

| | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| 8 | 27364 | 92836 | 69428 | 61268 | 74982 | 46498 | 32764 | 31276 |
| 86 | 40932 | 70987 | 32123 | 49817 | 26346 | 81287 | 65491 | 87364 |
| 721 | 75654 | 55656 | 12737 | 72727 | 72727 | 91918 | 63473 | 67867 |
| 723 | 87629 | 37677 | 32612 | 53498 | 71296 | 28756 | 18276 | 98716 |
| 269 | 76329 | 74698 | 76857 | 98670 | 27601 | 56701 | 57601 | 73648 |
| 711 | 87364 | 87265 | 96710 | 27630 | 12673 | 84769 | 28743 | 98127 |
| 8 | 63298 | 75698 | 27465 | 87326 | 49876 | 28376 | 81273 | 98615 |
| 7 | 87432 | 74328 | 78674 | 29867 | 32867 | 67867 | 86786 | 43286 |
| 7 | 68768 | 68763 | 34234 | 34238 | 68768 | 62342 | 48273 | 48768 |
| 26 | 98432 | 32432 | 86743 | 43286 | 43286 | 43286 | 43286 | 43286 |
| 243 | 86743 | 86743 | 39867 | 32867 | 86743 | 43286 | 43286 | 43243 |
| 8 | 86743 | 86743 | 86743 | 86743 | 86743 | 86743 | 86743 | 86743 |
| 92 | 98798 | 98754 | 98754 | 98754 | 98754 | 29867 | 67543 | 67986 |
| 6 | 87698 | 69876 | 87698 | 69876 | 87612 | 12341 | 34867 | 86798 |
| 7 | 43298 | 65656 | 56756 | 56123 | 32143 | 14321 | 32143 | 14321 |
| 7 | 58767 | 58767 | 58767 | 58765 | 76587 | 58765 | 76587 | 58756 |

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #286, July 2021

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

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

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



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FOREWORD

Thanks to everyone who sent logs and info. Especially thanks to Pierre for his extended Pacific Reports covering the Russian diplo/intel F01, F06, S06, M14 transmissions and his other logs; and to JPL, Jim, Hans-Friedrich and Rich for there continuous support.

Publications:

The Johns Hopkins University Applied Physics Laboratory publishes a number of interesting documents on its website <https://www.jhuapl.edu>

Martin found the SOUTH CHINA SEA MILITARY CAPABILITY SERIES on the above mentioned website and posted the links. Thanks for that.

- [Introduction to South China Sea Military Capability Studies](#)
- [Air and Surface Radar](#)
- [Electronic Warfare and Signals Intelligence](#)
- [Hardened Infrastructure Counter-Reconnaissance, and Battlespace Environment Management](#)
- [High-Frequency Communications](#)
- [In Depth: Subi Reef Counter-Stealth Radar](#)
- [Inter-Island Communications](#)
- [Offensive and Defensive Strike](#)
- [Special Mission Aircraft and Unmanned Systems](#)
- [Undersea Fiber-Optic Cable and Satellite Communications](#)

VOICE STATIONS

E06

13825/15610 kHz, 01-07, 0500/0600 UTC

13825/15615 kHz, 02-07, 0500/0600 UTC

679 832 54

57902 21534 23283 36029 75066 48290 37025 81007 63625 21014
08400 67197 93780 31028 70560 18054 46273 74290 39607 70590
63764 27075 86719 04817 41774 19399 99071 17017 38856 04648
21690 97824 10695 48825 97461 01018 97825 87873 47480 13964
21641 26494 58901 65678 68400 76912 72510 33406 65904 61017
87184 33679 82538 24323
832 54 00000

13825/15610 kHz, 15-07/16-07, 0500/0600 UTC

679 243 50

89280 86572 47510 43851 05131 40967 50174 85532 29849 18665
71984 75133 50437 33653 52761 36253 82334 25308 75315 87500
16408 12109 27715 22612 63310 32154 99643 60984 49882 43937
80029 04552 47295 85812 48124 61951 35623 17594 75231 25908
34520 92710 79266 14782 54710 34382 99334 14213 49953 14216
243 50 00000

GROUP COUNT CYCLE NETWORK

Note that each day a group is added

11632/13831 kHz, 05-07, 0210/0310 UTC

11632/13831 kHz, 06-07, 0210/0310 UTC

537 429 33

19847 84458 34019 45794 06894 60237 74886 56392 73117 67184
37119 46741 29286 12645 99897 00028 02741 65321 41769 59158
33866 31415 90104 17792 50014 17975 06586 91549 40303 00641
94676 99088 79728
429 33 00000

11645/13833 kHz, 12-07, 0210/0310 UTC

11642/13832 kHz, 13-07, 0210/0310 UTC

537 180 34

26570 54840 68194 20201 57493 10764 38621 47758 79340 74959
07729 00631 13876 65985 92008 54808 83707 85141 14254 80670
97830 37928 79572 66827 89608 17704 62449 99146 30638 68741
90765 24635 68916 70865
180 34 00000

11644/13816 kHz, 19-07, 0210/0310 UTC

11645/13815 kHz, 20-07, 0210/0310 UTC

537 692 35

18438 82240 08670 55862 81812 60359 16324 33633 39166 44612
99931 37904 64238 51336 54341 83705 11151 21039 06569 03566
04733 63773 11455 69505 69223 96417 06779 12392 43796 14029
38793 93341 58329 62465 94098
692 35 00000

11632/13813 kHz, 26-07, 0210/0310 UTC

11645/13815 kHz, 27-07, 0210/0310 UTC

537 418 36

39549 58910 58231 87943 29721 67979 47648 20535 45868 43093
37209 48739 41142 51941 50002 86218 49936 71934 75301 65459
40222 45644 14512 11228 99580 04694 69390 25453 78357 79307
58499 13223 38389 35671 72812 04577
418 36 00000

01-07/02-07, 0300/0400 UTC. No transmissions. Reason unknown

14845/12189 kHz, 08-07, 0300/0400 UTC

14845/12189 kHz, 09-07, 0300/0400 UTC

361 508 46

33856 19854 71044 97663 32462 81774 64058 74598 50593 10325
49318 78586 84664 79748 33866 98916 26500 51095 07588 83232
80415 51385 07807 04257 15555 29048 65222 33238 51920 77818
92139 24843 03529 46277 98916 43141 27139 75223 49574 83407
49978 30060 92502 69402 74910 20401
508 46 00000

14845/12189 kHz, 15-07, 0300/0400 UTC

14845/12198 kHz, 16-07, 0300/0400 UTC

361 920 47

11235 49558 76737 77556 66938 68627 17690 24726 86598 44881
83151 45162 15263 24821 86947 89608 89731 82860 28173 63673
63702 90777 57202 51624 95504 00159 06640 64896 59374 42508
10650 32487 66198 76732 61101 75442 04673 38668 73971 32603
38805 72351 64434 29816 22703 47711 54082
920 47 00000

14845/12189 kHz, 22-07, 0300/0400 UTC

14845 kHz, 23-07, 0300 UTC

0400 UTC. No transmission observed

361 507 48

04980 73733 59418 22854 67147 09562 78273 89415 30043 17736
03931 23182 33983 51569 36629 68678 93277 15984 42845 42642
88361 71920 96108 31841 23652 69367 60884 06225 62060 63684
92953 14601 72110 94920 54743 55012 48582 34803 69027 37012
92633 31094 59450 78019 62334 03993 51304 00945
507 48 00000

29-07/30-07, 0300/0400 UTC. No transmissions observed. Reason unknown

12223/11023/10123 kHz, 04-07, 1700/1720/1740 UTC

201 201 201 1 595 87 595 87
38875 54680 07618 63378 09609 08167 12357 21412 82228 12185
25503 02187 89790 53007 82697 93285 26410 60616 32200 93125
26176 76946 25476 92343 33094 70033 94706 49808 16607 65536
72278 94278 80096 61048 58407 55957 00843 72529 73858 44415
62594 67854 40028 44430 88948 43401 99991 96081 43405 57753
70217 75699 01291 68411 13665 87319 16980 42677 08961 21469
80502 64769 75167 50106 12260 73848 26099 53767 32788 63432
64065 62047 26050 98182 69801 61274 42711 37177 13807 78835
76805 45375 65820 50604 65988 77170 98638 000 000

15962/17462/18542 kHz, 06-07/09-07/13-07/16-07, 0700/0720/0740 UTC

945 945 945 1 469 125 469 125
86995 88402 18081 93840 18963 02764 37729 22920 95378 74584
29280 63984 71056 41956 36255 07601 64694 63910 39599 30333
76080 33213 39757 08694 54607 59077 75375 70824 46049 59924
73870 37224 67822 01549 74863 58635 60619 33361 80926 85702
23934 56074 65561 84948 10252 57356 37024 18658 05356 21963
22818 90161 62150 33776 38490 74071 00744 38052 81759 45563
51705 87497 84020 99389 59471 33521 65428 35476 37274 93409
37262 68793 64180 04434 84418 79701 25848 75300 12772 44231
10859 99800 55216 69056 61767 54138 18228 89491 86046 99434
51021 16479 61682 39479 87380 66361 38220 71087 99125 92423
77531 14000 96796 19808 35345 33240 45078 65168 45728 55264
62852 56841 19770 37151 68606 03441 24733 91899 47362 30692
99811 05512 25006 68858 54187 000 000

13562/14862/16162 kHz, 08-07/10-07, 1410/1430/1450 UTC

441 441 441 1 5549 63 5549 63
41736 86988 91975 98102 11647 08011 08462 50385 12097 75387
83581 44185 86041 68037 16935 89131 00029 09497 73861 13029
20502 22730 22490 73255 82842 90161 86277 48535 29861 23252
38261 38015 29855 83762 11753 89082 33085 50245 26885 35179
48866 13919 20157 86365 83165 08859 11429 48574 04057 23922
92690 61339 25326 29071 33047 15392 69395 50141 40312 07132
02869 28098 01456 000 000

12223/11023/10123 kHz, 14-07/17-07, 1700/1720/1740 UTC

201 201 201 1 5790 66 5790 66
78733 70517 31077 06744 73081 99351 24565 57269 52969 97515
92347 38191 89527 62971 66494 16177 86838 38453 57502 76281
57889 73577 92584 86728 96533 98598 52826 89413 96928 12436
69984 97663 49208 96102 17892 30071 17996 57051 57393 90506
94198 85543 73119 94199 50545 89218 97871 85926 09757 69758
24355 75069 19145 97235 63293 57868 54739 13614 53564 23129
11513 10803 05245 95839 07183 44330 000 000

12223/11023/10123 kHz, 28-07/17-07, 1700/1720/1740 UTC

201 201 201 1 665 71 665 71
08659 15321 64155 55972 65156 18481 80066 28861 53981 05393
31904 80850 40328 52576 38566 78612 13817 81997 17022 70510
81489 74260 38903 88932 67913 05905 00666 09491 56582 09593
77668 15971 13254 56115 61257 56602 87333 63892 05064 96191
91105 35454 98185 42759 85491 53439 19410 91392 10576 18808
61266 46343 05434 42584 12680 05710 52958 77265 49282 59868
80377 84483 00323 69659 41218 72018 14042 68817 66392 50673
30948 000 000

E07a

7933/9133/10233 kHz, 01-07, 0430/0450/0510 UTC

912 912 912 1 60704 653 38 653 38
81496 22749 31802 48953 37376 65929 28084 13794 59019 79903
11885 98705 66320 90427 65676 42767 52974 08569 24225 49188
54342 71834 36680 52192 32119 19869 55508 74086 61058 90912
96840 55733 49539 39471 46490 30625 07618 55549 000 000

12213/11413/10113 kHz, 02-07, 1510/1530/1550 UTC

241 241 241 1 67673 7466 54 7466 54
06687 99145 71048 21284 17219 47404 65511 45130 78155 07970
16369 54257 98469 27566 44159 13808 82659 50359 58738 44252
96564 76644 78452 73695 03849 11260 69719 45816 78115 58664
76889 80757 75352 51749 14855 76749 82225 82958 55843 18892
26252 37708 33050 42507 00597 19500 31761 40001 38764 22792
73370 44554 70654 46664 000 000

12173/13973/14873 kHz, 03-07, 0800/0820/0840 UTC

198 198 198 1 67673 7466 54 7466 54
06687 99145 71048 21284 17219 47404 65511 45130 78155 07970
16369 54257 98469 27566 44159 13808 82659 50359 58738 44252
96564 76644 78452 73695 03849 11260 69719 45816 78115 58664
76889 80757 75352 51749 14855 76749 82225 82958 55843 18892
26252 37708 33050 42507 00597 19500 31761 40001 38764 22792
73370 44554 70654 46664 000 000

E11a

4909 kHz, 01-07/02-07, 0820 UTC

439/34 Attention
05037 17293 77178 71250 90610 61734 16536 81048 67433 23644
59873 49696 99754 84731 43642 04546 07919 05820 42038 95905
90538 06892 30670 98248 18374 99320 32146 27128 03765 41533
29574 16038 20948 49471
Attention (message repeated) Out

12229 kHz, 02-07/04-07, 1650 UTC

920/36 Attention
71742 31614 56293 50062 30998 65214 16446 97435 01045 14241
35692 92105 06963 15976 47102 35544 62218 90727 42236 77714
12099 97704 38634 02090 66488 55675 31169 50610 65850 74887
60431 33200 41857 15091 85091 15670
Attention (message repeated) Out

7377 kHz, 04-07, 0730 UTC

492/37 Attention
85568 68184 99200 69598 51835 50004 14190 82754 94857 46426
07220 03662 52666 09663 28511 77217 60263 74812 59877 48240
65854 62454 77373 78670 84215 59466 25745 74489 61342 52182
79617 68980 52531 66097 16737 12013 01889
Attention (message repeated) Out

7449 kHz, 05-07/07-07, 0900 UTC

534/36 Attention
40204 43847 21564 91645 37086 79381 73786 80757 42526 53896
00814 94326 55059 91757 56750 89859 29812 01325 11565 79744
67941 72243 07649 01378 60286 03434 71426 65712 59186 92153
52440 17186 67742 55415 44706 84949
Attention (message repeated) Out

7600 kHz, 05-07/08-07, 1900 UTC

640/36 Attention

80812 69241 37448 55074 41360 35749 92782 14516 14404 78739
83905 66623 61742 76909 46799 40843 65151 13858 71640 06954
52546 05815 43282 37666 93760 19407 24810 75336 50836 31630
75425 27228 93732 26693 96523 02083

Attention (message repeated) Out

12153 kHz, 06-07, 1000 UTC

306/29 Attention

45273 54784 25735 51531 92844 94122 55631 48689 58277 08600
22176 43811 90563 76804 96277 99473 67382 24623 18460 72157
64357 35653 26451 57986 34243 25757 14650 73114 08909

Attention (message repeated) Out

6923 kHz, 07-07/08-07, 0930 UTC

275/36 Attention

03666 51213 39976 77932 87260 50891 60115 45139 44018 96160
35568 90320 09226 75990 02176 99360 98411 43777 25027 06296
43063 11525 15490 20393 13276 08778 87257 12279 05734 25532
62668 18594 61884 56961 14960 90014

Attention (message repeated) Out

4783 kHz, 07-07/10-07, 1910 UTC

395/38 Attention

36525 30955 06117 13884 58092 21669 94668 24044 36851 06006
84964 21182 21085 86558 42844 36106 22090 10200 67673 12186
70081 94182 96932 57939 21399 68844 03431 11893 52600 34302
75008 39937 01664 80705 80629 90671 28892 25321

Attention (message repeated) Out

12153 kHz, 09-07, 1000 UTC

306/29 Attention

45273 54784 25735 51531 92844 94122 55631 48689 58277 08600
22176 43811 90573 67804 96277 99473 67382 24623 18460 72157
64357 35653 26451 57986 34243 25757 14650 73114 08909

Attention (message repeated) Out

15800 kHz, 12-07/14-07, 0640 UTC

941/27 Attention

96687 14279 27335 92667 67622 40460 12612 20676 59523 81712
72284 73218 53750 77767 78092 56503 80314 07773 49865 88115
37208 17227 22813 58699 93166 39519 46540

Attention (message repeated) Out

12815 kHz, 12-07/14-07, 0845 UTC

715/33 Attention

22177 18950 34883 98201 95828 71221 52535 92854 86275 00848
01169 52955 80686 75288 84782 29450 63719 38279 47248 11229
40634 78761 42177 13527 17780 04883 23617 98309 20957 53306
23186 24113 35352

Attention (message repeated) Out

17378 kHz, 13-07/14-07, 0820 UTC

138/37 Attention

80982 94025 33434 15838 23450 31054 83371 97031 46444 31921
01399 05744 71992 92954 66652 21670 35692 86290 19171 96896
87563 59648 84739 24432 49618 16554 84497 20671 97191 18306
73253 29400 08732 64535 01693 27545 72149

Attention (message repeated) Out

12984 kHz, 13-07/17-07, 1345 UTC

911/39 Attention

99093 14296 01145 40663 37817 07780 59922 02889 89177 66583
35209 21742 56123 57603 90843 08982 74873 46313 80175 58756
91714 19682 71923 03136 47678 38699 84392 83627 76091 09000
01568 17458 32216 25624 04974 60076 32533 71557 27689

Attention (message repeated) Out

5371 kHz, 13-07/18-07, 1605 UTC

237/33 Attention

32365 68430 57084 30118 77140 93784 35763 85158 56958 88093
66470 22263 46761 17368 42168 99724 82011 46287 34847 44233
99324 12507 29310 50886 33799 78621 14319 55683 72616 82550
53134 51311 80920

Attention (message repeated) Out

14575 kHz, 13-07/15-07, 1645 UTC

335/34 Attention

90216 00755 55522 91265 83076 24105 38064 33065 97478 34773
26175 79291 95487 72337 15789 76321 14134 56847 99129 71434
84619 03494 13181 73878 96176 06100 42168 67806 40494 94663
55994 57047 04519 24455

Attention (message repeated) Out

7863 kHz, 14-07/17-07, 1725 UTC

970/34 Attention

83819 88428 17347 32947 96153 87206 79532 06442 19452 46639
02788 40624 71239 86046 15338 69751 72874 36647 18605 19876
44686 09407 36519 65056 62961 26358 63550 52123 33089 10552
79497 89180 40260 69424

Attention (message repeated) Out

9610 kHz, 16-07/17-07, 1910 UTC

611/32 Attention

57471 72401 96774 67322 71329 82082 04616 41905 15492 79960
42506 04038 11690 70696 69703 59439 10369 60750 61002 38964
88317 38224 99368 67997 20592 92920 50625 05050 39010 08261
12830 20109

Attention (message repeated) Out

5082 kHz, 17-07, 1530 UTC

368/33 Attention

07208 35296 90880 91249 88712 56008 64385 97005 59664 18151
26516 59864 50998 72408 41242 01792 68722 00965 50311 20757
93475 07079 40790 74167 85036 00333 75438 35244 72573 18504
96432 47694 23565

Attention (message repeated) Out

14410 kHz, 18-07, 1745 UTC

248/31 Attention

66936 43607 78444 21134 73826 26546 89642 49411 75010 03448
95199 98943 27400 71261 46512 41428 16211 71173 29934 33561
45117 98453 57036 92691 44197 35649 05896 28490 84121 20672
95291

Attention (message repeated) Out

7469 kHz, 19-07, 0450 UTC / 8088 kHz, 22-07, 1730 UTC

411/31 Attention

19096 18609 22421 62024 82216 41411 75747 40860 92803 22329
73656 16381 84268 21595 06453 72473 76508 68115 59305 73510
41460 30783 88049 31148 01465 74506 62613 22899 56414 26869
33935

Attention (message repeated) Out

18030 kHz, 19-07/21-07, 0715 UTC

750/32 Attention

35674 78591 71668 70779 36552 10927 81753 47167 31962 58492
54261 91780 74620 94047 92991 66456 03640 51879 57914 51286
43425 77618 13819 38139 25987 71038 83943 79828 06409 13625
39164 46837

Attention (message repeated) Out

8545 kHz, 19-07/21-07, 1045 UTC

692/24 Attention

87259 94249 48027 54374 56566 63893 80948 62581 73423 08146
32149 16917 01052 42822 64859 34915 42447 54688 22573 60073
35537 63781 71100 03398

Attention (message repeated) Out

5737 kHz, 19-07/22-07, 1300 UTC

316/35 Attention

03208 16352 95887 11576 29080 06708 26032 50573 96515 56075
47660 90163 87522 83695 69989 81229 23111 47407 44791 56046
60641 61372 82318 96685 15378 58105 82726 02748 48866 92985
76146 25237 36026 13171 51910

Attention (message repeated) Out

10429 kHz, 20-07/23-07, 0715 UTC

633/32 Attention

52315 97592 73288 45527 71091 51335 73607 68148 53082 03158
79695 93536 34548 55128 54342 02797 42473 52267 35762 78292
15350 78484 87189 77571 17126 27205 37434 38652 49806 59562
36180 76881

Attention (message repeated) Out

9150 kHz, 23-07/25-07, 0600 UTC

354/34 Attention

64744 94453 99401 69954 44398 65183 14155 99408 46290 63255
32827 14499 50915 66961 78938 40894 68246 38778 12120 50803
14703 27400 20982 80099 07033 18450 95278 72942 37696 96821
04302 79402 15046 65791

Attention (message repeated) Out

9610 kHz, 26-07/29-07, 0745 UTC

260/35 Attention

05064 18162 31974 18855 75769 10037 43042 67467 09239 42356
97929 23605 57993 18546 66642 28679 79555 62238 32344 16486
14237 48689 92173 50360 70051 54548 09589 90868 49632 46737
98055 30869 72448 41920 47775

Attention (message repeated) Out

8091 kHz, 27-07, 0645 UTC

519/35 Attention

67157 48500 35055 02812 05912 60606 84126 67889 14992 88009
68812 46607 39268 53752 23071 89232 72102 49118 11468 16765
34478 38774 41978 16993 75253 43014 99919 39934 70039 10943
13774 05224 56715 69497 78467

Attention (message repeated) Out

8680 kHz, 27-07, 0700 UTC

570/31 Attention

99369 69484 00682 36841 62165 23003 84210 94279 39414 89039
75907 33178 01816 13849 68265 63812 98865 13930 44924 14090
98168 07493 58373 92274 86708 30153 09373 28372 50919 57421
33745

Attention (message repeated) Out

14940 kHz, 27-07/29-07, 0745 UTC

224/34 Attention

58737 53807 64468 88312 59307 54831 76156 64646 96991 86616
 78466 23251 32538 90482 10240 99839 50384 64355 78938 45750
 52667 45992 44485 76082 28207 66142 93911 04086 56401 78563
 51995 38996 69538 01993

Attention (message repeated) Out

12153 kHz, 27-07/29-07, 0845 UTC

154/36 Attention

61412 12242 43425 76233 00165 24868 58819 14078 83466 12194
 90197 90481 54194 11561 60701 38479 08471 54284 07634 57306
 63204 71990 41611 68576 38839 80486 21252 14055 78443 30133
 17076 93960 81300 07924 93941 83646

Attention (message repeated) Out

6304 kHz, 27-07/28-07, 1205 UTC

466/35 Attention

40971 47059 93793 72101 54815 37156 76148 29947 39758 88910
 08329 10159 68288 80807 68224 32853 10436 19814 72527 66255
 45298 96186 67431 36271 74963 80488 26080 68835 16989 44269
 47433 96975 84045 93012 860289

Attention (message repeated) Out

15720 kHz, 28-07, 0745 UTC

348/37 Attention

93266 07713 74263 34297 14733 55863 95087 07535 41928 27274
 93164 05641 04227 62454 51015 12313 21752 89437 80671 29939
 90610 70473 96173 12363 43699 23116 29623 85806 57649 65027
 07240 81778 62177 99373 76223 94933 07191

Attention (message repeated) Out

E17z**16780/12850 kHz, 01-07/08-07, 0800/0810 UTC**

217 463 5 01405 15003 24357 60583 54545 463 5 00000

16780/12850 kHz, 15-07/22-07, 0800/0810 UTC

217 436 5 46062 68672 97478 39685 30485 436 5 00000

16780/12850 kHz, 29-07, 0800/0810 UTC

217 217 217 00000

S06**GROUP COUNT CYCLE NETWORK**

Note that each day a group is added

01-07/02-07, 0830/0930 UTC

No S06 842 transmissions observed. Reason unknown

15875/13469 UTC, 08-07, 0830/0930 UTC**09-07, 0830/0930 UTC. Not monitored**

842 307 45

93002 90685 06312 57614 90677 17072 71158 60779 72930 19373
 32282 86675 64641 93257 99358 15298 98851 44341 77487 32280
 79406 45136 70707 40203 06186 04991 50438 94592 23885 57703
 12321 81820 80258 96507 69854 81084 04772 11099 58303 77663

43610 06400 47285 19620 11966

307 45 00000

15875 kHz, 15-07, 0830 UTC. Not monitored

13469 kHz, 15-07, 0930 UTC

15875/13469 kHz, 16-07, 0830/0930 UTC

842 915 46

58712 64748 28958 06285 30117 39201 78874 96778 50319 94785
09250 08879 01679 54607 67132 10418 61323 69121 03891 28726
93325 70787 17251 04561 37084 09686 98116 69949 15317 87275
68110 79658 10132 30483 18776 50957 80600 73313 88380 91368
20272 38171 37251 19098 78062 34063
915 46 00000

15875/13469 kHz, 22-07, 0830/0930 UTC

15875/13469 kHz, 23-07, 0830/0930 UTC

842 360 47

87123 48191 65101 41732 81283 66149 76519 36152 86020 83001
76521 64356 15597 11443 10483 37779 24910 89603 62301 17093
98253 18621 10981 38886 01463 17101 71685 64710 45873 34657
32216 07164 37530 91730 20818 12732 10094 37855 66287 06035
64876 45572 36296 25206 66435 82180 64871
360 47 00000

15875/13469 kHz, 29-07, 0830/0930 UTC

15875/13469 kHz, 30-07, 0830/0930 UTC

842 159 48

51319 76665 59456 95915 26791 29379 34856 07367 32775 85264
55738 77148 99087 56469 73141 86999 42107 38330 06024 18009
73797 98267 04436 60255 18649 04212 10458 11213 74461 72285
15315 55117 77914 38399 36135 40472 60858 83465 60765 97892
08271 66918 34092 65460 53805 48207 84307 13795
159 48 00000

PACIFIC REPORT

11616/9322 kHz, 01-07, 0400/0420 UTC

480 632 51

94241 88293 31877 75419 41306 36835 96035 80331 70737 29726
96113 93491 73726 97321 30827 18222 90595 34753 18488 34340
36712 75289 82545 19612 78516 14183 89566 33410 20568 87689
63098 79773 89577 36959 21844 92043 26345 11466 15597 06268
21540 91685 57361 15570 56275 35700 75105 22652 33399 79400
45370
632 51 00000

11616/9322 kHz, 02-07, 0400/0420 UTC

480 517 63

05098 21431 24165 31489 02901 91552 05992 25138 35815 89942
19284 59528 53565 38442 14329 66539 92765 81230 92570 31102
41612 52035 61389 58838 46858 52761 46009 29362 49012 73236
06971 77389 56699 06759 36614 68887 96118 41126 32995 64421
96531 29852 74683 86895 97727 73231 44878 35879 90403 63973
78278 15701 25379 77054 29144 69502 52067 08511 83979 36430
75908 92838 67294
517 63 00000

11616/9322 kHz, 05-07, 0400/0420 UTC

480 392 54

56932 14046 65138 29309 24116 44885 92290 21556 26253 52560
78005 98845 16355 21629 17612 75507 29425 18878 78898 34788
78249 66040 34474 34435 00081 66916 66108 72144 02618 31073
51985 65563 82752 61314 72795 26521 16510 97105 97622 34197
43605 31147 35544 36894 95080 41275 63903 37116 37435 04885
69167 39633 31704 88062
392 54 00000

11616/9322 kHz, 06-07, 0400/0420 UTC

480 671 53
99547 44556 48236 14330 80841 06552 90427 59313 40638 03652
85165 72451 69876 99122 66626 88857 40292 07475 61534 88026
53725 34762 59418 88869 36063 42033 98593 23370 24241 74102
78801 43531 19757 20856 36449 41317 07121 03247 43378 86271
60679 01204 15116 10494 88271 65604 39528 95671 85121 81530
61822 41844 96432
671 53 00000

11616/9322 kHz, 07-07, 0400/0420 UTC. Partly too weak to copy

480 925 61
67545 76412 15423 82706 99546 07168 93948 54075 24982 51826
77205 32974 46511 64479 14628 36471 73965 91718 01356 26185
19995 94627 06942 45_54 5_193 68134 90870 91197 33624 12421
78335 85539 2470_6061 94701 42888 12_59 95591 8_708 461_0
47422 01196 46622 76483_4172 43187 09410 62699 969_8 18978
_____ 1_149 57982 65227 _____

925 61 00000

11616/9322 kHz, 08-07, 0400/0420 UTC

480 261 53
11678 01811 07996 82954 35073 93043 48636 74471 63813 40477
44193 42926 53091 90155 50345 69033 93080 00940 76321 48523
85354 70313 32648 24628 74074 34100 48525 68714 17910 69808
07271 51252 13619 58269 73266 70299 07221 84262 08847 29688
53705 73821 04565 84121 11221 18901 71281 93334 80663 09093
67493 52533 26621
261 53 00000

11616/9322 kHz, 09-07, 0400/0420 UTC

480 357 61
14792 09047 40276 88710 79826 42763 32329 70124 11699 21355
97511 37536 58094 09299 63461 30368 97353 79434 75013 51005
07393 26287 04579 35393 12444 68553 08307 52641 74822 76680
07750 32065 23905 86486 01696 41116 39493 84747 37866 62615
31763 77696 99165 44749 84989 78373 84166 22259 57217 73758
86526 32247 53083 57621 03010 73064 11973 40043 24816 79692
78689
357 61 00000

11616/9322 kHz, 12-07, 0400/0420 UTC

480 961 53
76514 99823 19600 60624 31479 14449 97893 08718 08870 55063
14484 85328 90599 08941 69284 82778 77017 46550 33267 24065
98816 74846 83660 82611 34507 18391 78307 97806 06897 95493
05127 66046 57009 81564 67596 11934 18885 76849 92227 69361
43691 20765 68933 27129 46596 19981 60252 18808 74825 82482
40359 61528 20356
961 53 00000

11616 kHz, 13-07, 0500 UTC. Dirty signal, distorted voice
9322 kHz, 13-07, 0420 UTC

480 735 52
71909 03913 19010 94433 18910 41499 97486 27718 30751 32381
33234 27902 12648 15407 59348 29686 59177 43810 18719 06185
04246 03800 00766 71361 27018 12943 77098 77090 30984 84275
65794 53290 38364 67063 78977 64555 67034 00166 33381 81734
82151 38932 28590 91885 39678 41579 22643 95044 63993 25965
59690 61254
735 52 00000

11616/9322 kHz, 14-07, 0400/0420 UTC

480 629 51
43029 85850 02933 72988 20245 35192 97124 37119 85563 79141
73868 56908 20220 07833 78642 08740 26132 05829 84132 80438
39370 13220 64496 86326 24193 89558 83786 53079 21090 47816
34466 56076 47262 50539 86964 10920 72987 85410 36206 49824
22291 62380 56046 37547 71380 99578 97555 06566 43272 90176
92091
629 51 00000

11616 kHz, 15-07, 0400 UTC, Feedback during pauses and after voice transmission

9322 kHz, 15-07, 0420 UTC. Feedback before and after voice transmission, and during pauses and between groups

480 135 54
25974 97137 08892 83894 47816 75641 99335 83053 64923 00842
89194 79288 18977 26440 48428 04601 56004 87623 53229 16296
19239 59131 45147 36353 64743 27104 59059 35037 98213 66884
80930 63438 56427 43963 21295 64623 81738 80255 15390 18085
63097 52902 85901 97185 41995 17769 29234 44271 06794 74852
11254 93149 23876 17756
135 54 00000

11616/9322 kHz, 16-07, 0400/0420 UTC

480 279 56
47454 10864 28026 51429 66600 09127 59640 49181 44672 00649
95998 89482 62460 89646 34541 16252 98123 34762 02696 12796
74032 52025 16493 13622 09572 47614 88092 60875 97088 66341
11950 53847 43166 66783 84257 64982 42425 59029 15389 20829
76025 65947 80014 71372 52067 93933 14578 93177 30073 24065
16831 20792 96734 59607 27099 41834
279 56 00000

11616/9322 kHz, 19-07, 0400/0420 UTC

480 315 54
82748 42820 73166 68601 58165 62294 61293 57059 09799 18250
85371 75829 79806 70468 64312 94432 65678 30798 53401 53547
44504 28210 92839 78936 11389 44653 96785 65406 67975 01407
12832 22966 21999 00595 43872 02383 83813 51580 99674 42319
70827 36894 45315 05240 55793 97413 45801 94277 19872 41461
30319 68238 96428 07521
315 54 00000

11616/9322 kHz, 20-07, 0400/0420 UTC

480 627 54
70616 69345 20258 94091 49283 28721 35144 97535 06399 87895
69596 15726 92126 16112 36996 26382 24147 22164 58230 93583
96076 15224 59611 26114 12938 00935 47063 17149 33357 11188
48772 26235 23206 91032 43467 89486 50340 91146 16552 68946
75145 39318 11240 77043 16575 89365 66901 37082 98353 70931
61815 65709 05058 88603
627 54 00000

11616/9322 kHz, 21-07, 0400/0420 UTC

480 931 52
40503 37305 39526 46985 17538 19042 07488 65493 15208 91123
77092 12145 04767 36361 70090 09132 39449 07231 55378 08542
92646 10510 40944 95785 93839 80685 09643 12280 60720 34317
59778 02039 50943 22545 36383 11896 81945 23933 64181 00013
92265 44825 18136 32383 42809 19416 92530 72014 81492 26710
54534 90463
931 52 00000

11616/9322 kHz, 22-07, 0400/0420 UTC

480 257 61
92870 17545 67973 76609 33335 65084 91413 20867 81608 99893
25145 50341 45086 57846 18034 31900 45761 62272 28516 41579
58142 32262 59819 09461 77328 41831 49582 36505 46965 78416
56052 94301 01739 74115 08060 43668 04115 08127 10939 33035
79999 03808 25603 62545 83019 68811 62944 24824 42094 51718
60759 58338 72002 13611 35377 74301 51627 38030 25184 43036
99554
257 61 00000

