105	7637	Sun	Polish intel.	PSK	(PY)
P03	29-10	1200	6280	Sun	Polish intel.	PSK	(PY)
P03	29-10	1205	6280	Sun	Polish intel.	PSK	(PY)
P03	29-10	1220	19515	Sun	Polish intel.	PSK	(PY)
P03	29-10	1245	6940	Sun	Polish intel.	PSK	(PY)
P03	29-10	1515	18030	Sun	Polish intel.	PSK	(PY)
P03	29-10	1725	11420	Sun	Polish intel.	PSK	(PY)
P03	29-10	1730	11420	Sun	Polish intel.	PSK	(PY)
P03	29-10	1950	11420	Sun	Polish intel.	PSK	(PY)
P03	29-10	1955	11420	Sun	Polish intel.	PSK	(PY)
P03	30-10	0615	20905	Mon	Polish intel.	PSK	(AB-POL/PY)
P03	30-10	0620	20905	Mon	Polish intel.	PSK	(AB-POL)
P03	30-10	1030	13046	Mon	Polish intel.	PSK	(PY)
P03	31-10	0430	10210	Tue	Polish intel.	PSK	(PY)
P03	31-10	0640	26756	Tue	Polish intel.	PSK	(PY)
P03	31-10	0720	16005	Tue	Polish intel.	PSK	(PY)
P03	31-10	0810	16530	Tue	Polish intel.	PSK	(AB/PY)
P03	31-10	0815	16530	Tue	Polish intel.	PSK	(AB)
P03	31-10	1100	11581	Tue	Polish intel.	PSK	(PY)
P03	31-10	1500	10800	Tue	Polish intel.	PSK	(PY)
P03	31-10	1730	11420	Tue	Polish intel.	PSK	(PY)
P03e	31-10	1725	11420	Tue	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03e	31-10	1730	11420	Tue	Polish intel.	QPSK 100Bd/488bp	(MPJ)
P03g	3-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	5-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	10-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)
P03g	12-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB/MPJ)

P03g	17-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	17-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	26-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	26-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-10	1030	13046	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	30-10	1035	03046	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	31-10	0635	26756	Tue	Polish intel.	BPSK 50Bd/464bp	(AB-POL)
P03g	31-10	0640	26756	Tue	Polish intel.	BPSK 50Bd/464bp	(AB-POL)
P03g	31-10	1100	11581	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	31-10	1106	11581	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	31-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	31-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03i	31-10	0615	12424	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	31-10	0620	12424	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	31-10	0720	16005	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	31-10	0725	16005	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03k	29-10	1950	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-10	1955	11420	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-10	1220	19515	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-10	1225	19515	Mon	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	3-10	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-10	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	10-10	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	10-10	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	12-10	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	12-10	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	17-10	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	17-10	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	19-10	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	19-10	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	24-10	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	24-10	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	26-10	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03l	26-10	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB-POL)
P03l	30-10	1200	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	30-10	1205	8545	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	31-10	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(TM)
P03l	31-10	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(TM)

P03I	31-10	1500	10800	Tue	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P03I	31-10	1505	10800	Tue	Polish intel.	QPSK 100Bd/464bp	(AB/MPJ)
P07	2-10	0600	20993	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 3m07s	2-channel OFDM	(PY)
P07	2-10	0610	19591	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 3m07s	2-channel OFDM	(PY)
P07	2-10	0620	18704	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 3m07s	2-channel OFDM	(PY)
P07	2-10	0640	16284	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 3m07s	2-channel OFDM	(PY)
P07	2-10	0650	15807	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 3m07s	2-channel OFDM	(PY)
P07	2-10	0800	20357	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 3m47s	2-channel OFDM	(PY)
P07	2-10	0810	19284	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 3m47s	2-channel OFDM	(PY)
P07	2-10	0820	18214	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 3m47s	2-channel OFDM	(PY)
P07	2-10	0830	17454	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 3m47s	2-channel OFDM	(PY)
P07	2-10	0840	16069	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 3m47s	2-channel OFDM	(PY)
P07	2-10	0850	15824	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 3m47s	2-channel OFDM	(PY)
P07	2-10	1200	20937	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m25s	2-channel OFDM	(PY)
P07	2-10	1210	20231	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m25s	2-channel OFDM	(PY)
P07	2-10	1220	19266	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m25s	2-channel OFDM	(PY)
P07	2-10	1230	18208	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m25s	2-channel OFDM	(PY)
P07	2-10	1240	17418	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m25s	2-channel OFDM	(PY)
P07	2-10	1250	15876	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m25s	2-channel OFDM	(PY)
P07	2-10	1400	16343	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	2-10	1400	18517	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	2-10	1410	15883	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)

P07	2-10	1410	18217	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	2-10	1420	14713	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	2-10	1500	14618	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	2-10	1500	18232	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	2-10	1510	13477	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	2-10	1510	17412	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	2-10	1520	12198	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	2-10	1520	15804	Mon	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	3-10	0700	20892	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m09s	2-channel OFDM	(PY)
P07	3-10	0710	20021	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m09s	2-channel OFDM	(PY)
P07	3-10	0720	18697	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m09s	2-channel OFDM	(PY)
P07	3-10	0730	17422	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m09s	2-channel OFDM	(PY)
P07	3-10	0740	16271	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m09s	2-channel OFDM	(PY)
P07	3-10	0750	15807	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m09s	2-channel OFDM	(PY)
P07	3-10	0900	20734	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m42s	2-channel OFDM	(PY)
P07	3-10	0910	19644	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m42s	2-channel OFDM	(PY)
P07	3-10	0920	18554	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m42s	2-channel OFDM	(PY)
P07	3-10	0930	17464	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m42s	2-channel OFDM	(PY)
P07	3-10	0940	16251	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m42s	2-channel OFDM	(PY)
P07	3-10	0950	15897	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m42s	2-channel OFDM	(PY)
P07	3-10	1300	20461	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)

P07	3-10	1310	18677	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	3-10	1320	17421	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	3-10	1330	15921	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	3-10	1340	14471	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	3-10	1350	13481	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 5m35s	2-channel OFDM	(PY)
P07	3-10	1500	14618	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m58s	2-channel OFDM	(PY)
P07	3-10	1500	18232	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m58s	2-channel OFDM	(PY)
P07	3-10	1510	13477	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m58s	2-channel OFDM	(PY)
P07	3-10	1510	17412	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m58s	2-channel OFDM	(PY)
P07	3-10	1520	12198	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m58s	2-channel OFDM	(PY)
P07	3-10	1520	15804	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m58s TX failure in the intro	2-channel OFDM	(PY)
P07	3-10	1600	16253	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 6m12s	2-channel OFDM	(PY)
P07	3-10	1600	17434	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 6m12s	2-channel OFDM	(PY)
P07	3-10	1610	14414	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 6m12s	2-channel OFDM	(PY)
P07	3-10	1610	14954	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 6m12s	2-channel OFDM	(PY)
P07	3-10	1620	12194	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 6m12s	2-channel OFDM	(PY)
P07	3-10	1620	13553	Tue	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 6m12s	2-channel OFDM	(PY)
P07	4-10	0800	20357	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m18s	2-channel OFDM	(PY)
P07	4-10	0810	19284	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m18s	2-channel OFDM	(PY)
P07	4-10	0820	18214	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m18s	2-channel OFDM	(PY)
P07	4-10	0830	17454	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m18s	2-channel OFDM	(PY)

P07	4-10	0840	16069	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m18s	2-channel OFDM	(PY)
P07	4-10	0850	15824	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m18s	2-channel OFDM	(PY)
P07	4-10	1200	20937	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m09s	2-channel OFDM	(PY)
P07	4-10	1210	20231	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m09s	2-channel OFDM	(PY)
P07	4-10	1220	19266	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m09s	2-channel OFDM	(PY)
P07	4-10	1230	18208	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m09s	2-channel OFDM	(PY)
P07	4-10	1240	17418	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m09s	2-channel OFDM	(PY)
P07	4-10	1250	15876	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m09s	2-channel OFDM	(PY)
P07	4-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-10	1400	16343	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m06s	2-channel OFDM	(PY)
P07	4-10	1400	18517	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m06s	2-channel OFDM	(PY)
P07	4-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-10	1410	15883	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m06s	2-channel OFDM	(PY)
P07	4-10	1410	18217	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m06s	2-channel OFDM	(PY)
P07	4-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-10	1420	14713	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 2m06s	2-channel OFDM	(PY)
P07	4-10	1430	8154	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-10	1500	14618	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m33s	2-channel OFDM	(PY)
P07	4-10	1500	18232	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m33s	2-channel OFDM	(PY)

P07	4-10	1510	13477	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m33s	2-channel OFDM	(PY)
P07	4-10	1510	17412	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m33s	2-channel OFDM	(PY)
P07	4-10	1520	12198	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m33s	2-channel OFDM	(PY)
P07	4-10	1520	15804	Wed	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 4m33s	2-channel OFDM	(PY)
P07	5-10	0700	20892	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 39s	2-channel OFDM	(PY)
P07	5-10	0710	20021	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 39s	2-channel OFDM	(PY)
P07	5-10	0720	18697	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 39s	2-channel OFDM	(PY)
P07	5-10	0730	17422	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 39s	2-channel OFDM	(PY)
P07	5-10	0740	16271	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 39s	2-channel OFDM	(PY)
P07	5-10	0750	15807	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 39s	2-channel OFDM	(PY)
P07	5-10	1300	20461	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 1m16s	2-channel OFDM	(PY)
P07	5-10	1310	18677	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 1m16s	2-channel OFDM	(PY)
P07	5-10	1320	17421	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 1m16s	2-channel OFDM	(PY)
P07	5-10	1330	15921	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 1m16s	2-channel OFDM	(PY)
P07	5-10	1340	13481	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 1m16s	2-channel OFDM	(PY)
P07	5-10	1340	14471	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 1m16s	2-channel OFDM	(PY)
P07	5-10	1500	14618	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 1m04s	2-channel OFDM	(PY)
P07	5-10	1500	18232	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 1m04s	2-channel OFDM	(PY)
P07	5-10	1510	13477	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 1m04s	2-channel OFDM	(PY)
P07	5-10	1510	17412	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 1m04s	2-channel OFDM	(PY)
P07	5-10	1520	12198	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 1m04s	2-channel OFDM	(PY)

P07	5-10	1520	15804	Thu	Russian intel. P07 variant (2-channel OFDM, no BPSK bursts, no callup, 1125Hz/2125Hz Barker intro), 1m04s	2-channel OFDM	(PY)
P07	8-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	8-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	8-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	8-10	1430	8154	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	8-10	1440	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	8-10	1450	6856	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	11-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	11-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	11-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	11-10	1430	8154	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	11-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	11-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	15-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-10	1430	8154	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-10	1440	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	15-10	1450	6856	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-10	1430	8154	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	22-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	22-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	22-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	22-10	1430	8154	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	22-10	1440	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	22-10	1450	6856	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB/MPJ)
P07	25-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-10	1430	8154	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-10	1430	8154	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	29-10	1440	7534	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	29-10	1450	6856	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	16-10	1130	4364	Mon	XSV85: messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	16-10	1151	9054	Mon	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	23-10	1132	4364	Mon	XSV85: Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	23-10	1132	8073	Mon	XSV85: Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	23-10	1441	4243	Mon	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	23-10	1441	9054	Mon	Messages //4243	4+4 QPSK 75/3000 ISB	(JPL)
Q26	28-10	2343	9054	Sat	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	29-10	0002	4364	Sun	XSV85: messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	29-10	0002	8073	Sun	XSV85: messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
S06	2-10	0400	11616	Mon	480 729 53 19563 29743 49295 ... 70626 77616 15850 729 53 00000	USB	(Subilo)
S06	2-10	0420	9322	Mon	480 729 53 19563 29743 49295 ... 70626 77616 15850 729 53 00000	USB	(Subilo)
S06	3-10	0400	11616	Tue	480 653 70 75111 13171 50203 ... 81715 43181 16444 653 70 00000	USB	(Subilo)
S06	3-10	0420	9322	Tue	480 653 70 75111 13171 50203 ... 81715 43181 16444 653 70 00000	USB	(Subilo)
S06	4-10	0400	11616	Wed	No transmission.	USB	(Subilo)
S06	4-10	0420	9322	Wed	No transmission.	USB	(Subilo)
S06	5-10	0400	11616	Thu	No transmission.	USB	(Subilo)
S06	5-10	0420	9322	Thu	No transmission.	USB	(Subilo)
S06	5-10	1325	15674	Thu	583 291 46 24225 54929 94829 ... 61282 37845 28713 291 46 00000	USB	(AB/Lac)
S06	5-10	1425	12203	Thu	583 291 46 24225 54929 94829 ... 61282 37845 28713 291 46 00000	USB	(AB/Lac)
S06	6-10	0400	11616	Fri	No transmission.	USB	(Subilo)
S06	6-10	0420	9322	Fri	No transmission.	USB	(Subilo)
S06	6-10	2000	9412	Fri	637 637 637 00000	USB	(AB/Lac/HFD)
S06	6-10	2100	6985	Fri	637 637 637 00000	USB	(AB/Lac/HFD)
S06	9-10	0400	11616	Mon	480 127 56 97601 00264 75985 ... 55848 67696 38717 127 56 00000	USB	(Subilo)
S06	9-10	0420	9322	Mon	480 127 56 97601 00264 75985 ... 55848 67696 38717 127 56 00000	USB	(Subilo)
S06	10-10	0400	11616	Tue	480 956 70 15150 32574 88952 ... 28778 59100 15150 956 70 00000	USB	(Subilo)
S06	10-10	0420	9322	Tue	480 956 70 15150 32574 88952 ... 28778 59100 15150 956 70 00000	USB	(Subilo)
S06	11-10	0400	11616	Wed	480 327 59 53788 78671 07645 ... 38044 67214 19680 327 59 00000	USB	(Subilo)
S06	11-10	0420	9322	Wed	480 327 59 53788 78671 07645 ... 38044 67214 19680 327 59 00000	USB	(Subilo)
S06	12-10	0400	11616	Thu	480 195 60 20113 39522 34174 ... 50088 25663 69744 195 60 00000	USB	(Subilo)
S06	12-10	0420	9322	Thu	480 195 60 20113 39522 34174 ... 50088 25663 69744 195 60 00000	USB	(Subilo)
S06	13-10	0400	11616	Fri	480 632 57 52349 74182 25482 ... 86693 63653 76090 632 57 0000	USB	(Subilo)
S06	13-10	0420	9322	Fri	480 632 57 52349 74182 25482 ... 86693 63653 76090 632 57 0000	USB	(Subilo)
S06	13-10	1010	11073	Fri	352 98764 23960 07626 ... 55462 48492 34949 974 32 00000	USB	(AB/EW/PY)
S06	15-10	1121	11073	Sun	1200Hz test tones then S06 352 once	USB	(PY)
S06	15-10	1130	11073	Sun	352 (R4m) 479 30 31973 82732 23458 ... 27653 49942 17977 479 30 00000	USB	(PY)
S06	15-10	1828	10755	Sun	1200Hz test tones then S06 975 once	USB	(PY)
S06	15-10	1840	10755	Sun	975 812 60 05429 64801 34059 ... 77188 06305 70440 812 60 00000	USB	(PY)
S06	16-10	0400	11616	Mon	480 791 53 99115 48031 72280 ... 03072 27071 05355 791 53 00000	USB	(Subilo)
S06	16-10	0420	9322	Mon	480 791 53 99115 48031 72280 ... 03072 27071 05355 791 53 00000	USB	(Subilo)

S06	17-10	0400	11616	Tue	480 562 59 91837 64425 17257 ... 10188 99761 01132 562 59 00000	USB	(Subilo)
S06	17-10	0420	9322	Tue	480 562 59 91837 64425 17257 ... 10188 99761 01132 562 59 00000	USB	(Subilo)
S06	17-10	1229	10755	Tue	1200Hz test tones then S06 975 once	USB	(PY)
S06	17-10	1240	10755	Tue	975 975 975 00000 (R4m12s) 00000	USB	(PY)
S06	18-10	0400	11616	Wed	480 937 62 62549 88399 93807 ... 88255 01007 73865 937 62 00000	USB	(Subilo)
S06	18-10	0420	9322	Wed	480 937 62 62549 88399 93807 ... 88255 01007 73865 937 62 00000	USB	(Subilo)
S06	19-10	0400	11616	Thu	480 512 63 62549 88399 93807 ... 01007 73865 74846 512 63 00000	USB	(Subilo)
S06	19-10	0420	9322	Thu	480 512 63 62549 88399 93807 ... 01007 73865 74846 512 63 00000	USB	(Subilo)
S06	20-10	0400	11616	Fri	480 367 58 93760 47862 48457 ... 64065 38747 79742 367 58 00000	USB	(Subilo)
S06	20-10	0420	9322	Fri	480 367 58 93760 47862 48457 ... 64065 38747 79742 367 58 00000	USB	(Subilo)
S06	20-10	2000	9417	Fri	637 637 637 00000	USB	(AB)
S06	20-10	2100	6985	Fri	637 637 637 00000	USB	(AB)
S06	21-10	1610	11073	Sat	1200Hz test tones then S06 352 once	USB	(PY)
S06	21-10	1621	11073	Sat	352 841 60 01734 18413 32218 ... 14898 05654 05516 841 60 00000	USB	(PY)
S06	23-10	0400	11616	Mon	480 951 62 46887 89106 99305 ... 77384 17207 19796 951 62 00000	USB	(Subilo)
S06	23-10	0420	9322	Mon	480 951 62 46887 89106 99305 ... 77384 17207 19796 951 62 00000	USB	(Subilo)
S06	24-10	0400	11616	Tue	480 237 58 57574 00186 16586 ... 63392 05157 46203 237 58 00000	USB	(Subilo)
S06	24-10	0420	9322	Tue	480 237 58 57574 00186 16586 ... 63392 05157 46203 237 58 00000	USB	(Subilo)
S06	25-10	0400	11616	Wed	480 691 51 21895 29024 60791 ... 98859 41906 42281 691 51 00000	USB	(Subilo)
S06	25-10	0420	9322	Wed	480 691 51 21895 29024 60791 ... 98859 41906 42281 691 51 00000	USB	(Subilo)
S06	26-10	0400	11616	Thu	480 523 60 10305 29015 34926 ... 59726 84991 18167 523 60 00000	USB	(Subilo)
S06	26-10	0420	9322	Thu	480 523 60 10305 29015 34926 ... 59726 84991 18167 523 60 00000	USB	(Subilo)
S06	27-10	0400	11616	Fri	480 716 53 56539 31466 16433 ... 41034 22658 45240 716 53 00000	USB	(Subilo)
S06	27-10	0420	9322	Fri	480 716 53 56539 31466 16433 ... 41034 22658 45240 716 53 00000	USB	(Subilo)
S06	30-10	0400	11616	Mon	480 592 61 38982 08102 57830 ... 78584 23962 87646 592 61 00000	USB	(Subilo)
S06	30-10	0420	9322	Mon	480 592 61 38982 08102 57830 ... 78584 23962 87646 592 61 00000	USB	(Subilo)
S06	31-10	0400	11616	Tue	480 763 51 99734 26141 17991 ... 28356 81423 88501 763 51 00000	USB	(Subilo)
S06	31-10	0420	9322	Tue	480 763 51 99734 26141 17991 ... 28356 81423 88501 763 51 00000	USB	(Subilo)
S06b	4-10	1325	15674	Wed	583 706 2 66666 00056 706 2 583 291 46 24225 54929 94829 ... 61282 37845 28713 291 46 00000	USB	(AB/PY/sse)
S06b	4-10	1325	15674	Wed	583 706 2 66666 00056 706 2 583 291 46 24225 54929 94829 ... 61282 37845 28713 291 46 00000	USB	(AB/PY/sse)
S06b	4-10	1425	12203	Wed	583 706 2 66666 00056 706 2 583 291 46 24225 54929 94829 ... 61282 37845 28713 291 46 00000	USB	(AB/MPJ/PY/sse)
S06b	4-10	1425	12203	Wed	583 706 2 66666 00056 706 2 583 291 46 24225 54929 94829 ... 61282 37845 28713 291 46 00000	USB	(AB/MPJ/PY/sse)
S06c	25-10	1625	14971	Wed	800Hz test tone followed by 11186 (R4m)	USB	(PY)
S06c	25-10	1635	14971	Wed	11186 (R4m)	USB	(PY)
S06c	25-10	1645	12124	Wed	11186 (R4m)	USB	(PY)
S06e	23-10	1142	9463	Mon	1200Hz test tones then S06 801 once	USB	(PY)
S06e	23-10	1150	9463	Mon	801 376 24 63425 38273 48978 ... 63290 10515 02127 376 24 801 549 36 12019 99695 99701 59819 ...	USB	(PY)

S11a	1-10	0830	6433	Sun	376/00 Konets	USB	(AB)
S11a	2-10	0700	8597	Mon	476/00 Konets	USB	(AB/Lac)
S11a	2-10	0915	6480	Mon	480/00 Konets	USB	(AB/Lac)
S11a	3-10	0445	10728	Tue	796/00 Konets	USB	(AB)
S11a	3-10	1400	11420	Tue	427/00 Konets	USB	(AB/Lac)
S11a	4-10	0510	23004	Wed	656/00 Konets	USB	(AB-POL)
S11a	4-10	0725	21854	Wed	380/31 Vnimanije 82742 79277 12517 ... 39349 82638 32791 Vnimanije (msg rptd) Konets	USB	(AB-POL)
S11a	4-10	1850	10213	Wed	280/00 Konets	USB	(AB/MPJ/Lac)
S11a	5-10	0700	8597	Thu	479/00 Konets	USB	(AB)
S11a	6-10	0725	21854	Fri	380/31 Vnimanije 82742 79277 12517 ... 39349 82638 32791 Vnimanije (msg rptd) Konets	USB	(AB-POL/Lac)
S11a	6-10	0915	6480	Fri	481/00 Konets	USB	(AB-POL)
S11a	6-10	1400	11420	Fri	425/00 Konets	USB	(AB)
S11a	7-10	0830	6433	Sat	370/34 Vnimanije 62574 08012 59887 ... 72042 60797 72919 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	7-10	0830	6433	Sat	370/34 Vnimanije 62574 08012 59887 35282 25063	USB	(Lac)
S11a	7-10	1850	10213	Sat	287/00 Konets	USB	(AB/Lac)
S11a	8-10	0830	6433	Sun	370/34 Vnimanije 62574 08012 59887 ... 72042 60797 72919 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	9-10	0700	8597	Mon	476/39 Vnimanije 38851 50817 77434 ... 77424 76646 37886 Vnimanije (msg rptd) Konets	USB	(AB/Lac)
S11a	9-10	0915	6480	Mon	487/00 Konets	USB	(AB)
S11a	10-10	0445	10728	Tue	799/35 Vnimanije 55607 16240 25620 ... 16219 85877 42133 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	10-10	1400	11420	Tue	422/00 Konets	USB	(AB/Lac)
S11a	11-10	0715	15632	Wed	750/00	USB	(Lac)
S11a	11-10	0725	21854	Wed	381/00 Konets	USB	(AB-POL/Lac)
S11a	11-10	0745	17410	Wed	344/00	USB	(Lac)
S11a	11-10	1850	10213	Wed	288/00 Konets	USB	(AB/Lac)
S11a	12-10	0445	10728	Thu	799/35 Vnimanije 55607 16240 25620 ... 16219 85877 42133 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	12-10	0700	8597	Thu	476/39 Vnimanije 38851 50817 77434 ... 77424 76646 37886 Vnimanije (msg rptd) Konets	USB	(AB/Lac)
S11a	13-10	0725	21854	Fri	383/00 Konets	USB	(AB-POL)
S11a	13-10	0915	6480	Fri	482/00 Konets	USB	(AB-POL)
S11a	13-10	1400	11420	Fri	425/00 Konets	USB	(AB)
S11a	14-10	0830	6433	Sat	377/00 Konets	USB	(AB)
S11a	14-10	1850	10213	Sat	284/00 Konets	USB	(AB)
S11a	15-10	0830	6433	Sun	376/00 Konets	USB	(AB)
S11a	16-10	0510	23004	Mon	650/39 Vnimanije 85644 36923 67415 ... 09270 34135 47989 Vnimanije (msg rptd) Konets	USB	(AB-POL/HFD-POL)
S11a	16-10	0700	8597	Mon	478/00 Konets	USB	(AB/Lac)
S11a	16-10	0915	6480	Mon	482/00 Konets	USB	(AB)
S11a	17-10	0445	10728	Tue	794/00 Konets	USB	(AB)
S11a	17-10	1400	11420	Tue	421/00 Konets	USB	(AB/Lac)
S11a	18-10	0510	23004	Wed	650/39 Vnimanije 85644 36923 67415 ... 09270 34135 47989 Vnimanije (msg rptd) Konets	CW	(AB-POL)
S11a	18-10	0725	21854	Wed	384/00 Konets	USB	(AB-POL)
S11a	18-10	1850	10213	Wed	285/00 Konets	USB	(AB)
S11a	19-10	0445	10728	Thu	794/00 Konets	USB	(AB)
S11a	19-10	0700	8597	Thu	478/00 Konets	USB	(AB/Lac)