11616/9322 kHz, 23-07, 0400/0420 UTC

480 963 52
98977 44574 95376 48856 65469 79005 46058 38145 07635 50001
09586 37101 01885 82947 04566 72131 22119 31691 96980 31912
80539 76356 58044 00415 11531 36505 98716 73233 72047 66803
16816 36902 56936 27404 17669 15883 52646 46218 94232 16920
77741 15276 77621 25450 83686 88346 93988 33736 14304 72026
88689 05447
963 52 00000

11616/9322 kHz, 26-07, 0400/0420 UTC

480 151 63
49532 56910 44658 32258 12330 36941 75714 45470 85129 20084
14406 90036 44651 06909 23416 53566 74915 22375 26839 27990
67871 62727 63394 69390 91311 78817 21779 68480 10007 25528
07571 73912 71003 32016 08150 35608 89019 72426 75052 60291
92869 41794 12211 96423 18873 66801 23502 90709 62161 06090
82057 83387 21840 19814 96756 34462 00934 13109 48358 98086
47054 83184 93690
151 63 00000

11616/9322 kHz, 27-07, 0400/0420 UTC

480 267 52
91735 17521 81712 17699 91254 44570 50867 66127 12201 70951
29191 80750 54932 05645 72596 71189 92832 16918 04129 36235
12690 77944 60830 91932 23919 56671 61801 05643 97568 54604
20894 53232 21050 24208 52461 41600 79529 19611 43620 63733
99915 60291 91451 78451 18383 12449 28584 32065 57367 17729
85581 64098
267 52 00000

11616/9322 kHz, 28-07, 0400/0420 UTC

480 393 51
74149 33386 74376 44530 51966 50941 72010 19371 46546 60774
81117 41074 18236 46709 06342 35477 84282 10299 06986 31773
29113 40933 41309 52793 99465 10273 32426 13188 39079 64422
22950 61463 42613 12310 10619 26805 33506 33685 82047 56616
95427 55187 86817 55722 12054 67920 19092 63171 94814 84963
98930
393 51 00000

11616/9322 kHz, 29-07, 0400/0420 UTC

480 572 63
38075 07573 58183 53223 95327 50155 19776 40047 01006 22575
33166 19216 36727 94608 30704 44828 09774 61640 59111 74493
03194 88871 69271 62027 58011 16172 09247 66258 36020 65767
31440 30637 36572 19939 49875 13329 65810 60937 08481 72491
81778 90285 46426 36406 63849 69668 71203 13167 79906 50590
75762 19602 49718 84985 60284 34128 27934 33981 44730 03211
55161 16985 83047
572 63 00000

11616/9322 kHz, 30-07, 0400/0420 UTC

480 169 52

80580 37628 13045 85191 67051 36113 75875 50072 38755 99388
57334 89337 27640 70177 60963 45274 43066 59900 41990 59625
96747 17153 68457 72971 68426 99788 00417 14451 23193 05315
60624 48988 16418 39262 95177 74242 47206 26248 47538 84440
46341 93383 94358 43298 09613 80748 16676 33204 12524 58592
04186 72869
169 52 00000

S06s

7365 kHz, 06-07, 0730 UTC

427 913 5 88146 57856 98835 46186 16945 913 5 00000
Off at 0733z back at 0736z

S11a

9339 kHz, 05-07/08-08, 0700 UTC

475/33 Vnimanaye
03650 42184 86173 16821 04519 63646 32505 58188 60923 88400
35378 73054 41325 88867 36594 23990 15085 29117 48179 53288
41073 28546 10863 81254 62896 77488 33427 67558 84052 77925
52939 16319 70606
Vnimanaye (message repeated) Konets

5149 kHz, 17-07, 0830 UTC

371/38 Vnimanaye
01037 86674 41788 49928 82050 34814 38910 81307 63860 31864
11968 15091 96839 14936 59045 14848 26670 52602 49682 25563
68454 41993 34501 90292 89506 68309 21049 38337 16391 55570
86076 07028 35404 01807 91425 03499 19466 52174
Vnimanaye (message repeated) Konets

6814 kHz, 19-07/23-04, 0915 UTC

484/32 Vnimanaye
52759 06514 81806 23342 81739 53928 26802 23785 39680 72361
52546 76508 12228 51352 76656 77773 89690 02589 36254 47643
47098 06382 72852 77037 54879 48921 73706 26578 80375 63730
31237 96738
Vnimanaye (message repeated) Konets

10125 kHz, 20-07/23-07, 1020 UTC

424/30 Vnimanaye
32708 77357 75167 74692 29022 00543 28461 42090 49558 93148
66360 05370 91179 88963 12462 34214 43215 54605 02419 41837
67947 29334 35977 79436 52241 35815 94043 67311 26668 30365
Vnimanaye (message repeated) Konets

12457 kHz, 21-07/24-07, 1850 UTC

286/37 Vnimanaye
63558 43058 16161 70846 04526 81955 53582 80182 65659 90083
01238 68282 82338 82986 68043 32491 32963 51579 26493 69362
89051 89467 44921 46467 64044 46955 68835 76193 64169 82758
22055 10204 93436 43575 26016 85120 54056
Vnimanaye (message repeated) Konets

V07

13521 kHz, 11-07, 0300 UTC

514 514 514 1 517 60 517 60
86104 44792 59462 23708 19908 68332 96991 30422 22213 63758
73389 64159 73295 30980 43301 14372 41223 31780 67795 65097
81462 29378 41667 53290 23668 25623 55218 32054 98248 58540
40735 76447 91409 26568 23331 49372 01087 12736 81424 83004
56759 09814 61596 20576 42116 36338 61243 99521 35836 68148
84563 77536 21678 63174 80830 37004 14092 91435 08100 17989
000 000

13521 kHz, 18-07, 0300 UTC

514 514 514 1 8789 132 8789 132
99850 11588 72238 84353 79143 25323 35271 79944 30650 71583
35459 35493 04850 27995 74373 49247 78645 32259 13294 79219
11429 62159 76703 26258 73750 09747 85997 03597 60668 56366
02608 17949 78789 12292 55520 94067 76696 84658 78391 40011
79029 41393 18983 45005 83938 23565 65918 63042 59580 21412
75757 77376 55138 58823 14839 80578 52450 61772 42552 08493
52426 64591 86763 48342 00737 16717 75057 13576 15444 77547
25166 12752 65908 15117 27499 67800 50111 82481 32005 39288
64257 40833 05887 32498 12297 19479 49878 33354 49547 27169
36554 12843 10352 59323 25427 85278 37268 70942 94839 18359
59976 06744 13771 07648 79023 01332 19179 34687 21908 07180
19961 73371 13205 37453 67294 07758 13724 14509 60680 36883
86990 31770 08927 04632 68453 68219 97071 25659 38854 01853
98645 37547 000 000

13521 kHz, 25-07, 0300 UTC

514 514 514 1 427 80 427 80
37911 01369 04994 23351 91487 04745 43597 82878 46978 06084
75399 97920 85182 66857 68879 36134 17984 18903 06721 26094
59538 50414 35473 95416 10256 48113 43600 16246 69902 22242
94557 41940 39235 63052 23684 58268 81217 32384 18404 61522
69501 05897 13385 59928 32809 19575 62989 83961 73296 08769
46107 48019 30089 39207 90327 53434 41584 23140 52357 46048
78581 87830 24209 31921 55546 59049 24269 05158 08336 86779
80819 29703 11479 90150 70435 48026 53985 89157 52629 82401
000 000

MORSE STATIONS

M01

4905 kHz, 01-07, 2000 UTC

025 904 904 30 30 = =
22877 66279 22418 01417 01173 94915 33671 23479 83964 44333
43151 55059 17026 01477 76901 30621 79854 24883 64452 80598
86484 35604 20459 37085 86503 18926 15872 98756 88635 95929
= = 904 904 30 30 000

6435 kHz, 03-07, 1500 UTC

025 185 185 30 30 = =
49540 71645 77125 49196 82372 11581 52462 (62462) 35029 17219 31939
12396 55107 64075 77555 26430 65171 01161 (145) 19458 31493 36085
(050) 05503 45608 76479 20046 40865 96081 00163 86913 37021 34483
= = 185 185 30 30 000

6780 kHz, 04-07, 0700 UTC. Transcript as sent.

Complete mess. Long pauses. Groups ran together. Incomplete groups. Different repeats. ID mismatch

025 331 331 30 30 = =
9115091150 30 41730 417 81 68996 68996 98296 98296 68969869
89126 89126 49384 49384 40 88240 88270 36270 362 37873 37873
35819 35819 21 74821748 32 94432944 1784317843 49 76779767
29481 29481 56449 56449 08616 08616 9017290172 30441 30441
72816 72816 24757 24757 42141 42141 41 22941229 31679 31679
56 99756997 9709797097 2823128231591645916473 508 73508
285285 3030 0 0 0

5280 kHz, 06-07, 1800 UTC

025 345 345 30 30 = =
03020 12103 46369 97154 05479 42480 67705 21138 29742 20435
13365 76061 15996 20892 61407 97743 14970 61977 66105 25085
34661 34892 78396 14104 70605 00019 23945 21801 60763 45551
= = 345 345 30 30 000

4905 kHz, 06-07, 2000 UTC

025 143 143 30 30 = =
43076 **18880 4015. 40** 29880 40251 01983 53673 43193 00208 56324 80009 28500
90020 37480 .3 90020 37480 13649 27332 87929 42734 19106 91214 92213 38600
99251 98988 96431 66789 72280 23853 16391 35680 47031 05994
= = 143 143 30 30 000

5280 kHz, 08-07, 1800 UTC. Very poor reception.

025 486 486 30 30 = =
09547 17483 18594 94738 39275 _4826 83958 03748 94783 94836
81957 28573 95831 84737 94937 00483 71841 84739 71638 82958
81947 49392 85937 11911 8362_ 05994 81649 83659 15536 91648
= = 486 468 30 30 000

4905 kHz, 08-07, 2000 UTC

025 **(id and group count missing)**
91748 61840 81957 18538 03916 98817 81539 00291 18473 90021
91673 19372 00174 91648 18362 17382 81637 89371 66271 91742
92746 18463 18251 94736 01853 83921 88154 93001 83920 97328
= = 817 817 30 30 000

6435 kHz, 10-07, 1500 UTC

025 461 461 30 30 = =
39210 62917 48216 49832 19428 28243 14880 87521 42918 64218
71726 49261 79251 48295 67428 90176 28194 48271 56721 58213
28194 67854 46725 28418 62543 82655 22832 28641 15426 05680
= = 461 461 30 30 000

6780 kHz, 11-07, 0700 UTC

025 840 840 30 30 = =
83195 39192 01841 48529 18492 31926 72910 29105 61926 25812
91025 71642 19472 28915 71934 71249 41932 89452 71245 87412
51021 64821 47892 17254 47218 02674 64218 78924 29421 10432
= = 840 840 30 30 000

4905 kHz, 15-07, 2000 UTC

025 289 289 30 30 = =
84673 28675 75645 23254 75869 90854 35465 75643 85769 35434
94657 64968 73645 75649 92343 19409 10139 34385 96712 22980
26574 58345 19567 34543 34597 87697 86758 75648 34565 34569
= = 289 289 30 30 000

6435 kHz, 17-07, 1500 UTC

Handkeyed; hiccups; errors in the callup; no spaces between groups.

025 331 331 30 30 = =
46372 95763 46372 16273 57483 85943 15263 57483 26371 56473
56473 21738 95473 65743 38574 27364 96854 36472 12647 32712
46372 86759 35462 46573 38275 37482 16273 77564 37373 47382
= = 331 331 30 30 000

6780 kHz, 18-07, 0700 UTC

025 806 806 30 30
57483 56472 26374 64732 57483 21756 43756 75847 35462 32756
56473 32657 32176 53512 76854 56738 98473 89675 43726 75846
35263 56472 47385 12321 65743 56473 97867 45362 34251 46573
806 806 30 30 000

5280 kHz, 20-07, 1800 UTC

025 477 477 30 30 = =
45362 37564 86754 36217 46372 56473 96854 35467 68574 98543
15263 76325 35261 84736 35261 43526 95847 36452 32617 47583
46473 06271 57483 32618 46371 96850 46372 32617 46573 67584
= = 477 477 30 30 000

4905 kHz, 20-07, 2000 UTC.

Hand keyed; errors in callup

025 299 299 30 30 = =
56473 25163 98473 25164 27381 34251 98343 47583 26374 16253
86958 36475 97879 45628 57683 21738 56473 32758 73621 96845
67583 43234 57483 68743 98675 34526 12748 56473 23542 87765
= = 299 299 30 30 000

5280 kHz, 22-07, 1700 UTC

025 260 260 30 30 = =
15682 19576 67358 39163 12957 81544 30682 57492 17840 57393
78469 47390 1658_ 36711 58601 45112 78084 38915 74001 46312
64890 15641 27819 33012 45671 81119 01574 14861 48891 57391
= = 260 260 30 30 000

4905 kHz, 22-07, 2000 UTC

025 270 270 30 30 = =
17464 94817 84115 47091 78431 65819 97375 05081 46371 85290
67390 74931 73916 05821 74018 47321 85943 97331 09481 47188
71493 09483 64281 84771 69403 01643 84732 00991 84372 77401
= = 270 270 30 30 000

6780 kHz, 25-07, 0700 UTC. Sent 33 groups

025 461 461 30 30 = =
61524 74857 35680 88465 47628 94756 33768 94076 87465 79987
57849 32547 28749 76485 32142 96870 57688 35467 88957 46577
35463 88957 46577 35463 77465 58332 29847 46357 58749 57649
21321 34421 61380
= = 461 461 30 30 000

6435 kHz, 31-07, 1458 UTC. Early start.

Group 2 was repeated twice and group 30 was not repeated. Ends dots between the zero's.

025 330 330 30 30 = =
12341 86756 45667 64597 09343 81223 76857 09130 76833 65748
36574 85768 12131 75647 86799 75132 45499 84756 21981 81945
19341 92742 58391 82564 57685 49390 09132 43571 71393 94850
= = 330 330 30 30 0.0.0.

M01a

9129 kHz, 14-07, 0530 UTC

498 498 498 53173 53173 (Repeated)

111 000

M12

13386/12189/11491 kHz, 01-07, 1110/1130/1150 UTC

725 725 725 1 972 80 972 80

49481 44408 84494 63280 81628 39091 57475 93059 04465 13997

07402 88020 00277 34458 23175 22737 40391 45597 32095 32149

42427 13964 64271 97778 00588 84299 56177 23239 93485 84387

28844 25335 69068 03994 40699 24539 39270 31178 84053 59005

72377 12495 44345 55247 18030 14076 02795 49003 90587 38423

44086 41558 29447 85217 34466 78562 24381 56397 29411 00892

21402 54413 58815 85439 83831 43477 85584 03695 75781 76911

61420 57573 33063 33009 63159 93374 10446 12653 13485 18062

000 000

12162/11566/10711 kHz, 01-07, 1700/1720/1740 UTC

546 546 546 1 8203 110 8203 110

05810 18697 60853 39930 98609 69542 21229 25417 32536 55449

69655 10425 06188 41803 69000 51599 98588 61005 59474 15261

55216 03987 13766 23303 59291 31349 68991 17293 64892 14728

53958 39185 71184 43498 60702 59201 80080 56169 90751 20450

17086 79032 40582 08685 42054 54847 41747 53914 09149 12515

59429 19416 92823 42875 96757 90624 99971 33599 00731 30196

06179 11115 43003 07903 92178 50217 39368 67321 36088 77388

13072 64760 10393 82698 33647 36410 43738 61745 74028 22513

72150 75112 68840 87102 96774 27468 17369 54757 18746 46483

88081 96939 90068 27187 37893 43307 56948 05053 43801 71074

80004 03439 09296 49954 21586 19062 30682 97904 16581 60582

000 000

12162/11566/10711 kHz, 01-07, 1800/1820/1840 UTC

546 546 546 1 2443 110 2443 110

44928 79284 42839 64934 26293 99991 50739 55892 40228 47453

55313 71050 78644 48686 01714 98334 10621 35760 96173 44075

06629 24525 63510 79806 00931 62408 96415 22736 47960 67709

47695 18270 85973 67138 94493 34717 08689 49616 39874 47768

12133 06301 07421 88242 40774 74923 71847 85742 60541 88425

35774 55754 02366 93840 59212 22306 10711 31265 07969 44321

80655 99905 51003 44336 98905 48471 10162 59827 46069 94383

03592 40182 60783 41708 37548 68526 01131 35647 76030 52373

51928 16396 65478 58154 12135 15190 30508 50770 19002 00593

58420 91757 70806 99239 83992 81024 15332 79359 03996 79577

30348 74327 57479 64766 53669 33004 81693 30114 37602 42227

000 000

14377/13461/12114 kHz, 01-07, 2000/2020/2040 UTC

317 317 317 1 9602 111 9602 111

29379 49430 69778 25969 83295 40987 41744 00900 11121 50037

26334 60591 35045 46368 97522 27211 15628 53555 37963 37521

62901 89734 02425 30186 00311 04717 23146 96702 60454 43114

84831 42173 81382 00784 33889 81192 63415 27434 67582 08652

49545 53488 75631 68565 75554 02666 31253 50967 96911 91868

67592 26383 51369 21276 81118 38121 14901 28456 96124 24882

02560 55743 97367 15147 64858 03482 26436 45892 09611 04720

70191 65258 20419 51487 09629 84835 55319 62390 60256 51874

72759 94136 56264 76757 61865 53053 29793 50080 39822 55150

27523 43875 52120 16941 32422 80444 33432 84659 07307 71756

26409 95274 21489 84326 02799 63273 41729 87554 45995 79624

31495 000 000

13381/12181/10781 kHz, 01-07, 2110/2130/2150 UTC

317 317 317 1 673 97 673 97
41622 02286 83797 33007 00567 28051 79222 06098 62747 33492
26057 30883 63654 45286 53573 38537 29168 75510 43999 42225
63334 04212 87924 75893 28489 25881 90302 12625 35390 36690
53252 70780 12153 38702 55535 09769 50394 63912 78090 80212
73216 84119 78246 82643 75212 58518 65133 34375 44951 58488
79792 76212 39807 74361 36115 77476 79338 43331 65474 57287
18655 89100 65217 64180 92143 70341 82195 38652 23349 13376
46655 87579 31251 47438 60542 89040 91528 73283 02370 12789
92514 53297 79011 72961 94883 75869 83384 03665 41707 46114
27897 21702 71872 11522 04654 83849 15454 000 000

7475/8075/9275 kHz, 02-07, 0030/0050/0110 UTC

402 402 402 1 3786 91 3786 91
40921 80915 62984 29664 91908 41078 21540 98517 62235 05400
65810 60560 75527 54044 44158 72561 86795 93364 02850 91901
79594 42091 46274 44720 60882 07414 99533 67877 07842 06307
65573 71265 37728 66131 70197 29535 32186 88854 27784 70451
78033 38178 44511 74000 89991 99502 77859 32066 23312 21189
53720 97349 19209 55619 13169 03433 59702 28165 61071 23136
81733 86911 32859 02747 38868 40641 37076 17658 04827 21164
95494 44944 34858 87175 79285 81590 65077 47717 00671 18734
81697 16315 22874 34438 83200 63074 76570 50700 96437 47111
87862 000 000

10767/10167/9267 kHz, 02-07/03-07, 2100/2120/2140 UTC

712 712 712 1 366 92 366 92
46481 91068 11787 02007 47367 14200 69961 03308 21714 04128
90652 65795 66029 03332 93880 84821 18214 27197 79468 93024
43835 54276 15934 29677 15530 88631 82034 62059 90307 20415
69584 28380 40846 29340 72796 39632 48547 19708 25220 48569
66444 83986 57160 93860 78108 20480 78827 44026 58370 70710
76301 65349 45768 87494 60405 47778 37146 65276 85559 68538
33414 92063 32998 86869 24459 35135 99169 83915 71095 69413
79768 69744 12522 57290 88902 06164 57111 70378 74277 86783
41642 33318 46499 08590 60330 63133 31390 47549 31804 24131
08536 38547 000 000

14377/13461/12114 kHz, 05-07, 1130/1150/1210 UTC

317 317 317 1 7878 90 7878 90
88860 30898 69871 58013 66887 47822 43053 03794 18228 64921
01554 20995 52664 29340 11162 73501 08602 38400 03838 91585
71419 99836 84974 75540 44230 73782 68744 93413 39142 63090
36071 29001 52000 97535 40417 53714 33879 08931 02397 09042
98636 21805 81968 24219 17215 17546 63284 56416 89973 82714
66941 16474 56449 58112 59141 28487 99499 94863 92771 25587
91588 65439 31605 51449 10483 32339 63607 74513 49479 76625
00086 96654 41142 05537 06215 15796 75178 62837 18068 28048
10254 47925 39787 80356 87156 25622 25204 72624 82584 10199
000 000

12217/10817/9317 kHz, 05-07/08-07, 2000/2020/2040 UTC

617 617 617 1 6005 87 6005 87
12233 45026 22338 86899 78128 93905 22723 94017 90514 90668
78050 66788 72513 03189 63297 89726 38174 47605 62509 82447
81478 04183 44217 38255 85316 01653 39674 12657 92605 91303
91541 41076 97949 68479 14871 45063 99652 03334 04407 08573
38078 89924 63840 84582 05942 04153 95513 08083 63267 64362
14072 39610 53222 62904 91222 47083 76558 65459 53441 15693
46523 53990 52718 02417 46819 03211 45613 93977 78606 71717
42458 12418 06004 59118 07606 39282 01473 03356 87487 78991
91509 81434 68278 54059 96462 07415 40232 000 000

9317/10484/11552 kHz, 06-07, 0530/0550/0610 UTC

135 135 135 1 2809 112 2809 112
08963 79174 89925 63574 23491 13401 55659 57976 92029 33282
19235 74041 34169 33420 83705 02198 71689 63391 17453 41335
99983 81185 42064 18363 00518 18270 98838 82741 41436 86811
67705 94892 99486 64686 90858 85140 40153 11788 43721 47660
40942 59117 42497 88845 46892 52644 18535 40638 10613 19852
68216 72026 23675 66133 71553 30660 64117 35468 10475 84857
48414 53673 65329 82592 02451 77794 91195 89962 08631 67277
68936 23907 85623 54461 82871 15035 04027 02723 49993 41496
12569 40114 63647 34443 26136 83936 01064 79333 00587 13410
07963 40200 00744 42909 41102 11354 48736 21439 76323 03032
84426 86931 36655 12481 38611 77872 80936 04577 62015 09872
78229 08308 000 000

10807/10207/9207 kHz, 06-07/08-07, 0700/0720/0740 UTC

822 822 822 1 7055 80 7055 80
92335 88078 83658 89870 35798 04312 13615 56905 43629 78372
04993 65945 18542 27304 88881 98367 08567 37923 12015 60182
21242 95377 23051 81526 96981 46635 07209 07326 12549 41893
98236 24304 49011 38902 31983 65938 06958 18949 42627 77241
53777 82419 63877 25866 30919 80673 80969 03275 36272 46298
18633 41750 73561 73117 39531 79803 92455 72189 65575 64704
85295 49841 51400 09576 94545 25096 00803 10797 04841 64979
63774 64054 78457 92140 04184 93601 22972 77048 99476 02863
000 000

13979/13379/12179 kHz, 07-07/11-07, 1600/1620/1640 UTC

931 931 931 1 4752 73 4752 73
02363 12644 09162 47580 22741 84407 22439 24440 74439 80032
72899 70706 21905 83775 72284 08011 31863 29634 92862 15923
80248 56110 83164 57434 31599 88931 13748 58762 01574 48811
80662 51085 45978 39196 74113 31932 32478 21141 99756 94656
64171 19331 65239 80652 75315 93276 27808 88751 39590 27021
49790 22728 01762 99862 09528 52966 37332 76062 89159 36684
28301 17127 93710 54926 57274 71585 19070 93810 89910 05840
11372 20578 79440 000 000

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

546 546 546 1 7047 110 7047 110
20637 04213 66190 48207 42437 29538 35304 17676 28177 77967
62922 96265 08839 02049 61545 51660 40951 16184 44015 30776
47461 56476 79650 09227 41104 10391 54995 75245 41316 58414
47492 25429 43561 30703 56763 28039 36256 79972 11051 15693
40478 70869 45125 81094 41072 46252 61094 31469 70278 69703
95758 30754 17242 34181 66407 38295 48112 14411 34917 98855
18986 21684 47890 25011 80968 27227 50734 58359 07676 55015
37636 18393 58408 39444 32521 13292 67174 84373 65414 12583
61561 11424 76366 87760 95617 87470 88466 51452 70136 02746
35884 04483 37625 91701 63143 84357 60916 39626 17629 94877
84739 03455 51916 38562 95430 96953 46578 13516 95060 97456
000 000

9284/8084/7584 kHz, 07-07/10-07, 2210/2230/2250 UTC

07-07, 2230 UTC. Restart after 2 minutes

295 295 295 1 5368 106 5368 106
42760 52519 10604 31496 00444 08482 67866 55550 13547 92512
14883 02825 74275 47673 24947 66766 80901 76074 14216 75409
44203 76776 60683 64896 09686 79872 94501 17846 19758 69629
25270 92913 23745 82315 63112 08065 46622 91883 01640 01056
73413 84618 93417 59870 55611 74780 64650 86074 26459 20823
30377 37534 08428 09603 31667 85428 71203 33360 88426 39017
57533 31670 71406 33957 07733 01812 78163 34039 69934 48764
52844 69572 21747 47015 29699 93322 55989 38463 05028 81481
46351 55611 34979 29455 15351 37606 61683 28180 47962 16371
88591 56497 10419 34278 78180 38248 09537 01979 72992 37253
04608 10902 90699 52795 88752 44740 000 000

13386/12189/11491 kHz, 08-07, 1110/1130/1150 UTC

725 725 725 1 1966 97 1966 97
95478 46412 48325 75446 09992 38235 06233 15436 63761 20243
38847 96444 64062 86083 20189 72280 36801 17764 40989 22142
69301 27959 73640 05940 08449 10287 40864 42899 47267 04589
63642 74800 14174 65006 77955 26878 65481 13436 94797 96411
54422 83189 16123 60263 21636 30086 51662 10262 72545 22450
84788 48159 83323 00592 58535 05184 05477 13878 29674 39215
27425 98428 87218 29551 62710 61892 12031 30127 29599 56582
43798 09328 80407 56994 17379 76824 95977 84150 47839 24513
87540 69090 40179 21729 05380 49086 20786 20560 94146 46037
17222 33736 68237 32216 26010 63925 78715 000 000

12162/11566/10711 kHz, 08-07, 1700/1720/1740 UTC

546 546 546 1 8254 112 8254 112
60652 61108 59784 36681 33724 76003 89726 87118 86104 59819
32864 33304 90069 61526 55493 62688 87810 60182 43068 75507
44653 78837 16516 22953 50691 24705 16504 40373 72701 78806
55961 37731 21776 40571 18226 32673 35740 57981 73050 64037
72184 63708 00998 74371 71764 88720 82306 03894 29990 63073
21329 55546 76599 87927 35438 72757 47987 79001 48326 64991
94800 67932 38972 96622 96812 42162 23747 09981 99788 68606
98662 35785 45319 90591 06702 98035 65002 46013 42136 36688
52686 21632 44428 85284 30456 85339 32140 39139 30688 98948
83735 58018 77249 22925 93881 23567 96850 04895 48052 68196
68698 54922 12448 08649 74070 13365 41600 19964 55663 14571
71798 28987 000 000

12162/11566/10711 kHz, 08-07, 1800/1820/1840 UTC

546 546 546 1 2901 112 2901 112
06410 09472 18714 17494 61310 56084 25142 19091 38068 92973
51822 82315 48620 56282 20480 75720 26249 07923 85846 51262
30040 86914 35012 76239 86954 78015 53107 26731 47880 25718
89863 60503 05858 94039 18825 18141 20926 54460 20700 88200
85426 91601 79081 96582 59327 11717 26033 66667 48343 20881
13375 81145 73439 18654 39818 66894 13905 82385 54209 04052
43347 14199 23104 44370 84899 87827 25270 70433 41493 13164
50254 95348 46917 61406 40046 60967 55272 13730 27959 71226
08190 50897 85672 84185 23194 70448 57707 63266 05861 60220
30363 67243 55302 08696 51525 75577 67245 43060 81721 41730
74255 24115 12477 73857 68997 33200 57160 15683 02909 66054
12264 95381 000 000

14377/13461/12114 kHz, 08-07, 2000/2020/2040 UTC

317 317 317 1 2022 108 2022 108
33693 97192 89732 28296 82585 18369 42522 96976 25125 65711
32979 17742 04407 53502 69424 20228 50156 12831 18555 71140
30695 48637 04556 02836 24190 73966 09824 53202 35461 63985
53887 88787 09066 06211 60713 60574 33011 71955 65322 45790
01878 45750 83044 68859 97654 16589 02573 14227 24456 35985
57200 34337 70869 67202 15587 52180 56733 39560 71959 26750
62953 01435 02421 02435 72695 96984 94684 27103 15110 47648
91492 46003 32586 56588 31494 10580 29595 70650 67169 99255
82755 77551 31101 46528 59982 50704 17931 02038 95146 45155
34060 82829 70409 61881 15149 98428 09251 77323 73840 90050
27243 72570 97639 88992 88553 86739 98925 26813 000 000

14377/13461/12114 kHz, 12-07, 1130/1150/1210 UTC

317 317 317 1 4199 91 4199 91
51686 25362 79652 22322 72371 09293 44577 57525 00674 98628
31793 28976 33328 23877 47171 76531 13010 26544 78862 76391
50853 60086 62654 02225 58439 59444 02515 14473 26778 42212
44045 75458 75536 36493 58493 91654 36329 52168 59996 60314
77287 69116 58904 02340 15807 59526 98506 63453 60093 70846
36813 28211 73947 73938 78803 04870 50063 29474 71335 21625
40469 58772 70416 63214 89290 55440 98525 46377 31646 66179
98487 58463 03363 84251 09530 62733 83751 03740 61737 08917
24668 02170 20124 76752 57744 91160 82651 36160 82048 69599
31492 000 000

13381/12181/10781 kHz, 12-07, 2110/2130/2150 UTC

317 317 317 1 894 80 894 80
11260 47060 81545 21920 95424 16114 01646 61903 16340 72110
11974 71192 08275 62674 58093 28382 85093 35984 52574 71064
26749 70373 68098 67518 82478 66259 22087 48721 84230 73332
51496 03200 84877 47440 91966 59034 90544 39203 87213 92051
44071 97484 89569 30480 63759 18838 99021 31068 63817 20131
11031 21859 79050 72467 37724 83414 81244 85144 64315 59454
40932 44132 63584 91469 66698 85582 43438 65646 46393 67860
75822 46956 94467 62540 47015 01266 89566 42651 36155 82547
000 000

7475/8075/9275 kHz, 13-07/16-07, 0030/0050/0110 UTC

402 402 402 1 4108 51 4108 51
59836 35915 35931 50435 10429 13675 25176 53203 72717 22418
72286 08381 44796 90521 72973 33551 25225 50633 40875 18370
40347 22265 09283 97244 54425 63769 84389 18602 31055 16794
69930 95714 50154 89530 33335 46534 58808 93350 19221 18165
09596 69049 15446 82887 39509 32510 27266 98235 65592 07806
42517 000 000

9317/10484/11552 kHz, 15-07, 0530/0550/0610 UTC

135 135 135 1 1789 107 1789 107
23940 95904 53255 30326 93311 32223 95701 55806 41346 16352
93984 80826 62664 96240 81362 70950 79604 65852 47639 15706
54844 70367 80329 76617 48615 15960 22994 20166 52184 33442
58521 68792 20655 51476 64951 16781 71545 37678 43233 55538
19675 18000 90975 15201 85791 31616 51389 74783 46578 33482
93519 62762 92844 86077 78367 19918 96796 16193 46164 18129
62704 10848 72682 25972 25142 07625 37711 69645 17606 20331
69406 11374 44694 95466 38411 58170 93308 43759 56990 61757
65678 84281 30574 01510 68960 79414 40504 47529 90836 50150
55650 85960 99147 24420 25311 59605 67908 84095 88910 98463
05847 02435 89813 20158 74572 46101 65964 000 000

10807/10207/9207 kHz, 13-07/15-07, 0700/0720/0740 UTC

822 822 822 1 419 142 419 142
19655 32397 24398 15369 92612 75490 75530 74272 33452 62118
54794 69820 11356 39737 06445 92619 54124 35446 94540 20921
49915 51654 37043 04891 91821 39216 82416 76927 77231 89837
03214 54698 03782 70076 92024 61906 23614 62744 89780 82296
33150 92894 86996 13815 12319 98041 74199 45769 16652 74558
55782 36116 61673 77590 23283 43036 77285 71145 92838 15279
23428 89443 90947 54506 71666 41198 08556 37237 14116 41481
64748 91455 96676 07400 14522 33730 89673 36357 54566 00756
54644 35718 51444 91377 08095 02722 56927 45036 22184 85709
81305 00144 84000 73925 11092 97404 70552 83753 18986 39327
88336 43638 46385 76856 76062 01058 92335 79020 15309 83400
19355 80141 41731 26833 62245 49638 43933 36655 54513 07657
17648 75936 11362 82247 61222 22710 40642 90008 01086 19592
41773 02805 30979 25688 27153 48090 43167 51349 13871 12247
93502 49638 000 000

12162/11566/10711 kHz, 14-07, 1710/1730/1750 UTC

546 546 546 1 6955 107 6955 107
34797 33387 95636 95470 06651 98099 08610 71509 73626 22832
81563 77187 42496 09538 79472 60489 70771 93982 00735 59756
27545 87836 73390 44777 70618 61027 63826 95313 24515 66831
02988 20358 66560 44120 81545 24452 03717 33044 81736 59910
15522 87535 76737 28486 04781 73279 35350 58588 67686 23353
75059 77605 44841 22232 43509 37829 40731 84852 71433 19263
90029 49056 99411 47423 84704 28267 45199 30447 83283 87328
44034 42977 57372 47417 43044 42976 45973 94844 00662 10569
13154 13689 23212 07532 98976 46313 46374 14432 68042 78542
44130 23480 49455 50460 63205 07459 61998 04971 89638 64596
63836 12179 58984 30465 01752 66829 52582 000 000

9284/8084/7584 kHz, 14-07/17-07, 2210/2230/2250 UTC

295 295 295 1 629 86 629 86
72396 16941 29570 74877 83820 08680 32896 14215 85822 65524
45855 82682 15717 45587 02254 21189 48364 68866 13554 89669
69312 97428 85061 45330 57051 50380 07032 62294 20652 17615
82160 65464 68047 86610 56158 16037 18885 98361 49414 77875
43184 66237 98351 11754 37256 21526 84652 59655 23675 99448
68318 76587 99008 16654 04310 57893 94499 53641 72057 33673
34722 52136 64272 59684 84714 55840 43875 73195 49023 70608
51803 35523 87598 45265 83044 45343 57594 02022 95881 26138
75250 59407 66620 37575 99928 34204 000 000

13386/12189/11491 kHz, 15-07, 1110/1130/1150 UTC

725 725 725 1 1867 99 1867 99
52848 99023 73322 75416 62247 01585 30954 82443 26475 19482
68702 20478 83260 64883 51083 97496 17759 52821 88665 84878
61657 47973 55406 06665 45564 74425 48709 91184 73186 33594
28114 05909 93619 68416 94728 04701 48482 67568 42184 37999
48425 70933 68895 18783 93822 72974 34807 54225 67222 53233
49050 10198 41280 10810 66537 20507 30530 43205 42340 45410
44027 84788 04114 45886 88765 33032 66392 80261 06324 91105
96552 67473 53363 40195 42166 15515 22072 90876 15536 63600
99241 64990 11320 23531 32323 87899 88406 20566 51865 92323
37297 66902 96902 27257 27976 24774 64556 05430 60436 000 000

12162/11566/10711 kHz, 15-07, 1700/1720/1740 UTC

546 546 546 1 6889 108 6889 108
72183 54333 51113 67110 68719 65596 57107 16009 08201 33602
37828 65997 08477 79132 96010 76796 28563 79811 67128 14424
31383 66610 97934 23730 81926 25829 31552 15637 13611 87886
77125 21020 08327 82403 77468 54817 57961 50299 94326 29343
52748 02530 83955 38611 70413 33195 50481 29470 34991 64872
33225 58615 71574 79132 34818 30497 84462 28126 43323 19154
62549 94042 43736 26952 98868 00686 39940 69072 87601 06950
49524 84959 97288 53230 36133 21747 30171 33692 20482 14826
74647 88292 66475 85464 16218 32302 73480 84603 51775 55624
50185 02563 54175 31566 38338 99552 75066 61620 69077 19011
49060 76705 17936 03508 14269 48656 08348 75459 000 000

12162/11566/10711 kHz, 15-07, 1800/1820/1840 UTC

546 546 546 1 3267 112 3267 112
59169 85067 73338 50406 46594 56988 96620 28638 96072 98009
72284 94113 25287 16026 73026 76775 66991 73881 77495 34191
27741 32017 36366 66370 77208 09062 24862 98577 42618 13838
71493 45750 41394 88747 80595 51116 71775 19827 41963 38779
25360 65537 33583 34642 99563 71852 63324 27168 54443 05030
82340 30723 57911 99341 53956 44023 10553 40910 29833 85345
02624 53876 89592 51476 90138 65628 91682 83307 12152 24808
71574 91238 07597 73673 18305 78616 16541 75943 71927 46285
97177 87516 04176 31189 13236 99121 16857 45762 90772 29253
24383 54717 96204 46501 84459 15513 06598 72921 98692 37627
63135 89792 89576 21317 16382 07535 39247 65140 74002 92820
24556 90314 000 000

14377/13461/12114 kHz, 15-07, 2000/2020/2040 UTC

317 317 317 1 933 102 933 102
21073 18439 34791 49459 71616 68659 49217 43650 47809 75043
23153 04816 32834 32627 03945 03618 17127 16676 94587 18466
49772 94703 78625 61663 45868 58073 19053 29307 61549 07230
02721 80196 13972 78183 67686 30477 75762 92745 18436 31821
26494 26857 86418 65342 51731 72223 21255 10819 33166 44350
77395 09187 93625 74857 57249 29077 39715 47294 19949 96819
05785 05893 19413 06570 91905 57850 50976 81964 99363 25809
31110 86729 27398 09645 87820 98272 09757 39778 24671 25482
29440 52810 03998 39824 12853 40117 44450 04251 10678 84787
27141 01815 51735 68498 86213 06074 93334 72030 96195 93321
00709 64000 000 000

8094/9142/10256 kHz, 16-07, 0830/0850/0910 UTC

471 471 471 1 6059 280 6059 280
51626 83247 02779 91537 41494 59430 50447 53048 63408 13389
38311 47780 98832 08393 60141 06312 25637 76322 85249 74088
30343 26800 73657 32564 35075 08753 66539 12194 07325 59665
58434 80693 39363 17356 10524 62810 02197 72281 15260 13684
76094 43198 51492 18496 95445 58913 25072 42142 40305 91338
39715 21649 64056 01667 96961 82485 44520 28820 35756 90735
84669 69006 96784 19753 12364 39402 85127 98933 27860 68804
02194 50916 75087 45415 30321 34768 40461 54181 99775 77096
03750 98880 03321 71461 04695 42663 54808 12851 65371 65568
63375 67796 72145 64349 42944 41889 87087 20041 34884 43824
12063 34930 59907 92372 54926 93000 12538 66343 81736 35804
29009 73894 93939 23521 38843 46552 35957 11541 28303 42434
09691 30665 07270 44357 18118 44808 12112 49033 05891 56698
08863 18407 92583 76046 44016 60103 87918 33581 54064 89063
95133 67797 07469 12399 30231 04377 60564 25671 56510 89372
65060 83813 24010 01816 56673 75033 00641 19866 97449 16319
61206 99232 32483 27598 13146 72182 11947 87582 26533 63517
30327 20738 67401 13014 41776 48710 47008 07664 80195 52421

32373 23663 42633 96321 46475 30720 23597 23376 61930 64855
88207 68619 16450 06661 63665 26168 92162 41520 46174 07429
07148 51554 96930 94736 81467 91914 52868 10776 25970 77864
59061 83569 31408 67249 87063 31650 23369 62259 85183 11984
94375 89337 76067 08702 45651 36132 12700 70611 78982 14413
24869 48751 27016 48969 02694 65839 91009 74115 92099 07817
25812 08823 99452 06018 07810 81604 87667 33879 95885 97468
37636 47614 81884 12889 77228 48050 07010 01392 66720 87034
79571 65442 66114 10674 09862 00910 68703 11394 56876 94689
81293 70941 55245 89172 96638 30102 64022 55865 11888 04417
000 000

14377/13461/12114 kHz, 19-07, 1130/1150/1210 UTC

317 317 317 1 6397 98 6397 98
03616 50376 82856 03290 86692 63009 16579 70643 59600 06849
45376 45866 17175 23473 64236 44661 92768 32313 84122 44540
38173 98258 50540 52383 82869 46380 19980 61784 26351 27668
92561 25875 26282 26522 19307 33095 98667 93168 05739 82458
75963 62085 38415 69766 98562 96348 48196 13889 80091 65908
39911 92854 58511 99633 45748 70835 03951 60732 85209 66085
24914 63248 36973 15712 93443 70577 28988 68973 50727 80722
29121 59356 43870 51692 62477 88221 96826 17814 40004 67933
15804 76803 25709 77718 40467 47173 01679 25651 51496 50074
45989 75097 44537 55505 92838 22633 61837 25228 000 000

16284/14984/14384 kHz, 19-07/22-07, 1600/1720/1640 UTC

293 293 293 1 9210 89 9210 89
57982 77275 01223 71796 67968 69123 90002 86587 80813 81772
20522 11063 85316 29629 09358 69613 90192 47047 03679 93046
70400 86146 36312 79701 83406 35705 81610 74329 22637 06623
65639 43407 80646 93757 75928 91528 52128 11259 52771 32965
25131 11985 00530 25073 90779 09024 13607 27852 00713 53082
93701 31633 97308 57444 02405 18182 17989 48196 80194 16848
37620 52065 02547 16605 18191 36239 72257 11417 79694 09633
00013 12576 71392 85649 54911 92694 70464 07394 84464 78832
03151 28609 00401 47531 35922 93859 02966 03282 83777 000 000

12217/10817/9317 kHz, 19-07/22-07, 2000/2020/2040 UTC

617 617 617 1 228 61 228 61
23662 34339 60395 06796 71173 43111 05321 26062 50815 28942
17352 24452 03420 49413 49811 30866 09622 07404 63233 90177
98227 29987 11093 51717 84106 93481 88631 84867 39259 42904
70411 25738 08487 46416 06456 56335 13599 84903 15476 68368
23439 67064 09964 40290 06378 57171 96207 89376 08124 40111
26250 55973 25371 43194 43170 00608 09674 90195 67006 53020
17782 000 000

9317/10484/11552 kHz, 20-07, 0530/0550/0610 UTC

135 135 135 1 6544 112 6544 112
76876 62418 80096 36648 12567 09646 58209 01519 92322 30581
80954 72757 74606 56338 45173 18396 66820 80347 18897 45862
89001 56975 81019 01709 30979 85235 57420 39577 21447 08633
48464 09041 66984 50304 46600 67949 50373 35085 32780 98452
57157 00329 87027 64415 30941 81878 36440 03783 73470 77590
67164 27711 85386 91758 37933 55120 63694 25151 01209 33759
58376 41981 98652 96428 86547 71090 47915 72901 98431 89373
33512 55730 18942 59573 24663 40228 88291 45846 13238 50610
74125 22602 84765 24854 15795 76779 07800 20403 74101 79937
07099 18339 52921 82659 74143 69839 97117 55950 29811 07402
24998 26310 99996 58351 81624 34223 34769 11444 82598 35024
36077 95814 000 000

10807/10207/9207 kHz, 20-07/22-07, 0700/0720/0740 UTC

822 822 822 1 593 144 593 144
55701 28780 42599 26043 28630 88982 96785 33804 75431 01060
28659 49136 59070 85803 55680 64854 68821 76018 47552 94264
28154 26356 65182 85816 24120 24329 83909 85819 51996 09508
51407 10894 59933 30464 98567 56559 01001 52006 22045 24379
87997 81703 57104 11549 46178 70555 38080 02874 68208 83518
37561 46681 89861 15234 11779 54420 05712 48144 81931 70493
80248 51742 78170 60935 62851 13832 38819 71154 64191 00925
22304 26078 33403 26687 10516 01446 71595 09233 98127 23165
24557 18234 21365 59109 87168 05398 26607 52177 78262 10448
27054 32055 55600 98978 73953 71540 73014 45057 46641 30701
67081 26698 19423 28428 63026 04511 58855 93104 31841 19665
46719 94227 52040 21598 78801 24882 68719 18958 41350 24861
52020 71958 37884 79917 45650 34893 54082 48447 33968 47655
03608 72550 94312 91870 34836 20317 58201 17424 55609 30626
88060 11764 63142 07030 000 000

13979/13379/12179 kHz, 21-07/25-07, 1600/1620/1640 UTC

931 931 931 1 3736 60 3796 60
38322 62770 97723 49594 06764 20048 64421 72490 25424 36126
98142 00590 71981 64225 22840 27712 32454 46311 53479 25179
19679 09216 58495 47645 89406 17486 53773 18581 67267 25766
74740 66789 21218 39863 77462 75374 69684 21570 50137 96679
86955 64573 61545 73835 25146 50358 65986 26739 72043 34625
61137 11695 23039 64736 15775 80271 85495 47043 84026 54237
000 000

12162/11566/10711 kHz, 21-07, 1710/1730/1750 UTC

546 546 546 1 3313 110 3313 110
50063 96283 38225 39569 79592 18457 04618 89118 57941 09857
31979 89767 15371 20334 96883 10317 69764 73082 74141 85799
71719 21581 70895 39308 81375 34102 28625 06385 89224 16042
08709 08318 14778 43455 43241 80061 95018 80755 66902 03015
41366 97531 27501 32383 47635 71067 49238 69870 45240 75423
72556 25891 08600 52923 70786 82691 18180 15488 50901 28812
43124 17816 28519 78426 36680 19889 46950 12649 88730 16233
38092 77788 00848 39467 79450 74582 44693 29362 04740 59620
70573 38535 20748 50668 17026 52680 82690 17366 37675 41365
18605 42015 49551 56219 46551 42457 36919 06870 74109 95767
59095 16200 25529 96823 51340 98859 15291 99632 39647 81597
000 000

9284/8084/7584 kHz, 21-07/24-07, 2210/2230/2250 UTC

295 295 295 1 183 42 183 42
02004 52273 68527 83994 91553 15528 75983 35671 84496 80089
43602 01997 90453 06549 34786 51989 25215 49137 79952 92759
78896 66057 55960 25127 17542 68230 70784 56835 86122 14947
44195 04883 92128 11589 63647 01855 23392 81961 69798 02340
80888 79914 000 000

13386/12189/11491 kHz, 22-07, 1110/1130/1150 UTC

725 725 725 1 4998 96 4998 96
45700 96955 94093 47898 87546 08438 44829 34317 36256 79088
54417 56468 68609 05907 44006 98642 79871 64483 98594 53875
55423 98134 99631 84760 82687 07317 34247 31146 27665 33719
85695 79144 91942 45224 70740 63816 11598 92176 45659 27089
10845 86587 79646 89431 22958 64554 73396 67236 88302 18225
94565 44683 55230 89877 96265 01736 41928 98466 44497 80383
88730 54308 15761 24144 28786 97430 10714 91725 15272 20963
16366 75680 48882 95872 75163 46617 40530 37032 45147 90240
41095 78501 06803 58315 54974 78029 52777 09397 12168 18025
75299 12502 30609 19931 90549 36649 000 000

12162/11566/10711 kHz, 22-07, 1700/1720/1740 UTC

546 546 546 1 8544 104 8544 104
43093 82192 16564 27657 61424 82797 41135 58985 49310 64487
74774 72903 63146 49089 00665 11195 04626 50708 50708 80715
03265 42839 49253 22717 47322 97054 12009 58258 76129 73035
19537 27328 23539 26250 93696 35423 40083 44491 38417 28704
54342 80237 46802 31883 59149 68150 47638 76167 05555 52286
46711 72296 50802 10758 95276 76431 98733 56135 68543 33251
25431 72586 25133 29128 54785 37485 06363 39590 34598 79118
80835 12377 27198 07406 06303 88492 59978 62819 39383 37837
67392 38171 33798 93592 95230 96873 87993 31060 72762 65132
71092 72004 23487 29417 32151 32740 58252 83606 58054 88089
36214 47542 53507 76126 000 000

12162/11566/10711 kHz, 22-07, 1800/1820/1840 UTC

546 546 546 1 6531 106 6531 106
29977 95437 03000 48633 07054 34971 04445 05034 71682 13964
55727 78396 85738 98636 40327 09565 58209 56898 63125 04257
68560 39773 73071 34224 73762 86232 54512 58696 58164 72229
85827 83851 88849 62696 25299 34775 66684 61151 23496 26474
58519 71752 74582 76421 72041 08283 40774 90747 83250 49345
88436 56330 27849 96358 67368 29994 35893 31711 14691 01363
27554 49057 12437 72539 48222 41287 71808 47318 47636 08006
91264 70308 35952 02292 03609 08640 24720 38510 57585 61221
38609 98949 91132 19253 39190 85964 50733 64823 20384 41995
37185 40226 63961 57455 74516 77928 37604 71038 82791 11152
23917 54682 82289 53991 03362 31285 000 000

14377/13461/12114 kHz, 22-07, 2000/2020/2040 UTC

317 317 317 1 4535 101 4535 101
50927 80487 65708 12840 95207 58755 73348 56388 20491 03684
68565 34417 40863 47249 64567 21059 87815 26624 77146 22255
50713 89253 66698 40921 78982 46744 12719 82761 60919 65552
43984 79443 70184 14231 14989 09090 55042 92472 21678 96114
00477 09817 52807 20966 35398 35615 79639 68434 12079 71767
38827 16933 14893 56848 57321 79235 07425 48916 62099 11703
38114 44426 67152 59072 20354 77095 51334 10867 23909 65489
48023 94758 26303 54154 15116 28765 81349 79785 96522 13464
93561 91770 59731 52510 35434 61545 81385 45230 50975 42746
58268 71313 99949 08879 22380 72737 83895 13349 45044 95524
98198 000 000

14377/13461/12114 kHz, 26-07, 1130/1150/1210 UTC

317 317 317 1 2693 93 2693 93
13979 47848 41806 22810 53634 08191 94129 22778 49658 16555
87731 61601 08836 28487 71083 71535 22923 07177 28733 44910
15817 03117 41650 40567 65748 21119 45251 31023 93784 66692
74807 47678 56284 28540 41173 45581 79721 42638 14920 16232
17362 96653 23152 80344 49058 48386 50388 83089 27991 78348
23983 38031 53751 97384 01331 69409 24465 09078 68414 04120
79430 04721 60821 53302 36624 25715 44579 01172 16290 49152
33325 94938 38583 64014 45206 64781 88607 90599 35752 80279
36291 77609 44734 01887 56195 97434 23330 02003 54776 71358
19869 12972 37555 000 000

13381/12181/10781 kHz, 26-07/29-07, 2110/2130/2150 UTC

317 317 317 1 847 97 847 97
15414 26080 21949 14164 43483 89753 34763 58123 15511 02567
80122 61746 61756 58253 53325 81497 18492 80374 93249 47958
89060 71987 78814 25463 49845 73135 26917 49614 98583 65832
54758 88412 27445 91172 00659 75505 37643 89546 90724 91375
89034 22036 68887 66164 18872 26511 67960 62752 93483 70170
70926 31206 65002 43133 01680 87621 58118 09366 45682 47175
57698 76383 22416 29424 58436 57691 04296 67827 55081 43229
54124 00461 28669 16951 91847 97863 35610 92923 42147 69234
91331 67032 01200 85596 65852 89378 54710 94897 87070 97270
43098 03191 01233 56140 79295 97024 98569 000 000

7475/8075/9275 kHz, 27-07/30-07, 0030/0050/0110 UTC

402 402 402 1 3628 86 3628 86
47939 90929 23269 18533 41578 11609 31299 27119 12283 68140
16974 53960 32945 39944 64202 83138 80801 34553 95533 20332
16545 75154 16220 01888 42240 44804 91311 58174 82099 96260
52467 61964 98597 05054 62485 22625 25985 81445 16139 29051
70239 70318 60585 23280 43371 78240 75573 45054 02129 33260
29212 20014 02315 94924 36536 00513 23906 51290 05992 31302
83951 23989 94993 43664 99104 40722 63041 65337 50009 50437
96803 02262 13777 49153 59891 48312 87030 62628 25418 11489
84355 23041 65622 66072 82014 45721 000 000

9317/10484/11552 kHz, 27-07, 0530/0550/0610 UTC

135 135 135 1 607 107 6207 107
10244 86178 96960 71585 75730 63086 31993 54745 84888 62754
90934 64902 15686 11209 63814 37840 38880 52376 84327 23106
78884 65529 40765 87070 54854 40697 54721 64477 30053 19643
89705 19833 28761 26656 93037 70609 51563 92316 16071 36300
02863 61987 73716 08800 37133 08656 75252 87904 68741 41849
80104 18163 23821 29950 90878 14011 53490 61952 29129 58260
71376 19683 87621 39503 31882 14004 32479 27256 01865 51256
48354 06725 80442 15089 14608 42677 77238 81376 68670 57173
71378 00383 82834 73389 20679 30441 95484 39906 10922 65091
39190 54431 03809 94463 15793 91436 49307 85075 20787 17554
04851 19690 39399 89782 33554 01813 99207 000 000

10807/10207/9207 kHz, 27-07/29-07, 0700/0720/0740 UTC

822 822 822 1 8480 124 8480 124
91028 86652 01461 22644 69016 35788 53 36 09454 81326 11443
11001 76586 05088 90925 26533 49325 44046 68210 69146 63159
20627 48643 45119 01590 01801 15979 76650 44328 53014 18323
87751 50338 83090 10102 94957 84897 19288 21849 53719 99653
66907 96151 45096 90223 88695 60645 81680 17977 34453 86625
42972 61649 23258 53355 91263 61649 32692 72032 26311 95517
11128 01716 27226 90762 33969 33804 01074 10044 41958 98558
53921 19386 87059 99811 73235 37714 88019 84769 60886 50550
46587 50728 49139 05255 17023 22970 39208 25050 84093 39383
29592 50465 09363 15626 40222 70263 42584 26074 86006 61586
37534 22096 57541 24797 82729 84035 30727 05210 07158 48584
59332 27727 71230 23295 08570 17535 90188 37597 99180 56163
40759 03243 45126 06642 000 000

9338 kHz, 27-07, 1121 UTC, exercise message i.p.

40481 30025 63054 87026 99516 66029 93235 26636 71605 50659
03903 44315 79726 30702 10769 73551 50539 63201 73578 73442
4363_ 95215 19709 74320 98694 85971 38036 23160 01149 85481
30143 66789 36492 29436 32729 86296 20067 37600 66367 46127
91127 12944 93717 25828 42429 69055 25027 09886 08150 29194
87932 66821 11382 43546 37957 61926 77106 45601 30574 94236
93721 18455 47653 49327 86532 21118 18557 30985 61146 64930

90057 28309 96273 61180 30461 75166 82808 08075 56995 08400
42137 86330 67730 78283 71335 61501 81061 51439 44678 79588
26572 39780 70322 46115 63888 34647 66629 26338 53622 31344
08332 87789 83304 04030 83729 26654 11196 82300 48540 29582
90046 70039 11237 71445 71025 98327 31735 00639 72908 36173
05134 70896 97866 03876 65047 51931 36586 79487 91779 94348
97306 54658 51572 21998 09906 58358 18442 53521 23902 86946
74368 07341 61167 77057 96775 70988 88880 65862 79105 12225
16476 17601 08552 73260 18339 05624 47726 24128 98752 94587
79513 23176 60366 20280 32071 30700 59856 52594 93352 84190
82674 59709 15071 62890 95241 98452 89701 33101 54492 33646
66290 39154 64271 27957 31774 50218 61096 27808 31564 11780
53162 48444 26077 53319 58963 16133 33412 20361 42455 61789
78595 74420 86101 92855 50705 24316 08245 57564 85052 71346
42133 71532 20360 000 000

9338/10427/11574 kHz, 27-07, 1155/1215/1235 UTC. Exercise traffic

793 793 793 1 2857 290 2857 290
55366 38299 76261 14071 99949 31210 72617 67727 37253 50810
98084 56962 25082 59195 36898 17304 32110 91762 08095 77438
58956 29003 82928 94973 32465 56940 43918 53647 90634 79705
38604 33291 60698 52743 68503 35028 58887 66974 11621 93749
42369 52561 72916 71812 83091 41283 98633 35282 30256 82463
85510 12345 39631 96572 19999 70433 27655 42432 12738 33946
26632 96623 07912 63177 72241 81506 30960 50336 86192 32502
92279 94123 70559 98307 50809 10227 56586 18161 09099 71593
59437 93188 81957 05698 06696 69811 95292 61206 77383 99528
24612 92561 94078 38920 82620 32857 64628 58173 46597 26600
09219 98408 63985 58882 47296 27757 76857 61529 74086 06641
48775 27247 21921 95318 33595 06426 50333 88004 89046 65877
52558 12825 63981 28592 04360 42028 48651 34742 60858 59134
89956 09853 81530 86478 70075 06784 50780 59180 35213 54450
95456 88196 32008 83734 94565 27930 52275 96221 67217 15225
17001 49704 19881 10259 11528 12394 64789 81161 08280 79305
12633 92829 15767 61992 98648 29610 29342 48459 63969 41503
59475 26240 95616 22333 86496 69953 13675 34580 76040 16806
27275 95409 36708 58863 76525 16995 91981 41915 70487 19954
28169 61014 26559 27894 49606 71654 27343 19285 20873 14995
30019 31101 55461 52128 25941 31964 21701 26159 07169 76168
83702 80605 12559 37459 81528 43344 79386 94673 19197 72576
92669 67427 47258 29699 80627 89640 18575 53680 10408 47505
85688 86390 70926 52503 82887 86633 13591 51697 89773 00242
22576 57709 10069 35000 35634 95157 83200 97725 84695 89189
59138 75237 06131 78959 57851 98675 94261 91813 35445 22377
09594 80629 88477 53512 59715 02399 64905 98312 85624 40769
87151 02434 56623 39417 60394 03560 95690 83385 74976 18391
45593 84210 67724 00624 06569 10522 20555 49761 40288 07626
000 000

12162/11566/10711 kHz, 28-07, 1710/1730/1750 UTC

546 546 546 1 7422 110 7422 110
42269 13028 70280 77916 52421 82383 57043 71301 91301 26194
44272 65684 00696 16662 08942 57159 12087 75444 04617 01701
29752 57704 98366 12059 87092 31171 94902 64451 27859 80935
07732 86263 99840 75409 86710 68428 75417 51278 87678 33029
34362 54791 59120 34430 63479 75933 19478 82574 97305 68989
88059 55249 25641 73593 49443 19687 76412 33827 67522 88298
22998 79087 60776 39806 29109 92086 95207 60957 45941 35448
30020 04457 35898 61334 05181 73890 83578 15713 08167 15566
87355 48307 03337 09182 06876 47831 25337 60968 29710 07482
26349 40464 87086 50822 24592 33029 66024 80611 31343 08945
62489 94405 26100 31913 53002 88600 65997 47435 57764 12907
000 000

9284/8084/7584 kHz, 28-07/31-07, 2210/2230/2250 UTC

295 295 295 1 471 60 471 60
89787 43370 96948 32579 11625 86224 08787 62049 48280 69351
40809 53973 93307 10868 90616 29546 91518 95086 15310 33387
55472 25213 51866 69504 50501 58854 24225 85955 69711 60664
17706 07857 34439 82308 07522 91152 84950 77270 45179 21123
97939 67396 22896 51496 80448 71467 55220 89020 34563 80887
43160 77144 10726 14685 43063 21715 64537 76722 43458 22092
000 000

13386/12189/11491 kHz, 29-07, 1110/1130/1150 UTC

725 725 725 1 8200 94 8200 94
15130 88116 82896 74053 26786 63074 35329 62961 39595 85717
24634 12418 32429 60242 36367 53498 59880 51841 21701 99953
46546 84030 94744 10222 05701 75150 33660 94879 49092 46739
05854 65478 01810 83209 52421 54884 74266 04295 93582 60575
70312 66918 08717 88963 23505 58580 75370 07376 04991 16464
11365 90981 86741 62900 38626 35318 50410 12919 94234 49307
15145 51341 69699 01614 12178 40780 20373 10122 48919 82088
27500 06713 40028 30915 38102 81443 53115 12519 65190 37514
50889 48562 42752 53504 18925 73943 51674 27809 31546 41612
34600 09526 12332 99605 000 000

12162/11566/10711 kHz, 29-07, 1700/1720/1740 UTC

546 546 546 1 7698 109 7698 109
27901 40893 01447 26897 64318 98807 13932 91505 74368 44300
98053 63114 47681 08797 26693 41996 46550 73985 50856 50323
51202 30262 05578 31651 10565 66246 71353 29786 46508 06347
04041 74785 67576 79788 37036 32998 35021 67604 03746 82616
66820 62222 01189 45573 61387 81261 53132 32973 10367 40188
81783 85320 80165 63135 00781 41593 59779 34262 76307 60737
36211 86686 69312 88850 36971 82302 13644 65804 38535 79034
09968 53743 87248 59686 40378 96864 02286 16654 85562 94355
39750 84584 23597 95637 33607 21382 03306 06069 89301 75320
06731 22036 91367 69616 90077 61048 98691 43835 29704 94988
16085 18226 62790 34322 39481 93461 79789 97102 65092 000 000

12162/11566/10711 kHz, 29-07, 1800/1820/1840 UTC

546 546 546 1 8706 104 8706 104
10086 21206 60974 25948 16643 76736 05322 86633 14551 63527
95933 37474 73369 25682 94411 51701 03206 21878 45790 96170
51661 45108 07301 89829 08179 93119 91723 70153 63532 13629
16301 70972 08031 98922 20375 53602 59520 58619 73382 33994
86515 16428 18199 47120 07338 90066 89817 27688 66585 28971
51621 63953 94381 85143 23265 25625 98826 03219 64910 49538
00674 73498 41692 18870 36108 12129 31219 82937 46396 05127
05141 43198 78917 34118 82145 33799 89598 47559 97643 22620
07288 20642 23480 33731 69474 55461 35231 52962 77015 78754
07023 72609 18877 64421 44008 39700 95385 20368 11868 83100
95278 22230 28464 40765 000 000

14377/13461/12114 kHz, 29-07, 2000/2020/2040 UTC

317 317 317 1 385 97 385 97
88577 30133 52032 33216 44508 63718 48394 74115 28679 02208
44620 61498 02151 35368 07755 74217 63180 84105 15411 32337
61713 60428 36953 79382 51953 67141 73040 27973 16758 99708
11096 54402 89643 78172 32424 97114 81118 39166 49430 15821
26764 65922 44347 26108 61411 01477 23696 78000 45312 57287
89504 40402 58217 08486 71853 48590 25427 18129 95319 13137
24452 37327 95705 28584 13101 69592 32326 78632 21403 94655
66273 97170 98422 78002 32975 94585 26462 57432 21769 71174
54770 07677 26041 51348 49831 40007 49064 56262 88392 59850
06638 46457 97060 26319 60217 32774 95729 000 000

16347 kHz, 10-07/25-07, 0930 UTC

14878 kHz, 11-07/26-07, 0930 UTC

617 502 502 148 148 = =

79308 31423 33517 07255 95935 36132 39625 76570 97642 43022
 68268 38479 92021 87173 60056 89295 80030 67657 18057 40375
 20662 49101 26158 99611 33151 09995 44767 84700 09217 97859
 54626 23574 44484 66802 81226 73328 29554 37138 59119 47070
 60987 12473 62822 01869 87206 63146 42236 56108 38924 54527
 03469 49274 69470 36230 29014 03974 48941 06019 27087 45505
 78780 60634 78191 32353 36368 91848 14424 18457 42187 81679
 15106 25731 57254 06231 08979 85720 12210 88175 05323 70563
 61490 14394 91829 67784 53532 68785 16847 09133 10811 65068
 19206 95765 14565 73161 38233 45887 97303 35320 23524 91284
 59929 38144 05199 60763 79019 05392 35893 06287 89081 70443
 33793 54102 85867 72575 60610 16524 63150 28089 07774 49883
 09852 57288 57553 72243 44502 41779 63110 16649 50333 10924
 09382 66056 29990 34151 66437 04973 86393 70576 52743 16018
 89272 83003 44295 73258 91815 58733 30401 88484
 = = 502 502 148 48 00000

PACIFIC REPORT

12211 kHz, 01-07, 0500 UTC. Hiccups during the callup

10243 kHz, 01-07, 0520 UTC

952 168 168 52 52 = =

19884 07737 00684 54551 98208 56256 11259 64794 23641 91535
 13303 28555 36635 59768 32398 21782 32036 85737 20258 17069
 18005 11205 65455 31088 21924 68175 78478 43604 54209 41708
 24539 55253 65968 01964 02565 76283 61445 10185 93833 63438
 51191 28277 28658 47174 56890 86704 44590 16390 03785 90367
 34555 52877
 = = 168 168 52 52 00000

12211/10243 kHz, 02-07, 0500/0520 UTC

952 703 703 51 51 = =

99254 12061 86764 17883 07594 82341 89994 37612 46293 86941
 22713 20779 14987 69609 06562 65123 25007 75167 81447 24157
 88809 65374 28605 41238 84098 08327 61339 22028 09858 27326
 13131 93759 76448 20163 77785 24765 96994 84742 81334 02693
 72205 12003 90350 94849 85861 32045 86378 39116 53120 24437
 61171 = =
 703 703 51 51 00000

12211 kHz, 05-07, 0500 UTC. Problems

10243 kHz, 05-07, 0520 UTC. Normal transmission

952 146 146 54 54 = =

50540 37544 23529 68750 98708 29607 23828 89616 97071 cut off numbers in the last 2 groups.

Stopped with technical problems after 5 minutes. Restart at 0507 UTC

551 34

952 146 146 54 54 = =

50540 37544 23529 68750 98708 29607 23828 89616 97071 77423
 72114 23062 54339 63871 54430 32567 29298 64798 34551 34747
 68673 07068 87994 88116 44697 25153 28695 45230 09568 02189
 58043 16639 08995 06441 90984 20109 22010 59126 38846 13520
 19242 94510 53594 34901 56826 98231 63204 98028 48156 34787
 52830 17033 80646 00113
 = = 146 146 54 54 00000

12211 kHz, 06-07, 0500 UTC. Transmitter sounds between 0501 and 0502z. Nothing else
10243 kHz, 06-07, 0520 UTC. Dirty signal. Unreadable. Off at 0521z. Carrier at 0527. M14 at 0530z with a low signal. Off at 0533z and back with a somewhat stronger signal. Off at 0539z. Only id 952 was sent. Short carrier at 0543z

12211/10243 kHz, 07-07, 0500/0520 UTC

952 471 471 56 56 = =
72009 21527 82576 89459 28539 04814 03296 69829 41117 65633
68410 07437 74006 67668 83236 38316 29613 39163 45019 53837
65551 36963 56902 89376 31715 50665 42452 15418 19573 07789
65201 54545 40841 35939 83264 72740 77748 82858 93345 18440
72069 30344 44050 07788 45113 62937 23106 79503 65853 77347
48207 67833 09399 43523 16153 66992
= = 471 471 56 56 00000

12211/10243 kHz, 08-07, 0500/0520 UTC

952 680 680 61 61 = =
75867 06199 09402 48605 12821 61245 96864 51250 73696 08861
76046 77187 76093 97181 63289 61430 36549 91286 70977 75824
38985 09202 56304 16672 91540 99797 79522 39705 20218 04776
82600 97118 72778 71911 24222 56335 31340 11767 32080 05206
57095 15045 58383 73309 15597 72767 49533 24066 56050 66484
65887 97332 43045 20681 12569 07175 64166 34587 67241 24500
61923
= = 680 680 61 61 00000

12211/10243 kHz, 09-07, 0500/0520 UTC

952 371 371 52 52 = =
45148 67974 22871 77578 59179 67302 32452 25633 77456 34942
83073 96619 00590 85639 81938 68905 07201 21468 59215 67336
66518 88538 20331 68432 83092 94347 01479 21697 22085 27966
39294 41721 88562 50239 90620 50783 75223 46201 63313 76621
90011 56877 44022 35064 48044 32673 33871 52224 41294 75532
27998 05916
= = 371 371 52 52 00000

12211/10243 kHz, 12-07, 0500/0520 UTC

952 846 846 55 55 = =
58044 78577 61644 50981 52659 85949 51541 73370 67703 69528
75564 45903 01338 36978 31383 27678 87817 03407 88650 15540
99274 18995 20905 62345 30790 13134 19996 27828 48464 53497
85212 87992 05151 43500 04305 09989 53568 06569 68594 96392
11450 30663 89355 35832 58440 71496 07604 20905 69410 37882
14668 19312 13896 07640 25400
= = 846 846 55 55 00000

12211 kHz, 13-07, 0500 UTC. Late start. Carrier till 0504z.