S11a	20-10	0725	21854	Fri	381/00 Konets	USB	(AB-POL)
S11a	20-10	0915	6480	Fri	481/00 Konets	USB	(AB-POL)
S11a	20-10	1400	11420	Fri	420/00 Konets	USB	(AB)
S11a	21-10	0830	6433	Sat	378/00 Konets	USB	(AB/Lac)
S11a	21-10	1850	10213	Sat	286/00 Konets	USB	(AB)
S11a	22-10	0830	6433	Sun	373/00 Konets	USB	(AB)
S11a	23-10	0510	23004	Mon	659/00 Konets	USB	(AB-POL)
S11a	23-10	0700	8597	Mon	479/00 Konets	USB	(AB/Lac)
S11a	23-10	0915	6480	Mon	483/34 Vnmaniye 75375 90385 99740 ... 31244 28011 19010 Vnmaniye (msg rptd) Konets	USB	(AB-POL/Lac)
S11a	24-10	0445	10728	Tue	797/00 Konets	USB	(AB-POL)
S11a	24-10	1400	11420	Tue	422/36 Vnmaniye 28355 64136 55706 ... 10294 94423 10378 Vnmaniye (msg rptd) Konets	USB	(AB/Lac)
S11a	25-10	0510	23004	Wed	652/00 Konets	CW	(AB-POL)
S11a	25-10	0725	21854	Wed	384/00 Konets	USB	(AB-POL/Lac)
S11a	25-10	1850	10213	Wed	287/31 Vnmaniye 00051 64692 89692 ... 96728 13049 01596 Vnmaniye (msg rptd) Konets	USB	(AB/Lac)
S11a	26-10	0445	10728	Thu	793/00 Konets	USB	(AB)
S11a	26-10	0700	8597	Thu	472/00 Konets	USB	(AB/Lac)
S11a	27-10	0725	21854	Fri	380/00 Konets	USB	(AB-POL/Lac)
S11a	27-10	0915	6480	Fri	483/34 Vnmaniye 75375 90385 99740 ... 31244 28011 19010 Vnmaniye (msg rptd) Konets	USB	(AB-POL/Lac)
S11a	27-10	1400	11420	Fri	422/36 Vnmaniye 28355 64136 55706 ... 10294 94423 10378 Vnmaniye (msg rptd) Konets	USB	(AB)
S11a	28-10	0830	6433	Sat	376/00 Konets	USB	(AB)
S11a	28-10	1850	10213	Sat	287/31 Vnmaniye 00051 64692 89692 ... 96728 13049 01596 Vnmaniye (msg rptd) Konets	USB	(AB)
S11a	29-10	0830	6433	Sun	370/00 Konets	USB	(AB/Lac)
S11a	30-10	0700	8597	Mon	470/00 Konets	USB	(AB)
S11a	30-10	0915	6480	Mon	482/00 Konets	USB	(AB-POL)
S11a	31-10	0445	10728	Tue	791/00 Konets	USB	(TM)
S11a	31-10	1400	11420	Tue	424/00 Konets	USB	(AB/MPJ)
S28	6-10	0458	4625	Fri	Buzzer: Russian channel marker	USB	(ChPa)
S28	7-10	0517	4625	Sat	Buzzer: Russian military channel marker	USB	(ChPa)
S28	7-10	0517	4625	Sat	Buzzer: Russian channel marker	USB	(ChPa)
S28	13-10	0459	4625	Fri	Buzzer: Russian military channel marker	USB	(ChPa)
S28	18-10	0516	4625	Wed	Buzzer: Russian military channel marker	USB	(ChPa)
S28	22-10	0444	4625	Sun	Buzzer: Russian military channel marker	USB	(ChPa)
S30	6-10	0501	5448	Fri	Pip: Russian channel marker	USB	(ChPa)
S30	22-10	0446	5448	Sun	Pip: Russian military channel marker	USB	(ChPa)
S30	23-10	2147	3756	Mon	Pip: Russian military channel marker	USB	(AB)
S32	28-10	1752	3363.5	Sat	Russian military channel marker Pip instead of Squeaky Wheel	USB	(AB)
S32	29-10	1834	3363.5	Sun	Russian military channel marker Pip instead of Squeaky Wheel	USB	(AB)
UM01	18-10	0700	4735	Wed	VVV VVV PROMRCh = 18 10 = 1000 1090 1130 1300 1820 ... 0800 0870 0920 1080 1550 = AR	CW	(AB-HNG)
UM01	25-10	0700	4735	Wed	VVV VVV PROMRCh = 25 10 = 1000 1100 1140 1310 1840 ... 0800 0880 0930 1090 1570 = AR	CW	(AB-HNG)
UM04	1-10	0700	4735	Sun	VVV VVV PROMRCh = 01 10 = 1000 0900 0940 1080 1520 ... 0800 0740 0780 0920 1330 = AR	CW	(Subilo)
UM04	2-10	0700	4735	Mon	VVV VVV PROMRCh = 02 10 = 1000 0900 0940 1080 1510 ... 0800 0740 0780 0920 1320 = AR	CW	(Subilo)
UM04	3-10	0700	4735	Tue	VVV VVV PROMRCh = 03 10 = 1000 0900 0940 1080 1530 ... 0800 0740 0780 0920 1330 = AR	CW	(AB-HNG)

UM04	4-10	0700	4735	Wed	VVVVV PROMRCh = 0410 = 1000 0920 0960 1100 1550 ... 0800 0750 0790 0930 1350 = AR	CW	(Subilo)
UM04	5-10	0700	4735	Thu	VVV VVV PROMRCh = 05 10 = 1000 0930 0970 1110 1570 ... 0800 0760 0800 0940 1360 = AR	CW	(Subilo)
UM04	6-10	0700	4735	Fri	VVVVV PROMRCh = 06 10 = 1000 0940 0990 1130 1590 ... 0800 0770 0810 0960 1380 = AR	CW	(AB-HNG)
UM04	7-10	0700	4735	Sat	VVV VVV PROMRCh = 07 10 = 1000 0950 0990 1140 1610 ... 0800 0780 0820 0970 1390 = AR	CW	(AB-HNG)
UM04	8-10	0700	4735	Sun	VVVVV PROMRCh = 0810 = 1000 0960 1010 1200 1620 ... 0800 0780 0830 0970 1400 = AR	CW	(AB-HNG)
UM04	9-10	0700	4735	Mon	VVV VVV PROMRCh = 09 10 = 1000 0970 1020 1170 1640 ... 0800 0790 0840 0980 1410 = AR	CW	(AB)
UM04	10-10	0700	4735	Tue	VVV VVV PROMRCh = 10 10 = 1000 1000 1040 1190 1670 ... 0800 0810 0850 1000 1440 = AR	CW	(AB-HNG)
UM04	11-10	0700	4735	Wed	VVVVV PROMRCh = 1110 = 1000 1020 1060 1220 1700 ... 0800 0820 0870 1020 1460 = AR	CW	(Subilo)
UM04	12-10	0700	4735	Thu	VVV VVV PROMRCh = 12 10 = 1000 1030 1080 1230 1720 ... 0800 0830 0880 1030 1480 = AR	CW	(AB-HNG)
UM04	13-10	0700	4735	Fri	VVVVV PROMRCh = 13 10 = 1000 1040 1090 1250 1740 ... 0800 0840 0880 1040 1490 = AR	CW	(AB-HNG)
UM04	14-10	0700	4735	Sat	VVVVV PROMRCh = 14 10 = 1000 1050 1100 1260 1760 ... 0800 0850 0890 1050 1500 = AR	CW	(AB-HNG)
UM04	15-10	0700	4735	Sun	VVV VVV PROMRCh = 15 10 = 1000 1060 1100 1270 1770 ... 0800 0850 0900 1060 1510 = AR	CW	(AB-HNG)
UM04	15-10	0700	4735	Sun	VVV VVV PROMRCh = 15 10 = 1000 1060 1100 1270 1770 ... 0800 0850 0900 1060 1510 = AR	CW	(Subilo)
UM04	16-10	0700	4735	Mon	VVV VVV PROMRCh = 16 10 = 1000 1070 1120 1280 1790 ... 0800 0860 0910 1060 1530 = AR	CW	(AB-HNG)
UM04	17-10	0700	4735	Tue	VVVVV PROMRCh = 1710 = 1000 1080 1130 1290 1810 ... 0800 0870 0920 1080 1550 = AR	CW	(Subilo)
UM04	19-10	0700	4735	Thu	VVV VVV PROMRCh = 19 10 = 1000 1100 1140 1310 1840 ... 0800 0880 0930 1090 1560 = AR	CW	(AB-HNG/Subilo)
UM04	20-10	0700	4735	Fri	VVV VVV PROMRCh = 20 10 = 1000 1100 1150 1020 1850 ... 0800 0890 0930 1090 1570 = AR	CW	(AB-HNG)
UM04	21-10	0705	4735	Sat	VVV VVV PROMRCh = 21 10 = 1000 1110 1160 1330 1860 ... 1800 0890 0940 1100 1580 = AR	CW	(AB-HNG)
UM04	22-10	0700	4735	Sun	VVV VVV PROMRCh = 22 10 = 1000 1110 1250 1330 1860 ... 0800 0890 0940 1100 1580 = AR	CW	(AB-ROU)
UM04	23-10	0700	4735	Mon	VVV VVV PROMRCh = 2310 = 1000 1110 1200 1330 1860 ... 0800 0890 0940 1100 1580 = AR	CW	(AB-HNG)
UM04	24-10	0659	4735	Tue	VVV VVV PROMRCh = 24 10 = 1000 1100 1150 1320 1850 ... 0800 0890 0930 1100 1580 = AR	CW	(AB-HNG)
UM04	26-10	0700	4735	Thu	VVVVV PROMRCh = 2610 = 1000 1090 1130 1310 1840 ... 0800 0870 0920 1080 1530 = AR	CW	(Subilo)
UM04	27-10	0700	4735	Fri	VVV VVV PROMRCh = 27 10 = 1000 1080 1130 1300 1820 ... 0800 0870 0920 1080 1550 = AR	CW	(Subilo)
UM04	28-10	0659	4735	Sat	VVV VVV PROMRCh = 28 10 = 1000 1080 1120 1290 1810 ... 0800 0870 0920 1080 1550 = AR	CW	(AB-HNG)
UM04	29-10	0700	4735	Sun	VVVVV PROMRCh = 29 10 = 1000 1070 1120 1290 1820 ... 0800 0870 0910 1070 1550 = AR	CW	(Subilo)
UM04	30-10	0800	4735	Mon	VVV VVV PROMRCh = 30 10 = 1000 1050 1100 1270 1790 ... 0800 0860 0900 1070 1540 = AR	CW	(AB-HNG)
UM04	31-10	0800	4735	Tue	VVV VVV PROMRCh = 31 10 = 1000 1060 1110 1270 1800 ... 0800 0850 0900 1060 1530 = AR	CW	(AB-HNG)
UM05	17-10	0530	5345.8	Tue	Unid station: T, Maladie, Education, Arbre, Cahier, etc.	CW	(AB)
UM05	17-10	1810	5345.8	Tue	Unid station: Septembre, Classe, Z, Pantalon, Requin	CW	(AB)
UM05	17-10	1900	5345.8	Tue	Unid station: Sujet, Tunnel, Lac, I, Pluie, Desert	CW	(AB)
UM05	17-10	2000	5345.8	Tue	Unid station: Chanson, Football, etc.	CW	(AB)
UM05	18-10	0516	5345.8	Wed	Unid station sending word loops	USB	(ChPa)
UM05	18-10	0825	5345.8	Wed	Unid station: Wombat, 9, Eruption, B, Echarpe	CW	(AB)
UM05	18-10	1630	5345.8	Wed	Unid station: Scene, Verre, Jeudi, Etude	CW	(AB-F)
UM05	18-10	2125	5345.8	Wed	Unid station: Q, K, C, Television, Aout, G, Volcan, 8, Terre	CW	(AB-F)
UM05	19-10	1557	5345.8	Thu	Unid station: Pluie, Cyclisme, Campagne, Direction, Wombat, Oreiller	CW	(AB)
UM05	20-10	0457	5345.8	Fri	Unid station: Takahe, Albatros, Lecture, Musee, Mercredi, Mardi, Octobre, Yoga, Novembre, Chat, Banane, Soleil, Mai, Papillon, Lune, The, Tomate, Couleur, Vin, Moto, Oasis	CW	(AB)
UM05	21-10	1020	5345.8	Sat	Unid station: Lavabo, Tramway, Recif, etc	CW	(MPJ)
UM05	22-10	0633	5345.8	Sun	Unid station: Poire, Viande, Oiseau, Diplome, Etudiant,	CW	(AB)
UM05	22-10	1755	5345.8	Sun	Unid station: M Route, Autoroute, Evier, Pingouin, Terre, Fumee, Hirondelle, Moineau, Cacher, Manger	CW	(AB)

UM05	23-10	0535	5345.8	Mon	Unid station: Maison, Bureau, Carotte, Q, Chaise, Coline, Ordinateur, G, Passage, Distance, Poisson, Champ, Volcan, Destination, Roman	CW	(AB)
UM05	24-10	0930	5345.8	Tue	Unid station: Peinture, K, Air, Clair, Appartement, Construire, Concept, 1, Arcenciel, A	CW	(AB)
UM05	25-10	0517	5345.8	Wed	Unid station: Ville, Theme, Lac, Problem, M,	CW	(AB)
UM05	25-10	1929	5345.8	Wed	Unid station: N, Lire, D, Q, O, Bague, Mai	CW	(AB)
UM05	26-10	0000	5345.8	Thu	Unid station: Q, Baie, L, C, Hpital, O, Novembre, Bague, Pluton, Fenetre, F, Juin, Symbole, Koala, Feu, Train, Pull, Television, Kakapo, S, Atmosphere, Terre, Recherche	CW	(AB)
UM05	27-10	0457	5345.8	Fri	Unid station: Le, Camion, Horloge, Montagne, U, Parc, Assiette, Parent, Part, Probleme, Fraises, Television, Terre	CW	(AB)
UM05	28-10	0655	5345.8	Sat	Unid station: Juillet, Suggestion, Direction, Colline, Asterode, B, X, Sousmarin, Le, Marron	CW	(AB)
UM05	28-10	1520	5345.8	Sat	Unid station: Kiwi, Joie, Bureau, Lapin, Note, R, Natation, P, Nature, Pleurer, R, Phrase	CW	(AB)
UM05	29-10	0616	5345.8	Sun	Unid station: Arbre, Rocher, Devouverte, Examen, Musee, Velo, Coq, Lune	CW	(AB)
UM05	30-10	0428	5345.8	Mon	Unid station: Pinson, Soleil, Avion, Equilibre, Coq, Meduse, Sable	CW	(AB)
UM05	31-10	1707	5345.8	Tue	Unid station: Eruption, Dormir, Mer, Four, Exposition, Requin, Point de vue	CW	(AB)
UM10	19-10	1722	3238	Thu	10-minutes net: D6AN	CW	(JPL-TWN)
UM10	19-10	1728	3698	Thu	10-minutes net: D6AN	CW	(JPL-TWN)
V07	8-10	0200	18217	Sun	238 238 238 1 364 99 364 99 67120 95278 55541 ... 52094 73016 00788 000 000	USB	(Dan)
V07	15-10	0200	18217	Sun	238 238 238 1 8367 125 8367 125 27462 68317 56914 ... 02268 39540 89561 000 000	USB	(Dan/HFD-USA)
V07	15-10	0220	16317	Sun	238 238 238 1 8367 125 8367 125 27462 68317 56914 ... 02268 39540 89561 000 000	USB	(HFD-USA)
V07	15-10	0240	15817	Sun	238 238 238 1 8367 125 8367 125 27462 68317 56914 ... 02268 39540 89561 000 000	USB	(HFD)
V07	22-10	0200	18217	Sun	238 238 238 1 719 59 719 59 41316 55917 09428 ... 88574 40685 31481 000 000	USB	(Dan)
V07	29-10	0200	18217	Sun	238 238 238 1 695 87 695 87 21631 29781 49905 ... 91611 80228 91935 000 000	USB	(Dan)
V13	12-10	0500	8169	Thu	New Star Broadcasting	USB	(HFD)
V13	20-10	1200	9276	Fri	New Star Broadcasting	USB	(AB-KOR)
V13	20-10	1200	13974	Fri	New Star Broadcasting	USB	(AB-KOR)
V26	23-10	1130	4364	Mon	Callup in Chinese voice //8073	USB	(JPL)
V26	23-10	1130	8073	Mon	Callup in Chinese voice //4364	USB	(JPL)
V26	28-10	2340	9054	Sat	Callup in Chinese voice	USB	(JPL)
V26	29-10	0001	4364	Sun	XSV85: callup in Chinese voice. Male operator //4364	USB	(JPL)
V26	29-10	0001	8073	Sun	XSV85: callup in Chinese voice. Male operator //4364	USB	(JPL)
V28	6-10	2202	4947	Fri	Parrot	AM	(HK)
V28	6-10	2202	5487	Fri	Parrot	AM	(HK)
X06	2-10	0715	12122	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(Moon)
X06	2-10	0744	14377	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(Moon)
X06	2-10	0814	11438	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(Moon)
X06	2-10	0925	20675	Mon	MFA Moscow clg 641523: Russian embassy Lusaka	MFSK-6	(RO)
X06	3-10	0751	13524	Tue	MFA Moscow clg 125643: Russian embassy Ulaan Baatar	MFSK-6	(RO)
X06	3-10	0833	13401	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(RO)
X06	4-10	0715	19878	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(Moon)
X06	4-10	1106	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(Moon)
X06	5-10	0753	18575	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(AB/RO)
X06	8-10	1120	16060	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)