10243 kHz, 13-07, 0520 UTC

952 310 310 54 54 = =
72392 61911 27907 13398 60922 36407 15765 10336 37659 99386
22353 77806 28033 18213 60537 35389 81184 69811 46078 92522
72496 47087 98450 96368 61692 43169 30835 25493 79942 80676
65192 09014 44405 78194 33385 75945 23654 71138 50264 64388
02414 29209 69671 45284 19059 37605 59286 40401 74295 34208
55256 39245 34474 19894
= = 310 310 54 54 00000

12211/10243 kHz, 14-07, 0500/0520 UTC

952 437 437 52 52 = =
17125 99248 71965 90472 04944 48401 53474 04003 38737 29256
22939 06097 67102 80764 29978 94140 98422 27152 82213 13741
73206 08330 41090 56569 47059 63530 83808 88778 26493 79109
86055 83413 24761 36432 05231 55272 29886 20810 68838 21639
02096 77399 97749 37338 42833 25013 19017 77541 02541 63782
47919 66763
= = 437 437 52 52 00000

12211/10243 kHz, 15-07, 0500/0520 UTC

952 681 681 57 57 = =
99668 87822 92162 93467 31747 75467 48598 76382 98325 10106
39013 57033 56883 41406 98141 16112 20902 61956 89784 51885
53080 17052 74472 12294 94568 94652 78016 31450 16188 25207
09374 12708 02555 46025 01264 25506 05051 09894 71985 08179
24582 42609 31847 93889 10061 79132 82677 01919 83541 33038
83836 61456 27964 78959 83162 60108 98423
= = 681 681 57 57 00000

12211/10243 kHz, 16-07, 0500/0520 UTC

952 737 737 65 65 = =
50855 53392 61495 38976 35657 12637 26386 69170 27342 34679
54957 05312 81793 12283 52813 59279 52717 60535 03160 61053
34725 51009 31431 50559 66286 45262 66479 52417 47224 01078
65551 69532 50452 49898 95214 56488 32641 68891 85422 58642
73488 96080 98924 27896 98301 61979 83185 51059 63560 36167
97013 51745 10157 12244 29089 51741 14002 79600 50565 02793
88679 55448 68949 24731 19840
= = 737 737 65 65 00000

12211/10243 kHz, 19-07, 0500/0520 UTC

952 608 608 56 56 = =
99591 05480 74996 26990 54133 76450 99570 90559 35927 07396
75400 31372 29082 22443 16065 57049 45317 23243 20031 85974
81801 96876 03923 82394 40403 30884 71435 69741 38062 83866
60082 33117 62960 85089 32963 46874 56181 61526 07732 88239
23543 15783 39973 22892 07300 03337 03146 73473 72386 82532
32302 06930 86906 35765 23771 01646
= = 608 608 56 56 00000

12211/10243 kHz, 20-07, 0500/0520 UTC

952 314 314 56 56 = =
87015 13152 69529 97603 82405 21058 75082 11644 64746 97275
97771 28305 40195 15625 96903 70168 26914 68165 14005 25992
49330 55232 16734 39032 23506 31031 20634 84528 88305 78244
55891 72283 62058 10078 71315 35283 29393 23179 92704 90282
87932 49882 77793 81310 09546 83199 34978 42011 95834 73005
97985 37781 32544 16854 73700 73622
= = 314 314 56 56 00000

12211/10243 kHz, 21-07, 0500/0520 UTC

952 768 768 52 52 = =
94527 07366 39916 51326 10958 43542 11149 60303 25297 89349
45006 25083 83591 37491 92385 12040 52173 66863 58975 80649
58569 40865 65554 28720 36422 25726 08382 38112 72842 21042
80629 25638 81647 19707 40783 28818 50916 39423 38956 81198
38289 92986 37045 56897 12471 89521 83681 89076 64357 83868
29894 92038
= = 768 768 52 52 00000

12211/10243 kHz, 22-07, 0500/0520 UTC

952 103 103 54 54 = =
42542 06429 51808 51812 59295 68606 72635 95008 17363 03282
37112 20066 91866 01065 48364 67983 89619 80187 93323 27295
97711 73141 94672 87561 19681 51302 52734 42560 60226 92240
00738 60369 44388 19382 21905 62542 82146 68729 01786 79538
14358 62313 14290 74625 00983 93081 64839 53415 37536 50884
39100 01236 10694 44279
= = 103 103 54 54 00000

12211 kHz, 23-07, 0500 UTC

10243 kHz, 22-07, 0520 UTC. Idle carrier until 0531z, then off. No M14

952 746 746 52 52 = =
44197 37492 22789 68722 47207 66667 38810 97096 18221 06413
55750 46995 64302 72789 32610 81851 19782 98255 10753 78865
97585 57096 84820 02338 49661 36267 00703 12257 03664 87586
60240 06579 68096 22213 37362 20635 23110 33341 35322 32106
39114 58061 39752 45002 90425 14322 47191 51078 56116 73912
73798 92136
= = 746 746 52 52 00000

12211 kHz, 26-07, 0500 UTC. Carrier followed by one minute reverse morse, then into the regular callup. No 00000 at the end
10243 kHz, 26-07, 0520 UTC

952 808 808 59 59 = =
51357 42921 98492 17103 98808 00038 41871 15458 60288 67970
44270 41423 61425 37538 48139 24015 06165 97873 20196 79620
65381 22757 04356 70365 37473 18316 73968 59063 91856 83271
56811 27937 31319 64929 31274 53293 34146 13488 17177 53345
61981 65067 09649 51362 44339 08037 29509 21348 75718 12326
88597 08416 86251 26422 93479 41063 71823 71719 35964
= = 808 808 59 59 00000

12211/10243 kHz, 27-07, 0500/0520 UTC

952 413 413 68 68 = =
66647 08573 29411 68183 52667 41681 12238 79982 56139 62198
34415 07862 75702 36926 72986 27241 14506 86858 34170 50447
15310 06442 68398 95628 73812 73944 40914 33502 41132 07627
31371 79119 51388 47400 60886 20840 35320 66662 69953 03699
05875 43993 95692 09359 26710 49407 21838 99827 99535 24837
99925 17134 31252 63547 65106 56150 66804 18164 95027 52746
98694 91995 85217 54458 89096 93352 39410 65873
= = 413 413 68 68 00000

12211/10243 kHz, 28-07, 0500/0520 UTC

952 678 678 51 51 = =
06769 73040 47941 76338 93559 09769 35996 91308 05084 66688
96680 73119 95820 77500 80023 54499 17361 14974 98964 20638
73086 58103 33898 75622 69043 40220 41984 32781 84443 95252
57201 58646 10235 44318 92039 25224 29170 89829 76808 50242
35823 09318 97467 30081 19978 66137 17938 95063 61841 79264
97820
= = 678 678 51 51 00000

12211/10243 kHz, 29-07, 0500/0520 UTC

952 303 303 62 62 = =
73334 63611 54657 04909 39774 99755 90944 43347 12993 50958
72409 77454 15003 06169 13217 00098 95367 14347 38902 17640
54337 93902 02333 73494 79363 09035 34141 44042 43439 55146
38568 61598 38683 20536 70656 44118 43616 16542 55722 36329
47575 93330 37059 91975 80680 83522 62793 51863 22821 40827
47844 97396 90069 65896 71912 84284 21983 36568 99447 86114
18216 84685
= = 303 303 62 62 00000

12211/10243 kHz, 30-07, 0500/0520 UTC

952 147 147 52 52 = =
76174 75864 42769 37677 29591 78306 03969 49455 21586 24802
74023 12513 25305 08099 26803 21856 19070 11286 10150 53685
43821 13744 69385 51570 78230 85477 12707 22694 61186 18260
60671 53010 16318 67030 46944 80748 58266 99991 62508 85699
85379 80825 60515 82330 88515 31481 63971 26952 30655 48968
43439 74991
= = 147 147 52 52 00000

M51a / M51b

M51b: 3881//6825 kHz, 21-07, 0920 UTC

Non-stop 5-character groups composed of M51a messages

Spaces between the messages were entered afterwards

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 DNKXD WNQJZ AJNBC MAJFG
XYZUJ 37828 DJNXJ QKAIU CNXJD WJNDG SHZKL QMPAL

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

GVXHS WNQHA IKDLS MWPZY DGSHA NWJDU DGRUJ WKLSP NJWKE UJSHZ
OKHJD BXHRT 36271 IUJFG CBSJZ WHNSL KOLWM AUJDG XBCFV WHNSK
OLMQH AYHDG XVCFD BWJZU XIDKC XKJDU HNDIC VPMRY 65378 KLSGQ
WNBDS XVCUR CIKDL PMSVR XVCHF YHFKS ZUYHS 56372 BWVDY IKDHY
XBCJS GBWJZ UJWKL JKDBV YHCIR YHXVF GBFYR DFSCZ UJVFC FVCHD
FKSLR WCXFF HNFLA PHFCT WVXHZ QJHAU 67354 BXHDY WBXHZ GFCUJ
SHRTF CJGUH 10964 GBCHS WBXUY TGDJZ 652/3 BXHSJ WKAPL PMDHV
BXGRT DFXCS JNCGV YHXJZ JWKAU KLWUY HNCRD XVCHZ YHWJZ PLGCV
TGXLA PMWJD WFGRT CJSIZ WNXGD YHDGV 64829 IKFHC BXHDL VHDUJ
VCXGR YHSPA PKLDU LWJDY GHFUC VXYRT DGSHZ LKFHT KHDYT XVDJK

M89 - Chinese Military

6333 kHz, 03-07, 1208 UTC, i.p.

/EX TIME 2012 = F2W8/P4R7 AR

FFF NR 2741/EX TIME 2012 = F2W8/P4R7 AR

FFF NR 2741/EX TIME 2012 = F2W8/P4R7 AR

QSY LW QSY LW QSY LW VVV

7653 kHz, 03-07, 1201 UTC, i.p.

NR 1636/EX 2000 = H2N1/B4L5 AR

NR 1636/EX 2000 = H2N1/B4L5 AR QSY 80 QSY 80 VVV

4531 kHz, 12-07, 1208 UTC, i.p.

6V6N

FFF NR 212 EEEE NR 2152/EX 2018 =

TJK5/M4S7 AR

NR 2152/EX 2018 = TJK5/M4S7 AR

NR 2152/EX 2018 = TJK5/M4S7 AR

QSY 6 QSY 6 VVV

5123 kHz, 12-07, 1312 UTC, i.p.

05 0 F/72Z2 9

0 = = 373.74../800 I= N

VVV 2SJA DE DLP2 VVV

N7 0

VVV N8XE DE DLP2 QSA ? K

OK

9123 kHz, 15-07, 1053 UTC, i.p.

RMKS 45.59.0 TO 454.969 =

S2GST/FGJ. AR K

R U 7G GA K

R GA K

QSL ..00 K

7G NR 3202 CK 91 2107 1518 RMKS 4546960 TO 45.6969 =

.U4 5T67 .7AD N4D3 ...

3967 kHz, 19-07, 1204 UTC, i.p.

K6QG

FF NR 1379/EX 2003 =

S7W3/N3U7 AR

F NR 1379/EX 2003 =

S7W3/N3U7 AR

F NR 1379/EX 2003 =

S7W3/N3U7 AR QSY 03 QSY 03 VVV

6312 kHz, 19-07, 1215 UTC, i.p.

15 =

../T3SB AR

F NR 1752/EX 2015 =

D..1/T3SB AR

F NR 1752/EX 2015 =

D5S1/T3SB AR QSY 21 QSY 21 VVV

7160 kHz, 19-07, 1220 UTC, i.p.

= ABM./D3F4 AR

NR .069/EX 2018 =

A63./D3F4 AR

NR 1069/EX 2018 =

A6W6/D3F4 AR QSY 06 QSY 06 VVV

7621 kHz, 19-07, 1144 UTC, i.p.

57TU D654 T7NA 7T6T NAT4 A7TU A356

FF NR 317/EX 1944 =

OSY0/9BDB/53JP AR

(Broke in the middle of a msg to send an Exercise msg and then resumed his message)

= A4U5 673N D.46 3T5N TU34 765D ...

M95 (V26, Q26) Chinese Military

8073 kHz, 03-07, 1133 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85 sending messages

8073 kHz, 03-07, 1137 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR 7G GA PSE CY

NR 0478 CK 200 35 0703 1556 =

TT3 3U6 3AN 3U7 TAU 773 TA7 773 TAD 773

TAN 773 TUA 773 TUU 773 TU3 773 TU4 773

755 356 4TD ...

4243//9054 kHz, 03-07, 1142 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 03-07, 1151 UTC, M95: CW

V HR MSG TO YR PSE CY

NR .. CK 203 35 07 03 1551 =

UTU TT3 3U6 3A4 ...

4364//8073 kHz, 12-07, 1130 UTC. V26: USB. XSV85 callup in Chinese voice

4364//8073 kHz, 12-07, 1131 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: messages

4364//8073 kHz, 12-07, 1137 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0515 CK 220 35 0712 1544 =

TAU 3U6 3AN 3U7 TAU 773 356 4AA NN3 434 ...

4243//9054 kHz, 12-07, 1140 UTC, Q26: 4+4 QPSK 75/3000 LSB. Chinese voice and Q26 mixing

4243//9054 kHz, 12-07, 1140 UTC, V26: USB. Chinese voice and Q26 mixing

4243//9054 kHz, 12-07, 1142 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 12-07, 1152 UTC, M95: CW

VV HR 7G TO YR PSE CY

NR 02 CK 39 49 0712 1500 =

UA6 U46 N65 N45 D36 T4D DA5 335 D3U 7U3

N43 3TU 3D6 D7A 333 73U NA3 5T6 7DT 333

7AU 3N6 NN3 3NU 3D6 57T 333 7DU NA3 5T6

DDT 333 74U 3N6 NN3 T5A T4A 3AD N73 AR 7G AGN

NR 02 CK 39 49 0712 1500 = (Repeats message)

AR A HR 7G GA

NR 24 CK 167 35 0712 1540 =

UTU TAU 3U6 3A4 TTU 773 354 N35 374 4T7 ...

4243//9054 kHz, 12-07, 1224 UTC, M95: CW. i.p.

4243//9054 kHz, 12-07, 1233 UTC, V26: USB. Repeat of M95 in Chinese voice. Female operator

AR A HR 7G GA

NR 040 CK 70 35 0712 1801 =

5AA UTT TAU 3U6 3A4 5T7 5TD 75U 353 N3D ...

AR 7G AGN

NR 040 CK 70 35 0712 1801 = (Repeats message)

AR A HR UP SB A HR UP SB WK

4243//9054 kHz, 17-07, 1149 UTC, i.p.

AR A HR 7G GA

NR 34 CK 076 35 0717 1555 =

TUU TA7 3U6 3A4 TTU N44 TT3 N44 TT5 N44 ...

AR A HR 7G GA

NR 081 CK 22 35 0717 1614 =

UT5 TA7 3U6 3A4 TTA TTU TT3 773 353 36U

4T7 445 TTA 773 336 446 4D4 3DA TTA 773

336 3DU AR A HR UP SB WK

4364//8073 kHz, 17-07, 1132 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: messages

4364//8073 kHz, 17-07, 1142 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)

HR MSG GA PSE CY

NR 0526 CK 36 35 0717 1656 =

TT7 N5U TA7 N53 TAD N54 7TT TTU 746 4AA

77T 6T6 D6N 4AA 77T NAU 74D 334 N3U 777

TUN N34 D73 773 7AU DNT 773 7AN 7AD N47

T7U DAA 773 35T 747 7U5 AR AHR MSG GA

NR 0527 CK 283 35 0717 1701 =

TA7 3U6 3AN ...

5600 kHz, 17-07, 1249 UTC, i.p.

WBPY DE XK9I QSA ? K
R SGQ3 DE ZKNI QSA 3
R QSA 3 IEC = 1235 AR K
R RPT K
R QSA 3 IEC = 1234 AR K
R IEC BT 3464 AR K
R HR WK NR 232 K
R HR WK NR 232 K
R HR 7G GA K
R GA K
R NR 315/CCK CK 141 24 0717 2100 RMKS 1184 TO 3390 K
R RPT TIME K
R RPT TIME 2100 K
R GA K
R BT N46U DT7A 3546 UTD7 NA53 76DN TA4U 3546 7DAN TU53 T6D7 NAU5 ...

5479//10722 kHz, 21-07, 1028 UTC

RMKS 9673 TO 9967 =
CL/1900/Z=/9673/9967 AR AGN
NR 1041830 RMKS 9673 TO 9967 =
CL/1900/Z=/9673/9967 AR QSL ? HR WK NR 240
V YHxD DE SAQC

9054 kHz, 22-07, 1158 UTC, Q26: 4+4 QPSK 75/3000 LSB. Messages

9054 kHz, 22-07, 1158 UTC, M95: CW

9054 kHz, 22-08, 1208 UTC, V26: USB. Repeat of M95 messages in Chinese voice

AR 7G AGN
NR 44 CK 112 35 0722 1518 =
UTU TU. 3U6 3A4 TTU 773 353 U4T 354 4T7 445 ...
AR A HR 7G GA
NR 096 CK 17 35 0722 1607 =
UT5 TUU 3U6 3A4 TTA TTU TT3 773 735 3U4
T35 4A7 445 4D6 33D 4D3 3DA AR 7G AGN GA
NR 096 CK 17 0722 1607 = (Repeats message)
AR A HR UP SB WK (Switched to voice –V26)

8073 kHz, 22-07, 1143 UTC, Q26: 4+4 QPSK 75/3000 LSB. XSV85: messages

8073 kHz, 22-07, 1146 UTC, M95: CW

V BNGC (x3) DE XSV85 (x2)
HR 7GS GA PSE CY
NR 0563 CK 35 35 0722 1529 =
TT7 N53 TUU N53 TAD N54 7TT TAU 746 4AA
77T DN3 D6N 4AA 77T NAU 777 TU6 773 TU7
773 TUN N34 T33 773 7AU 7AN 7AD N47 T7U
DAA 773 35T 747 7U4 AR A HR 7G GA
NR 0564 CK 44 35 0722 1530 =
TT7 N5U TUU N53 TAD N54 7TT TA. 736 TA
T7 6TU 6A TT4 6A4 UUD 6A5 TD4 6A6 TTT
6A7 TA5 74D 6UU TT4 N34 TT5 635 4AD DAU
U56 N35 DA5 TU4 DAA D5D NU7 DD3 6A4
UAT TA5 T. D6A7 TA3 AR AR A HR 7G GA
NR 0565 CKK 353 35 0722 1627 =
TUU 3U6 3AN 3U7 TAU 773 353 373 4UT NN3 453 ...

Note: It should be noted that normally, only one message is sent. Occasionally, a second message is sent.
It's extremely rare for 3 messages to be sent.

UM03 - Chinese X2M net

5525 kHz, 12-07, 1209 UTC, i.p.

NR 00277 NR 00277 100 100 =

. ... QDGFU .HQDV

5599 kHz, 12-07, 1212 UTC, i.p.

733D4 5UT44 N5T64 5ANNU 7NU56 5U64D ...

5300 kHz, 19-07, 1209 UTC, i.p.

D7ATU D7ATU A564T DNA37 T54U6 DNAUD D7AU6 ...

5510 kHz, 19-07, 1209 UTC, i.p.

AA6T5 DNA43 TUD6U UN3U. ... AR 17W NA7T3 AR SK T

DIGITAL MODES

HM01 - Dirección General de Inteligencia

11435 kHz, 01-07, 1638 UTC, i.p. very noisy transmitter

11530 kHz, 01-07, 1658 UTC

Groups: 33188 87547 13182 35224 56144 28007

Files. Not all files could be decoded because of the noisy transmitter and very poor conditions

10323318.TXT 77258754.TXT 47133522.TXT

11435 kHz, 02-07, 1600 UTC. Late start

11530 kHz, 02-07, 1708 UTC, i.p.

Groups: 33189 87548 13183 35225 56145 28008

Files: 10323318.TXT 77258754.TXT 36221318.F1G 47133522.TXT 45535614.TXT 58082800.TXT

11435 kHz, 03-07, 1610 UTC

Groups: 44721 87549 13184 35226 56146 28009

Files: 30144472.TXT 77258754.TXT 36221318.F1G 47133522.TXT 45535614.TXT 58082800.TXT

11435 kHz, 04-07, 1600 UTC

Groups: 44721 57721 13185 35227 56147 64131

Files: 30144472.TXT 44775772.TXT 36221318.F1G 47133522.TXT 45535614.TXT 76546413.TXT

11435 kHz, 05-07, 1557 UTC

Groups: 44722 57721 13186 35228 15411 64131

Files: 30144472.TXT 44775772.TXT 36221318.F1G 47133522.TXT 06311541.TXT 76546413.TXT

11435 kHz, 06-07, 1606 UTC, i.p.

11530 kHz, 06-07, 1727 UTC

17480 kHz, 06-07, 2147 UTC

Groups: 44723 57722 13187 11851 15411 64132

Files: 30144472.TXT 44775772.TXT 36221318.F1G 43701185.TXT 06311541.TXT 76546413.TXT

11435 kHz, 07-07, 1600 UTC, i.p.

Groups: 44724 57723 17531 11851 15412 64133

Files: 30144472.TXT 44775772.TXT 78741753.TXT 43701185.TXT 06311541.TXT 76546413.TXT

11435 kHz, 08-07, 1557 UTC

Groups: 44725 57724 17531 11852 15413 64134

Files: 30144472.TXT 44775772.TXT 78741753.TXT 43701185.TXT 06311541.TXT 76546413.TXT

11435 kHz, 09-07, 1556 UTC

Groups: 44726 57725 17532 11853 15414 64135

Files: 30144472.TXT 44775772.TXT 78741753.TXT 43701185.TXT 06311541.TXT 76546413.TXT

11435 kHz, 10-07, 1601 UTC. Started in mid message.

Groups: [44727](#) [57726](#) [17533](#) [11854](#) [15415](#) [64136](#)

Files: [30144472.TXT](#) [44775772.TXT](#) [78741753.TXT](#) [43701185.TXT](#) [06311541.TXT](#) [76546413.TXT](#)

11435 kHz, 11-07, 1556 UTC

Groups: [44728](#) [57727](#) [17534](#) [11855](#) [15416](#) [64137](#)

Files: [30144472.TXT](#) [44775772.TXT](#) [78741753.TXT](#) [43701185.TXT](#) [06311541.TXT](#) [76546413.TXT](#)

11435 kHz, 12-07, 1558 UTC. No transmission

11435 kHz, 12-07, 1628 UTC. No transmission

11530 kHz, 12-07, 1658 UTC. No transmission

11530 kHz, 12-07, 1728 UTC. No transmission

11635 kHz, 12-07, 1800 UTC

11635 kHz, 12-07, 2101 UTC. Started in mid message. Off in mid message at 2107 UTC. Back at 2130 UTC with dropouts

Groups: [64131](#) [57728](#) [17535](#) [11856](#) [15417](#) [27271](#)

Files: [78756413.TXT](#) [44775772.TXT](#) [78741753.TXT](#) [43701185.TXT](#) [06311541.TXT](#) [50542727.F1C](#)

Note: strange that the 1st new group [64131](#) is the same as the one that was replaced with [27271](#) today

11435 kHz, 13-07, 1600 UTC

11530 kHz, 13-07, 1708 UTC, i.p.

11530 kHz, 13-07, 1724 UTC

Groups: [64131](#) [88481](#) [17536](#) [11857](#) [15418](#) [27271](#)

Files: [78756413.TXT](#) [08828848.TXT](#) [78741753.TXT](#) [43701185.TXT](#) [06311541.TXT](#) [50542727.F1C](#)

11435 kHz, 14-07, 1558 UTC

11435 kHz, 14-07, 1626 UTC

Groups: [64132](#) [88481](#) [17537](#) [11858](#) [05221](#) [27272](#)

Files: [78756413.TXT](#) [08828848.TXT](#) [78741753.TXT](#) [43701185.TXT](#) [82480522.TXT](#) [50542727.F1C](#)

11435 kHz, 15-07, 1558 UTC

11530 kHz, 15-07, 1657 UTC

Groups: [64133](#) [88482](#) [17538](#) [64311](#) [05221](#) [27273](#)

Files: [78756413.TXT](#) [08828848.TXT](#) [78741753.TXT](#) [12406431.TXT](#) [82480522.TXT](#) [50542727.F1C](#)

11435 kHz, 16-07, 1558 UTC

Groups: [64134](#) [88483](#) [23561](#) [64311](#) [05222](#) [27274](#)

Files: [12406431.TXT](#) [08828848.TXT](#) [62342356.TXT](#) [78756413.TXT](#) [82480522.TXT](#) [50542727.F1C](#)

11435 kHz, 17-07, 1557 UTC

11435 kHz, 17-07, 1631 UTC, i.p.

11530 kHz, 17-07, 1656 UTC

11530 kHz, 17-07, 1726 UTC

Groups: [64135](#) [88484](#) [23561](#) [64312](#) [05223](#) [27275](#)

Files: [78756413.TXT](#) [08828848.TXT](#) [62342356.TXT](#) [12406431.TXT](#) [82480522.TXT](#) [50542727.F1C](#)

11435 kHz, 18-07, 1557 UTC

Groups: [64136](#) [88485](#) [23562](#) [64313](#) [05224](#) [27276](#)

Files: [78756413.TXT](#) [08828848.TXT](#) [62342356.TXT](#) [12406431.TXT](#) [82480522.TXT](#) [50542727.F1C](#)

11435 kHz, 19-07, 1600 UTC, i.p.

11435 kHz, 19-07, 1626 UTC

Groups: [64137](#) [88486](#) [23563](#) [64314](#) [05225](#) [27277](#)

Files: [78756413.TXT](#) [08828848.TXT](#) [62342356.TXT](#) [12406431.TXT](#) [82480522.TXT](#) [50542727.F1C](#)

11435 kHz, 20-07, 1557 UTC

16180 kHz, 20-07, 2059 UTC

Groups: [64138](#) [88487](#) [23564](#) [64315](#) [05226](#) [83781](#)

Files: [00888378.TXT](#) [08828848.TXT](#) [62342356.TXT](#) [12406431.TXT](#) [82480522.TXT](#) [00888378.TXT](#)

11435 kHz, 21-07, 1608 UTC. Late start

11435 kHz, 21-07, 1626 UTC

11635 kHz, 21-07, 1800 UTC

Groups: [64139](#) [82021](#) [23565](#) [64316](#) [05227](#) [83781](#)

Files: 78756413.TXT 03088202.TXT 62342356.TXT 12406431.TXT 82480522.TXT 00888378.TXT

11435 kHz, 22-07, 1606 UTC, i.p.

11435 kHz, 22-07, 1626 UTC

16180 kHz, 22-07, 2056 UTC

Groups: 14421 82021 23566 64317 05228 83782

Files: 36511442.F1G 03088202.TXT 62342356.TXT 12406431.TXT 82480522.TXT 00888378.TXT

11435 kHz, 23-07, 1557 UTC, i.p.

Groups: 14421 82022 23567 43551 05229 83783

DIGTRX stopped working on my PC's so I can no longer decode the files

11530 kHz, 24-07, 1704 UTC

16180 kHz, 24-07, 2103 UTC, i.p.

17480 kHz, 24-07, 2146 UTC. Very early start

Groups: 14422 82023 12811 43551 63801 83784

11435 kHz, 25-07, 1644 UTC, i.p.

Groups: 14423 82024 12811 43552 63801 83785

11435 kHz, 26-07, 1556 UTC

11530 kHz, 26-07, 1657 UTC

Groups: 14424 82025 12812 43553 63802 83786

11435 kHz, 27-07, 1558 UTC

11435 kHz, 27-07, 1627 UTC

Groups: 14425 82026 12813 43554 63803 83787

11435 kHz, 28-07, 1558 UTC

11435 kHz, 28-07, 1637 UTC

11635 kHz, 28-07, 2100 UTC

Groups: 14426 82067 12814 43555 63894 83788

11435 kHz, 29-07, 1556 UTC

11435 kHz, 29-07, 1633 UTC, i.p.

11435 kHz, 30-07, 1609 UTC. Late start. Started in mid message. Repeat of 29 July

11530 kHz, 30-07, 1700 UTC. Repeat of 29 July

11435 kHz, 31-07, 1600 UTC. Repeat of 29 July

11435 kHz, 31-07, 1626 UTC. Repeat of 29 July

16180 kHz, 31-07, 2056 UTC. Repeat of 29 July

17480 kHz, 31-07, 2159 UTC, i.p. Repeat of 29 July

Groups: 14427 82028 12815 43556 63805 81641

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

M42 – various modes

12158 kHz, 08-07, 0930 UTC, MFK-66

12165 kHz, 13-07, 1200 UTC, 5xMFSK-16/250Bd-BPSK

13952 kHz, 17-07, 1507 UTC, 5xMFSK-16/250Bd-BPSK

12120 kHz, 19-07, 0704 UTC, MFSK-66

12165 kHz, 31-07, 1300 UTC, 5xMFSK-16/250Bd-BPSK

F01 – FSK 200/500

14829/12214/10932 kHz, 07-07, 1840/1850/1900 UTC

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

11141/9192/7363 kHz, 01-07, 1015/1025/1035 UTC

73825 08893 53522 78146 08675 23467 58797 20351 67890 05719
 27001 76453 75659 40134 73307 61059 73740 54130 02940 15995
 24751 03255 80923 77778 43293 95546 97624 24101 22091 90993
 09789 97743 45342 37022 61747 31379 06458 25960 16493 21683
 72391 85418 51303 26205 61730 37505 97599 81432 28746 87839
 29740 65470 70595 30279 32417 53807 99842 78310 01358 41567
 49512 59037 57021 30714 02840 30703 75954 05634 64922 09691
 69531 45524 18450 17922 64725 47050 30707 86617 66633 55684
 04029 77329 07414 29175 86904 94085 00000 00000 00000 00000

19266 47527 00105 34433 63582 23454 51384 48571 20532 27289
 04944 83116 01130 40242 72572 00706 11996 37584 16439 16262
 23128 21234 80775 99158 97484 61422 68969 02439 55820 14639
 02003 98769 75217 10017 19184 27824 44743 21382 07091 84778
 26673 67118 67683 04604 96719 05066 61511 21852 61703 14609
 86950 10617 78098 83179 81425 34354 19903 39327 55528 60257
 69249 99563 95991 17870 28225 21165 98449 06623 75303 78116
 15914 81983 14853 02394 33918 74910 93145 57757 08252 24293
 79310 38259 26237 27066 34659 08639 77472 35691 18835 28809
 44989 57685 06214 29603 52757 36888 10991 31984 30468 21158
 47409 95101 00000 +++++ +++++

11141/9192/7363 kHz, 02-07, 1015/1025/1035 UTC

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

11141/9192/7363 kHz, 05-07, 1015/1025/1035 UTC

33664 08544 66704 06784 31038 83926 93101 20874 85359 41583
 45116 67070 84362 63708 26363 01704 75983 96412 74499 23584
 81885 61069 36709 45161 22010 20842 21060 43081 36106 32063
 72182 30323 13165 35175 44705 17106 64706 64903 72872 52753
 02850 84354 59797 65700 09105 72734 34781 43836 04826 21359
 52136 22364 59260 17660 29945 71365 96139 21858 52207 00266
 84729 66010 82796 21376 26306 30102 64673 39705 71966 74873
 02787 61232 32736 36079 54112 36821 67885 09860 73247 83965
 62418 83907 87015 53557 29655 94130 96511 33857 99845 11485
 30025 08867 80762 88671 95279 13276 01199 21389 04428 51180
 73314 03816 70236 70762 34772 83026 96898 12111 56589 42015
 13919 70369 27656 66026 26491 41417 51845 71866 80831 42242
 18665 04896 67879 23217 33375 33384 13818 14457 17520 94911
 30852 73442 15808 74520 26673 26107 70273 19274 96053 18558
 47666 18946 43012 21640 30995 07500 06976 55513 11172 65065
 91388 26440 39694 25078 18200 92961 28295 16296 56661 03667
 06506 94359 99890 73717 73066 42590 87611 92341 02120 46714
 98536 78465 90127 73206 60808 26680 54453 05923 53944 10726
 19535 20735 00729 36683 51592 02829 72477 63061 27816 36372
 56122 29967 50958 21235 56550 64540 45275 96440 32630 54854
 94749 75053 90372 09449 09547 20166 81651 44707 31615 16703
 81937 67246 15399 18699 45461 43515 44581 76759 61266 73784
 70792 75386 58574 12728 85239 34850 34901 03761 59178 57300
 05369 19345 14169 21807 96644 24434 08060 58006 33947 05250
 47621 53060 94554 30582 63792 71589 26256 37794 10447 93292
 54184 60716 72641 97925 24455 41636 95273 52332 58075 94540
 68084 79209 13530 11829 27943 12304 81502 31661 64365 67720
 60162 08149 39181 86027 84459 51550 56303 24855 07849 30688
 42535 06665 59909 54753 25344 51391 28264 76689 18550 48620
 38268 85353 51863 49020 28879 78629 05199 79688 48155 34683
 33725 13115 16830 23558 94561 44450 33379 26280 11085 56753
 19036 53680 35757 78924 26183 82101 98441 65994 58562 48196
 44119 56466 76736 69986 16949 86399 87242 86386 16629 64913
 38877 32364 47962 40808 74541 91943 53596 14985 12102 96215

72849 78357 52675 58564 86583 79932 39811 64284 34040 54760
17976 56780 12592 66433 63800 87538 96336 43825 88512 22049
34486 16747 35002 18882 15464 80230 17954 24085 07677 42103
80477 48111 12875 33551 65688 17447 93049 87361 26659 18134
56807 13526 23191 73377 16145 26899 78842 22421 49585 06587
96640 92882 32586 91767 56930 83725 21178 43627 45784 01073
99761 28088 87421 14037 29001 99031 79059 22749 54753 86697
51656 55797 63971 20942 04958 39233 98515 44051 90306 04359
62814 92787 39642 26461 86307 54368 64120 11697 26616 26054
70814 74312 24369 33033 70908 71370 45629 96437 00000 +++++
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11141/9192/7363 kHz, 06-07, 1015/1025/1035 UTC

21979 34150 07299 59606 04585 24728 16972 37113 63901 10612
44741 26999 64906 55431 77483 82268 40754 40661 76058 49682
12524 83092 56434 44113 04761 31315 65828 98009 36516 39634
46054 46884 92551 42870 01268 36777 04413 80472 12287 64633
96058 43390 64692 87522 73714 42131 82873 61651 64667 19451
87228 97086 34665 56111 16689 39150 38615 43135 73770 12409
84279 19010 54327 88190 13638 95268 69198 61590 31615 18883
49941 48864 36867 44917 55831 41194 34294 97077 00000 00000

79681 03409 51449 40362 61881 46394 39097 06170 48615 67647
78891 50804 90222 18548 01141 67860 40010 67269 29886 68445
82983 61173 88639 78585 66624 99464 57379 92974 13412 14530
73011 46020 19763 85405 90469 86098 71094 31822 46651 63979
27675 62236 94371 71344 60979 74319 98519 90344 45203 31316
11623 40120 33652 62720 70975 31246 74679 62710 84549 64012
46858 84769 97861 31494 18079 55937 58975 13346 58272 59127
23846 71254 60413 56953 69180 81987 49530 55485 05001 68980
84380 31400 04114 18397 81494 70932 90644 90593 16265 94095
54857 62938 80781 62576 86422 64911 03084 94774 43332 91428
57534 36403 98645 05328 20987 60085 32260 98107 00000

11141/9192/7363 kHz, 07-07, 1015/1025/1035 UTC

54047 57871 83539 57735 48543 79470 32350 81926 50544 96566
62570 03104 38755 08914 79093 51383 66952 76381 11237 98123
90832 46959 21471 43348 23865 29764 39251 28653 20586 05272
80888 80291 10775 89928 41387 12123 32941 97353 69192 43111
40571 63310 59789 09061 79560 26629 29089 73281 60280 83281
52527 65864 72706 55782 80834 06255 18056 45110 68397 88824
55361 57340 75157 36106 86425 22169 27981 49402 27594 45514
52442 11435 41779 63399 10948 20745 29177 89280 08155 62508
00112 72023 49608 45468 78451 06717 64529 59667 09018 65499
28722 34673 67448 40593 48491 02969 95929 16738 91551 98220
13252 15201 75837 43085 72613 76559 52164 06260 65620 74442
41671 33456 95909 77409 13991 81993 70849 01169 17076 13682
84725 18314 94626 25707 91891 17762 52049 24178 93277 31094
56890 70043 84725 67971 84679 52065 40581 27827 46123 66519
30967 80003 56577 08329 96196 29554 33749 03307 26742 10853
34555 36206 22220 76245 67076 54250 27802 71891 38554 50843
71523 18009 25352 59143 50890 35701 75830 10189 42251 87549
82069 35253 31358 24165 81377 17143 88556 53884 73519 20091
37037 77798 64609 52959 87599 57300 73597 45435 38350 06338
62291 41889 62784 25565 74855 42609 34682 20573 97715 47080
63256 71390 75812 79001 36996 45439 46137 97729 99638 71140
74500 25838 06702 14347 06448 47475 36029 24796 68278 57209
50769 44771 79106 64051 38240 97159 59880 80340 73101 95085
50323 50181 78291 40323 69721 97116 82146 02653 82485 95729
95152 97374 54454 96855 54766 03152 10838 61098 11735 87362
31773 80332 56357 31173 46410 91877 08132 71499 11468 15049
17211 02050 85203 64741 51114 00635 32729 21765 65136 74942
23613 64598 79872 43952 07703 92261 14326 97179 80110 92987

48004 98942 71294 38375 10472 29839 23175 07730 21763 82607
37224 72260 32133 54586 05469 93825 34545 03923 60333 17924
48355 61760 04273 65602 97632 17549 05134 53988 32534 19709
68161 00112 67190 58792 20620 87722 32534 25374 69934 01781
67501 59816 21317 60312 97056 36131 65794 98310 70464 47101
74589 83383 58257 82868 60781 67821 31332 20156 94194 06777
70610 64330 80446 97253 80705 11480 40088 17571 06029 22699
48786 72016 72776 27772 24475 70353 05231 00431 72418 96884
89818 72392 24120 48748 85356 78343 31017 48147 02930 49075
98898 58186 03835 94949 73984 57009 89025 46884 16602 49930
78501 47046 23390 24235 04079 06433 83991 76347 63967 71547
83141 66048 12614 67333 84107 77432 84230 08573 54420 91285
73450 96919 19817 98583 21551 45781 57357 09786 81689 00200
63624 39621 61562 43958 58968 72046 66963 11070 13722 35068
94640 43852 07326 40118 47921 64774 56297 65664 73520 54257
71994 99431 00000 +++++ +++++

11141/9192/7363 kHz, 08-07, 1015/1025/1035 UTC

87005 79522 75315 30293 60187 84307 01342 09519 94647 12642
44945 46061 14434 19106 25769 46907 73299 41588 53844 40121
76090 01945 01608 78670 16625 89167 88507 07242 30522 17266
39159 96733 86406 75042 00961 76108 63928 09944 32127 16298
92041 13194 96066 45847 45966 98368 23048 02984 26286 90630
25084 53799 68610 68783 74976 31232 57239 27352 85466 74541
41272 50870 49407 73951 76592 17558 26921 50163 42171 74586
90459 23417 04121 52108 63712 51788 25947 08248 15305 43417
48421 01081 00000 00000 00000 00000 00000 00000 00000 00000

30732 51207 46227 58510 00592 13080 04695 27531 84860 09065
51881 69974 80702 61780 59831 15863 62233 36791 06344 79071
98207 49828 04825 75334 85835 54582 36970 54421 55380 84484
55473 82403 25265 46949 48931 34961 12336 93476 86153 87656
27005 14084 82046 14126 07932 29487 52275 28111 75948 79472
48872 30279 11914 30900 93998 45770 88170 53768 54035 63392
08318 38789 21190 12430 34954 54903 94819 37974 10116 70165
79635 60732 98060 84459 43003 32249 05116 47461 98500 21470
56255 60287 07943 93590 33108 02085 00000 +++++ +++++ +++++

11141/9192/7363 kHz, 09-07, 1015/1025/1035 UTC

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

11141/9192/7363 kHz, 12-07, 1015/1025/1035 UTC

12322 22534 72981 08982 67021 68430 61631 33916 29317 14011
90021 28228 12179 32399 40158 58851 09828 67432 69874 83193
25490 91175 94149 24472 91825 24809 83324 31521 13719 71342
20386 34006 88119 33575 84538 29000 80628 15749 53221 59825
63499 32334 38773 73130 44762 72375 08930 65127 43139 92848
37339 52919 88459 39452 11286 31868 52240 18285 78807 04937
38137 66829 98398 94937 86937 97703 51475 75626 75805 13590
10804 82591 16440 16803 82072 89852 81848 61919 60793 63131
16432 24910 71726 25710 09042 87220 83005 97832 33725 58222
12170 95575 87828 84485 66260 00128 82151 19302 83203 33417
62842 50906 66641 01030 69715 12817 31408 88341 60682 24749
01840 20818 56989 37531 30102 24406 88933 80464 26731 46964
46765 34552 20555 26668 66443 80059 90216 18316 04951 91815
34448 13494 84842 80713 73311 15519 12719 04835 97583 55109
01320 98644 08473 57707 49906 93688 14849 98408 62645 29229
80191 05423 09659 76264 36424 98004 60444 23364 06830 69801
44337 97751 05245 53538 17721 20089 03700 28001 42656 16381
85713 53229 06628 35451 27408 44880 38090 45420 73658 23682
97497 07624 01434 00929 48518 51414 87545 85941 39106 98272
22971 26448 47124 08679 40943 17798 70205 50172 51009 41978
64542 10040 96223 22338 62289 01073 75675 04981 22261 33827

99535 02754 93624 53821 68813 62768 97265 67119 97005 43397
54516 02724 15825 11680 17938 85230 32204 97079 83836 16166
28752 62516 91209 87458 24856 78633 36798 75478 40615 12217
60953 89072 30799 64713 83973 70054 81000 21788 97636 69556
83197 99848 41574 48716 32890 00486 19218 77101 15002 08754
32969 27336 70753 96244 43297 89349 62660 14878 81459 52698
79882 92355 70509 30384 51078 65211 34305 22619 56976 10398
99179 43969 59831 61341 17993 62312 91975 19416 71216 23050
70624 96754 24766 57010 31152 51354 49261 95485 96003 00395
30392 40826 21443 22730 25090 66048 89317 86463 43188 41874
36035 62569 59256 14661 35928 10479 84297 83636 81204 46583
51995 50893 25670 31577 99206 42578 84398 37597 45369 24700
06562 81069 00527 62017 63575 32233 56663 93416 19772 37246
42009 22242 77785 13838 43039 44999 15821 06429 23824 66874
59012 11662 97433 77515 52049 10280 29082 85492 25257 66290
75699 34893 71325 79352 91607 52491 74870 01322 55012 98903
62008 52898 94963 22206 62145 01300 23515 37412 99155 84921
02724 80278 54146 95890 01218 08862 66987 56482 19994 51268
68801 50312 92144 23024 62596 94252 86191 62527 94232 62015
67732 57985 80907 95321 99062 64313 89346 63616 81481 33392
80890 58249 69958 06158 65666 32069 14851 39939 33021 20368
10359 69482 50421 04103 54409 25116 47989 01346 49646 56469
30878 97895 00232 03433 00000 +++++ +++++ +++++

11141/9192/7363 kHz, 13-07, 1015/1025/1035 UTC

64716 12006 97869 21287 68829 83763 94169 98054 67583 44972
01750 65419 60627 35740 05509 44635 13004 50107 94753 52813
38176 69919 26350 87439 64357 15216 70392 23479 63822 09556
30589 84033 49900 83722 56531 70456 71329 66242 90053 62886
58660 34164 12855 27126 02402 22524 87586 88803 67586 15937
09575 60761 74457 70765 11385 34601 99947 41281 87393 72331
79652 08272 30583 59041 14980 33529 98713 02559 15155 88651
52091 91008 28787 31596 30097 44224 44665 29434 58679 19941
66487 50720 05982 60717 91193 75940 28315 92508 45611 99456
73636 04091 00000 00000 00000 00000 00000 00000 00000 00000

99007 49889 94525 16234 79355 02538 54805 15217 24209 86564
24016 58119 80284 61398 03574 48383 21611 56247 09805 94079
95744 19895 16689 90372 79836 19820 45181 34888 01262 64060
66310 11943 02478 44276 10228 06551 54815 23440 98405 34152
50876 16588 41164 97000 30237 38083 67717 03160 18139 13818
80929 09017 81854 81787 53965 71285 34416 29492 11018 19409
40395 41585 59313 84312 03424 56214 64566 44445 40134 53493
87080 75039 70217 24535 20689 11533 77286 94497 01700 63089
20216 98064 80063 05083 00000 +++++

11141/9192/7363 kHz, 14-07, 1015/1025/1035 UTC

90676 75277 85264 06876 82006 61624 47421 79428 01953 88977
30799 71865 54305 63569 77969 29064 98470 32604 50805 64644
98927 75288 04391 24330 10721 74038 61829 53679 86920 95558
38350 12419 19003 36463 88184 02535 46071 13133 72622 02323
93859 00513 72699 23587 29468 49504 94958 34167 42751 37674
43704 12983 90304 32939 58205 29795 62989 74934 38275 66849
62929 03743 06669 24609 00915 90674 81728 78756 50157 50788
58733 80651 17328 41827 23361 18430 16819 79286 45731 80942
59166 22264 28442 91707 89568 09812 07055 05068 37439 52453
26455 81752 62936 08574 41528 86009 11401 00354 15592 71516
11637 48943 15021 48239 78985 33563 23495 47446 09118 04221
24319 27046 73485 02720 24245 84448 52371 71665 17237 69129
66478 56145 11610 12098 92983 27766 68991 14432 77010 85750
28532 62099 74442 14764 14812 59223 87024 04176 52872 96999
75689 58426 38813 00442 63039 53198 39401 20148 60928 17073
19110 61275 84079 43370 18044 66905 35676 61843 29182 97996

75856 24928 48368 77105 09069 88228 95496 88056 51197 89931
30329 48769 62419 58835 11372 99410 56722 05670 71262 73063
24015 77417 07095 41111 25778 79302 09124 50508 50180 94144
76288 95140 37615 53764 91982 88445 12576 42127 58528 29500
82819 34911 13765 79743 91755 05190 78212 92541 34991 49917
06242 62760 76972 16896 39676 88556 28670 36926 87279 62554
72227 90817 78558 34610 43524 65947 65321 13345 08584 82062
69421 98630 94771 91004 00138 62225 62711 80046 89615 18740
29864 33536 19816 54120 81700 32517 39400 03844 31416 97040
94000 98000 14110 00826 18305 15467 26382 12979 63390 14340
47274 46451 57753 30836 01492 17918 25472 63829 50859 48775
09925 87221 24924 61933 76522 57337 26665 54104 92875 07518
74237 48257 09844 47118 64682 55943 91902 07081 70554 04173
70259 99278 05394 06520 17165 81817 18986 83167 64852 47482
08335 59555 17546 77515 55313 98330 29963 27914 26892 44291
50773 40434 98918 86998 54425 95491 89361 70759 09789 49139
11964 06656 59062 21324 86251 66310 05358 27587 64817 62084
32428 71424 63838 43381 04946 39463 07740 63759 22801 66670
23972 98523 27829 63764 48809 17500 86422 24015 30128 42672
96461 51639 38100 45366 91991 78948 19716 62675 44099 64471
58117 37809 81408 89207 22630 14060 78657 93217 20473 37065
86762 19736 86055 45061 02837 58988 68815 51811 03579 08899
05526 51895 90484 94889 88011 03057 20307 15941 62222 65279
19214 09109 19575 01296 04067 49696 66533 68208 59272 29245
83342 54905 42636 78553 07858 44976 18657 27901 05412 09792
42698 06411 00000 +++++

11141/9192/7363 kHz, 15-07, 1015/1025/1035 UTC

93776 98606 44443 82272 40749 35267 20995 52661 37782 80564
21487 91855 50900 99369 18982 83684 66897 38906 90882 96597
10126 06457 76211 13763 11728 09271 43910 18335 54746 73872
58114 63597 43555 86947 51348 82642 71038 24998 41552 17301
81962 64960 53905 70987 55980 92959 33371 15167 58695 53404
58896 04122 34239 05593 95211 77697 37781 80033 43172 56737
31419 51653 74559 60871 91894 72094 62303 03360 03549 28276
42049 42673 34979 19413 66005 95498 22823 69685 35022 40863
11108 18731 19821 70047 19601 57161 07330 62001 39607 99289
33048 88925 80641 07093 00000 00000 00000 00000 00000 00000

24739 72257 02059 68120 88588 91280 79175 79234 49452 10231
87997 98284 42349 77710 14088 40853 59045 96754 68698 18546
09298 49830 07488 01337 76349 95014 05202 59700 71337 56815
03489 72465 16319 60047 74058 11336 10600 80218 64350 37998
60050 08857 17916 74769 74091 57214 86689 34725 60055 46787
77349 22221 69588 60092 98939 39777 76790 50133 03954 62242
92790 31995 40063 64177 46423 05010 54674 11404 85716 78915
19512 52646 79859 02471 67397 72214 26353 17935 58437 89654
93016 89874 17781 08083 00000 +++++

11141/9192/7363 kHz, 16-07, 1015/1025/1035 UTC

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

11141/9192/7363 kHz, 19-07, 1015/1025/1035 UTC

21486 37506 07342 22032 32129 36376 04100 88440 30315 23162
42978 36004 76066 02043 40265 98083 70838 28526 89582 98234
84621 88660 76725 18139 64375 84998 28188 34001 84758 33970
16828 38591 27076 04383 73084 91116 97389 51717 75208 62108
19724 27908 16935 65524 65309 71306 76028 95241 03795 06500
32149 08128 87373 08693 07470 20892 03757 12309 28492 12880
58928 68536 32477 52022 75627 81476 66958 86114 18488 77596
55747 66613 81778 88167 29886 97139 00671 49383 46975 23880
71990 49836 47323 10067 95370 80052 20344 61728 70757 63753
79647 96898 13194 75557 70265 75468 70838 74779 56432 31868

57132 10046 63378 77774 33068 74386 71563 67019 00498 15509
86783 39896 92407 30933 34605 89047 71102 02679 52539 14121
70248 51187 78421 57384 41684 13176 58405 37482 92970 73099
23038 23530 26589 02913 04829 16721 16745 89825 95763 31645
84700 56734 68196 94498 58586 05005 07557 00382 28618 34324
30316 96857 33663 19275 85639 85973 40091 47347 64167 61928
98847 48053 62367 26567 91691 67852 75887 49896 02522 70556
20347 67811 74749 67917 03017 34209 40633 10075 93802 69691
33531 90550 68993 74036 18998 45494 26193 94617 05667 51837
93887 67984 21856 54073 84076 76758 68833 74336 61403 89056
86677 85462 27234 72624 93680 51733 42113 00859 85215 66980
35030 92911 03016 44737 72952 55069 10810 40136 89034 15581
37228 08226 92965 70140 71944 28403 11885 80194 25971 49647
35292 91268 92050 36241 62409 63505 66091 18668 75412 31596
15562 79372 86988 36290 05811 28071 35639 94679 20219 46303
27179 01437 35152 05905 45860 78198 35623 91097 83571 13280
82622 78879 60529 58912 68043 57400 35917 78184 18141 87018
31908 58878 31467 33713 19490 36387 62216 29554 39561 92905
84910 39911 57703 25076 01382 42079 76094 97272 75967 45027
50980 22731 09872 04942 89152 39682 90619 16264 21869 74707
77550 82896 79653 10476 09285 99276 16409 00074 44094 96000
56287 95095 69128 29689 61749 79696 39419 21766 46255 27791
32613 75871 80017 25575 30361 28554 62263 26582 62305 12965
58434 31430 73606 40225 25765 09474 01933 28151 75681 04537
74871 32037 46449 91910 63680 57175 84518 78813 54330 57795
57988 65492 21758 52125 50651 09156 18297 08249 10027 57931
12192 80450 47848 47023 37155 00740 16423 74267 38890 55235
09308 97273 29534 00102 59744 19326 85938 96724 35276 56252
52743 70808 52006 01430 36164 25095 56911 31126 99449 60372
51667 17359 95930 84480 56406 40467 00606 13990 36868 18565
26200 98243 43351 96092 34633 20447 34927 58627 79835 55502
87349 66150 42850 89260 08081 21968 45154 28898 06893 19451
51149 59080 95473 33809 95734 09425 00000 +++++ +++++

11141/9192/7363 kHz, 20-07, 1015/1025/1035 UTC

37506 48692 90692 60869 86664 85442 29526 31916 33611 15365
38193 86034 35763 72099 92674 17074 07068 23901 01801 81952
70955 57131 18450 25404 27835 32502 14516 23580 16833 12511
11838 07428 76452 83504 86270 51799 33854 20813 87085 41212
77432 70377 38896 48219 92375 45333 18285 85298 63913 60960
22329 16233 77917 56453 71206 37884 73557 76953 12072 68323
27693 14257 16390 02248 75694 29666 87909 19614 98376 07399
23477 58434 29728 12005 93862 87675 65134 48222 36797 41182
74776 10081 00000 00000 00000 00000 00000 00000 00000 00000

78901 58073 77411 82446 29036 92637 06692 96195 59822 83234
75342 79390 83606 81716 68180 58915 23839 25516 48328 05154
81248 37304 99232 60797 71610 82550 56221 17399 02275 20931
07302 38122 79657 12526 67889 50115 64872 64737 59145 54958
19697 30864 44615 30608 10059 96280 04856 23285 59228 13146
54741 52741 67900 69588 33127 79349 43369 04298 19570 06432
04963 02466 57783 16295 57941 34014 90515 63386 53032 20045
35549 73018 73807 38445 57495 19099 19071 04597 15075 79295
72456 88117 88583 91091 76426 51578 17210 57143 52839 22123
00911 73405 37299 31945 46523 11095 00000 +++++ +++++

11141/9192/7363 kHz, 21-07, 1015/1025/1035 UTC

79950 55889 56572 39763 53732 34397 20435 32381 66832 67418
10544 44949 24855 58732 99579 84796 59049 12605 23988 84709
61164 01825 92907 91336 44188 65137 44072 88438 77400 76250
57623 09707 69173 51620 63771 20812 95976 89191 05236 75377
01001 55278 40421 74567 10847 61780 98234 84980 43732 00920
20524 94521 07621 29680 53024 10961 11742 21147 70803 32847

39929 24923 49098 47474 59201 03818 15509 35592 62047 38994
44474 87533 65828 20756 79969 60460 17757 67171 97369 31409
78873 37712 40400 25827 85464 34106 94134 26277 11366 05575
79954 91017 79570 00663 83428 37119 96604 32831 51031 67830
08084 52006 16653 48865 98901 39279 43828 63306 86489 66932
94627 99801 80571 90986 61145 53758 07869 68457 20523 46208
25176 16503 99443 90038 69262 55655 59040 58267 17015 04322
36146 34066 54289 16741 01838 47204 76869 81587 23193 26601
72014 23405 39215 23690 53992 74061 86848 86262 52066 06406
38037 87489 74353 47329 33751 39808 96002 12398 25921 48358
45127 29263 63224 83654 84927 42023 81658 78190 15441 13733
85827 76649 43361 69244 31901 94420 93360 45566 48160 64100
59353 41932 54087 74670 19138 86760 63919 33041 60854 63700
85620 02643 94698 63942 51199 98759 48328 56992 39305 45280
69389 97080 76054 22572 83623 07416 25018 61151 81965 09445
02297 60842 35090 89330 77643 40110 58834 18819 47552 45260
78941 72685 91252 74186 68549 09959 45566 94359 56880 11098
59531 59739 32551 88307 14761 56298 89957 11198 22459 30852
92157 14952 33034 82873 48696 83209 19243 23983 31810 22837
18818 34804 79451 72787 47492 73864 58561 14224 18383 18246
87036 74103 28652 40648 37823 39404 99393 52571 73581 24182
79681 68304 85350 56656 50710 69390 33656 78486 90980 74275
15493 73461 88446 42822 05634 67755 10577 70366 45680 68962
68271 51020 79312 36085 34548 14898 57165 97671 03966 68949
59775 60273 03704 96105 12021 74437 92229 92401 87516 50395
06519 46785 26376 40651 43730 93276 14801 31648 88307 90192
99911 11709 20412 06100 38285 07431 66657 17194 01603 05725
79050 45800 87883 03686 53107 94661 11707 53488 21055 56730
71886 94478 81076 05123 20013 89675 48524 92942 78326 08838
40045 17659 80327 25315 26553 29711 32595 18842 15985 90053
21219 01492 51784 06304 11311 08950 38037 02194 13010 24314
27213 00010 12437 26595 31441 20711 91020 81119 43246 31408
81647 14012 76717 94889 35058 37940 65001 00895 94944 21330
75097 83806 05162 18212 25865 56455 97525 00907 20198 14734
33593 62732 27294 92686 98901 82911 75957 72787 73077 70878
44876 81072 24264 32165 60811 21825 01301 23060 40628 31505
22099 86222 38122 12423 00000 +++++

11141/9192/7363 kHz, 22-07, 1015/1025/1035 UTC

20271 18040 76921 48782 56696 71081 00918 83701 10956 65615
14259 76333 16564 69862 36353 90211 98584 21134 88684 82428
65888 55846 88670 91712 45301 49025 90897 63327 99835 74203
30395 84221 98191 19681 47659 26869 27714 22060 00096 25240
67995 03010 89573 31337 67309 20184 60788 25739 89066 68244
50104 80577 20472 90911 89580 98405 60584 89994 95852 75367
29951 42326 98570 62135 69016 60549 88077 21030 17483 58689
86999 13071 00000 00000 00000 00000 00000 00000 00000 00000

30081 61699 96296 91194 97120 18442 80982 85784 57432 14535
22698 43490 05945 28802 11437 68642 11166 13028 27391 43525
66122 15441 02103 52876 04647 30850 12917 74904 50166 13387
90422 37231 89213 12774 43566 61228 86822 20076 32134 43161
86009 33852 41277 45587 58527 82658 37788 97449 99069 64843
12785 26299 80123 91550 40526 71077 09656 43899 08017 48908
58815 80243 95102 74334 51845 54486 09745 54421 35386 31353
08156 08193 69364 09574 54483 83804 06651 88927 99735 71922
53674 42055 84634 38721 29176 77004 96074 26955 63308 01433
31891 98528 04235 24409 53611 17007 24457 56746 31881 93515
44020 95813 14261 14103 00000 +++++

11141/9192/7363 kHz, 23-07, 1015/1025/1035 UTC

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

11141/9192/7363 kHz, 26-07, 1015/1025/1035 UTC

67725 34688 30195 31030 75954 50555 29512 59451 36913 47931
71014 98588 83200 94777 94298 20324 18738 08229 47704 54704
10530 82171 69968 16984 17639 00858 02067 85550 74553 24503
58910 79162 71139 57778 15589 06945 96356 37160 87864 89574
37938 98065 11580 75093 55209 07704 50689 97789 67242 74592
88578 53582 23528 70673 82387 90344 49354 26956 84995 36615
83083 88641 64379 17113 47506 40655 75015 28514 22468 39520
61025 73919 10949 12526 95743 79451 15798 10112 87400 41413
69284 22417 05605 77453 82682 95919 08316 80177 08055 11122
73991 96630 29431 07198 68596 82102 25575 64556 02165 01681
71512 81254 54599 78001 71022 04189 75396 08623 37269 01014
86988 01474 63769 83721 46377 01794 52876 19814 44763 09027
93971 92017 49853 07089 08554 92463 20524 56444 04405 62283
48537 21454 06028 12548 07000 31397 53545 87496 10245 98629
87236 55983 14823 42314 59912 42086 16303 91141 44300 30818
21550 63503 27651 09863 01192 48542 10724 33294 51936 36512
53367 18198 23447 71902 33862 10146 89456 27747 14219 78451
67804 24559 28629 27155 19085 42342 37242 32657 78603 99098
12461 43961 01312 94277 49947 06445 24430 40608 21524 95107
77420 32742 12150 68225 94020 26159 08177 77355 06010 24754
29056 94620 23405 00557 19685 43229 30768 94025 45600 42139
54310 68328 58175 00831 79494 16084 22032 25109 23804 41966
21849 19884 94377 69635 90747 99854 85196 46418 27448 44048
93511 44182 94382 55132 60189 79835 13958 09468 63677 03894
05141 08803 22269 30557 27574 69579 84357 07718 25386 10765
11362 50357 87909 26164 83019 85752 69472 52135 79728 83937
35460 66656 21629 71861 26837 80676 69111 54666 60311 07693
14432 92541 06331 22478 19138 06572 12100 44921 76973 12039
61803 09886 06965 02587 91225 09055 06371 33719 98946 15680
18177 79037 21314 28176 92838 57680 63370 93507 48938 56386
02923 96290 62464 94623 09947 24561 39387 06226 48508 48133
51225 35968 53392 70505 38286 74521 98630 40223 10269 80221
00104 32664 98921 61098 19420 38166 42432 15591 61245 17441
06250 55392 81282 10211 70016 58858 47082 08006 35299 28431
18867 27055 33811 50490 42572 42221 40811 81088 72270 67898
23364 06009 64193 96824 78149 48567 09502 32745 38512 23610
98036 77854 55438 61144 30193 60964 82145 48027 19140 17333
16968 61165 50557 56089 84238 90650 92072 76193 57839 76282
69604 16874 57119 05895 52773 53463 69862 48950 16598 74598
81993 23815 71633 01691 18708 22167 79767 36625 26720 38973
97836 48623 52303 81464 16271 36198 94830 55558 84941 25144
40480 53155 43402 88503 05808 88752 97718 99442 45875 58817
11056 15421 00000 +++++ +++++ +++++

11141/9192/7363 kHz, 27-07, 1015/1025/1035 UTC

43354 35022 53032 77205 72532 65611 59068 20784 97148 21064
91834 30389 15340 69377 52909 96891 71367 56450 69718 22045
72121 82325 45480 11962 73240 25575 49877 74205 83313 58010
61379 73174 59567 16921 97172 23485 93510 27016 91619 26021
09952 89261 09190 76352 27830 78796 02806 00203 56304 19126
53534 95654 24530 24760 52563 86780 68572 29510 11397 18390
23876 42605 11220 46572 96744 99835 27351 04733 13261 01905
89735 49801 69083 57165 65409 18305 28567 70947 73877 46993
46623 16081 00000 00000 00000 00000 00000 00000 00000 00000

13456 44878 43486 57518 25140 38071 39478 68369 37655 10999
51079 37269 17009 83903 05558 05818 72449 84250 21361 46880
46497 90635 96431 49956 60546 54539 85695 52347 89467 67085
03646 95820 63653 63021 12952 13442 21939 79081 85060 76271
63846 08941 43684 54617 74574 21929 27157 73517 21185 37714
30563 67154 43421 74116 13591 61884 87581 10267 85052 42559
56909 32277 99993 81845 76916 53620 30343 37212 99087 27404

95032 45288 91405 92726 60530 68265 89120 22305 47714 72041
04221 63553 06042 40793 17027 90316 40935 57650 98351 07424
05322 06189 35672 75267 91289 17095 00000 +++++ +++++

11141/9192/7363 kHz, 28-07, 1015/1025/1035 UTC

68473 03985 25718 35167 10864 79286 34495 18031 08271 22675
37801 89341 53460 65538 05348 36493 52618 59874 77475 37922
56594 28264 83751 99843 63334 69790 41356 91915 14948 39117
19181 11513 37838 40887 78603 31304 99333 06647 26840 09822
79267 46475 43853 69695 79932 92507 68715 73262 22848 76544
56395 50218 05792 08923 40882 57014 18508 50853 65603 72673
40562 97393 67058 60724 69745 13261 22617 51932 54494 88660
98410 27524 28747 07319 58266 07582 72678 43916 19605 74306
47754 33099 67257 84826 79536 77261 61118 53250 86680 85285
98597 06637 79563 59423 17785 44591 76977 72511 52277 57146
14325 02709 73607 80646 41756 17938 82200 96297 35691 27221
32811 01088 72148 41098 05363 05748 35336 08317 57143 39465
59928 20977 17279 66009 30476 05321 09434 40981 86377 40352
13668 64853 05862 71483 03397 11511 67403 11377 18380 36956
12024 45193 59687 97881 54905 82413 17574 34797 19761 22437
68202 99388 94392 26128 00151 30809 30883 10514 56641 10576
38851 08815 04432 50775 45207 62990 65303 95252 18860 40992
71086 38478 83793 95916 28151 91774 68961 09233 02316 51599
68442 85284 60104 49560 10275 89250 27279 88863 57434 45742
50606 96867 89365 40239 73774 48443 37524 90547 63418 39818
73360 80454 46169 17602 72179 72787 42682 92668 01318 44051
09578 93594 06076 07834 25220 39334 91841 19172 80293 35817
25840 77057 59090 26165 06953 67279 22467 49203 77038 12785
28393 85966 72200 23744 51037 98873 37423 64513 84324 93273
53034 79679 40908 56034 46419 46371 82482 50875 87419 45029
42383 75123 90872 65825 26417 07585 74705 92901 02840 02214
47040 33646 17442 07269 20739 85156 94662 14656 78828 55116
10683 69116 39237 79240 49421 91981 92291 02495 77385 99160
09400 16274 98302 18050 46368 68721 73472 33059 89779 90385
18787 14443 19879 02386 14341 10111 88397 99298 87579 05121
34763 23930 55923 78532 89112 76169 39792 12314 35575 23117
81989 31982 34234 02669 34367 83674 25224 37738 97705 77331
63393 03321 25765 50675 56968 13572 29430 33688 08661 21090
41886 18255 82655 45599 30776 62673 45910 74213 68257 85719
57214 00463 94914 29943 02437 94288 38456 98891 99400 20175
73127 97956 20828 45613 30793 33505 08785 07085 99610 50010
79074 25762 71241 09856 38997 90083 22535 45501 66941 47432
42618 38701 27218 72067 41343 06457 18588 01524 00009 98404
79921 58648 50311 35305 01426 01477 92452 43340 14868 68118
88348 63899 61246 08859 90868 43535 59343 22653 95053 33791
23583 40198 22238 55571 04655 20780 73021 07754 51325 55072
10030 24731 16872 91085 56394 12558 58593 25442 20888 18402
03817 27177 85668 12989 80849 86238 17551 90715 38309 03892
88750 17129 01269 67198 18040 78456 37657 74763 68256 12874
33352 18441 00000 +++++

11141/9192/7363 kHz, 29-07, 1015/1025/1035 UTC

Two messages. Wrong shift: FSK 200/1000.