X06	9-10	0833	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(Moon)
X06	9-10	0942	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB/Moon)
X06	9-10	1235	14683	Mon	MFA Moscow clg 364152: Russian embassy New Delhi	MFSK-6	(RO)
X06	10-10	0806	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(Moon)
X06	10-10	0821	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(RO)
X06	10-10	1007	20813	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(Moon)
X06	11-10	0820	13419	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(Moon)
X06	16-10	0822	13395	Mon	MFA Moscow clg 532614: Russian embassy Paris	MFSK-6	(AB/RO)
X06	17-10	0751	14615	Tue	MFA Moscow clg 125643: Russian embassy Ulaanbataar	MFSK-6	(RO)
X06	17-10	0832	13401	Tue	MFA Moscow clg Russian embassy Rome	MFSK-6	(RO)
X06	18-10	1104	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB/RO)
X06	18-10	1114	14650	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(RO)
X06	19-10	0723	21825	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo. Mixing with a Serdolik v2 selcal	MFSK-6	(AB)
X06	19-10	0735	19141	Thu	MFA Moscow clg Russian embassy Nairobi	MFSK-6	(RO)
X06	19-10	0740	19511	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(RO)
X06	19-10	0758	17534	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(AB/RO)
X06	20-10	1024	12194	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(RO)
X06	22-10	1141	16060	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
X06	23-10	0931	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB/RO)
X06	24-10	0815	11545	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(AB/RO)
X06	24-10	1009	17470	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(RO)
X06	24-10	1144	18260	Tue	Test 123456 (R 16min)	MFSK-6	(AB)
X06	25-10	0722	20950	Wed	MFA Moscow. Too short to identify	MFSK-6	(RO)
X06	25-10	0724	20950	Wed	MFA Moscow clg 435621: Russian embassy Maputo	MFSK-6	(AB/RO)
X06	25-10	0739	13369	Wed	MFA Moscow clg 154263: Russian embassy Rome (R 2min)	MFSK-6	(AB)
X06	25-10	0743	13369	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(AB/RO)
X06	25-10	0803	10172	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(AB/RO)
X06	25-10	0804	10170	Wed	MFA Moscow clg 465132: Russian embassy Sofia (Mixing with 10172 kHz but not in in synch)	MFSK-6	(AB/RO)
X06	25-10	0900	18245	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(RO)
X06	26-10	0819	16153	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(RO)
X06	27-10	1008	17463	Fri	MFA Moscow clg 256134: Russian embassy Abidjan	MFSK-6	(RO)
X06	27-10	1035	17463	Fri	MFA Moscow clg 256134: Russian embassy Abidjan	MFSK-6	(AB)
XPA1	4-10	1210	14564	Wed	554 554 554 000 09674 00001 00000 36270	MFSK-20/10Bd	(AB/HFD)
XPA1	4-10	1230	13564	Wed	554 554 554 000 09674 00001 00000 36270	MFSK-20/10Bd	(AB/HFD)
XPA1	4-10	1250	11464	Wed	554 554 554 000 09674 00001 00000 36270	MFSK-20/10Bd	(AB/HFD)
XPA1	6-10	1210	14564	Fri	554 554 554 000 01419 00001 00000 37652	MFSK-20/10Bd	(AB/MPJ)
XPA1	6-10	1230	13564	Fri	554 554 554 000 01419 00001 00000 37652	MFSK-20/10Bd	(AB/MPJ)
XPA1	6-10	1250	11464	Fri	554 554 554 000 01419 00001 00000 37652	MFSK-20/10Bd	(AB/MPJ)
XPA1	11-10	1210	14564	Wed	554 554 554 1 05347 00095 79196 ... 24900 64483 20007	MFSK-20/10Bd	(AB)
XPA1	11-10	1230	13564	Wed	554 554 554 1 05347 00095 79196 ... 24900 64483 20007	MFSK-20/10Bd	(AB)
XPA1	11-10	1250	11464	Wed	554 554 554 1 05347 00095 79196 ... 24900 64483 20007	MFSK-20/10Bd	(AB)

XPA1	13-10	1210	14564	Fri	554 554 554 1 05347 00095 79196 ... 24900 64483 20007	MFSK-20/10Bd	(AB)
XPA1	13-10	1230	13564	Fri	554 554 554 1 05347 00095 79196 ... 24900 64483 20007	MFSK-20/10Bd	(AB)
XPA1	13-10	1250	11464	Fri	554 554 554 1 05347 00095 79196 ... 24900 64483 20007	MFSK-20/10Bd	(AB)
XPA1	18-10	1210	14564	Wed	554 554 554 1 05347 00095 79196 ... 24900 64483 20007	MFSK-20/10Bd	(AB)
XPA1	18-10	1230	13564	Wed	554 554 554 1 05347 00095 79196 ... 24900 64483 20007	MFSK-20/10Bd	(AB)
XPA1	18-10	1250	11464	Wed	554 554 554 1 05347 00095 79196 ... 24900 64483 20007	MFSK-20/10Bd	(AB)
XPA1	20-10	1210	14564	Fri	554 554 554 1 05347 00095 79196 ... 24900 64483 20007	MFSK-20/10Bd	(AB)
XPA1	20-10	1230	13564	Fri	554 554 554 1 05347 00095 79196 ... 24900 64483 20007	MFSK-20/10Bd	(AB)
XPA1	20-10	1250	11464	Fri	554 554 554 1 05347 00095 79196 ... 24900 64483 20007	MFSK-20/10Bd	(AB)
XPA1	25-10	1210	14564	Wed	554 554 554 1 06605 00056 84096 ... 14925 64148 54736	MFSK-20/10Bd	(AB)
XPA1	25-10	1230	13564	Wed	554 554 554 1 06605 00056 84096 ... 14925 64148 54736	MFSK-20/10Bd	(AB)
XPA1	25-10	1250	11464	Wed	554 554 554 1 06605 00056 84096 ... 14925 64148 54736	MFSK-20/10Bd	(AB)
XPA1	27-10	1210	14564	Fri	554 554 554 1 06605 00056 84096 ... 14925 64148 54736	MFSK-20/10Bd	(AB)
XPA1	27-10	1230	13564	Fri	554 554 554 1 06605 00056 84096 ... 14925 64148 54736	MFSK-20/10Bd	(AB)
XPA1	27-10	1250	11464	Fri	554 554 554 1 06605 00056 84096 ... 14925 64148 54736	MFSK-20/10Bd	(AB)
XPA2	1-10	0800	15958	Sun	00539 00095 66946 ... 41861 66392 40352	MFSK-16/20Bd	(AB)
XPA2	1-10	0820	17458	Sun	00539 00095 66946 ... 41861 66392 40352	MFSK-16/20Bd	(AB)
XPA2	1-10	0840	18758	Sun	00539 00095 66946 ... 41861 66392 40352	MFSK-16/20Bd	(AB)
XPA2	1-10	1200	14469	Sun	00541 00089 05529 ... 14885 27250 54261	MFSK-16/20Bd	(AB/MPJ)
XPA2	1-10	1220	16169	Sun	00541 00089 05529 ... 14885 27250 54261	MFSK-16/20Bd	(AB/MPJ)
XPA2	1-10	1240	17469	Sun	00541 00089 05529 ... 14885 27250 54261	MFSK-16/20Bd	(AB/MPJ)
XPA2	2-10	0700	13372	Mon	03750 00001 00000 34660	MFSK-16/20Bd	(AB/HFD)
XPA2	2-10	0720	14672	Mon	03750 00001 00000 34660	MFSK-16/20Bd	(AB/HFD)
XPA2	2-10	0740	15872	Mon	03750 00001 00000 34660	MFSK-16/20Bd	(AB/HFD)
XPA2	2-10	0910	17471	Mon	08394 00001 00000 34671	MFSK-16/20Bd	(AB)
XPA2	2-10	0930	16149	Mon	08394 00001 00000 34671	MFSK-16/20Bd	(AB)
XPA2	2-10	0950	14406	Mon	08394 00001 00000 34671	MFSK-16/20Bd	(AB)
XPA2	2-10	1500	13906	Mon	08782 00001 00000 35670	MFSK-16/20Bd	(AB)
XPA2	2-10	1520	12106	Mon	08782 00001 00000 35670	MFSK-16/20Bd	(AB)
XPA2	2-10	1540	10906	Mon	08782 00001 00000 35670	MFSK-16/20Bd	(AB)
XPA2	3-10	0500	10238	Tue	06699 00079 32762 ... 11099 29190 32165	MFSK-16/20Bd	(AB)
XPA2	3-10	0520	11138	Tue	06699 00079 32762 ... 11099 29190 32165	MFSK-16/20Bd	(AB)
XPA2	3-10	0540	12138	Tue	06699 00079 32762 ... 11099 29190 32165	MFSK-16/20Bd	(AB)
XPA2	3-10	1100	14537	Tue	02546 00061 26916 ... 87718 01254 06227	MFSK-16/20Bd	(AB)
XPA2	3-10	1120	13437	Tue	02546 00061 26916 ... 87718 01254 06227	MFSK-16/20Bd	(AB)
XPA2	3-10	1140	10737	Tue	02546 00061 26916 ... 87718 01254 06227	MFSK-16/20Bd	(AB)
XPA2	3-10	1200	14469	Tue	05045 00001 00000 33661	MFSK-16/20Bd	(AB/HFD)
XPA2	3-10	1220	16169	Tue	05045 00001 00000 33661	MFSK-16/20Bd	(AB/HFD)
XPA2	3-10	1240	17469	Tue	05045 00001 00000 33661	MFSK-16/20Bd	(AB/HFD)
XPA2	3-10	1600	13542	Tue	07179 00001 00000 36266	MFSK-16/20Bd	(AB)
XPA2	3-10	1620	12142	Tue	07179 00001 00000 36266	MFSK-16/20Bd	(AB)
XPA2	3-10	1640	11442	Tue	07179 00001 00000 36266	MFSK-16/20Bd	(AB)

XPA2	4-10	0700	13372	Wed	01836 00001 00000 40254	MFSK-16/20Bd	(AB)
XPA2	4-10	0720	14672	Wed	01836 00001 00000 40254	MFSK-16/20Bd	(AB)
XPA2	4-10	0740	15872	Wed	01836 00001 00000 40254	MFSK-16/20Bd	(AB)
XPA2	4-10	0910	17471	Wed	09476 00001 00000 36270	MFSK-16/20Bd	(AB)
XPA2	4-10	0930	16149	Wed	09476 00001 00000 36270	MFSK-16/20Bd	(AB)
XPA2	4-10	0950	14406	Wed	09476 00001 00000 36270	MFSK-16/20Bd	(AB)
XPA2	4-10	1100	14672	Wed	02851 00001 00000 35657	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-10	1120	13472	Wed	02851 00001 00000 35657	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-10	1140	12172	Wed	02851 00001 00000 35657	MFSK-16/20Bd	(AB/MPJ)
XPA2	4-10	1800	14518	Wed	07664 00123 57546 ... 34813 50292 02035	MFSK-16/20Bd	(AB/HFD)
XPA2	4-10	1820	13418	Wed	07664 00123 57546 ... 34813 50292 02035	MFSK-16/20Bd	(AB/HFD)
XPA2	4-10	1840	12218	Wed	07664 00123 57546 ... 34813 50292 02035	MFSK-16/20Bd	(AB/HFD)
XPA2	5-10	0500	10238	Thu	06699 00079 32762 ... 11099 29190 32165	MFSK-16/20Bd	(AB)
XPA2	5-10	0520	11138	Thu	06699 00079 32762 ... 11099 29190 32165	MFSK-16/20Bd	(AB)
XPA2	5-10	0540	12138	Thu	06699 00079 32762 ... 11099 29190 32165	MFSK-16/20Bd	(AB)
XPA2	5-10	0910	17438	Thu	03129 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	5-10	0930	16338	Thu	03129 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	5-10	0950	15938	Thu	03129 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	5-10	1100	14672	Thu	09587 00001 00000 37271	MFSK-16/20Bd	(AB)
XPA2	5-10	1120	13472	Thu	09587 00001 00000 37271	MFSK-16/20Bd	(AB)
XPA2	5-10	1140	12172	Thu	09587 00001 00000 37271	MFSK-16/20Bd	(AB)
XPA2	5-10	1600	13542	Thu	01109 00001 00000 36251	MFSK-16/20Bd	(AB/MPJ)
XPA2	5-10	1620	12142	Thu	01109 00001 00000 36251	MFSK-16/20Bd	(AB/MPJ)
XPA2	5-10	1640	11442	Thu	01109 00001 00000 36251	MFSK-16/20Bd	(AB/MPJ)
XPA2	6-10	0800	15958	Fri	06130 00001 00000 22261	MFSK-16/20Bd	(AB)
XPA2	6-10	0820	17458	Fri	06130 00001 00000 22261	MFSK-16/20Bd	(AB)
XPA2	6-10	0840	18758	Fri	06130 00001 00000 22261	MFSK-16/20Bd	(AB)
XPA2	6-10	1100	14537	Fri	02546 00061 26916 ... 87718 01254 06227	MFSK-16/20Bd	(AB)
XPA2	6-10	1120	13437	Fri	02546 00061 26916 ... 87718 01254 06227	MFSK-16/20Bd	(AB)
XPA2	6-10	1140	10737	Fri	02546 00061 26916 ... 87718 01254 06227	MFSK-16/20Bd	(AB)
XPA2	6-10	1800	14518	Fri	07664 00123 57546 ... 34813 50292 02035	MFSK-16/20Bd	(AB)
XPA2	6-10	1820	13418	Fri	07664 00123 57546 ... 34813 50292 02035	MFSK-16/20Bd	(AB)
XPA2	6-10	1840	12218	Fri	07664 00123 57546 ... 34813 50292 02035	MFSK-16/20Bd	(AB)
XPA2	7-10	0910	17438	Sat	05910 00001 00000 35656	MFSK-16/20Bd	(AB)
XPA2	7-10	0930	16338	Sat	05910 00001 00000 35656	MFSK-16/20Bd	(AB)
XPA2	7-10	0950	15938	Sat	05910 00001 00000 35656	MFSK-16/20Bd	(AB)
XPA2	7-10	1500	13906	Sat	09367 00001 00000 36267	MFSK-16/20Bd	(AB)
XPA2	7-10	1520	12106	Sat	09367 00001 00000 36267	MFSK-16/20Bd	(AB)
XPA2	7-10	1540	10906	Sat	09367 00001 00000 36267	MFSK-16/20Bd	(AB)
XPA2	8-10	0800	15958	Sun	03959 00001 00000 42260	MFSK-16/20Bd	(AB)
XPA2	8-10	0820	17458	Sun	03959 00001 00000 42260	MFSK-16/20Bd	(AB)
XPA2	8-10	0840	18758	Sun	03959 00001 00000 42260	MFSK-16/20Bd	(AB)

XPA2	8-10	1200	14469	Sun	01169 00001 00000 36257	MFSK-16/20Bd	(AB/MPJ)
XPA2	8-10	1220	16169	Sun	01169 00001 00000 36257	MFSK-16/20Bd	(AB/MPJ)
XPA2	8-10	1240	17469	Sun	01169 00001 00000 36257	MFSK-16/20Bd	(AB/MPJ)
XPA2	9-10	0700	13372	Mon	00916 00100 94062 ... 10867 52160 07501	MFSK-16/20Bd	(AB)
XPA2	9-10	0720	14672	Mon	00916 00100 94062 ... 10867 52160 07501	MFSK-16/20Bd	(AB)
XPA2	9-10	0740	15872	Mon	00916 00100 94062 ... 10867 52160 07501	MFSK-16/20Bd	(AB)
XPA2	9-10	0910	17471	Mon	00128 00189 01159 ... 95652 79104 21476	MFSK-16/20Bd	(AB)
XPA2	9-10	0930	16149	Mon	00128 00189 01159 ... 95652 79104 21476	MFSK-16/20Bd	(AB)
XPA2	9-10	0950	14406	Mon	00128 00189 01159 ... 95652 79104 21476	MFSK-16/20Bd	(AB)
XPA2	9-10	1500	13906	Mon	06949 00267 66055 ... 89867 97765 07441	MFSK-16/20Bd	(AB/RL-HOL/HFD)
XPA2	9-10	1520	12106	Mon	06949 00267 66055 ... 89867 97765 07441	MFSK-16/20Bd	(AB/RL-HOL/HFD)
XPA2	9-10	1540	10906	Mon	06949 00267 66055 ... 89867 97765 07441	MFSK-16/20Bd	(AB/RL-HOL/HFD)
XPA2	10-10	0500	10238	Tue	05265 00001 00000 34663	MFSK-16/20Bd	(AB)
XPA2	10-10	0520	11138	Tue	05265 00001 00000 34663	MFSK-16/20Bd	(AB)
XPA2	10-10	0540	12138	Tue	05265 00001 00000 34663	MFSK-16/20Bd	(AB)
XPA2	10-10	1100	14537	Tue	00590 00118 29228 ... 81080 47691 45647	MFSK-16/20Bd	(AB)
XPA2	10-10	1120	13437	Tue	00590 00118 29228 ... 81080 47691 45647	MFSK-16/20Bd	(AB)
XPA2	10-10	1140	10737	Tue	00590 00118 29228 ... 81080 47691 45647	MFSK-16/20Bd	(AB)
XPA2	10-10	1200	14469	Tue	06101 00073 34922 ... 99577 20141 35201	MFSK-16/20Bd	(AB)
XPA2	10-10	1220	16169	Tue	06101 00073 34922 ... 99577 20141 35201	MFSK-16/20Bd	(AB)
XPA2	10-10	1240	17469	Tue	06101 00073 34922 ... 99577 20141 35201	MFSK-16/20Bd	(AB)
XPA2	10-10	1600	13542	Tue	02472 00177 71854 ... 69161 77317 06724	MFSK-16/20Bd	(AB)
XPA2	10-10	1620	12142	Tue	02472 00177 71854 ... 69161 77317 06724	MFSK-16/20Bd	(AB)
XPA2	10-10	1640	11442	Tue	02472 00177 71854 ... 69161 77317 06724	MFSK-16/20Bd	(AB)
XPA2	11-10	0700	13372	Wed	00916 00100 94062 ... 10867 52160 07501	MFSK-16/20Bd	(AB)
XPA2	11-10	0720	14672	Wed	00916 00100 94062 ... 10867 52160 07501	MFSK-16/20Bd	(AB)
XPA2	11-10	0740	15872	Wed	00916 00100 94062 ... 10867 52160 07501	MFSK-16/20Bd	(AB)
XPA2	11-10	0910	17471	Wed	00128 00189 01159 ... 95652 79104 21476	MFSK-16/20Bd	(AB/HFD)
XPA2	11-10	0930	16149	Wed	00128 00189 01159 ... 95652 79104 21476	MFSK-16/20Bd	(AB/HFD)
XPA2	11-10	0950	14406	Wed	00128 00189 01159 ... 95652 79104 21476	MFSK-16/20Bd	(AB/HFD)
XPA2	11-10	1100	14672	Wed	01229 00113 66537 ... 72947 90832 73265	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	11-10	1120	13472	Wed	01229 00113 66537 ... 72947 90832 73265	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	11-10	1140	12172	Wed	01229 00113 66537 ... 72947 90832 73265	MFSK-16/20Bd	(AB/MPJ/HFD)
XPA2	11-10	1800	14518	Wed	05718 00001 00000 40656	MFSK-16/20Bd	(AB)
XPA2	11-10	1820	13418	Wed	05718 00001 00000 40656	MFSK-16/20Bd	(AB)
XPA2	11-10	1840	12218	Wed	05718 00001 00000 40656	MFSK-16/20Bd	(AB)
XPA2	12-10	0500	10238	Thu	05822 00001 00000 36257	MFSK-16/20Bd	(AB/HFD)
XPA2	12-10	0520	11138	Thu	05822 00001 00000 36257	MFSK-16/20Bd	(AB/HFD)
XPA2	12-10	0540	12138	Thu	05822 00001 00000 36257	MFSK-16/20Bd	(AB/HFD)
XPA2	12-10	0910	17438	Thu	00446 00194 86638 ... 32962 50365 74755	MFSK-16/20Bd	(AB)
XPA2	12-10	0930	16338	Thu	00446 00194 86638 ... 32962 50365 74755	MFSK-16/20Bd	(AB)
XPA2	12-10	0950	15938	Thu	00446 00194 86638 ... 32962 50365 74755	MFSK-16/20Bd	(AB)

XPA2	12-10	1100	14672	Thu	01229 00113 66537 ... 72947 90832 73265	MFSK-16/20Bd	(AB)
XPA2	12-10	1120	13472	Thu	01229 00113 66537 ... 72947 90832 73265	MFSK-16/20Bd	(AB)
XPA2	12-10	1140	12172	Thu	01229 00113 66537 ... 72947 90832 73265	MFSK-16/20Bd	(AB)
XPA2	12-10	1600	13542	Thu	02472 00177 71854 ... 69161 77317 06724	MFSK-16/20Bd	(AB)
XPA2	12-10	1620	12142	Thu	02472 00177 71854 ... 69161 77317 06724	MFSK-16/20Bd	(AB/Tel)
XPA2	12-10	1640	11442	Thu	02472 00177 71854 ... 69161 77317 06724	MFSK-16/20Bd	(AB)
XPA2	13-10	0800	15958	Fri	00677 00138 78876 ... 22095 34182 33361	MFSK-16/20Bd	(AB/HFD)
XPA2	13-10	0820	17458	Fri	00677 00138 78876 ... 22095 34182 33361	MFSK-16/20Bd	(AB/HFD)
XPA2	13-10	0840	18758	Fri	00677 00138 78876 ... 22095 34182 33361	MFSK-16/20Bd	(AB/HFD)
XPA2	13-10	1100	14537	Fri	00590 00118 29228 ... 81080 47691 45647	MFSK-16/20Bd	(AB)
XPA2	13-10	1120	13437	Fri	00590 00118 29228 ... 81080 47691 45647	MFSK-16/20Bd	(AB)
XPA2	13-10	1140	10737	Fri	00590 00118 29228 ... 81080 47691 45647	MFSK-16/20Bd	(AB)
XPA2	13-10	1800	14518	Fri	06584 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	13-10	1820	13418	Fri	06584 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	13-10	1840	12218	Fri	06584 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	14-10	0910	17438	Sat	00446 00194 86638 ... 32962 50365 74755	MFSK-16/20Bd	(AB)
XPA2	14-10	0930	16338	Sat	00446 00194 86638 ... 32962 50365 74755	MFSK-16/20Bd	(AB)
XPA2	14-10	0950	15938	Sat	00446 00194 86638 ... 32962 50365 74755	MFSK-16/20Bd	(AB)
XPA2	14-10	1500	13906	Sat	06949 00267 66055 ... 89867 97765 07441	MFSK-16/20Bd	(AB)
XPA2	14-10	1520	12106	Sat	06949 00267 66055 ... 89867 97765 07441	MFSK-16/20Bd	(AB)
XPA2	14-10	1540	10906	Sat	06949 00267 66055 ... 89867 97765 07441	MFSK-16/20Bd	(AB)
XPA2	15-10	0800	15958	Sun	00677 00138 78876 ... 22095 34182 33361	MFSK-16/20Bd	(AB)
XPA2	15-10	0820	17458	Sun	00677 00138 78876 ... 22095 34182 33361	MFSK-16/20Bd	(AB)
XPA2	15-10	0840	18758	Sun	00677 00138 78876 ... 22095 34182 33361	MFSK-16/20Bd	(AB)
XPA2	15-10	1200	14469	Sun	06101 00073 34922 ... 99577 20141 35201	MFSK-16/20Bd	(AB)
XPA2	15-10	1220	16169	Sun	06101 00073 34922 ... 99577 20141 35201	MFSK-16/20Bd	(AB)
XPA2	15-10	1240	17469	Sun	06101 00073 34922 ... 99577 20141 35201	MFSK-16/20Bd	(AB)
XPA2	16-10	0700	13372	Mon	00916 00100 94062 ... 10867 52160 07501	MFSK-16/20Bd	(AB)
XPA2	16-10	0720	14672	Mon	00916 00100 94062 ... 10867 52160 07501	MFSK-16/20Bd	(AB)
XPA2	16-10	0740	15872	Mon	00916 00100 94062 ... 10867 52160 07501	MFSK-16/20Bd	(AB)
XPA2	16-10	0910	17471	Mon	00128 00189 01159 ... 95652 79104 21476	MFSK-16/20Bd	(AB)
XPA2	16-10	0930	16149	Mon	00128 00189 01159 ... 95652 79104 21476	MFSK-16/20Bd	(AB)
XPA2	16-10	0950	14406	Mon	00128 00189 01159 ... 95652 79104 21476	MFSK-16/20Bd	(AB)
XPA2	16-10	1500	13906	Mon	08466 00001 00000 36266	MFSK-16/20Bd	(AB)
XPA2	16-10	1520	12106	Mon	08466 00001 00000 36266	MFSK-16/20Bd	(AB)
XPA2	16-10	1540	10906	Mon	08466 00001 00000 36266	MFSK-16/20Bd	(AB)
XPA2	17-10	0500	10238	Tue	00497 00071 21631 ... 78815 05542 13422	MFSK-16/20Bd	(AB)
XPA2	17-10	0520	11138	Tue	00497 00071 21631 ... 78815 05542 13422	MFSK-16/20Bd	(AB)
XPA2	17-10	0540	12138	Tue	00497 00071 21631 ... 78815 05542 13422	MFSK-16/20Bd	(AB)
XPA2	17-10	1100	14537	Tue	00590 00118 29228 ... 81080 47691 45647	MFSK-16/20Bd	(AB/HFD)
XPA2	17-10	1120	13437	Tue	00590 00118 29228 ... 81080 47691 45647	MFSK-16/20Bd	(AB/HFD)
XPA2	17-10	1140	10737	Tue	00590 00118 29228 ... 81080 47691 45647	MFSK-16/20Bd	(AB/HFD)