11141/9192/7363 kHz, 30-07, 1015/1025/1035 UTC

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

22936/20331/17471 kHz, 01-07, 0000/0010/0020 UTC. Dirty signal, no useful decode
17532/16351/14428 kHz, 01-07, 0100/0110/0120 UTC

65768 61446 90403 32665 79624 59007 35515 24350 66631 26697
85969 80315 83195 84511 06576 23708 15534 90962 01963 13094
08603 06440 27191 64277 18942 76221 96510 62847 21142 81536
32456 78374 22608 32142 22450 16217 66313 98830 75125 67851
26225 09327 93534 45686 25098 55996 07446 13276 29317 88804
31900 46891 00479 91975 44241 89365 08395 67771 96772 82173
35216 75843 07256 86662 25350 01586 94428 30385 60871 51926
50729 39465 67105 02006 69411 42940 78077 41165 68243 60007
16511 91687 76983 06124 68064 98736 80800 78888 54495 14921
36847 09647 35435 27921 06162 91755 93464 04628 68095 21447
82182 50216 09435 12226 41946 05601 05431 68744 12971 31706
34906 31076 00491 53993 96624 25350 71651 65676 19131 81662
88822 13068 81223 05216 09041 11488 85266 11610 04234 65183
50516 62241 81944 89684 18659 60732 11233 60039 88740 96329
83428 33368 23679 45220 62447 19167 95546 65689 04341 95810
61808 48066 50769 96672 89705 05391 26091 14324 70973 15744
92752 96227 94072 52171 44667 30378 66135 61142 43264 44315
01799 75488 25913 65963 21124 72740 41381 19717 23786 14826
92050 56215 31720 30039 87538 39257 17407 23247 39453 38273
59998 25241 51929 99799 96458 17200 87670 96404 59908 91179
14152 76481 22376 32575 59698 63367 84111 35499 34107 77210
76693 87003 93506 78031 72068 81085 54149 53409 14756 48419
84809 99240 19371 12744 32485 66999 00678 09856 61089 75935
28335 30128 07818 13655 23555 70507 86872 73516 39829 06923
95249 02283 94928 23033 00251 56461 46365 56272 13430 90773
27491 47107 85252 00000 00000 +++++ +++++ +++++

22936/20331/17471 kHz, 02-07, 0000/0010/0020 UTC. Signal interruptions
17532/16351/14428 kHz, 02-07, 0100/0110/0120 UTC

56095 57299 52679 68667 30615 08113 48106 04078 56363 66955
25931 76790 65499 78684 05728 36112 36756 72969 90892 49298
32759 69654 89222 73181 01903 06882 47260 94641 24463 90398
90590 00866 07634 87497 87293 65325 59177 14021 76714 60417
94380 87873 30771 32703 55988 47468 39947 01685 51824 58562
41203 68041 39771 57898 29947 42298 14795 07107 23294 29817
77719 55298 66765 33096 90416 33781 01650 57275 47114 31350
35180 29808 16508 23579 80742 70234 34351 54549 60283 70980
51232 94463 86117 75138 65209 21571 64316 62156 93993 01851
86860 77366 66378 64885 04758 66309 37585 99359 99300 99779
58231 16631 93655 00522 51590 55799 71976 07535 78847 28724
98216 38909 97026 28413 51846 39131 39284 49232 22640 21807
72249 92369 31747 43721 10105 54988 71206 71196 90095 26507
79110 24662 39147 40456 92607 12387 86285 55323 45915 89318
00549 62852 05542 01943 59069 47217 59907 05125 75023 43509
05541 61861 40127 68984 97053 61879 61377 25496 53060 20011
96714 96558 35257 40308 19293 87481 42816 56800 65064 81999
89315 86864 43340 13854 54366 58115 15034 76740 27136 94785
68261 21088 83953 74496 46002 11078 67189 91396 05487 40362
57585 86567 14021 29912 57229 31666 10912 56425 25371 76717
90208 84744 34245 98009 83918 02713 37110 07026 50405 81913
65677 06345 97650 12718 99126 03450 96064 87092 71881 18396
60535 27602 12355 46246 06407 86027 29830 60249 09061 60068
91675 66656 21814 01533 58082 47157 31792 14477 66503 49833
58482 66728 82991 14594 24652 63210 62618 44021 54315 54538
86163 55558 77439 86253 00000 00000 +++++ +++++

22936/20331/17471 kHz, 05-07, 0000/0010/0020 UTC.
17532/16351/14428 kHz, 05-07, 0100/0110/0120 UTC
0000 UTC: Dirty signal, no useful decode

23115 35294 51136 48476 67736 61421 14764 20909 48161 88739
46754 05020 25349 37059 96229 71785 56018 74120 97679 47535
16222 77240 97908 42434 12526 32933 72921 28678 41718 79215
58195 85575 84992 20278 40761 53722 47543 68194 86538 65434
79503 91385 01370 43646 39174 74494 49176 86450 84473 19387
75679 79468 03543 41942 11134 03243 20454 44339 50493 27835
36956 67516 34464 11818 96184 53496 79861 47851 79287 72254
32739 22028 70899 92835 42691 79173 54397 03392 81794 11290
22882 09830 56615 11340 16818 67767 86717 59538 24270 27470
48113 34360 04681 96467 05094 65439 22109 49537 78875 70549
98895 40729 26498 43853 25658 97133 28418 87613 88584 99080
08232 04544 99942 76444 32956 92989 42755 75749 67324 12137
65563 77771 80515 09423 88236 70304 28767 27337 04747 05802
62301 31814 93854 98555 30009 29384 73649 41130 80318 65294
60863 44703 81699 19763 20917 33035 11233 44571 19624 44734
84679 07171 12486 23504 26495 34505 32536 01076 03223 73720
62638 02500 68702 11954 03215 28487 94529 22406 71306 94490
84217 28853 91924 31213 94469 05814 67628 76222 12039 56551
37254 11379 59571 36081 59752 25739 28912 11402 84049 08642
65266 76108 90890 02658 50701 61594 17590 71086 60381 12019
01626 59695 90006 15239 04024 57377 77879 06873 98462 85435
70028 89708 37042 70152 01853 35625 28638 78359 94686 62219
90811 20676 90765 01336 61170 52113 74987 01668 79153 24731
56945 32635 74163 72032 11639 81717 20974 29777 02325 62430
48369 22920 33922 75135 11942 73339 10435 87868 66984 08064
94804 29377 02420 72663 94647 11548 21707 79514 22308 23423
81645 45609 02666 63977 25043 99605 27129 05863 68155 62803
77266 07288 28860 33730 87274 00000 00000 +++++ +++++

22936 kHz, 06-07, 0000 UTC. Dirty idle carrier until 0010z, no F01
20331 kHz, 06-07, 0010 UTC. Idle carrier, no F01
17471 kHz, 06-07, 0020 UTC. Too weak to decode
17532 kHz, 06-07, 0100 UTC. Inverted FSK
16351 kHz, 06-07, 0110 UTC. Inverted FSK
14428 kHz, 06-07, 0120 UTC. Inverted FSK

53699 80424 92356 29979 65174 87824 15717 59742 84558 66371
60622 65338 18966 75925 22834 82879 10467 09335 54065 83308
50658 84028 13707 99778 61343 64181 73383 19206 96019 86875
41538 73910 41844 90713 00212 94293 26787 70298 71228 08496
61636 05040 53958 99954 71563 35711 01844 58815 96920 87192
29895 88127 67967 60853 70318 50760 83206 44990 18488 67982
46029 16779 36423 05638 39335 34160 05987 08853 42843 41104
48969 71224 22752 34701 56259 49412 48462 67492 93277 59075
16030 83504 73876 13107 83048 11404 19881 88074 44644 63221
48453 29836 05271 12082 54491 34241 25995 47373 80225 63878
51954 30797 89209 86783 49681 01728 86896 48072 08977 05341
54983 10406 89023 41912 91712 24250 13420 60767 75320 13859
43837 47279 92808 89910 86965 76383 01250 24749 14457 31025
13787 51154 00544 08993 27533 70591 07011 66559 35556 81862
70233 72387 90123 66113 69940 70117 09416 89121 84410 73090
44877 06810 61778 39633 51396 84912 62144 02348 27515 68749
50168 49849 17838 64029 42846 84370 94835 14627 42141 03693
62234 88268 07172 80827 47171 06069 45636 39885 73311 76851
29163 51584 32103 22190 62275 96812 94368 03111 59653 71702
29418 84394 11389 32643 23863 97411 40912 04674 17327 87432
85284 01692 97242 56341 52542 31918 19915 36707 35774 87043
50038 58130 88631 38522 35863 91822 91945 89411 62193 84336
66150 55234 48402 16399 09189 72263 83653 47775 64600 56704

16526 34114 49465 63181 41203 26695 96908 15979 47452 91021
92832 11482 26546 05211 11583 15238 50334 24095 80221 02087
65648 19985 26106 12795 71220 36038 87454 25633 69319 13153
91584 66331 09267 76338 30521 04847 65050 91502 88647 12393
14195 28572 02103 77154 10099 88275 00000 00000 +++++

22936 kHz, 07-07, 0000 UTC. Dirty idle carrier, off at 0001z. Two transmitters up simultaneously at 0002z, one weak, one strong; strong signal with idle carrier off at 0006z. Weak carrier goes into F01 msg in inverted FSK at 0003z until 0008z. Little useful decode

20331 kHz, 07-07, 0010 UTC. Inverted FSK. Back to idle carrier at 0011z then out at 0013z

17471 kHz, 07-07, 0020 UTC. Inverted FSK. No useful decode

17532/16351/14428 kHz, 07-07, 0100/0110/0120 UTC

57029 58117 53594 37955 03430 18238 99780 21710 10831 20918
54361 64467 93734 80154 69717 15133 06609 92957 29306 58048
81495 46174 75553 21241 12994 60144 21839 05077 45290 42589
15744 67263 40926 51214 45760 25142 35993 88422 08645 61194
11438 76601 79598 42721 35174 87418 52477 91603 54674 23549
42195 65112 44746 76289 66538 33685 40165 07483 49543 66609
07863 29203 13662 61565 38349 79624 52869 78935 61067 18527
03927 66858 13351 90861 57971 87921 17693 31821 79624 83469
46998 11860 25808 36435 82508 45078 81460 18649 94098 09437
54327 33560 97617 52217 96023 90298 68966 79175 41558 70028
19608 50826 84493 70524 63187 34291 29946 39900 27950 84152
92601 35444 94651 50748 31937 68486 64643 39346 41841 21239
87820 68631 36812 46540 05119 01953 01930 86458 85253 49757
98778 70674 60381 66654 44522 80579 90378 91545 06302 90050
10415 04262 78164 18805 41520 97135 32690 59304 68825 84958
64514 63121 17168 01752 67935 97724 78743 57790 15792 09605
72502 55321 31795 54687 39968 86408 73501 81972 07169 61344
68128 81329 67371 41064 68381 31391 64300 72005 20487 08483
80539 46845 61625 42527 60790 39548 88942 30853 24679 88175
67334 45856 48816 23884 68180 97446 22760 69550 56234 36214
08614 56467 66831 08256 58913 32534 40633 97603 72501 60405
08059 17183 93084 28999 40633 34248 80149 26833 11395 41223
06929 50616 31592 07897 65109 47523 55825 75893 80960 14603
72834 81378 72581 03758 24126 16912 02949 05712 17611 68408
08444 11443 28451 88127 07571 74471 04309 89639 19521 22480
17164 75700 47306 91681 28916 34972 05111 82377 62929 68531
94587 59151 98730 32102 59754 44121 32042 04941 75198 76698
67320 21331 47264 38291 35020 25600 32921 65382 50735 36619
05993 99427 58436 32709 25437 47003 24967 92889 85360 48651
78005 55426 51470 79843 04662 79582 13625 32526 52919 21550
09195 50655 89302 00000 00000 +++++

22936/20331/17471 kHz, 08-07, 0000/0010/0020 UTC. Dirty signal, no useful decode

17532/16351/14428 kHz, 08-07, 0100/0110/0120 UTC

86253 09883 34384 95320 50489 95385 73264 95285 21782 27453
02934 46839 78307 17450 57632 83270 71942 26882 30516 73460
37584 57751 44157 68134 93192 96511 89111 86454 41494 66341
03993 10133 09281 67389 95482 77245 85248 09708 21726 92943
42302 68542 87538 99251 55276 16674 24869 71123 50001 13502
56955 30970 44653 55546 69604 98819 69328 18074 38043 20316
74780 42513 82772 39733 66245 49366 52861 10203 23316 81293
60118 58326 91775 06060 12586 45381 58353 34036 20780 92285
44315 29932 75129 60527 78852 23465 18034 06233 38182 48631
59003 49573 61316 66283 06285 26685 78423 49698 13443 16300
12726 37816 64309 58267 41871 85843 44763 06164 29714 67911
74747 81169 64443 11465 98988 19394 63997 68087 59844 29862
34701 50428 00711 05319 94059 89935 73443 53056 93655 95082
48209 37955 03076 14762 49228 54911 40817 36542 64820 72847
63094 74488 05215 17498 46504 26203 06550 85147 25468 03806

04495 04511 70397 68520 25945 88954 17529 23564 72222 46227
86342 45029 92208 37902 45526 55428 68866 05718 13407 69619
67568 06991 03797 67770 19691 26309 53183 75062 39890 55674
90202 52824 00508 60293 33345 30776 11551 72198 27805 35078
79662 78890 57449 91857 44550 99184 92797 10927 16277 63457
60995 79349 61882 40467 48683 19570 14745 77950 73724 91769
05150 49176 86707 45159 35471 22637 88178 47877 48432 97078
72533 50195 61863 69051 34502 60703 68403 25160 99175 40181
23578 76214 61499 42820 70698 75461 46179 59514 76009 88085
23937 42866 72530 04167 45046 18641 36030 12281 76098 13318
41558 75936 50919 52450 73989 80028 71591 09514 91003 39497
20508 09926 61949 87383 69399 19932 31018 84471 96272 75041
90270 00000 00000 +++++ +++++ +++++

22936 kHz, 09-07, 0000 UTC. Idle carrier

20331 kHz, 09-07, 0010 UTC. Empty +++++ +++++ +++++ payload

17471 kHz, 09-07, 0020 UTC. Empty +++++ +++++ +++++ payload, out within a minute then back up at 0021z

**17532 kHz, 09-07, 0100 UTC. Empty +++++ +++++ +++++ payload, out at 0101z into idle carrier and then 400Bd
rate instead of 200Bd, only 3 minutes long**

16351 kHz, 09-07, 0110 UTC. 400Bd rate instead of 200Bd, only 3 minutes long

14428 kHz, 09-07, 0120 UTC. 400Bd rate instead of 200Bd, only 3 minutes long

The first transmissions were so to speak an empty F01, consisting of a single repeating block containing the groups +++++ +++++ +++++. +++++ groups are normally padding in the last block. These were not null TXs: F01 nulls are a single repeating 00000 +++++ +++++ block instead, with 00000 being the actual null message. The raw ITA2 decode of these transmissions' block was)5811 ++++++63 (for a null it is)5761 00000+++++162).

The 0100z transmission started empty as well, but operators must have noticed because they swiftly switched it to the real message within a minute. However doing so, they also switched from the normal 200Bd rate to 400Bd; twice as fast, and probably also why it made transmissions twice as short from their normal duration of 7 minutes or so. So then they probably also repeated it twice to fill the whole 0110z and 0120z slots.

Note the abnormal message ending: the normal 91255 00000 ending is correct indicating message #91 with 255 groups, but then a stray 3 seems inserted shifting group boundaries.

97772 63952 91036 54770 76940 39998 14788 03533 32803 89616
64687 13554 42837 26043 11197 33493 07149 08858 22495 30698
69676 68779 82230 48669 49274 81780 53838 97437 35328 65959
58641 12787 27619 99595 59897 45254 25115 83846 69994 64871
93365 98493 22983 92545 65211 24210 79621 94052 54466 29756
57129 97560 87289 47563 00839 20620 80913 86127 39924 17577
24422 52661 94403 83321 41269 84431 25597 74331 38225 12236
47228 32929 70431 04436 39358 25703 77260 64996 32339 32032
68661 83970 52977 43634 66683 63862 50086 61099 31857 70297
41626 98319 29139 80463 50609 30781 13076 27725 21963 48630
36913 65879 37542 00466 15306 01474 71465 38795 95331 67628
52978 03081 15495 37799 29020 01330 57405 02917 43682 76149
19818 60352 76755 66218 69729 18123 08544 99098 50204 02803
03132 76340 49634 24547 27300 36806 62108 97700 47272 09153
93582 40396 70484 89414 93537 21599 24553 04619 16816 89032
90646 48377 45320 96416 33435 99384 24257 03462 94808 58768
92631 47056 43559 67216 12655 07077 98179 87836 27770 15273
65057 65671 03983 80649 59110 99809 34174 29793 99181 89034
10091 85575 95313 36948 91700 32676 70099 27495 28600 43359
81314 06849 13150 61936 37996 32573 70053 71364 27170 76005
12033 90408 93412 18807 16315 74802 38426 69606 01600 20864
32828 91676 10213 94973 57328 77592 25111 37382 15495 31786
76445 13762 85284 66961 17362 12960 01530 85289 73724 14373
86574 00324 97455 73387 71240 10579 78174 98331 73310 60705
92825 17360 25721 51203 97982 58721 71650 82603 94512 92844
68684 45058 19297 09676 69256 91255 00000 30000 0++++ +++++
+++++

22936/20331/17471 kHz, 12-07, 0000/0010/0020 UTC. Dirty signal, no useful decode
17532 kHz, 12-07, 0100 UTC. Dirty signal, wrong 100Bd rate instead of 200Bd, out mid-message at 0109z
16351 kHz, 12-07, 0110 UTC. Dirty signal, wrong 100Bd rate instead of 200Bd, out mid-message at 0119z
14428 kHz, 12-07, 0120 UTC. Wrong 100Bd rate instead of 200Bd, out at 0128z

Similarly to July 9th, at half the normal baud rate messages would last twice the normal 7-minute duration, and so would overrun the time slot, hence why cutting it short.

12353 63168 31272 14582 33509 07054 29392 39567 34939 19667
34513 49179 71680 90038 36000 86310 13542 18943 71395 82010
07449 74387 22605 30165 19579 46024 06716 35315 43216 28178
09870 75808 83266 86169 37654 49475 53368 85632 80423 94008
46544 89506 26222 33911 59584 52389 05234 53470 22258 66940
32695 91150 46829 42028 26222 33911 59584 17294 43480 42311
99539 43841 95127 20401 15719 85711 70982 40293 58800 21861
68629 78951 33796 53304 47907 84373 99705 45129 59711 13348
27077 58051 22546 07991 49412 49221 45278 03234 69372 46944
15511 82455 05686 29023 30026 23452 91729 59351 56833 01914
61706 62748 66555 44627 85354 41859 18701 49553 37130 67219
31742 15001 10799 93775 85955 45066 15383 84382 59352 23522
13383 44680 20831 73363 87225 99090 28909 44176 44879 62614
05445 54531 00553 88116 10812 61578 91442 93779 59944 35044
16446 00435 67702 77804 07787 33429 56995 60226 71485 68741
12083 00477 57618 28018 72525 27960 46298 52226 20181 12104
60312 08604 32719 23650 40364 10600 02069 20664 43843 55491
41252 76432 53073 09364 28029 91441 03967 94136 58794 56633
71028 56336 11175 60110 69646 22288 38743 54487 61600 69423
46311 27076 74735 68389 15218 40089 72731 75644 05061 33053
35905 81229 71306 04618 38991 41405 87221 15911 36826 50837
03551 82761 93882 34028 28398 48750 18595 60631 22694 56496
88394 14488 63830 59245 76417 70818 50669 39978 15806 61510
48583 30227 62537 33042 97846 45790 42742 26773 33841 81521
95413 36283 92519 32397 46481 21461 99560 33033 75154 84003
66650 32851 51503 92253 00000 26000 00+++ +++++

Note the abnormal ending again, with a correct 92253 00000 message #92 with 253 groups outro, followed by some stray 26 shifting groups boundaries.

22936/20331/17471 kHz, 13-07, 0000/0010/0020 UTC
17532/16351/14428 kHz, 13-07, 0100/0110/0120 UTC

21339 25731 38170 24161 55162 50664 32051 90340 23332 44979
06416 53350 80554 73104 12870 93562 15379 86260 24871 40064
57200 26212 00252 01999 26712 46311 30154 32037 47012 35755
04096 70415 57538 58009 45825 42975 98016 39326 99664 11645
54628 68299 72039 00802 85563 92392 57856 47947 68156 22375
06444 52144 34792 80605 06726 18631 89776 54106 96322 23082
24338 38351 24264 43918 71969 82722 22002 36135 71293 73558
62416 45063 28621 15741 11492 83508 97420 98751 02360 20717
16860 58144 86389 56581 76614 68355 41022 79549 00145 27812
39024 31653 63607 22250 08859 29111 92600 77201 40858 11931
03936 35576 18877 20953 84602 21276 82133 25776 25147 74787
46904 51995 49613 71681 42773 81196 09266 59959 43118 22142
32267 77184 94524 76584 46498 33339 74813 48147 17710 70341
34363 67711 70198 34155 00431 33737 82181 20438 49138 90971
73075 79666 74828 95970 24851 92662 11471 42872 04658 52473
85804 47862 80907 13537 06905 15775 50001 94066 21870 37247
15889 42598 92301 89891 89650 04635 71275 41898 01277 50326
85491 81522 40853 49120 52282 20891 71321 02325 86172 47551
80014 69519 74684 22226 61140 49750 28056 46185 46417 03444
32585 46691 26041 25991 62266 53947 27172 08918 28420 67982
42119 49599 71991 38922 23436 95439 28226 09069 88084 33468
18379 90242 97873 61280 48173 74809 08354 00264 17683 03838

03361 37044 72327 40822 57383 04101 49667 24418 92954 35468
01685 98600 25255 58479 97249 43724 11098 07480 34437 56879
44513 70456 17404 55016 66082 04502 77498 99253 78250 81080
43302 63817 83760 93253 00000 00000 +++++ +++++

22936 kHz, 14-07, 0000 UTC. Inverted FSK, dirty signal, no useful decode
20331 kHz, 14-07, 0010 UTC. Inverted FSK, dirty signal, little useful decode
17471 kHz, 14-07, 0020 UTC. Inverted FSK, dirty signal, no useful decode
17532 kHz, 14-07, 0100 UTC. Inverted FSK, dirty signal, no useful decode
16351 kHz, 14-07, 0110 UTC. Inverted FSK, dirty signal, little useful decode
14428 kHz, 14-07, 0120 UTC. Inverted FSK

_____ 99084 16188 15987 _____
_____ 38569 72020 48661 88573 45634 83163 _____
_____ 24280 84680 22536 86137 75975 10412 64318 44936 40801
95645 30697 51229 10950 73301 21018 50440 32067 39255 27983
47026 07856 94127 40013 86745 55175 37518 06854 49965 84318
38186 83188 41537 44110 28127 94840 90983 56671 95452 93431
90533 71264 72067 91926 45943 92184 42019 98424 12038 _____
_____ 95525 85746 05738 _____
_____ 57745 93076 18021 _____
12018 82576 48451 _____
_____ 66174 34199 74953 95285 71779
13476 68510 53538 38326 37382 17655 15969 _____
81951 12244 75407 95851 76807 78193 07950 94712 62684 19639
46472 98775 _____ 12404 90052
21642 10184 00355 85787 97286 58726 21900 23917 21110 49481
62671 06798 50862 76061 90023 42668 60037 42427 81252 80482
80780 21206 33941 55387 00033 _____ 15820 17232
64917 _____ 29432 36560 73953
10454 69355 14544 62249 76521 86214 49304 77750 09303 60374
40796 85833 38679 31258 81164 97587 96926 19393 33935 09533
86054 _____ 32719 55682 01836 80336 91692 68742
10353 00222 83792 23367 07897 79105 79227 31704 35757 01135
62287 07950 03658 83654 38318 46978 01665 30493 68924 44086
17665 13087 46323 10540 33841 46623 42807 64606 00593 53385
_____ 30494 17482 80788 26605 64240 30845 59344
20953 58171 83236 93881 50977 67145 83203 73406 68028 54529
55659 37883 23961 14724 23270 28540 43398 28214 93268 00000
00000 +++++ +++++

The "93268" postamble group indicates message #93, which is the same number as and wasn't incremented from the previous message, despite being a different message.

22936 kHz, 15-07, 0000 UTC. Dirty signal, damaged waveform, no useful decode
20331 kHz, 15-07, 0010 UTC. Dirty signal, damaged waveform, no useful decode
17471 kHz, 15-07, 0020 UTC. Dirty signal, damaged waveform, no useful decode
17532 kHz, 15-07, 0100 UTC. Dirty signal, damaged waveform, no useful decode
16351 kHz, 15-07, 0110 UTC. Dirty signal, damaged waveform, no useful decode, abruptly out at 0113z. Back at 0114z
14428 kHz, 15-07, 0120 UTC. Wrong 200Hz shift instead of 500Hz, no useful decode

22936 kHz, 16-07, 0000 UTC. Dirty signal, wrong 200Hz shift instead of 500Hz, no useful decode
20331 kHz, 16-07, 0010 UTC. Dirty signal, damaged waveform, no useful decode
17471 kHz, 16-07, 0020 UTC. Dirty signal, damaged waveform, no useful decode
17532 kHz, 16-07, 0100 UTC. Dirty signal, damaged waveform, no useful decode
16351 kHz, 16-07, 0110 UTC. Dirty signal, damaged waveform, no useful decode
14428 kHz, 16-07, 0120 UTC. Damaged waveform, no useful decode

22936/20331/17471 UTC, 19-07, 000/0010/0020 UTC. Dirty signal, no useful decode
17532/16351 kHz, 19-07, 0100/0110 UTC. Dirty signal, no useful decode
14428 kHz, 19-07, 0120 UTC.

18380 73977 32767 29778 50378 57312 67629 02346 41120 33651
77978 75004 97171 18599 30783 02305 64788 86000 83035 83040
82163 22889 25245 21505 04419 48205 43793 82968 99789 87474
63060 48101 40438 20629 53283 95991 36337 45157 15069 70475
85649 21780 76511 09455 40060 94830 63836 41883 08477 04526
31521 82122 47552 33323 62831 76350 12460 53549 76691 80699
66358 68478 01858 75828 71990 64063 04297 47604 13844 13493
78734 88584 24313 01770 40305 99991 12312 62500 77223 98856
17757 44071 50440 60030 40371 47412 51207 47747 16239 02530
52481 16421 40554 75997 15125 85373 59996 26584 34819 17173
83177 51223 40646 54268 82515 88500 81261 93625 86470 71840
59604 04025 84119 49594 02085 15727 92932 14215 73173 37195
60764 07684 71344 78547 01954 95418 67301 86441 90479 25804
70424 20065 58684 17566 34384 22934 75006 42165 37844 70178
99147 93393 01202 95996 38119 61368 25310 30986 51610 53104
63094 04009 80106 26861 60028 88308 94199 32444 24391 96549
88523 74651 13249 54463 68767 42048 45093 07802 05178 68269
75079 42283 51012 18019 93800 21197 49371 14975 35534 70395
76841 53765 06894 65314 97397 63221 71839 99743 24992 13087
53961 41027 18279 81366 41991 01360 55896 24513 09480 79905
65761 17631 84558 55387 06800 56885 30748 33862 26556 41311
24735 81355 43126 76195 42060 96050 24832 65240 86648 99706
66098 83671 25138 53015 82954 49500 11913 24562 76601 35112
15813 68088 38485 86379 84432 87749 95305 41474 06953 96038
17416 66584 61457 94078 39025 50706 57642 28970 63666 26705
97250 00000 00000 +++++ +++++

22936 kHz, 20-07, 0000 UTC. Wrong 1000Hz shift instead of 500Hz, good signal failed at 0002z and switched to dirty signal, damaged waveform, no useful decode
20331/17471 kHz, 20-07, 0010/0020 UTC. Dirty signal, wrong 1000Hz shift instead of 500Hz, damaged waveform, no useful decode
17532/16351 kHz, 20-07, 0100/0110 UTC. Dirty signal, damaged waveform, no useful decode
14428 kHz, 20-07, 0120 UTC. Dirty signal, wrong 1000Hz shift instead of 500Hz, damaged waveform, no decode

22936 kHz, 21-07, 0000 UTC. Dirty signal, no useful decode
20331 kHz, 21-07, 0010 UTC. Transmitter issues, only a few signal bursts
17471 kHz, 21-07, 0020 UTC. Dirty signal, no useful decode
17532/16351/14428 kHz, 21-07, 0100/0110/0120 UTC.

24246 65636 10436 78683 41194 85237 13502 73126 78005 37495
41888 80916 98122 03183 92210 23889 79438 90381 73016 60468
67577 69679 24524 03152 57024 48530 34170 14981 67262 20708
27646 83463 06121 51804 40103 95374 37519 86687 97229 60865
95793 89881 60873 60338 13789 54783 18902 12505 56910 42676
23993 87073 80321 37457 11033 10510 51471 27027 47821 38288
05139 47277 98760 92099 23195 49618 06221 85431 56243 77968
19269 85958 29359 66165 24449 88195 99080 91718 58303 94843
53879 46845 06311 30253 75250 12735 17951 34463 01653 47971
92555 11246 62464 27047 15661 28584 74139 89924 50525 95034
15764 88558 14518 60405 26196 41336 95052 14186 89972 31360
84766 80171 04170 09517 40613 30716 43414 88274 96583 69044
65224 37131 84717 53081 22869 15668 44104 59212 77934 05133
22564 09425 29788 24502 00690 10268 04118 41944 92936 77064
67750 17639 05458 41816 61919 38881 55354 68235 71178 33398
81050 22345 70151 71838 98464 72083 15295 95354 82662 14345
73876 29216 79698 52907 07337 68402 78309 75671 51245 46100
96165 04652 59014 21053 60355 17167 01580 44692 86800 61647
40221 93992 88283 16523 14713 80987 65767 65602 13999 74884
62721 88401 21571 97708 87102 88848 52745 79428 30715 10803

26013 83481 40614 13831 35674 38659 22249 07676 17914 38265
79033 68849 27531 92506 18024 87794 67499 45035 76409 20052
38547 89596 48477 39867 00938 47708 17761 19677 65657 93308
24056 83910 57170 35325 19973 10546 14956 94077 96742 78859
25997 32480 83942 86801 05411 27952 52830 86440 67416 95999
99250 00000 00000 +++++ +++++

22936 kHz, 22-07, 0000 UTC. Dirty signal, no useful decode
20331 kHz, 22-07, 0010 UTC. Dirty signal, no useful decode
20331 kHz, 22-07, 0020 UTC. No retuning after previous transmission
17471 kHz, 22-07, 0027 UTC. Dirty idle carrier spotted after F01 ended
20331 kHz, 22-07, 0100 UTC. Transmitter still up with no retuning, carrier out at 0109z
17532 kHz, 22-07, 0100 UTC. Dirty signal, no useful decode
16351 kHz, 22-07, 0110 UTC.
14428 kHz, 22-07, 0120 UTC.

Several transmissions in parallel again. It is becoming obvious that this facility has two or three different transmitters, whose use is not very rationalized - one of them with heavy distortion making F01 hardly decodable.

90122 33923 15294 14574 01065 48756 12225 23906 25317 28944
62802 99882 95139 00329 93863 39839 88014 79287 07192 27190
68451 00560 12404 64578 97486 83455 51717 66491 39530 84869
58813 22297 21276 12565 18955 65619 22345 97130 22576 11003
02350 46087 29506 43799 94080 28539 86028 74215 17490 63844
61963 91455 94158 12724 99947 78900 66949 94244 94120 76262
54512 77122 40383 99645 95347 18781 25432 55454 61107 50594
46746 09091 43818 32770 80723 94373 46719 27288 41144 74611
33407 62346 95155 91281 14955 86756 28967 61241 79723 37702
80432 08409 95524 70328 80722 40858 38837 22579 72262 09262
30768 13724 95124 07614 84425 00016 59071 02179 93424 35919
43425 99606 16173 14334 91961 90132 35661 84266 95004 26821
99419 69381 75922 26783 69342 35862 24203 05298 36060 83030
42295 78787 77553 55159 98410 97572 66690 97909 02476 94352
57377 07839 47402 59347 04009 48406 82886 78035 93912 30927
13919 92425 97461 83901 41177 71804 65553 59160 85510 03891
29142 48265 63691 42340 80506 07603 07620 71534 40942 15600
44178 74591 44571 10515 77914 15538 92946 82227 43748 71579
60155 16471 21878 76401 53083 14939 32089 60451 56556 39722
49642 99122 18023 55480 09926 04789 51479 67819 94075 23627
65322 81295 12729 23158 43812 25478 30117 81449 36832 22525
95676 13917 37649 94693 75364 98658 53335 35237 99869 86268
97564 91109 71907 05046 60452 30931 99784 97567 35137 96638
49416 49542 05786 62271 31993 96875 26719 48322 69476 21912
47322 65085 05116 74761 62465 83455 51173 80670 93077 56599
91037 19359 26603 40949 77930 87271 71995 89938 97367 78672
08958 18949 85593 01263 00000 00000 +++++

22936 kHz, 23-07, 0000 UTC. Dirty signal, no useful decode
20331 kHz, 23-07, 0010 UTC. Dirty signal, no useful decode
17471 kHz, 23-07, 0020 UTC. Dirty signal, no useful decode. Off at 0021z and back again
17532 kHz, 23-07, 0100 UTC. Dirty signal, no useful decode
16351 kHz, 23-07, 0110 UTC. Dirty signal, no useful decode. Off 17 0122z
14428 kHz, 23-07, 0120 UTC.

58467 94422 80546 23980 35604 43001 36239 58142 43411 59491
68375 79263 11265 10289 81468 47572 03661 09640 80608 32837
66004 42363 53834 69955 21289 40971 26471 74397 66078 59366
98382 72207 39261 10313 00064 24238 61976 58863 28527 49317
72183 88927 48907 76021 02289 85177 72724 77752 73286 97471
48751 70805 03828 79980 27407 80105 57677 22212 84630 02315
77987 14120 16162 20989 81822 12479 38168 53465 13371 00715
55159 34188 79295 59384 81126 64135 14646 89483 24836 81057
52769 55778 75221 30193 97671 42336 47818 40170 22254 37461

78164 33765 40862 90204 73110 28215 29595 05646 55979 04765
92802 71132 66515 52146 99209 30665 01548 13662 36116 49611
07321 92580 55084 36939 59419 95508 07585 17163 91227 18448
94011 69177 56865 05211 74514 74178 39528 32887 15087 39848
41181 04053 67348 93003 14535 50396 05449 57884 23242 77470
68542 62275 41262 05231 82270 38646 27311 84074 57675 12504
35358 91049 91003 95131 47088 35926 12818 22915 37278 31820
59867 10437 08019 10056 68150 09530 52721 83956 10598 91469
35848 91240 27832 94505 99303 69727 25429 03907 31423 46025
36114 56718 59493 41900 70345 88407 51750 27999 03710 63599
39787 79638 74569 58073 97301 14316 90409 84223 36141 15655
66303 77160 05562 73466 43952 83643 05651 94603 64723 21038
50843 64307 95135 98472 44480 62733 28218 17401 50332 66330
09190 93728 72040 88783 58887 68731 76398 41185 93392 00911
21423 16135 63278 56008 75147 25455 60933 37342 36074 46204
69379 23669 91225 54680 51036 06752 72729 53098 99862 45820
98876 18631 05321 81113 10591 29505 01579 73697 39243 47829
00425 63729 02262 00000 00000 +++++ +++++

22936 kHz, 26-07, 0000 UTC.

20331 kHz, 26-07, 0010 UTC. Dirty signal, little useful decode

17471 kHz, 26-07, 0020 UTC.

17532 kHz, 26-07, 0100 UTC. Transmitter issues, only a few signal bursts in the first minute

16351 kHz, 26-07, 0110 UTC.

14428 kHz, 26-07, 0120 UTC.