XPA2	17-10	1200	14469	Tue	08467 00001 00000 36666	MFSK-16/20Bd	(AB)
XPA2	17-10	1220	16169	Tue	08467 00001 00000 36666	MFSK-16/20Bd	(AB)
XPA2	17-10	1240	17469	Tue	08467 00001 00000 36666	MFSK-16/20Bd	(AB)
XPA2	17-10	1600	13542	Tue	01960 00001 00000 35657	MFSK-16/20Bd	(AB/HFD)
XPA2	17-10	1620	12142	Tue	01960 00001 00000 35657	MFSK-16/20Bd	(AB/HFD)
XPA2	17-10	1640	11442	Tue	01960 00001 00000 35657	MFSK-16/20Bd	(AB/HFD)
XPA2	18-10	0700	13372	Wed	00916 00100 94062 ... 10867 52160 07501	MFSK-16/20Bd	(AB)
XPA2	18-10	0720	14672	Wed	00916 00100 94062 ... 10867 52160 07501	MFSK-16/20Bd	(AB)
XPA2	18-10	0740	15872	Wed	00916 00100 94062 ... 10867 52160 07501	MFSK-16/20Bd	(AB)
XPA2	18-10	0910	17471	Wed	00128 00189 01159 ... 95652 79104 21476	MFSK-16/20Bd	(AB)
XPA2	18-10	0930	16149	Wed	00128 00189 01159 ... 95652 79104 21476	MFSK-16/20Bd	(AB)
XPA2	18-10	0950	14406	Wed	00128 00189 01159 ... 95652 79104 21476	MFSK-16/20Bd	(AB)
XPA2	18-10	1100	14672	Wed	01229 00113 66537 ... 72947 90832 73265	MFSK-16/20Bd	(AB)
XPA2	18-10	1120	13472	Wed	01229 00113 66537 ... 72947 90832 73265	MFSK-16/20Bd	(AB)
XPA2	18-10	1140	12172	Wed	01229 00113 66537 ... 72947 90832 73265	MFSK-16/20Bd	(AB)
XPA2	18-10	1800	14518	Wed	09521 00131 72070 ... 47326 00735 74110	MFSK-16/20Bd	(AB)
XPA2	18-10	1820	13418	Wed	09521 00131 72070 ... 47326 00735 74110	MFSK-16/20Bd	(AB)
XPA2	18-10	1840	12218	Wed	09521 00131 72070 ... 47326 00735 74110	MFSK-16/20Bd	(AB)
XPA2	19-10	0500	10238	Thu	00497 00071 21631 ... 78815 05542 13422	MFSK-16/20Bd	(AB)
XPA2	19-10	0520	11138	Thu	00497 00071 21631 ... 78815 05542 13422	MFSK-16/20Bd	(AB)
XPA2	19-10	0540	12138	Thu	00497 00071 21631 ... 78815 05542 13422	MFSK-16/20Bd	(AB)
XPA2	19-10	0910	17438	Thu	00446 00194 86638 ... 32962 50365 74755	MFSK-16/20Bd	(AB)
XPA2	19-10	0930	16338	Thu	00446 00194 86638 ... 32962 50365 74755	MFSK-16/20Bd	(AB)
XPA2	19-10	0950	15938	Thu	00446 00194 86638 ... 32962 50365 74755	MFSK-16/20Bd	(AB)
XPA2	19-10	1100	14672	Thu	01229 00113 66537 ... 72947 90832 73265	MFSK-16/20Bd	(AB)
XPA2	19-10	1120	13472	Thu	01229 00113 66537 ... 72947 90832 73265	MFSK-16/20Bd	(AB)
XPA2	19-10	1140	12172	Thu	01229 00113 66537 ... 72947 90832 73265	MFSK-16/20Bd	(AB)
XPA2	19-10	1600	13542	Thu	02660 00001 00000 34260	MFSK-16/20Bd	(AB/HFD)
XPA2	19-10	1620	12142	Thu	02660 00001 00000 34260	MFSK-16/20Bd	(AB/HFD)
XPA2	19-10	1640	11442	Thu	02660 00001 00000 34260	MFSK-16/20Bd	(AB/HFD)
XPA2	20-10	0800	15958	Fri	08137 00109 20453 ... 53749 06660 12466	MFSK-16/20Bd	(AB)
XPA2	20-10	0820	17458	Fri	08137 00109 20453 ... 53749 06660 12466	MFSK-16/20Bd	(AB)
XPA2	20-10	0840	18758	Fri	08137 00109 20453 ... 53749 06660 12466	MFSK-16/20Bd	(AB)
XPA2	20-10	1100	14537	Fri	00590 00118 29228 ... 81080 47691 45647	MFSK-16/20Bd	(AB)
XPA2	20-10	1120	13437	Fri	00590 00118 29228 ... 81080 47691 45647	MFSK-16/20Bd	(AB)
XPA2	20-10	1140	10737	Fri	00590 00118 29228 ... 81080 47691 45647	MFSK-16/20Bd	(AB)
XPA2	20-10	1800	14518	Fri	09521 00131 72070 ... 47326 00735 74110	MFSK-16/20Bd	(AB)
XPA2	20-10	1820	13418	Fri	09521 00131 72070 ... 47326 00735 74110	MFSK-16/20Bd	(AB)
XPA2	20-10	1840	12218	Fri	09521 00131 72070 ... 47326 00735 74110	MFSK-16/20Bd	(AB)
XPA2	21-10	0910	17438	Sat	00446 00194 86638 ... 32962 50365 74755	MFSK-16/20Bd	(AB)
XPA2	21-10	0930	16338	Sat	00446 00194 86638 ... 32962 50365 74755	MFSK-16/20Bd	(AB)
XPA2	21-10	0950	15938	Sat	00446 00194 86638 ... 32962 50365 74755	MFSK-16/20Bd	(AB)

XPA2	21-10	1500	13906	Sat	01462 00001 00000 33257	MFSK-16/20Bd	(AB)
XPA2	21-10	1520	12106	Sat	01462 00001 00000 33257	MFSK-16/20Bd	(AB)
XPA2	21-10	1540	10906	Sat	01462 00001 00000 33257	MFSK-16/20Bd	(AB)
XPA2	22-10	0800	15958	Sun	08137 00109 20453 ... 53749 06660 12466	MFSK-16/20Bd	(AB)
XPA2	22-10	0820	17458	Sun	08137 00109 20453 ... 53749 06660 12466	MFSK-16/20Bd	(AB)
XPA2	22-10	0840	18758	Sun	08137 00109 20453 ... 53749 06660 12466	MFSK-16/20Bd	(AB)
XPA2	22-10	1200	14469	Sun	04457 00001 00000 36661	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-10	1220	16169	Sun	04457 00001 00000 36661	MFSK-16/20Bd	(AB/MPJ)
XPA2	22-10	1240	17469	Sun	04457 00001 00000 36661	MFSK-16/20Bd	(AB/MPJ)
XPA2	23-10	0700	13372	Mon	07275 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	23-10	0720	14672	Mon	07275 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	23-10	0740	15872	Mon	07275 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	23-10	0910	17471	Mon	00389 00122 47188 ... 89371 07301 03260	MFSK-16/20Bd	(AB)
XPA2	23-10	0930	16149	Mon	00389 00122 47188 ... 89371 07301 03260	MFSK-16/20Bd	(AB)
XPA2	23-10	0950	14406	Mon	00389 00122 47188 ... 89371 07301 03260	MFSK-16/20Bd	(AB)
XPA2	23-10	1500	13906	Mon	00669 00212 75795 ... 32615 09604 26707	MFSK-16/20Bd	(AB)
XPA2	23-10	1520	12106	Mon	00669 00212 75795 ... 32615 09604 26707	MFSK-16/20Bd	(AB)
XPA2	23-10	1540	10906	Mon	00669 00212 75795 ... 32615 09604 26707	MFSK-16/20Bd	(AB)
XPA2	24-10	0500	10238	Tue	01966 00001 00000 40657	MFSK-16/20Bd	(AB)
XPA2	24-10	0520	11138	Tue	01966 00001 00000 40657	MFSK-16/20Bd	(AB)
XPA2	24-10	0540	12138	Tue	01966 00001 00000 40657	MFSK-16/20Bd	(AB)
XPA2	24-10	1100	14537	Tue	04415 00001 00000 35655	MFSK-16/20Bd	(AB)
XPA2	24-10	1120	13437	Tue	04415 00001 00000 35655	MFSK-16/20Bd	(AB)
XPA2	24-10	1140	10737	Tue	04415 00001 00000 35655	MFSK-16/20Bd	(AB)
XPA2	24-10	1200	14469	Tue	00658 00059 01237 ... 09838 12223 36475	MFSK-16/20Bd	(AB)
XPA2	24-10	1220	16169	Tue	00658 00059 01237 ... 09838 12223 36475	MFSK-16/20Bd	(AB)
XPA2	24-10	1240	17469	Tue	00658 00059 01237 ... 09838 12223 36475	MFSK-16/20Bd	(AB)
XPA2	24-10	1600	13542	Tue	05499 00252 60866 ... 40852 58508 53714	MFSK-16/20Bd	(AB)
XPA2	24-10	1620	12142	Tue	05499 00252 60866 ... 40852 58508 53714	MFSK-16/20Bd	(AB)
XPA2	24-10	1640	11442	Tue	05499 00252 60866 ... 40852 58508 53714	MFSK-16/20Bd	(AB)
XPA2	25-10	0700	13372	Wed	07909 00001 00000 42257	MFSK-16/20Bd	(AB)
XPA2	25-10	0720	14672	Wed	07909 00001 00000 42257	MFSK-16/20Bd	(AB)
XPA2	25-10	0740	15872	Wed	07909 00001 00000 42257	MFSK-16/20Bd	(AB)
XPA2	25-10	0910	17471	Wed	00389 00122 47188 ... 89371 07301 03260	MFSK-16/20Bd	(AB)
XPA2	25-10	0930	16149	Wed	00389 00122 47188 ... 89371 07301 03260	MFSK-16/20Bd	(AB)
XPA2	25-10	0950	14406	Wed	00389 00122 47188 ... 89371 07301 03260	MFSK-16/20Bd	(AB)
XPA2	25-10	1100	14672	Wed	002793 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	25-10	1120	13472	Wed	002793 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	25-10	1140	12172	Wed	002793 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	25-10	1800	14518	Wed	01418 00153 76363 ... 05353 33195 00001	MFSK-16/20Bd	(AB)
XPA2	25-10	1820	13418	Wed	01418 00153 76363 ... 05353 33195 00001	MFSK-16/20Bd	(AB)
XPA2	25-10	1840	12218	Wed	01418 00153 76363 ... 05353 33195 00001	MFSK-16/20Bd	(AB)