91709 16169 44218 28397 69766 07996 26208 28310 97546 80076
12961 96059 17458 41596 11118 43445 56437 41949 16263 66430
59506 07309 39504 96794 41801 69472 95477 60924 76230 72943
81470 94151 58974 71157 02340 84116 20001 47819 20922 41559
70791 24270 38616 21988 06454 38822 35835 46678 04427 09015
27001 96409 86947 12705 09785 76404 39477 48958 13267 75892
02276 64646 74715 70737 77298 57716 99662 42576 17626 93053
84967 12893 91589 91876 09560 15472 38796 80615 22544 55672
60234 10183 83353 29953 09649 81610 33644 04084 78378 38961
05612 73499 90826 15461 96426 54203 52774 43803 63468 77689
19710 66535 20041 88295 77361 07494 36278 66441 51632 90204
74895 26180 90105 14192 16511 60504 82335 25145 54185 32847
11080 39858 61902 38204 51685 11898 66659 82329 61806 48935
78851 52432 28632 17668 60653 77813 65839 97281 37068 03888
77418 67382 79352 28010 30601 41343 15474 70572 05042 80992
47323 79772 10469 53591 79345 93530 89967 17031 88283 06959
51109 44196 88721 18842 92086 22416 74124 55555 15066 88960
38043 95864 43927 88504 05188 45040 88593 63498 27056 31725
23119 13398 21787 25999 69746 83662 62957 02064 06100 70496
46978 93997 37712 52228 93797 18022 03078 83305 60590 59693
03399 11817 73124 49490 74242 06488 04491 75205 41268 04084
55883 04597 27228 13169 19116 16731 02427 35140 25567 65451
95821 88492 11239 23414 08958 47238 52612 80133 99922 29426
52996 92460 29507 96697 84048 10943 86759 50812 12161 30506
36122 38086 64396 38881 53343 97676 13664 61232 42335 14651
87817 24404 50185 63781 32371 89238 22499 54995 81511 24405
66254 16430 17103 20153 12374 76011 20364 65464 95186 27520
45910 37003 90966 92056 72845 73336 82750 10854 12597 32832
43609 30386 78162 58694 55556 65685 44493 99565 06301 52832
54652 59123 31013 26530 51480 73130 91293 83731 39431 37358
08545 19218 06263 34822 93922 44107 59295 35781 42050 23197
55891 68918 80699 92099 32870 03315 00000 00000 +++++ +++++
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22936/20331/17471 kHz, 27-07, 0000/0010/0020 UTC. Dirty signal, no useful decode
17532/16351 kHz, 27-07, 0000/0110 UTC. Dirty signal, no useful decode
14428 kHz, 27-07, 0120 UTC

.
33249 15987 18964 55589 49013 00936 69856 48362 92213 52193
01244 44907 43597 05432 14166 68863 88517 97833 25621 25603
30773 08031 01980 88070 15522 39043 19454 17866 28475 82973
31302 20025 63539 27980 46459 94928 76106 93479 49286 55773
64176 04503 15111 25057 44496 41154 01264 08489 15912 24102
18288 69796 27110 22042 11013 14836 90939 92076 04174 38462
12514 88931 92282 92588 23251 03969 78404 98879 38082 19913
91569 54500 77970 92240 37466 04382 24963 93175 62137 78416
01944 79202 33344 17044 94283 68071 69293 33642 55571 36195
69421 87181 64614 72413 26910 63563 25896 49019 27630 89092
30679 96032 65198 24512 20939 89612 26841 13045 23317 90583
29733 80879 45283 93983 12524 13524 50691 75597 11723 56490
56913 46388 77635 13721 20753 50787 09538 42214 05300 69759
14776 66276 44949 14601 21481 59837 50733 22389 99581 70273
23186 89031 69809 82174 64911 00856 05376 44479 10040 50664
56012 09442 12777 49205 49067 56836 62214 67986 47331 01869
15601 74380 68298 10205 67257 44942 94534 68570 95320 67899
29845 84356 53515 70732 80939 12661 00123 33789 69260 34214
81351 75875 02688 32621 11284 22759 61780 44348 15600 94508
80268 79916 31250 72635 24465 39713 79280 32941 01291 72867
52980 55039 49602 52643 88559 44464 94506 66759 10525 28319
69352 46095 68958 10400 35086 80214 10869 96723 51651 93138
52819 27410 81139 77811 47010 75139 27354 12699 58008 01048
41493 08946 92302 64265 48634 61548 47885 45965 74707 02994
76037 21543 78636 82551 72508 89966 19357 20474 40280 52339
12370 09153 91096 90311 55548 61067 77957 96873 28858 26123
75744 48273 97697 27088 52192 27596 74538 86547 96374 35939
18552 43791 96890 52121 77911 85073 86958 26868 04463 35708
98577 22405 95436 87397 92970 33397 41909 59263 59479 50176
88681 16008 00102 50190 35273 91634 41865 28612 32721 92180
44219 04048 55861 75879 93631 60274 55788 34218 02581 09960
22178 22295 55133 91283 10166 11943 66288 33411 11451 66038
47277 51751 74341 57439 94008 58935 02402 80993 40851 02460
86403 32047 46926 64919 49270 49891 07115 87788 08689 49599
04957 04659 87091 90668 49633 94900 23684 55921 64212 93663
68213 39095 17363 19166 61167 64565 15704 04357 00000 00000
+++++ +++++ +++++

22936/20331/17471 kHz, 28-07, 0000/0010/0020 UTC. Dirty signal, no useful decode
17532/16351 kHz, 28-07, 0000/0110 UTC. Dirty signal, no useful decode
14428 kHz, 28-07, 0120 UTC

07599 80761 51724 07708 95594 09793 57884 17240 05526 14475
71746 20352 97797 97975 92817 07909 68370 23663 29810 57828
53586 82019 53960 95404 00491 86166 95405 68956 13840 50695
56070 08004 15722 33475 37492 56146 78700 45149 07025 95836
18436 55990 50863 07240 56717 54801 87315 28354 90839 39559
38769 08597 30270 44489 85788 73032 86533 33240 51777 39430
27257 12873 91640 55341 30317 48330 82895 47389 99016 82080
42655 99946 24240 88636 18935 05400 04512 18606 29701 93178
59910 12001 48128 49747 00759 85456 57469 86738 37047 23074
24001 99415 39506 25556 61469 82661 88284 97336 85480 56669
70163 76386 81266 99526 10231 36375 33271 88890 48984 15892
89981 19919 00767 54402 62466 91668 54493 39627 80025 79136
02604 96036 51418 33130 09167 69149 05094 75158 53090 85315
06856 79530 07362 91675 78413 59849 40263 05981 65247 02086
49496 30974 27227 11424 65153 12993 50422 65060 82477 49516
03542 88154 10341 75308 87437 95102 46385 81875 51117 63336
14761 49902 72693 31831 27397 99372 28711 41497 54754 87042

22936 kHz, 30-07, 0000 UTC. Dirty signal, no useful decode
20331 kHz, 30-07, 0010 UTC. Dirty signal, little useful decode
17471 kHz, 30-07, 0020 UTC. Dirty signal, no useful decode
17532 kHz, 30-07, 0100 UTC. Dirty signal, no useful decode
16351 kHz, 30-07, 0110 UTC. Dirty signal, no useful decode
14428 kHz, 30-07, 0120 UTC.

48093 95642 92359 37890 35852 05079 12564 03155 79004 83005
03155 11573 51827 67868 66683 02532 59440 01171 65131 33284
99793 06128 56943 82841 76914 22676 15795 64572 57615 99757
35783 70917 88847 50832 52739 98681 17883 23549 36333 28320
82522 19517 32671 55671 63501 25110 62068 99571 16300 99240
01684 33778 24525 09049 07706 16653 42074 09441 56779 17036
16244 27401 11352 59745 08990 37043 38642 39144 58518 36309
37901 74218 48396 61267 55664 03583 76368 98952 93684 43879
40066 84674 39217 59981 81805 94730 72369 20460 59648 70479
30175 36735 36921 34687 32106 09360 07385 86101 96687 29870
98223 83190 03926 11639 18070 52969 83207 48166 42220 85869
31393 22260 52259 02578 90757 14519 72256 03787 41498 84580
68734 38790 88460 23557 06600 53868 46811 01097 78209 06392
56307 55915 47778 59588 78877 00431 78297 65902 59183 46342
33165 83894 52865 60578 69713 74618 52142 14076 66812 28390
63468 88398 53745 73928 16927 41457 32541 58761 12049 55354
10955 82864 29744 14797 88273 96458 65038 89509 61147 97902
60290 19094 41622 92625 43590 23766 04575 99024 02021 89402
06723 12281 44469 00358 44404 62017 33676 18449 42322 24745
92208 31594 90422 77029 12055 20497 71113 00320 22505 16851
44000 73375 96035 51469 80323 13222 96863 15813 64302 50591
01855 85311 03546 50759 48502 77964 15749 15739 89623 46610
8382_ 28759 59498 28337 96726 26961 81106 99458 18014 13255
69183 09493 49548 43282 08743 92576 82313 48406 13797 79773
51665 80671 95920 60677 39156 90686 97381 67791 88127 74338
68498 82081 25266 49308 93931 83169 05299 47294 97582 92587
21004 32906 80794 83535 45797 85151 73545 55987 00949 02462
03314 97764 64748 17184 11305 88436 65736 30489 70733 05468
27202 03625 86840 45065 55143 66458 83340 72739 86866 29230
04975 54851 42424 08481 90871 44145 46066 03073 98390 17736
09899 81237 82150 90966 96947 64607 57907 55588 05786 20154
05996 15691 43946 95968 94003 19826 82287 61836 23367 12758
07495 40527 29591 55281 14930 40749 90758 85545 08984 27697
24037 20317 03147 92141 74854 19619 36971 03985 28441 63199
52113 61231 98421 12217 94647 70301 72151 54692 35836 18635
17464 57997 28544 25511 80547 76971 41486 82040 29614 91026
38493 16239 24057 68691 94985 44147 13787 83028 68840 92921
98429 26381 67842 06836 01075 97865 80904 72121 36264 62054
65241 21606 76900 02292 06692 05068 49778 17076 95371 36250
14409 32939 83850 52474 04835 32279 20022 47788 39121 19560
71888 65585 26212 74334 86408 61641 24832 64519 49629 73484
34131 18364 40265 57066 20755 78541 93926 76646 07418 00000
00000 +++++ +++++

Link 00052

15634/13596/11466 kHz, 14-07/15-07, 0800/0810/0820 UTC

11166 00052 36921 14088 01769
 65501 61389 94643 67234 72918 95787 11310 64450 36120 09991
 65707 32935 03919 16217 05234 16195 66626 53092 62839 53077
 08893 21582 30431 13547 07679 17111 13242 39266 23798 81319
 82334 74878 02129 21878 67442 00967 80129 73809 57333 04602
 84343 00756 99872 48429 19572 59616 18988 24225 80421 77007
 90709 01870 39893 10979 45488 09658 94713 96410 88958 06905
 72094 97554 58363 34765 27598 16126 56791 56223 88809 28412
 32448 21171 24500 49813 95129 17524 43954 50271 87087 94314
 56172 69002 50482 67688 43620 01999 58600 45754 30213 60706
 03032 33216 48230 25346 53991 01724 33840 41289 35970 36898
 05929 31945 85910 97934 07915 26585 86084 50755 17238 26549
 88865 60630 52216 58264 75590 55208 30951 86523 16680 93894
 61966 86449 25224 04516 71283 97591 21207 73204 95597 08586
 48570 98447 96268 45823 12289 45232 73782 64554 27657 60219
 87408 65878 98968 33903 09704 88041 69783 20668 70574 45499
 11951 52700 70577 14157 45610 08684 68146 86252 07313 23217
 70429 43297 08495 47891 82424 20522 51462 99964 94114 61267
 95078 59576 10267 84750 88174 00000

15634/13596/11466 kHz, 28-07/29-07, 0800/0810/0820 UTC

11166 00052 45879 28089 01869
 57093 65293 29855 76533 84682 01193 97441 46631 36120 39312
 95831 89547 83957 61356 81075 98201 76029 48832 69567 73881
 08705 24521 14166 50578 75459 48353 52282 79190 24983 09852
 36878 26262 73677 84353 86315 66979 89337 45188 13990 77078
 69468 48993 23683 53373 62664 36376 81577 17582 06495 15078
 00875 83140 80327 17860 99939 89697 96539 52271 19920 34966
 78529 84511 12780 58627 99001 24554 35680 57976 76925 04724
 12637 39991 56634 68934 49414 39512 17489 14738 12564 58229
 87538 55412 08576 04151 59633 94237 24055 36251 33406 28186
 12873 43982 31577 23178 41230 16332 64010 28116 26568 80128
 37960 19877 31261 12261 37949 96436 97037 55521 23711 60347
 31053 92740 19638 59713 79571 58922 94166 78886 50172 96037
 52550 96055 68434 80200 91436 49909 80029 75877 88710 82579
 34163 96849 27020 51033 09303 78592 74436 24116 67126 91767
 70675 07420 45627 51523 92331 63174 27327 02276 95537 17352
 43514 82668 59526 71151 00460 00396 79482 59079 38539 71577
 82171 20791 60210 04369 62745 78896 87766 31502 66180 39900
 36817 21434 61788 60483 16430 22798 84219 46302 91868 21846
 39418 75490 70865 23589 89184 00000

Link 10053

19466/16189/13576 kHz, 04-07, 1530/1540/1550 UTC

11166 10053 78541 04001 00049 00000 00000 00000 00000

19466/16189/13576 kHz, 11-07, 1530/1540/1550 UTC

11166 10053 47823 11001 00049 00000 00000 00000 00000

19466/16189/13576 kHz, 18-07, 1530/1540/1550 UTC

11166 10053 48625 18001 00049 00000 00000 00000 00000

19466/16189/13576 kHz, 25-07, 1530/1540/1550 UTC

11166 10053 15973 25001 00049 00000 00000 00000 00000

19535/16348/13588 kHz, 06-07, 1650/1700/1710 UTC

11166 10053 15963 06001 00049 00000 00000 00000 00000

19535/16348/13588 kHz, 13-07, 1650/1700/1710 UTC
11166 10053 79462 13001 00049 00000 00000 00000 00000

19535/16348/13588 kHz, 20-07, 1650/1700/1710 UTC
11166 10053 45689 20021 00049 00000 00000 00000 00000

19535/16348/13588 kHz, 27-07, 1650/1700/1710 UTC
11166 10053 78523 27001 00049 00000 00000 00000 00000

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|------------|
| Link 40122 |
|------------|

17419/15707/13446 kHz, 07-07/08-07, 0600/0610/0620 UTC
11166 40122 56981 03054 04949
30271 06109 26290 59138 42961 84437 50831 38791 88372 59239
23606 96809 50656 38932 00076 52273 09073 14139 79895 11243
07863 50758 91085 81375 98084 42925 73523 83126 62363 80501
35187 24720 58490 10815 79589 33073 42803 99323 27844 57867
59295 18892 83793 90953 05375 22365 15648 68272 10235 78136
52555 46484 86744 73388 19563 71495 42827 14695 59381 81061
63234 80678 14417 08666 97678 06404 67481 80850 16248 04194
64642 25192 18040 50565 68634 31116 03957 93960 16271 30721
49605 62968 78307 91815 39222 79721 45173 40350 46576 08161
87024 54428 73781 91840 61553 97088 83957 60979 67980 80044
88673 13441 70688 75567 76117 99315 40908 18702 90920 63813
89922 67001 01589 28142 92198 09970 16456 13058 21910 45398
34126 34787 51266 64786 39307 27987 84104 15024 80010 75457
23165 28544 87021 49269 94503 39107 21602 93010 77459 25426
62348 99831 13640 49804 67146 65980 93337 83989 71168 24508
42825 39411 06830 88846 60979 44008 56673 60933 78639 32822
75081 83564 39175 44549 39794 41696 23674 41239 19130 42332
69193 93316 65883 27737 53525 97137 73808 01617 44894 17234
57643 72994 40037 70472 42607 47429 39101 94279 74304 20304
30791 66144 84980 51843 86213 66574 77057 28551 84847 02703
09900 40774 21079 34718 00733 31060 64742 72317 75661 92999
74104 33371 31728 25253 84725 81977 95935 70432 22632 88097
92188 93540 15254 75964 52076 79644 98544 53444 30441 55475
43734 39551 11674 64642 52145 32281 17665 51147 91515 83974
53358 30887 72264 76383 50832 55832 87130 12636 97858 00570
62633 68272 61877 25893 95785 68569 45303 99134 74497 84297
33134 75924 05108 63148 18774 73054 95486 38973 19013 87155
67135 86051 14114 38850 94731 10566 73928 47093 96556 96466
55982 63365 24229 47927 86482 20425 25206 95557 60156 75292
76460 58585 19892 51165 12804 80172 02087 07944 98259 78073
58669 96055 13952 77804 91704 73274 60929 20524 61550 89208
01371 62805 54473 67157 86607 10496 20679 38014 45396 53842
18694 05908 30887 96068 27029 50278 49719 92611 09062 94051
21681 43173 42090 92629 43378 03801 46469 23356 54339 11178
75796 80165 29003 36296 54061 03097 43018 09727 70704 97347
87302 85645 69536 21584 28293 36826 92423 50154 37815 97769
63710 38936 41033 98175 26296 49474 55891 53921 65311 11105
22510 07759 80326 25762 45943 36899 92038 45143 00772 69679
94360 74929 70932 78505 87867 85735 23255 41243 55518 35498
38114 88260 66605 32965 45657 77296 19868 96995 41030 63358
61693 91341 77048 55813 40361 39608 57747 79884 82260 50074
81243 84727 01010 05071 05355 65271 75432 94591 34414 90022
57315 98826 50702 52011 94883 49319 38961 85066 82949 23415
77394 12618 75642 51702 93627 21196 22686 43127 09032 75836
15145 57475 19870 19555 51576 79900 88702 24104 60539 77192
44471 84176 40380 40470 14727 72262 02245 43993 38411 96325
27248 74764 32649 27517 73749 12632 11981 90077 95648 65555
83474 30649 57671 89747 66151 09159 58548 49356 08170 78477
98058 95390 00194 45031 48842 68570 08399 27565 18948 55792
75539 56228 54492 00000

17419/15707/13446 kHz, 14-07/15-07, 0600/0610/0620 UTC

11166 40122 57938 10055 02979
43474 94165 44699 31394 03301 21419 62084 26565 33553 10602
27205 96130 40944 44088 70934 64554 73243 63040 85695 01927
95831 43950 76866 24774 14450 06125 68982 70776 67576 67317
52646 77109 36869 89696 83111 17085 49110 83332 66456 74776
68100 59382 94290 62321 99921 50185 12948 09594 60020 38424
38070 80913 75550 62568 50552 98510 21395 90768 34770 77398
13331 80392 45027 01377 06748 65402 11164 94820 74380 38743
19267 69968 61477 21940 28406 54379 41848 39095 09355 28258
23227 37457 16211 26328 75397 21772 26870 83942 79497 94578
13284 32123 21959 19657 27439 71211 81516 50810 14000 77821
82713 93154 85543 24776 14356 89131 21335 18728 36340 46400
75571 85136 23300 49825 06043 55297 18506 24722 59127 35112
96459 43568 72088 60279 57609 93352 78581 67608 03643 45762
28325 37119 66771 97386 56875 84644 91468 72125 66423 09603
92077 02998 03580 27628 34738 35525 45054 42760 17071 19893
27197 38871 44047 84062 80314 95009 23494 05029 53715 54372
29658 20412 42410 01560 08282 47568 51414 27835 21613 02406
58583 89052 56801 35095 61920 85943 46104 24867 22295 21468
72348 01072 37509 14885 58087 82700 08651 77268 61884 53552
84663 78122 30155 15227 96084 57800 78031 85143 13875 65418
97647 31765 94285 26937 17317 64213 95698 73110 60021 18473
78377 81984 74658 07357 23062 15633 38471 26433 29352 55823
54115 33099 79814 68289 89790 40983 80744 50311 35873 96865
15534 41278 76493 32310 71564 00931 99488 07187 26583 84964
93178 87278 05478 72686 03385 23159 43412 26405 49150 22522
16234 87252 20587 33160 24115 37118 07282 78775 39345 81376
30720 14805 54230 32113 79134 96461 90018 96519 68248 76160
52803 00157 76324 72532 47334 99762 26971 78204 84680 65303
18141 98544 44675 35950 20758 38537 79076 79664 95409 80004
66406 11090 00547 16341 54367 55295 00000

11166 40122 16924 10056 02879
27587 78593 49150 80148 54271 85792 99245 27215 02925 47529
59551 83245 37519 02388 91615 74119 53151 29344 82773 73795
81018 66388 08009 57359 72394 24166 66907 29552 60051 86823
56650 33487 20558 17257 66981 69215 85892 08933 08076 76856
77815 51481 07269 63957 63426 02253 35559 81776 55353 81009
49842 80194 05013 29956 61797 95905 62362 06286 69378 53614
00607 99434 11836 84899 29278 90234 34212 94444 44126 94137
72249 28315 87275 55722 93640 23980 16064 86652 56572 46753
04012 64272 71480 42354 22361 33048 76978 60260 75614 76017
65869 27562 89518 48455 22209 77975 74926 90920 55323 65735
15972 63904 41754 19029 56001 71228 11039 12667 79698 64412
36283 64690 14837 45185 15451 86579 02094 08318 54320 41770
06377 91993 87033 92154 68083 27866 95179 37263 17746 08026
11358 75801 02491 11044 18141 44249 97747 54284 78396 12184
02657 64672 57882 39043 42601 85112 26076 21992 27305 58733
46155 89592 37938 58154 90082 20965 41658 51961 39720 95122
57040 25570 59920 00167 18808 98678 54523 57040 15336 06490
41208 37508 97329 36881 06123 81078 81141 40731 24242 40520
95150 57571 56377 10696 42649 23757 58796 20376 79666 55349
66366 91727 31175 22886 35177 97168 94110 60243 55574 68278
00649 74756 71532 36431 40169 50802 67322 09875 63354 64032
07398 16909 16848 48424 40443 69865 81923 83368 03512 29586
15591 92947 87212 75064 17581 74621 47860 07958 71648 99485
77533 46652 34630 51308 67989 89554 71690 96512 29357 52326
61200 02317 49555 08714 17678 45196 05371 89694 06238 76869
61131 20603 46978 39991 15922 00931 32748 50734 85260 56496
08733 90466 28201 18664 87286 73681 55763 10296 96470 84398
81669 43135 85702 98199 01288 56303 36985 32103 09743 50592
55131 89453 95120 98248 35438 56285 00000

17419/15707/13446 kHz, 21-07, 0600/0610/0620 UTC
11166 40122 25174 21069 00049 00000 00000 00000 00000

17419/15707/13446 kHz, 28-07/29-07, 0600/0610/0620 UTC
11166 40122 61574 24057 03069
22245 41197 28619 59104 53947 42802 98086 43655 12656 65619
06098 91126 76048 57582 65045 02126 15399 91252 93669 25031
20917 34251 87959 04204 11552 42047 03853 87281 40214 27803
25203 58742 30343 88954 15433 91923 04753 95216 76316 36687
92709 67703 62328 84917 26167 03852 24000 81034 61094 27824
78708 69723 84848 71100 32357 98044 95508 12919 00359 14141
64127 35281 01386 29701 15830 72186 22301 38391 90695 57793
77722 07423 70362 03198 12657 84455 81292 56508 21631 87021
10637 25915 82769 66657 95631 70425 30247 64921 72469 87970
13565 03505 95581 55562 17070 75608 63263 01185 38176 30771
10593 12113 47705 70351 55564 09345 80803 95831 09384 42836
31854 77155 86866 87221 51837 33252 77862 42712 71561 41978
65665 70851 99220 21621 03314 19835 65700 51187 83763 19053
16073 21639 64822 47566 70722 35275 34826 06201 04547 95451
29958 47929 17644 53814 39183 46254 95956 07240 57701 06259
85289 61673 74886 48025 27138 05049 07626 17101 29784 56475
15013 01705 73068 83881 55325 61359 70299 07310 71221 96635
35732 30031 14098 14696 31039 64692 43552 70333 89238 46664
62869 87177 39486 51778 76489 88766 81191 60661 80379 94173
80891 36820 21259 57870 90303 10702 85605 58509 09021 86881
04386 66329 40263 16598 84446 43856 13141 02796 02501 59594
69853 29882 22652 19390 41268 35377 23391 45161 59318 65643
45000 55680 79654 82885 93307 29089 12981 15611 60727 51844
88533 69730 50519 83775 98109 42494 15211 93943 94113 06441
45118 46984 40035 55563 67896 44633 36815 30865 45071 52111
73517 67491 76475 64058 75767 30643 48531 89713 50366 32435
87320 62007 49549 46909 02383 00281 03302 65373 32161 81301
93181 59258 27056 98260 66080 42690 31011 12455 11368 51951
47573 27327 49851 84017 01357 39561 07988 61381 30861 46910
75785 15314 73576 17452 71840 04783 29300 49964 63933 13202
12626 80089 18635 90191 57304 00000

Link 60070

11619/10524/9389 kHz, 13-07, 0030/0040/0050 UTC
11166 60070 45623 13001 00049 00000 00000 00000 00000

11619/10524/9389 kHz, 27-07, 0030/0040/0050 UTC
60070 79156 27001 00049 00000 00000 00000 00000

Link 60146

PACIFIC REPORT

13370/11538/10614 kHz, 01-07, 0200/0210/0220 UTC
11563/10216/9417 kHz, 01-07, 0300/0310/0320 UTC
0200 UTC: Dirty signal, abrupt signal failure at 0206z
0220 UTC: Dirty signal, no useful decode

11166 60146 00000 01085 02599
86012 59038 62858 55730 15433 48111 94547 28131 58833 30193
20897 92191 03899 95250 24421 98939 73029 66584 53144 21091
67766 16720 68787 37734 10974 72061 38805 38258 85210 98509
33200 50199 90735 85218 12072 20706 71570 68685 14817 06306
83077 64361 86927 50655 99468 97968 05333 54966 84697 53713
88200 70803 75172 81575 00162 69922 47716 30878 88871 70853
71219 02301 13864 26905 65424 35550 53624 05286 15277 74853
01825 12024 14274 79476 88653 42377 35264 71445 88186 61419
52117 37667 97719 44482 60716 28626 00027 32162 72702 20855

44451 79549 80406 35365 07791 04399 16416 29210 20901 63899
56206 02395 71965 14754 37272 87294 22352 36245 93206 12789
96015 20974 26155 60280 28368 62966 66086 53805 85557 97828
90315 51406 90102 74637 01726 29967 13796 64260 89108 80688
23852 33791 18078 57399 93195 41780 25986 44884 10861 33953
19281 39418 53417 44115 96741 58699 03374 29906 47030 23362
25493 98112 93999 77253 36945 99218 88191 38681 32259 95881
67961 99786 48988 35018 38672 16272 85034 78196 43392 54624
03583 70011 23533 89063 86551 49142 92866 65382 22532 31762
73360 73854 40132 22014 66262 98434 22663 29210 56882 34396
65120 96466 76497 91621 59382 70447 69832 25729 18564 66911
41528 64208 76482 11743 80071 19773 23141 62164 82585 08100
62196 37810 28952 12158 01338 16347 78673 60298 11501 73339
88936 10312 15884 71032 77303 56618 94670 25762 77464 02799
16428 08645 61496 66642 32086 59280 27068 09900 92468 17107
73015 09936 75284 00138 11742 15455 32535 85739 91864 53507
94267 73146 29559 79942 89614 32410 72026 85257 00000

13370/11538/10614 kHz, 02-07, 0200/0210/0220 UTC

11563/10216/9417 kHz, 02-07, 0300/0310/0320 UTC

0210 and 0220 UTC: Not monitored

11166 60146 00000 02086 02609
54698 01419 44430 86440 55806 46870 86765 51160 32804 39777
95480 38580 03850 38483 75053 09921 44269 40688 94337 86198
17803 33426 05169 84956 79036 98983 40741 55930 70470 93977
79712 45322 62649 43753 86975 43381 10792 19311 67013 94965
26372 88931 90802 77783 87072 61705 82182 78001 33554 65134
74636 17892 26484 24009 74420 15236 62249 32744 90976 79132
70804 38350 20571 71939 44081 76246 94086 91999 68406 26092
24924 56868 59360 79816 17923 91707 22507 39053 25272 52543
88453 84151 60315 39085 95651 81959 05216 76766 19399 24562
73397 72727 70462 16163 12716 75397 11775 50303 60283 92391
66627 44596 84899 46380 16815 25165 78003 73648 14145 77985
79115 95010 53777 09302 46675 13778 82811 82314 10237 20465
42561 22326 64942 08919 67968 07532 94220 33568 92573 87639
31647 62465 32494 97513 97903 05822 47845 58020 73764 24719
05041 81272 95065 49678 88401 22456 80578 63786 34533 45422
28731 30058 87877 94237 44116 67723 00908 87883 79721 07130
27383 80284 05822 77939 82104 52851 41463 10328 65622 31740
09492 53842 77310 46998 01042 43633 65263 75800 60450 68736
86449 36944 26505 22088 75549 28808 90983 36973 45928 27958
60417 39577 71171 90578 32013 72348 20626 23926 19669 67845
47381 19993 91031 77752 52134 68559 01524 86774 71362 91832
36279 66065 63256 67854 95929 45907 89843 34864 87173 12308
18741 93807 04070 57216 92969 51175 10991 37037 42281 69369
63171 19133 34417 16762 25794 21000 89753 34663 77552 71816
07759 63362 09614 51027 78708 94440 55938 83680 79086 41544
15877 97182 74117 46796 55002 69166 75871 65042 86258 00000

13370/11538/10614 kHz, 03-07, 0200/0210/0220 UTC

11563/10216/9417 kHz, 03-07, 0300/0310/0320 UTC

11166 60146 00000 05087 02669
56144 61385 28762 34594 49060 75670 43926 05201 56380 85576
69250 57171 74926 31434 62509 35027 80496 33222 03557 12811
92212 06067 40557 69014 65879 20757 61314 86980 14774 01467
50647 85492 81321 77877 19720 09220 08085 33871 18297 33718
81507 20006 65839 64665 46852 21939 62387 36025 17761 01998
65164 36824 28888 56086 41844 21226 05034 53105 36413 81598
45220 49078 08568 89254 45148 93185 32588 32556 06465 67858
66615 07069 06292 30165 28281 37456 25441 46637 37625 35798
58757 38748 13226 26022 56036 81227 32502 89139 66934 20380

92103 08964 88329 04632 29343 23010 37554 44454 90596 08254
99951 43878 57618 56443 24179 70776 67696 18648 63707 58103
88601 23736 87946 53276 34254 00460 11439 57891 32050 57849
14559 24963 77787 03586 54147 05860 39131 05057 87531 64143
93537 22775 58356 98491 11606 70841 17676 41879 21767 84155
78729 29227 17258 97044 28850 50695 91321 63007 46939 32796
11569 70264 99945 14546 69431 32786 16784 10805 65655 61506
63133 80024 17766 45394 65553 38570 00443 97077 58352 88819
54739 42707 51647 53209 27096 60740 44054 31433 24066 99345
28442 22971 93703 27104 64194 82134 69560 96698 14409 97825
38200 26281 71476 15179 16200 28199 19479 41300 47552 39779
06840 02261 57422 35843 27663 43561 23184 27653 35206 91228
48684 77967 35916 15755 52660 86901 37470 66047 07264 28272
49257 65591 87613 41118 58740 88004 18319 06090 32134 54178
27923 61384 12835 18177 47185 37917 16043 34110 12150 18425
43018 21136 57938 50180 63392 68804 14208 66002 38998 49913
38195 93262 87625 33083 46303 55564 10168 12210 30165 96778
29580 95013 68105 82144 87264 00000

13370/11538/10614 kHz, 06-07, 0200/0210/0220 UTC. Inverted FSK
11563/10216/9417 kHz, 06-07, 0300/0310/0320 UTC. Inverted FSK

11166 60146 00000 06088 02679
85049 81864 18560 83820 37404 58658 41197 08215 04786 69393
97896 76269 15020 06205 89351 66526 11180 11285 35674 00315
78797 81706 44281 99951 30602 61854 15774 36878 40961 84379
92492 93176 47217 45637 79429 84905 60106 26530 92202 20686
50446 94696 11755 93981 04282 48989 50488 32508 63675 92172
59512 53202 95326 42785 31682 96207 54216 22093 80141 36287
34455 77082 97023 95125 24522 25425 22031 02947 09095 33352
75554 82875 84641 62378 36039 56503 80971 45807 66270 94078
05935 80963 18273 57757 55445 48081 71516 11364 56032 91794
84104 95097 32094 26158 61638 88605 15047 49144 73449 10881
36554 77548 70878 30416 73032 38246 87291 84038 33603 76726
24527 27887 08699 68855 55450 68946 21495 46801 97315 50587
49367 75047 35609 90546 07549 37453 03073 94795 12187 21275
43587 95708 64982 09109 15615 88001 26594 14672 14864 60850
71001 23374 20900 49643 38018 23611 97350 55802 26129 39713
00426 08101 92850 02504 75415 63929 54800 18377 45874 73936
04652 22860 25156 58491 87189 29581 05013 69390 01611 10588
00923 35267 22304 68942 58845 14121 55258 89551 53093 01418
72314 79149 30004 67195 90427 31377 77095 20604 88142 77901
22404 25334 76462 11504 93680 14354 66297 92079 92138 77402
99684 71488 60445 19680 36963 98182 49629 15155 17097 87565
14609 02949 33329 69004 93020 00221 91350 45445 47033 29992
42183 26562 72836 87353 06952 21374 07498 92481 35742 01280
87867 03920 67725 69433 41222 90540 84740 97412 12331 85642
75523 15101 56641 71612 52765 64733 54259 68590 90189 55047
24425 25579 71841 76456 45156 37425 70766 63201 07758 36127
99270 13418 60889 29887 97957 88265 00000

13370/11538/10614 kHz, 07-07, 0200/0210/0220 UTC
11563/10216/9417 kHz, 07-07, 0300/0310/0320 UTC

11166 60146 00000 07089 03199
84012 58292 57748 84998 44458 49624 98890 07946 19510 97057
49956 97896 68060 62216 29877 78585 29174 17355 59569 27810
32924 93276 70275 62895 46475 03526 93258 32899 53868 37026
91775 22247 92924 36378 21277 95473 97722 03976 28767 37771
20073 03148 27259 71021 28441 46511 06270 50004 07746 88706
64281 68474 08471 65732 74117 29784 18538 48028 17165 61742
56366 99536 47382 80403 08559 59892 71028 32474 60661 91954
53055 71006 94420 61853 86094 44092 49983 43739 82980 01232