XPA2	26-10	0500	10238	Thu	06525 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	26-10	0520	11138	Thu	06525 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	26-10	0540	12138	Thu	06525 00001 00000 36260	MFSK-16/20Bd	(AB)
XPA2	26-10	0910	17438	Thu	00671 00120 59998 ... 85288 22203 57517	MFSK-16/20Bd	(AB)
XPA2	26-10	0930	16338	Thu	00671 00120 59998 ... 85288 22203 57517	MFSK-16/20Bd	(AB)
XPA2	26-10	0950	15938	Thu	00671 00120 59998 ... 85288 22203 57517	MFSK-16/20Bd	(AB)
XPA2	26-10	1100	14672	Thu	07088 00001 00000 35267	MFSK-16/20Bd	(AB)
XPA2	26-10	1120	13472	Thu	07088 00001 00000 35267	MFSK-16/20Bd	(AB)
XPA2	26-10	1140	12172	Thu	07088 00001 00000 35267	MFSK-16/20Bd	(AB)
XPA2	26-10	1600	13542	Thu	05499 00252 60866 ... 40852 58508 53714	MFSK-16/20Bd	(AB)
XPA2	26-10	1620	12142	Thu	05499 00252 60866 ... 40852 58508 53714	MFSK-16/20Bd	(AB)
XPA2	26-10	1640	11442	Thu	05499 00252 60866 ... 40852 58508 53714	MFSK-16/20Bd	(AB)
XPA2	27-10	0800	15958	Fri	08664 00001 00000 36266	MFSK-16/20Bd	(AB)
XPA2	27-10	0820	17458	Fri	08664 00001 00000 36266	MFSK-16/20Bd	(AB)
XPA2	27-10	0840	18758	Fri	08664 00001 00000 36266	MFSK-16/20Bd	(AB)
XPA2	27-10	1100	14537	Fri	02465 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	27-10	1120	13437	Fri	02465 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	27-10	1140	10737	Fri	02465 00001 00000 35660	MFSK-16/20Bd	(AB)
XPA2	27-10	1800	14518	Fri	01418 00153 76363 ... 05353 33195 00001	MFSK-16/20Bd	(AB)
XPA2	27-10	1820	13418	Fri	01418 00153 76363 ... 05353 33195 00001	MFSK-16/20Bd	(AB)
XPA2	27-10	1840	12218	Fri	01418 00153 76363 ... 05353 33195 00001	MFSK-16/20Bd	(AB)
XPA2	28-10	0910	17438	Sat	00671 00120 59998 ... 85288 22203 57517	MFSK-16/20Bd	(AB)
XPA2	28-10	0930	16338	Sat	00671 00120 59998 ... 85288 22203 57517	MFSK-16/20Bd	(AB)
XPA2	28-10	0950	15938	Sat	00671 00120 59998 ... 85288 22203 57517	MFSK-16/20Bd	(AB)
XPA2	28-10	1500	13906	Sat	00669 00212 75795 ... 32615 09604 26707	MFSK-16/20Bd	(AB)
XPA2	28-10	1520	12106	Sat	00669 00212 75795 ... 32615 09604 26707	MFSK-16/20Bd	(AB)
XPA2	28-10	1540	10906	Sat	00669 00212 75795 ... 32615 09604 26707	MFSK-16/20Bd	(AB)
XPA2	29-10	0800	15958	Sun	07069 00001 00000 35665	MFSK-16/20Bd	(AB)
XPA2	29-10	0820	17458	Sun	07069 00001 00000 35665	MFSK-16/20Bd	(AB)
XPA2	29-10	0840	18758	Sun	07069 00001 00000 35665	MFSK-16/20Bd	(AB)
XPA2	29-10	1200	14469	Sun	00658 00059 01237 ... 09838 12223 36475	MFSK-16/20Bd	(AB)
XPA2	29-10	1220	16169	Sun	00658 00059 01237 ... 09838 12223 36475	MFSK-16/20Bd	(AB)
XPA2	29-10	1240	17469	Sun	00658 00059 01237 ... 09838 12223 36475	MFSK-16/20Bd	(AB/Tel)
XPA2	30-10	0700	13372	Mon	05892 00100 06985 ... 06342 46288 76172	MFSK-16/20Bd	(AB)
XPA2	30-10	0720	14672	Mon	05892 00100 06985 ... 06342 46288 76172	MFSK-16/20Bd	(AB)
XPA2	30-10	0740	15872	Mon	05892 00100 06985 ... 06342 46288 76172	MFSK-16/20Bd	(AB)
XPA2	30-10	0910	17471	Mon	03745 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	30-10	0930	16149	Mon	03745 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	30-10	0950	14406	Mon	03745 00001 00000 37257	MFSK-16/20Bd	(AB)
XPA2	30-10	1500	13906	Mon	06648 00001 00000 40262	MFSK-16/20Bd	(AB)
XPA2	30-10	1520	12106	Mon	06648 00001 00000 40262	MFSK-16/20Bd	(AB)
XPA2	30-10	1540	10906	Mon	06648 00001 00000 40262	MFSK-16/20Bd	(AB)

XPA2	31-10	0500	10238	Tue	00670 00094 28915 ... 20495 79742 51522	MFSK-16/20Bd	(AB)
XPA2	31-10	0520	11138	Tue	00670 00094 28915 ... 20495 79742 51522	MFSK-16/20Bd	(AB)
XPA2	31-10	0540	12138	Tue	00670 00094 28915 ... 20495 79742 51522	MFSK-16/20Bd	(AB)
XPA2	31-10	1100	14537	Tue	00508 00098 83090 ... 87974 63833 30610	MFSK-16/20Bd	(AB/MPJ)
XPA2	31-10	1120	13437	Tue	00508 00098 83090 ... 87974 63833 30610	MFSK-16/20Bd	(AB/MPJ)
XPA2	31-10	1140	10737	Tue	00508 00098 83090 ... 87974 63833 30610	MFSK-16/20Bd	(AB/Tel/MPJ)
XPA2	31-10	1200	14469	Tue	04161 00001 00000 32262	MFSK-16/20Bd	(AB)
XPA2	31-10	1220	16169	Tue	04161 00001 00000 32262	MFSK-16/20Bd	(AB)
XPA2	31-10	1240	17469	Tue	04161 00001 00000 32262	MFSK-16/20Bd	(AB)
XPA2	31-10	1600	13542	Tue	07852 00001 00000 36264	MFSK-16/20Bd	(AB)
XPA2	31-10	1620	12142	Tue	07852 00001 00000 36264	MFSK-16/20Bd	(AB)
XPA2	31-10	1640	11442	Tue	07852 00001 00000 36264	MFSK-16/20Bd	(AB)
XPB1	2-10	0500	13471	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-10	0510	14771	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-10	0520	15871	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-10	0530	16271	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-10	0540	17471	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-10	0550	18271	Mon	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1200	14462	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-10	1210	13962	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-10	1220	13462	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-10	1230	12162	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-10	1240	11562	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-10	1250	10962	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-10	0500	13471	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-10	0510	14771	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-10	0520	15871	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-10	0530	16271	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-10	0540	17471	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-10	0550	18271	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	3-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-10	1100	16245	Wed	Russian intel.	MFSK-16	(AB)
XPB1	4-10	1110	15825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	4-10	1120	14925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	4-10	1130	13525	Wed	Russian intel.	MFSK-16	(AB)
XPB1	4-10	1140	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	4-10	1150	11425	Wed	Russian intel.	MFSK-16	(AB)

XPB1	6-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	6-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	7-10	1100	16245	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	1110	15825	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	1120	14925	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	1130	13525	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	1140	12125	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	1150	11425	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	1200	14462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	7-10	1210	13962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	7-10	1220	13462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	7-10	1230	12162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	7-10	1240	11562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	7-10	1250	10962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	9-10	0500	13471	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-10	0510	14771	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-10	0520	15871	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-10	0530	16271	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-10	0540	17471	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-10	0550	18271	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-10	1200	14462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-10	1210	13962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-10	1220	13462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-10	1230	12162	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-10	1240	11562	Mon	Russian intel.	MFSK-16	(AB)
XPB1	9-10	1250	10962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-10	0500	13471	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-10	0510	14771	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-10	0520	15871	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-10	0530	16271	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-10	0540	17471	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-10	0550	18271	Tue	Russian intel.	MFSK-16	(AB)
XPB1	10-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB/HFD)

XPB1	11-10	1100	16245	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-10	1110	15825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-10	1120	14925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-10	1130	13525	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-10	1140	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	11-10	1150	11425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1000	19079	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1010	18697	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1020	17459	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1030	16301	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1040	15825	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1050	14538	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1200	19117	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1210	18197	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1220	17463	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1230	16083	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1240	15875	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1250	14463	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1600	15864	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1610	14381	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1620	13965	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1630	13381	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1640	12157	Fri	Russian intel.	MFSK-16	(AB)
XPB1	13-10	1650	11572	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1000	19079	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1010	18697	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1020	17459	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1030	16301	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1040	15825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1050	14538	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1100	16245	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1110	15825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1120	14925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1130	13525	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1140	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1150	11425	Sat	Russian intel.	MFSK-16	(AB)

XPB1	14-10	1200	14462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1210	13962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1220	13462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1230	12162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1240	11562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1250	10962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1600	15864	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1610	14381	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1620	13965	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1630	13381	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1640	12157	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	1650	11573	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-10	0600	17436	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	0610	18582	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	0620	19084	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	0630	19511	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	0640	20381	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1000	19079	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1010	18697	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1020	17459	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1030	16301	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1040	15825	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1050	14538	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1200	19117	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1210	18197	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1220	17463	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1230	16083	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1240	15875	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1250	14463	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1400	19273	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1410	18233	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1420	17435	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1430	16069	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1440	15863	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1450	14375	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1600	15864	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1610	14381	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1620	13965	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1630	13381	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1640	12157	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15-10	1650	11573	Sun	Russian intel.	MFSK-16	(AB)
XPB1	16-10	0500	13471	Mon	Russian intel.	MFSK-16	(AB/HFD-RUS)

XPB1	16-10	0510	14771	Mon	Russian intel.	MFSK-16	(AB/HFD-RUS)
XPB1	16-10	0520	15871	Mon	Russian intel.	MFSK-16	(AB/HFD-RUS)
XPB1	16-10	0530	16271	Mon	Russian intel.	MFSK-16	(AB/HFD-RUS)
XPB1	16-10	0540	17471	Mon	Russian intel.	MFSK-16	(AB/HFD-RUS)
XPB1	16-10	0550	18271	Mon	Russian intel.	MFSK-16	(AB/HFD-RUS)
XPB1	16-10	0600	17436	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	0610	18582	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	0620	19084	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	0630	19511	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	0640	20381	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	0650	20978	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1000	19079	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1010	18697	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1020	17459	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1030	16301	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1040	15825	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1050	14538	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1200	14462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1210	13962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1220	13462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1230	12162	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1240	11562	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1250	10962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1400	19273	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1410	18233	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1420	17435	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1430	16069	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1440	15863	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1450	14375	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1600	15864	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1610	14381	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1620	13965	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1630	13381	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1640	12157	Mon	Russian intel.	MFSK-16	(AB)
XPB1	16-10	1650	11573	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-10	0500	13471	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	0510	14771	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	0520	15871	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	0530	16271	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	0540	17471	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	0550	18271	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	0600	17436	Tue	Russian intel.	MFSK-16	(AB)

XPB1	17-10	0610	18582	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	0620	19084	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	0630	19511	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	0640	20381	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	0650	20978	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1000	19079	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1010	18697	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1020	17459	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1030	16301	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1040	15825	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1050	14538	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1200	19117	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1210	18197	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1220	17463	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1230	16083	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1240	15875	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1250	14463	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1400	19273	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1410	18233	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1420	17435	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1430	16069	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1440	15863	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1450	14375	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1600	15864	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1610	14381	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1620	13965	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1630	13381	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1640	12157	Tue	Russian intel.	MFSK-16	(AB)
XPB1	17-10	1650	11573	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-10	0600	17436	Wed	Russian intel.	MFSK-16	(AB/EW)
XPB1	18-10	0610	18582	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	0620	19084	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	0630	19511	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	0640	20381	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	0650	20978	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1000	19079	Wed	Russian intel.	MFSK-16	(AB)

XPB1	18-10	1010	18697	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1020	17459	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1030	16301	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1040	15825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1050	14538	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1100	16245	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1110	15825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1120	14925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1130	13525	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1140	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1150	11425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1200	19117	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1200	19117	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1210	18197	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1210	18197	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1220	17463	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1220	17463	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1230	16083	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1230	16083	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1240	15875	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1240	15875	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1250	14463	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1250	14463	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1400	19273	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1410	18233	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1420	17435	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1430	16069	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1440	15863	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1450	14375	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1600	15864	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1610	14381	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1620	13965	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1630	13381	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1640	12157	Wed	Russian intel.	MFSK-16	(AB)
XPB1	18-10	1650	11573	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-10	0600	17436	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	0610	18582	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	0620	19084	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	0630	19511	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	0640	20381	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	0650	20978	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1000	19079	Thu	Russian intel.	MFSK-16	(AB)

XPB1	19-10	1010	18697	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1020	17459	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1030	16301	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1040	15825	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1050	14538	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1200	19117	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1210	18197	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1220	17463	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1230	16083	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1240	15875	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1250	14463	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1600	15864	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1610	14381	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1620	13965	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1630	13381	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1640	12157	Thu	Russian intel.	MFSK-16	(AB)
XPB1	19-10	1650	11573	Thu	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0600	17436	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0610	18582	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0620	19084	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0630	19511	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0640	20381	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	0650	20978	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1000	19079	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1010	18697	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1020	17459	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1030	16301	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1040	15825	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1050	14538	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1200	19117	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1210	18197	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1220	17463	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1230	16083	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1240	15875	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1250	14463	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1400	19273	Fri	Russian intel.	MFSK-16	(AB)

XPB1	20-10	1410	18233	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1420	17435	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1430	16069	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1440	15863	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1450	14375	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1600	15864	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1610	14381	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1620	13965	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1630	13381	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1640	12157	Fri	Russian intel.	MFSK-16	(AB)
XPB1	20-10	1650	11572	Fri	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1000	19079	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1010	18697	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1020	17459	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1030	16301	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1040	15825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1050	14538	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1100	16245	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1110	15825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1120	14925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1130	13525	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1140	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1150	11425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1200	14462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1210	13962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1220	13462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1230	12162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1240	11562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1250	10962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1400	19273	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1410	18233	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1420	17435	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1430	16069	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1440	15863	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1450	14375	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1600	15864	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1610	14381	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1620	13965	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1630	13381	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1640	12157	Sat	Russian intel.	MFSK-16	(AB)
XPB1	21-10	1650	11573	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-10	0600	17436	Sun	Russian intel.	MFSK-16	(AB)

XPB1	22-10	0610	18582	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	0620	19084	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	0630	19511	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	0640	20381	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1000	19079	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1010	18697	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1020	17459	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1030	16301	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1040	15825	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1050	14538	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1200	19117	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1210	18197	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1220	17463	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1230	16083	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1240	15875	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1250	14463	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1400	19273	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1410	18233	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1420	17435	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1430	16069	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1440	15863	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1450	14375	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1600	15864	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1610	14381	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1620	13965	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1630	13381	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1640	12157	Sun	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1650	11573	Sun	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0500	13471	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0510	14771	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0520	15871	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0530	16271	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0540	17471	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0550	18271	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0600	17436	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0610	18582	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0620	19084	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0630	19511	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0640	20381	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	0650	20978	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1000	19079	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1010	18697	Mon	Russian intel.	MFSK-16	(AB)

XPB1	23-10	1020	17459	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1030	16301	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1040	15825	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1050	14538	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1200	14462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1210	13962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1220	13462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1230	12162	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1240	11562	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1250	10962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1400	19273	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1410	18233	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1420	17435	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1430	16069	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1440	15863	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1450	14375	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1600	15864	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1610	14381	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1620	13965	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1630	13381	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1640	12157	Mon	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1650	11573	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-10	0500	13471	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	0510	14771	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	0520	15871	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	0530	16271	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	0540	17471	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	0550	18271	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1100	20271	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1110	19606	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1120	18334	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1130	17462	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1140	16349	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1150	15809	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1300	20351	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1310	19484	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1320	18241	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1330	17476	Tue	Russian intel.	MFSK-16	(AB)

XPB1	24-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1340	16346	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1350	15848	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1500	18358	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1510	17461	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1520	16273	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1530	15848	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1540	14373	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1550	13882	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1700	16341	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1710	15845	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1720	14981	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1730	14382	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1740	13893	Tue	Russian intel.	MFSK-16	(AB)
XPB1	24-10	1750	12165	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1100	16245	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1110	15825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1120	14925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1130	13525	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1140	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1150	11425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1300	20351	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1310	19484	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1320	18241	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1330	17476	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1340	16346	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1350	15848	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1500	18358	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1510	17461	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1520	16273	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1530	15848	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1540	14373	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1550	13882	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1700	16341	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1710	15845	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1720	14981	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1730	14382	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1740	13893	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1750	12165	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1300	20351	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1310	19484	Thu	Russian intel.	MFSK-16	(AB)

XPB1	26-10	1320	18241	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1330	17476	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1340	16346	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1350	15848	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1500	18358	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1510	17461	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1520	16273	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1530	15848	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1540	14373	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1550	13882	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1700	16341	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1710	15845	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1720	14981	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1730	14382	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1740	13893	Thu	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1750	12165	Thu	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1100	20271	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1110	19606	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1120	18334	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1130	17462	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1140	16349	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1150	15809	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1300	20351	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	27-10	1310	19484	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	27-10	1320	18241	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	27-10	1330	17476	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB/RL)
XPB1	27-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1340	16346	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1350	15848	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1500	18358	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1510	17461	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1520	16273	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1530	15848	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1540	14373	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1550	13882	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1700	16341	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1710	15845	Fri	Russian intel.	MFSK-16	(AB)

XPB1	27-10	1720	14981	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1730	14382	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1740	13893	Fri	Russian intel.	MFSK-16	(AB)
XPB1	27-10	1750	12165	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1100	16245	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1100	20271	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1110	15825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1110	19606	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1120	14925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1120	18334	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1130	13525	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1130	17462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1140	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1140	16349	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1150	11425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1150	15809	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1200	14462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1210	13962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1220	13462	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1230	12162	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1240	11562	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1250	10962	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1300	20351	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1310	19484	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1320	18241	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1330	17476	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1340	16346	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1350	15848	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1500	18358	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1510	17461	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1520	16273	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1530	15848	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1540	14373	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1550	13882	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1700	16341	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1710	15845	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1720	14981	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1730	14382	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1740	13893	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	1750	12165	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1100	20271	Sun	Russian intel.	MFSK-16	(AB/EW)
XPB1	29-10	1110	19606	Sun	Russian intel.	MFSK-16	(AB)

XPB1	29-10	1120	18334	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1130	17462	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1140	16349	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1150	15809	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1300	20351	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1310	19484	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1320	18241	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1330	17476	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1340	16346	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1350	15848	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1500	18358	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1510	17461	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1520	16273	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1530	15848	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1540	14373	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1550	13882	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1700	16341	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1710	15845	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1720	14981	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1730	14382	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1740	13893	Sun	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1750	12165	Sun	Russian intel.	MFSK-16	(AB)
XPB1	30-10	0500	13471	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-10	0510	14771	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-10	0520	15871	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-10	0530	16271	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-10	0540	17471	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-10	0550	18271	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1200	14462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1210	13962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1220	13462	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1230	12162	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1240	11562	Mon	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1250	10962	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-10	0500	13471	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-10	0510	14771	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-10	0520	15871	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-10	0530	16271	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-10	0540	17471	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-10	0550	18271	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)

XPB1	31-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	31-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)

CONTRIBUTORS

AB	Ary Boender, Netherlands	HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
AB-ATN	Ary Boender via remote rx Bonaire	HFD-USA	Hans-Friedrich Dumrese via remote rx USA
AB-F	Ary Boender via remote rx France	HK	Hiroyuki Komatsubara, Japan
AB-FIN	Ary Boender via remote rx Finland	JPL	JPL, NB, Canada (and various remote rx)
AB-HNG	Ary Boender via remote rx Hungary	JPL-TWN	JPL via remote rx Taiwan
AB-J	Ary Boender via remote rx Japan	Kodar	kodar at #wunclub
AB-KOR	Ary Boender via remote rx South Korea	Lac	Lazycrypt
AB-KWT	Ary Boender via remote rx Kuwait	Mario-J	Mario via remote rx Japan
AB-POL	Ary Boender via remote rx Poland	Moon	Moonlight (Dave AU)
AB-ROU	Ary Boender via remote rx Romania	MPJ	Jim, SW England
AB-RUS	Ary Boender via remote rx Russia	MPJ-AUT	Jim via remote rx Austria
AB-S	Ary Boender via remote rx Sweden	Priyom	Priyom.org
AB-USA	Ary Boender via remote rx USA	PY	Pierre Ynard, France and via remote rx
ChPa	Christer, Sweden	RL	Roberto Landolpho, Brazil
Dan	Daniel LU5EMM, Argentina	RL-HOL	Roberto Landolpho via remote rx Netherlands
DW-MD	Dave Wright, MD, USA	RO	Rando One, Sweden
EL	EnryLol via Pryom	SOB	Stig Ombord
EW	Eddy Waters, Australia	sse	ssemkaz via Priyom
HFD	Hans-Friedrich Dumrese, Germany	Subilo	Subilo
HFD-J	Hans-Friedrich Dumrese via remote rx Japan	T101	RadiotehnikaT101 via Priyom
HFD-POL	Hans-Friedrich Dumrese via remote rx Poland	Tel	Teletubby via Priyom

APPENDIX

Designators of active stations

Prefixes

E	English language
F	FSK (Frequency Shift Keying) modes
G	German language
HM	Hybrid modes
M(C)	Morse code (Chinese)
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q	4+4 QPSK mode
S	Slavic languages
SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
UM(C)	Unid Morse station (Chinese)
V	Voice broadcasts in other languages
VC	Voice Chinese
XP	MFSK (polytone) modes

Active voice stations

Code	Language	Origin	Related stations
E06	English	Russia	E06, S06, M14, F01, F06, F06a
E07	English	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
E11	English	Poland	E11, E11a, S11a, F03, P03
E11a	English	Poland	E11, E11a, S11a, F03, P03
S06	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06b	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06c	Russian	Russian	E06, S06, M14, F01, F06, F06a
S11a	Russian	Poland	E11, E11a, S11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V26	Chinese	China	M95, Q26, V26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

Active morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
M14	Morse	Russia	E06, S06, M14, F01, F06, F06a
M14d	Morse	Russia	E06, S06, M14, F01, F06, F06a
M21	Morse	Russia	M41
M22	Morse	Israel	
M23	Morse	France	
M41	Morse	Russia	M21
M51a	Morse	France	M51b
M51b	Morse	France	M51a
M76	Morse	?	
M89	Morse	China	
M95	Morse	China	M95, Q26, V26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM04	Morse	Bulgaria	PROMRCh daily schedule
UM05	Morse	France ?	Loop transmissions. Sends new words, letters or digits every 10 minutes. 24/7 operation
UM10	Morse	?	

Active digital stations

Code	Mode	Origin	Related stations
F01	FSK	Russia	E06, S06, M14, F01, F06, F06a
F02	MFSK-4/150Bd/4000Hz	Russia	
F03	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
F06	FSK	Russia	E06, S06, M14, F01, F06, F06a
F06a	FSK	Russia	E06, S06, M14, F01, F06, F06a
F07	5xMFSK-16/10Bd/20Hz+250Bd BPSK bursts	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
HM01	Voice + WinDRM	Cuba	
M42	Various modes	Russia	
P03	BPSK, QPSK	Poland	E11, E11a, S11a, F03
P07	8xQSPK/62.5Bd/125Hz+250Bd BPSK bursts	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
Q26	4+4 QPSK	China	M95, Q26, V26
X06	MFSK-6	Russia	
XPA1	MFSK-20	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
XPA2	MFSK-16	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1
XPB1	MFSK-16	Russia	E07, V07, M12, F07, P07, XPA1, XPA2, XPB1

Figures and words used by the various numbers stations

Cut numbers

Chinese cut numbers
(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

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	-
Slash /	Oblique	Cirta	
Out	Out	Konets	

Note: M03 and M08a are defunct.

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itnien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	.. — — —	Hai	To	Dwojka	Twso	Two
3	... — —	Ba	Fwee	Trojka	Drei	Three
4	.... —	Bô'n	Fo	Cienciorka	Vier	Four
5	Năm	Fav	Pietiorka	Funuf	Fiver
6	—	Sáu	Six	Szest	Sechs	Six
7	— —	Ba|y	Seven	Siem	Sieben	Seven
8	— — — ..	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	—					
/	—					

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	. . - - -	Comma	[,]	- . . . - -
C	- . . .	3	. . . - -	Colon	[:]	- - - . . .
D	- . .	4	. . . . -	Question mark	[?]	. . - - . .
E	.	5	. . . . .	Exclamation mark	[!]	- . - . - -
F	. . - .	6	-	Apostrophe	[']	. - - - - .
G	- - .	7	- - . . .	Dash or Hyphen	[-]	- -
H	. . . .	8	- - - . .	Slash	[/]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[(]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[)]	- . - - - .
K	- . -			Quotation marks	[" "]	. - . . - .
L	. - . .			Equals sign	[=]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .	Ä	. - . -	Plus sign	[+]	. - . - .
O	- - -	Á	. - - - -	Invitation to transmit		- . -
P	. - - .	CH	- - - -	Wait	[AS]	. - . . .
Q	- - - .	É	. . - . .	End of Transmission	[SK, VA]	. . . - . -
R	. - .	Ö	- - - .	End of message	[AR]	. - . - .
S	. . .	Ü	. . - -	Starting signal		- . - . -
T	-			Multiplication sign	[×]	- . . -
U	. . -			At sign	[@]	. - - . - .
V	. . . -			Break	[BK]	- . . . - . -
W	. - -			Ampersand	[&]	. - . . .
X	- . . .					
Y	- . - -					
Z	- - . .					

See also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

E11 family digital transmission modes.

Most modes are very much the same and have only very small differences.

FSK transmissions

F03a	FSK-2 100Bd/200Hz cf + 600Hz
F03b	FSK-2 200Bd/400Hz
F03c	FSK-2 400Bd/960Hz/cf +1120Hz/448-bit period
F03d	FSK-2 200Bd/400Hz/cf +600Hz/448-bit period
F03f	FSK-2 400Bd/800Hz/cf +1200Hz/496-bit period
F03g	BPSK 50Bd/1000Hz/464 bits
F03h	BPSK 100Bd/1000Hz/512 bits
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period
F03k	FSK-2 400Bd/800Hz/cf +1200Hz/448-bit period
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period
F11	FSK 100Bd/620Hz and FSK 100Bd/740Hz

PSK transmissions

P03	Undefined PSK
P03a	BPSK 62.5Bd
P03b	QPSK 62.5Bd
P03c	BPSK 125Bd
P03d	QPSK 125Bd/448-bit period
P03e	QPSK 100Bd/488-bit period
P03f	QPSK 200Bd/496-bit period
P03g	BPSK 50Bd/464-bit period
P03h	BPSK 100Bd/512-bit period
P03i	BPSK 62.5Bd/464-bit period
P03j	QPSK 100Bd/504-bit period
P03k	BPSK 100Bd/480-bit period
P03l	QPSK 100Bd/464-bit period

Notes:

- Bit Period is the time needed to transmit one bit
- Defunct modes F03a, F03b, F11, P03a, P03b, P03c

COLOPHON

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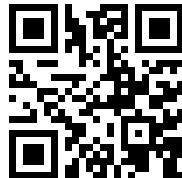
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676 27364 92866 89428 61288 74982 36498 32764 81276 81
986 48932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 76
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 11
791 87364 87265 96718 27638 12673 84769 28743 98127 5
8 63298 75698 27465 87326 49876 28376 81273 98615 86
67 87432 74328 78674 29867 32867 67867 86786 43276 498
57 68768 68763 34234 34238 68768 62342 48273 48768 234
986 98432 32432 86743 43286 43286 43286 43286 43286 43286
743 85743 86743 39867 32867 86743 43286 43286 43243 86
751 86743 86743 86743 86743 86743 86743 86743 86743 86
583 98798 98754 98754 98754 98754 29867 67543 67986 867
76 87698 69876 87698 69876 87612 12341 34867 86798 652
667 43298 65656 56756 56123 32143 14321 32143 14321 321
88 82787 58765 76587 58765 76587 58765 76587 58756 765
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