76480 66443 78746 47059 19419 44197 53029 97122 18336 58640
08828 15404 13135 84276 68533 38262 82563 74574 73201 14493
63244 50905 95962 16183 22716 61491 05552 00058 84920 02573
40856 24006 31558 18960 82442 48464 27768 26170 32000 77348
45561 21337 35617 18237 83439 75072 11860 66464 05650 21477
70556 42836 49500 88478 33258 39646 74186 35692 91282 54676
49548 91991 62305 17875 08220 09964 31414 40401 09580 79460
87578 40714 88972 67404 91467 27408 90606 76062 35551 43464
07589 36964 82419 01623 77523 82641 92272 65555 07119 63400
75501 56519 24227 01291 31301 90197 80769 98478 58264 73394
54979 42191 47878 15284 26390 73440 96874 32895 22027 11698
99360 55529 57217 52714 04675 57784 19470 81673 51901 75878
68866 68869 16986 86971 53377 40077 33379 56149 62575 38835
72161 80783 68152 22798 92574 86932 24695 61359 98894 57487
29153 26741 64604 96738 62432 95714 09772 61063 61558 04166
42600 10401 95840 21668 01074 60230 45483 38270 55634 38716
06066 80681 58836 78717 67349 00027 52904 99350 39833 98382
71150 56788 27500 86267 94161 68985 70195 88270 46721 44016
04068 39022 46387 66715 13519 36676 39667 23304 73091 46102
86727 68694 02732 68975 80579 66157 84882 22939 11670 54039
16812 97048 13824 19215 96645 75666 52472 81973 66528 47995
41097 22013 61342 45458 96845 00231 36440 74087 71231 56014
72809 34118 16882 84696 83128 43987 76247 24880 67126 10907
03232 10312 89699 15207 53661 65993 80230 89317 00000

13370/11538/10614 kHz, 08-07, 0200/0210/0220 UTC
11563/10216/9417 kHz, 08-07, 0300/0310/0320 UTC
0200, 0220, 0310, 0320 UTC. Dirty signal

11166 60146 00000 08090 03029
12891 83976 48447 78944 11705 99767 00760 31006 43165 06087
43751 34499 61027 85945 38659 01445 29565 56584 26044 81499
06325 27003 32233 87908 40608 34114 68819 88779 98611 12198
98678 30882 51166 75338 66915 88147 85005 17542 20193 52076
23519 60213 62880 06214 67902 01690 23456 51899 94660 48508
29592 77481 70404 33096 15383 88161 69852 47583 09124 38683
08007 48408 75109 36036 22426 11412 07861 04365 66522 42116
02238 29274 99843 70851 47867 23720 86260 87451 21326 82661
35998 95170 74508 18680 52459 88537 42633 95731 69767 84818
20309 03246 91966 63783 79108 37727 69823 95454 25079 84078
76163 60537 19637 13809 65681 93213 12275 42329 30153 00981
58526 12517 85008 41236 21619 96731 48180 59280 81256 34485
97177 17439 97968 47933 15321 69983 06465 02397 63071 63538
36430 04083 35403 67668 84193 52200 91136 65324 83725 87664
65192 57843 50377 05565 99688 64184 95815 23590 54821 19093
37589 23598 85469 99874 51758 08525 94464 36477 42030 41801
98447 84547 23834 61484 67273 66181 46775 86281 22877 08022
03909 55660 08555 31414 01261 71217 64596 74304 86049 31515
71196 49553 57027 77560 44591 69370 05396 91111 97353 90547
59718 13007 98791 60180 33276 73702 96373 66563 97311 53200
84131 24954 28572 12564 28976 52883 04621 64197 90851 14700
45336 73084 97685 40055 24034 06175 61053 45981 96662 72097
43508 17290 22504 18396 13505 24943 74802 78469 48862 87110
64793 85414 74694 02586 27528 94935 46758 11251 42966 84542
16139 61287 90753 21186 36229 87801 62129 14556 97930 32577
77402 98198 04009 59612 82425 05659 18552 46160 22522 33830
52461 53936 17275 10694 70920 10191 84651 09649 33764 53332
87865 77600 04702 22793 03442 69019 90330 97811 33901 03131
94859 14838 13520 86443 01500 18234 80586 67803 16459 23965
14605 18141 36457 00962 61873 52123 25726 99855 97879 33887
90300 00000

13370/11538/10614 kHz, 09-07, 0200/0210/0220 UTC

11563/10216/9417 kHz, 09-07, 0300/0310/0320 UTC

0320 UTC Signal interruptions

11166 60146 00000 09091 02689
14270 00529 02776 49738 93094 27149 81451 86516 71634 81255
99938 23328 00508 64452 83816 50829 21844 06608 53490 01401
24287 59595 86666 30248 92223 62232 36777 76275 53955 99839
24547 88701 58467 06876 44904 30316 35510 86072 56396 93346
18663 42506 45322 88859 36075 56056 81759 95624 98568 40676
09664 79400 39795 63915 38250 18562 88128 25141 26825 97015
74985 15879 80261 50331 09255 10728 97308 76045 72533 62274
38924 44051 14846 98450 08805 68026 55542 45771 63320 23842
19060 26881 93025 25866 60232 05868 42943 97130 58840 79758
63798 94274 88088 39641 11409 73208 86690 49864 36394 06447
89259 18731 31416 88030 94690 59136 28116 86988 77207 62587
60957 35273 69780 35035 40138 61098 74599 67962 00782 03638
80274 43163 20585 69995 90467 94649 23104 20407 93640 76129
08876 92600 28598 07480 81564 01250 25521 98670 61303 73467
27180 74559 02442 06273 20006 49013 57871 56959 29712 21767
57116 02327 61159 96494 90385 27679 87141 43490 15774 31563
15788 55429 31783 57151 91266 69623 82374 86235 07470 55225
86720 56749 39386 88805 10858 89758 21824 66751 23413 36876
30195 27915 02607 84006 43034 84955 86713 72393 90937 87810
85158 22875 21626 67731 92456 74305 35799 35324 72164 72078
73484 31034 03040 67679 55559 51503 04600 15211 10133 00250
84257 75834 38489 36101 73228 66049 00253 17812 43394 10767
22500 68321 22311 87103 62460 07067 48551 69831 78540 23809
34565 14429 89323 92393 29241 38668 25248 47894 97377 88672
02647 75570 58218 00386 74843 85081 50268 92385 39981 68390
14566 50989 10281 64794 13595 93573 72409 81528 28033 21061
93648 43366 98517 95500 53560 69663 91266 00000

13370/11538/10614 kHz, 12-07, 0200/0210/0220 UTC

11563/10216/9417 kHz, 12-07, 0300/0310/0320 UTC

0200 UTC: Signal failure and off at 0205z

0320 UTC: No transmission. Carrier off at 0321z

The message header wrongly indicates 262 groups, whereas it should normally be 261. There was no further trailing data, the 00000 outro group #261 was at the very end of the last block. All transmissions apparently contained that same mistake.

11166 60146 00000 12092 02629
70104 27772 19308 58804 19600 36262 88584 48229 26352 90349
71494 79326 35595 60323 15055 40097 26857 16451 08766 43837
70591 05905 37972 39701 99756 04388 10759 90943 19769 59661
44325 50529 05276 69149 21763 88776 57176 58815 55188 52763
18343 55494 16152 62135 71463 69868 19279 71047 67456 32282
70064 50890 57881 48563 12765 73515 29802 68063 39332 99630
66519 81088 45312 02061 82622 87910 43660 78560 06800 06549
72396 33861 10831 11509 57056 35649 08219 20668 13853 74152
70879 72488 04511 80030 37340 60755 78685 80251 10878 19014
64927 96647 71035 71912 96115 16831 46958 95616 80300 92157
25978 54498 52894 42440 95895 06282 71147 72072 44385 92835
36850 27281 63970 58787 58186 49163 36006 65174 86696 02230
92091 90284 90265 83106 76372 34905 48089 39113 57156 74139
78546 51382 61282 23013 35926 62226 29676 08015 36930 51422
17546 61797 02905 91113 87635 83206 28735 34011 69980 29826
14327 14585 86614 35233 19633 67930 64645 68147 29151 95994
86154 75665 36825 35861 48342 77755 87301 09762 32375 05220
34469 61528 04352 98295 03218 09145 96841 08088 65363 68105
44426 68027 65664 25264 71681 27527 58876 67854 57035 65038
43780 97376 20952 22691 05122 83031 11855 29699 99389 34399
88258 06723 45392 98032 20511 68380 05550 07680 60620 66085

68840 42791 53570 38410 71361 75025 88587 61148 15404 07427
13783 14284 73020 35970 62610 08027 84987 88146 65577 35130
91123 18303 45653 41662 52892 64389 20798 33417 54224 95837
62064 60165 91498 07227 80700 44915 88631 37441 42693 50393
98189 19010 34193 99906 74475 87300 26254 94794 29535 92259
00000

13370 kHz, 13-07, 0200 UTC. Dirty signal. off at 0218z. Back at 0220z and off at 0227z

11538 kHz, 13-07, 0220 UTC. Off at 0227z

10614 kHz, 13-07, 0220 UTC. No transmission

11563/10216/9417 kHz, 13-07, 0300/0310/0320 UTC

Like the previous day, the message header wrongly indicates 262 groups instead 261. The 00000 outro group #261 is still the very end of the data. All transmissions still contained that mistake.

11166 60146 00000 13093 02629
39025 02539 64104 63303 98236 02855 77087 35932 53343 05293
59251 73873 64910 03576 08684 89920 83596 59473 51580 76832
57154 06546 04755 38673 80887 71193 24585 54287 08755 96909
72072 21333 67301 82705 48700 54322 39614 71631 82775 35106
11484 50329 70956 39232 96958 45557 04635 86627 85481 28632
35875 90022 77800 63710 62583 99580 02827 60860 37616 67146
32650 19854 31486 78564 37873 75619 03380 27499 50476 81291
60163 29205 26382 89798 08053 97659 24917 19922 26665 34531
47357 17758 20105 03384 01739 49544 24797 87586 86132 86752
78742 55344 07552 69415 81889 80296 78707 58612 02302 91123
59766 14049 07822 48588 37332 57675 27901 73460 57806 09275
75299 73756 57344 04966 82336 44735 55569 34544 31373 40079
05254 58621 84231 37714 15138 91477 40214 48686 88081 60577
77436 42547 41740 78679 57137 87678 03942 89491 95674 30001
99960 72784 33876 58490 73878 19928 58444 30958 11203 15767
55102 58512 54956 87784 98161 72156 32398 08492 06204 19952
34588 61972 18565 68181 15965 10525 72305 04959 06130 22346
84359 69709 51026 46181 68543 56983 25708 43885 42117 67998
85864 16834 01587 08401 50313 87119 72425 55630 31633 19468
62414 44374 57130 94815 73283 43505 47322 71484 50336 22975
44128 94897 74753 34080 05962 41756 28265 51545 11893 09635
84858 50863 42090 87928 09243 19322 26714 71068 66727 24159
80460 99980 74215 86295 64925 42689 47000 33054 46003 50025
21050 28336 38482 47369 55468 03664 55036 48364 44815 38552
01804 01543 95980 63623 87728 05796 49299 84915 39860 55633
48585 52828 41805 02165 89786 24123 37500 40736 02934 93259
00000

13370 kHz, 14-07, 0200 UTC. Dirty signal

11538 kHz, 14-07, 0210 UTC

10614 kHz, 14-07, 0220 UTC. Dirty signal

11563 kHz, 14-07, 0300 UTC. Not monitored

10216 kHz, 14-07, 0310 UTC. Not monitored

9417 kHz, 14-07, 0320 UTC

11166 60146 00000 14094 02539
55090 82325 70186 78780 47526 41729 98161 97574 56685 66511
32137 93448 44449 39387 27258 25011 93287 94857 41753 86995
69810 05684 13027 09471 14572 00696 90492 40747 50349 74903
29828 37408 26053 77812 78344 09911 38473 90910 06157 97187
99047 30253 62844 68694 37836 35074 64285 77328 61886 28380
39353 11673 10184 60447 91166 20991 72372 71172 52577 11407
63432 32201 40581 36725 71495 54786 39345 32308 21007 74300
66535 65460 18390 47353 02629 00756 72429 22436 87908 03745
06547 70041 16816 31469 05152 83201 84354 83242 61273 84356
64236 10117 17641 99526 23448 06473 18410 85694 02934 32190
13720 22354 19081 38803 84280 03152 65688 98116 78148 88569

21116 56689 76914 05575 90292 64632 33461 05184 36281 52171
48499 13869 81073 52390 78052 39758 80319 93612 89095 19550
01665 09838 05516 17090 61387 42693 11600 09549 99031 33324
05225 22135 94703 27654 17948 97270 58745 43475 44172 09194
48446 72783 46585 59893 91503 17807 30055 17338 20902 84165
01171 81925 50907 79593 55611 92089 48864 91669 60540 05011
82480 42985 24203 13354 47284 47192 69919 83984 03949 14372
56658 29595 80164 79149 13382 49174 16755 50006 79348 98268
62711 03219 67559 74957 48842 69865 93533 32499 94730 89333
36608 54564 28670 27772 25940 54012 25280 84921 68411 81134
90489 37760 60603 52313 48562 94401 52049 35021 10869 56690
51946 50115 31077 14920 96503 77344 76464 23120 19125 75022
70020 28348 90619 49797 83045 52419 21606 37456 82927 49521
44320 80699 65768 88138 16005 14835 28579 30734 11063 97303
60697 94251 00000

13370 kHz, 15-07, 0200 UTC. Dirty signal, wrong 500Hz shift instead of 1000Hz (not decoded)

11538 kHz, 15-07, 0210 UTC. Damaged waveform, no useful decode

10614 kHz, 15-07, 0220 UTC. Damaged waveform, no useful decode

11563 kHz, 15-07, 0300 UTC. Damaged waveform, little useful decode. 43 blocks and 1 message starting at block #1

10216 kHz, 15-07, 0310 UTC. Late start mid-message, damaged waveform, no useful decode

9417 kHz, 15-07, 0320 UTC. Not decoded

13370 kHz, 16-07, 0200 UTC. Damaged waveform, little useful decode

11538 kHz, 16-07, 0210 UTC. Damaged waveform, no useful decode

10614 kHz, 16-07, 0220 UTC. Damaged waveform, no useful decode

11563 kHz, 16-07, 0300 UTC. Idle carrier, into F06 mid-message at 0303z, damaged waveform, no useful decode

10216 kHz, 16-07, 0310 UTC. Damaged waveform, no useful decode

9417 kHz, 16-07, 0320 UTC. Damaged waveform, no useful decode

11166 60146 00000 16096 03179

13370/11538/10614 kHz, 19-07, 0200/0210/0220 UTC

11563/10216/9417 kHz, 19-07, 0300/0310/0320 UTC

11166 60146 00000 19097 02609
49384 37831 65732 10732 74060 61694 76413 65797 81823 83280
01223 89358 72887 83318 17112 07749 61816 24065 57508 73828
16487 37849 23786 68066 82302 41889 28078 56382 90091 71557
28380 09393 71144 49299 41874 12789 27813 31379 47412 23503
33113 99644 13100 51367 57768 90503 09908 70950 48133 78286
97270 93256 03436 55203 91577 51971 25771 75059 53525 83948
41284 52929 55248 08626 15985 37983 13175 36049 14630 01637
97540 58201 76107 08224 54506 03313 03761 60378 01802 57859
94095 36304 83845 85908 52299 61136 97281 00534 68018 79563
22853 66948 49823 21912 24567 42081 41802 80871 02082 80255
70728 41057 07255 59675 97219 28585 60784 09393 69350 72862
29889 41459 02134 97763 52963 17934 31328 84395 22136 07444
14990 72627 59680 10986 81223 93581 49213 61651 45558 50267
07608 27964 46389 88544 08574 75520 71926 25610 93832 66616
77081 28189 32830 02551 13738 57624 16916 38293 22832 24040
98939 24202 61691 16786 14192 54475 65063 03326 43629 27041
63275 13785 05326 44544 05956 53315 85078 11145 64765 09490
42117 04805 13565 46902 50847 29744 09464 06156 64558 78763
23188 49444 12057 60122 92193 19889 63131 68646 94982 06847
23818 05768 70039 34352 47372 78175 27835 14898 71913 29768
29339 35731 20665 86592 29471 69858 25724 19461 08928 28943
61308 53930 42831 00292 97411 82331 79629 35098 09809 57538
28684 80155 07346 73160 79997 70208 62445 59853 04493 23134
55785 52423 08310 05152 71065 07427 39534 58226 00809 75939
70808 06882 49145 61195 06263 86580 42493 15769 86192 60887
84094 58004 87932 19579 13340 12362 46361 74905 97258 00000

13370/11538/10614 kHz, 20-07, 0200/0210/0220 UTC
11563/10216/9417 kHz, 20-07, 0300/0310/0320 UTC
0200 UTC: Damaged waveform, no useful decode
0210 UTC: Transmitter issues, only a few signal bursts in the first minute

11166 60146 00000 20098 02609
08468 83923 48700 08847 09652 32931 64936 24828 57599 83083
18858 65593 94080 13037 27742 12528 75997 32173 37885 69060
55231 48608 08408 98448 61331 51372 65865 15571 54215 42667
09344 31162 39083 81180 70729 71915 60721 22360 59846 24921
19387 66597 49144 79839 75471 51267 77620 67276 35109 47547
78671 16788 33938 47956 61554 82942 61190 55564 01157 12900
91300 10785 15744 53916 15227 16720 37387 24245 88657 48957
04761 95840 39309 60801 32980 62321 00487 19828 40184 90626
63106 36743 35541 79795 63359 72455 98367 75318 48205 34308
03054 12491 85895 97411 69465 87208 13691 12012 43535 77638
39982 82829 37705 65210 42987 31308 85930 28360 33226 76713
92911 07468 71940 97015 82260 64417 62671 55492 73278 85229
58156 03997 41026 99197 49756 98821 39395 12962 31585 90092
91846 82963 56528 70642 79517 74717 26358 95293 81370 82338
83100 06483 46092 06754 93873 27179 00411 16052 46363 07015
23529 36395 97132 32588 42356 46933 39950 37855 27228 77158
86326 75558 92808 30149 75442 35627 33846 80112 55667 21496
50489 17700 04834 20257 42829 41498 81481 27612 79383 19160
24240 13535 69177 66596 41540 39601 92138 18672 58858 63915
67473 89845 15648 94568 64717 48186 29184 77575 87155 51206
67476 30214 82288 16952 98463 55718 59038 28780 07653 00256
16382 97264 01413 38125 13091 27676 38095 96115 33283 66454
54172 52964 27454 25132 77594 74846 33685 05129 45522 72843
08719 71873 68657 93311 23582 51665 09339 77112 03449 49738
65588 48614 16424 12951 78311 20424 40951 85540 03824 24778
66508 31381 18899 07531 07303 21188 50522 45677 98258 00000

13370/11538/10614 kHz, 21-07, 0200/0210/0220 UTC
11563/10216/9417 kHz, 21-07, 0300/0310/0320 UTC

11166 60146 00000 21099 02529
19853 63019 50891 82584 88504 09217 62472 73072 51803 19739
83978 18724 38920 90916 24374 75951 64895 37861 33805 43419
37683 48468 67345 49495 39129 07040 96875 80412 09560 35980
13299 60100 90670 28993 86279 17611 06401 74218 73680 03077
86494 90750 97901 38146 62408 26971 31301 11826 90287 94140
57880 57672 80663 33670 03431 73269 39594 41536 51321 67926
50899 98251 86124 49533 54216 77845 32255 86526 98524 34280
79817 05873 75861 88753 14852 13036 64894 66310 96155 44853
39041 55216 45881 91257 18837 87509 46084 46782 73219 64200
58421 77795 99427 73518 09180 16387 36210 75677 06822 16858
90008 52573 84240 35743 78827 45865 82912 21310 23464 31872
21122 23459 40783 06721 13469 59981 18744 80189 33819 00098
77835 01680 38916 51219 48638 66748 94805 59866 20185 77653
73297 62692 38800 56332 10620 48536 62128 33265 45480 17449
98016 60654 78697 47630 82952 23349 21616 06216 79736 45976
25462 64846 99083 19686 08858 05959 74838 96972 25658 30742
47486 27999 40313 04685 35660 36852 02937 01662 00313 61195
41262 32495 31267 03719 11693 68917 10801 68858 76611 98892
33980 83195 00151 74216 90418 22991 79610 36338 37145 97284
54701 31344 17272 60002 61812 50046 04158 49493 25485 54091
75741 78958 04280 74053 48738 26192 33229 90433 27391 96069
30053 33510 46453 54238 57336 62963 13109 55429 57852 13242
77490 14840 05215 15569 86511 96015 37049 32557 00679 13676
62872 66360 78587 74923 63868 26291 58768 07260 26743 66854
93599 46863 78851 32123 14947 85557 16781 67403 36232 99901
99250 00000

13370/11538/10614 kHz, 22-07, 0200/0210/0220 UTC

11563/10216/9417 kHz, 22-07, 0300/0310/0320 UTC

0200 UTC: Abruptly off in mid-message at 0206z

0300 UTC: Wrong group count

0310 and 0320 UTC: Not decoded

The header in the 0300z transmission (and presumably 0310z and 0320z too) wrongly indicates 270 groups, while 0200z, 0210z and 0220z normally indicate 269 groups. Group #270 would be 00000 padding at the end of the last block anyway.

Also of note, the message serial number rolled over from #99 for the previous one, back to #1. This is normal behavior for F06, however this departs from how, back in 2019, this particular Pacific F06 link used not to follow this behavior, and would instead keep incrementing to values over 100.

11166 60146 00000 22001 02699
95886 48329 74804 22276 28954 03324 76866 62048 45362 24164
30450 53732 06895 68776 45187 20464 79110 89341 78926 11221
80602 22348 06766 39755 46416 49453 44098 93548 41574 08830
22090 04974 85627 61685 39044 01849 74185 43651 36076 79574
08347 55715 70547 62040 67992 74399 85687 43493 89850 85859
99844 28540 36289 73597 63805 12491 65773 14476 59612 69221
40910 62721 39337 38735 35038 26604 27211 31629 23284 67478
33592 92636 69034 75873 54175 90437 41745 04329 52895 25935
27048 61645 51961 76161 15077 98259 77454 16036 77943 37412
33934 85118 72327 31807 06478 91595 28088 50447 13610 70637
08857 25332 59539 39358 55536 12705 59152 15524 48646 48542
34200 92239 50459 02965 04111 85764 12851 63264 19871 98667
61821 00232 14413 65496 94602 97470 67933 73161 50312 48388
11608 73208 40070 50549 18105 28173 47528 52085 52361 59210
35756 29830 81053 87171 21398 03898 64190 84338 02061 18356
77272 78978 47862 42719 37462 79921 93076 73908 32189 13353
88809 43411 73634 88986 02654 59280 27537 37830 76248 37702
89746 88720 76694 03796 08973 75806 02743 66335 79161 94185
31716 96091 49939 45872 18087 62467 28560 43276 79650 08131
71790 62402 32238 66315 91181 62930 58900 50486 20150 17389
24498 71059 16316 16592 71644 58855 97533 43531 58935 99984
35047 32920 27393 11838 52216 58564 06076 14886 02244 15752
92788 79959 23346 90852 70821 55712 94801 35312 47665 05944
42316 86222 26637 11469 66139 00673 47352 16236 90376 96046
55979 22360 56932 13470 91225 63777 12507 46584 96972 13194
62114 02855 97516 02028 87527 89562 96342 58024 54113 41714
84365 90238 54473 34015 68593 76057 62348 01267 00000

13370/11538/10614 kHz, 23-07, 0200/0210/0220 UTC

11563/10216/9417 kHz, 23-07, 0300/0310/0320 UTC

11166 60146 00000 23002 02669
94568 40969 96329 07435 46988 52525 82169 80735 53044 75766
39256 50925 29637 96240 75570 34158 13775 55121 52625 91194
50242 56284 64583 41744 57094 62543 63174 07821 36176 16976
08111 84537 20841 50299 47668 61780 78073 60200 59132 45198
07187 73593 03803 49947 02293 27712 76222 65624 70728 30994
52348 15832 24627 89687 66324 60811 87821 11114 70555 16573
85266 19534 58777 88976 07167 45543 56795 46182 65005 74942
10588 77923 81645 68023 26464 15034 82708 85191 42952 07659
81406 79882 39126 85606 74018 44701 09032 49257 88199 21712
56919 64479 51315 12841 92972 59985 70966 51297 34197 50569
44931 19981 40186 34661 42669 27794 38429 39628 25610 79799
18865 13277 98384 02167 02352 84979 08217 07837 12761 44864
34634 13857 07362 14515 36702 46297 45206 07609 49970 93720
98171 03934 50307 95108 34388 85222 26818 73207 28701 06239
31032 49221 79874 99557 94551 99785 39228 37473 32339 42169
80379 99473 73839 58628 64790 18718 89120 95869 82798 05956

02225 00537 74829 74329 08907 76679 62470 13483 40962 76124
44091 86435 44324 57700 34709 47640 63106 76244 54773 05675
46811 87333 97570 78993 22845 78672 29925 18190 01577 64083
05885 93199 06085 01030 98094 68872 43811 17612 76519 17378
62289 59971 89227 40850 56147 96045 24909 02728 17565 36609
61817 91229 47372 59529 32828 63390 68992 48194 61298 43095
12387 80027 47412 71572 60221 26047 09702 33743 73417 47385
11435 08909 38296 99735 26549 19177 02478 81627 24828 74084
91749 87506 81000 34851 25076 51517 37456 46695 69935 92963
75255 12660 05183 99355 73139 07371 83615 07998 59201 54182
11435 72043 84930 14137 02264 00000

13370/11538/10614 kHz, 26-07, 0200/0210/0220 UTC

11563/10216/9417 kHz, 26-07, 0300/0310/0320 UTC

0210 UTC: Transmitter issues, only a few signal bursts

11166 60146 00000 26003 02999
69854 31899 69525 46354 57407 89344 67950 58432 37406 86493
35072 78960 54770 97624 65699 74043 75356 03656 97596 73392
27186 17037 29713 30229 43728 16905 91685 37541 88916 92920
56797 61618 68593 21241 15578 78817 58065 21058 52240 26479
00465 65135 91129 03952 55595 42796 05391 84645 03952 98776
05019 25055 35608 96411 46498 81701 78652 78559 31211 71916
46863 24728 84798 39410 11308 27827 34671 10565 25555 38983
27849 52390 59193 53866 56320 68068 19331 38947 82112 91047
64774 21146 79249 63593 42570 89287 34797 10759 01600 80813
76178 45703 62905 52188 16940 67292 51453 56431 38170 35921
18996 76215 47743 38497 12749 85973 84588 78525 69548 41438
60160 52224 40184 20068 54309 96612 73597 60789 07732 20514
15633 76486 78185 54398 02021 37690 52671 80020 50296 50888
32751 25771 80318 79909 35201 38693 18103 83809 75187 69098
62634 69689 24141 28708 20356 83909 59533 08281 37027 90105
48737 65641 81628 07463 34144 20059 62000 07687 11756 13909
76917 94096 20404 27564 34268 11285 83815 58437 90037 58786
72686 00127 87782 07186 78972 82596 03274 40100 19567 59327
24010 70483 11560 52380 18276 04686 86278 91305 73446 52694
34269 06838 08208 08016 98431 65312 88398 45620 57488 54746
01149 11382 66966 58512 67004 01473 49889 77549 94737 55130
54367 87044 08507 09238 20262 38530 02077 88162 22126 43322
99774 27289 80599 98245 28873 53670 59448 39588 33080 72259
90436 36203 81842 31133 93218 57720 55121 64160 82434 78789
08358 34555 79206 05288 47293 27740 69214 33454 67344 66963
74534 77853 37213 50111 31448 29138 31429 31145 91381 27528
41494 94609 87189 62950 20341 96641 31949 37777 39767 70918
42464 53100 65557 22991 04669 04475 79957 61429 23103 98077
06206 39221 21667 23208 14803 03864 87827 42080 16206 79587
77471 82831 69633 30138 22588 46695 62675 03297 00000

13370/11538/10614 kHz, 27-07, 0200/0210/0220 UTC

11563/10216/9417 kHz, 27-07, 0300/0310/0320 UTC

The "04318 00000" postamble and outro wrongly indicates 318 groups, whereas it should normally be 308 and there are only 308 groups. The message header correctly indicates a corresponding 310 groups too.

11166 60146 00000 27004 03109
46185 78250 28817 50755 20450 66327 94678 15934 68185 26616
66175 33759 09316 43765 66730 97203 62982 59842 13490 01052
23391 22322 01030 79194 40057 54052 94930 91250 44632 56128
89900 31926 91492 79614 12139 61583 04297 27053 70619 81426
45678 69694 86999 01757 52275 91385 58813 76731 02277 95061
35668 04068 07679 32765 13109 13120 48431 45145 73843 89776
90673 21361 31029 11611 56229 15337 53286 91721 35568 79301
76144 54703 61408 00546 29600 93186 85148 52352 36471 78371

23324 95004 61249 23018 66265 87849 14116 20301 66156 98321
39833 06992 46668 18879 46178 24388 01370 27788 51614 75433
73091 54699 56896 01476 31429 36932 70283 27079 90591 77432
41049 46350 34756 40323 80990 49198 43134 44985 78600 10981
31940 44624 35614 93959 55426 00231 80599 34015 33202 85901
39287 11048 96003 86439 66329 26515 67105 73176 68167 36528
21570 68959 71704 13956 90513 38230 18464 37968 02579 63143
88922 34464 79802 91657 86709 15804 30069 68530 37357 93311
03325 85172 81283 60954 03757 09275 65709 73657 75114 80165
65183 68689 01363 80826 85408 03539 89853 22504 30055 08750
29205 02860 35256 79115 39079 23589 01458 51711 54033 78453
77327 44160 08649 47659 75393 51605 16112 59521 24117 25801
57445 05348 86076 84780 23560 18490 96942 26515 77342 53484
04960 45025 27934 26231 15587 72366 34415 01149 71008 94931
81065 36237 19199 17506 91398 21983 52220 73516 73147 75056
18445 04907 11401 72734 38400 60082 52067 38969 78902 83357
42862 18071 65187 94341 23997 96915 35713 80707 85768 61630
69323 52777 35226 99681 39474 33356 39111 83324 75179 81265
35249 95322 33397 71996 29595 82898 12526 83939 21100 50845
61696 63607 21605 29730 65560 68307 62938 80138 09245 09693
08411 18887 53179 46622 10888 78150 72466 00781 84634 33432
40499 93491 83119 61322 61490 27157 99955 12978 81632 59756
35187 14263 33544 45864 94075 28488 93712 42595 04318 00000

13370/11538/10614 kHz, 28-07, 0200/0210/0220 UTC
11563/10216/9417 kHz, 28-07, 0300/0310/0320 UTC

11166 60146 00000 28005 02929
00348 65481 41714 72088 77079 27908 37807 23054 37836 28419
59458 04044 92669 83175 91942 38763 21806 76773 50588 40649
51390 09742 62047 37962 72699 63338 31992 31006 21989 67554
28919 29913 63184 83293 38757 46437 40578 34635 69967 38187
93744 52141 13812 28734 51844 13132 89488 52039 49511 89876
28823 94640 31512 41624 80187 34019 38354 11427 36353 96604
90051 13680 15953 83840 10211 23326 53248 39762 57643 02656
75879 58500 57680 26645 75293 55184 50386 92756 99539 48642
97851 26170 23109 29369 17758 16337 73513 11178 35394 45838
19297 89982 71328 97456 49153 58149 06895 50409 96844 47849
94719 01685 91613 01852 06438 73401 38766 95199 34816 92156
60121 56196 92447 51267 49008 60154 74226 91875 19502 94327
75771 63825 54591 17476 84995 52270 82950 62494 89013 80938
39015 55552 63560 27997 86054 50163 37124 15447 06902 99644
46968 57996 92069 16387 29236 82342 79896 91378 10332 52797
28444 72421 91747 64203 23816 24482 45543 88069 54588 20594
62658 82869 07045 36783 21235 04434 60898 49419 67159 77377
90187 58451 23988 13509 99035 84965 74464 88134 46965 16486
80796 10224 43443 98474 35898 47351 16362 95460 62774 91367
84122 70229 04234 75722 86027 54519 70123 80395 50656 09665
34274 85353 06921 00610 98334 58484 67481 31743 64691 88942
39214 17984 85656 01837 40414 89565 81112 15210 29435 53936
41804 25236 74422 63242 60455 30577 18871 60797 57918 31847
22648 05009 96512 67096 83212 94173 97777 69279 66681 40593
06790 56630 03457 67443 70262 91883 28086 26832 20591 71283
68051 62494 83057 29311 11170 65540 48353 70079 06295 96720
77624 61315 77009 73624 32234 51891 52986 46261 45402 98810
48724 09455 77946 14623 44321 25495 25274 71171 47998 55479
67846 20637 45041 22781 82276 19793 62857 57090 55267 68433
05290 00000

13370/11538/10614 kHz, 29-07, 0200/0210/0220 UTC
11563/10216/9417 kHz, 29-07, 0300/0310/0320 UTC
0310 UTC: Abruptly off in mid-message at 0317z

11166 60146 00000 29006 02929
55201 61122 24455 21887 98556 82802 00246 52135 78044 80359
83060 13537 82533 94408 32306 59742 38354 21996 35236 12154
53180 79797 41713 27476 22526 80311 63905 89972 59761 25722
64371 45607 35613 49129 80952 20285 38069 57830 61925 89344
88632 58336 09842 90524 75858 67817 57499 97554 92118 41660
24481 96601 84520 71823 27691 32716 55928 35689 44342 18494
77015 00082 50813 22133 95295 10151 85826 77072 52053 17816
11385 80396 43137 29430 69884 72200 84520 77389 60875 13096
68604 45343 85875 02058 22162 01707 34695 01777 01893 21166
11697 63733 88508 98855 25441 70155 65291 86900 90140 35061
92060 08011 12381 31577 10491 25806 61516 37703 41713 76580
47206 17730 62136 92165 52515 81485 68437 68605 96014 88601
67635 60312 21329 89986 53212 04405 37559 23695 53206 04904
59019 07374 61202 31480 17735 94484 86189 12444 47128 86483
82187 26657 60327 18133 43601 24057 71553 58165 77240 29489
33999 92445 86930 09513 92659 81860 31662 06903 75533 12085
43207 72495 71647 77443 14156 49099 69328 66032 92292 87132
53172 38305 42260 96697 83137 16297 60445 65762 04210 25687
54027 99140 60062 57877 20120 57965 09172 44273 85952 04336
66794 59972 96023 80828 21277 99019 57156 79557 98106 88442
77418 80475 70164 33242 59809 63596 37597 09522 36682 24838
25764 47956 55817 50156 74681 74775 54104 27678 18412 02458
79746 02501 77833 87314 48948 03863 15218 96160 48006 99356
24076 49253 16752 55888 52681 31685 74277 12057 84728 90423
72884 91650 25561 59188 91192 12943 67394 78335 02348 73472
31991 01958 78264 15010 14204 09383 15837 98374 74846 63241
96067 42810 56307 81312 12038 09599 19364 14333 26666 34596
24618 46930 46188 39383 07005 63912 20296 75720 16802 49060
04878 82984 25578 08632 48290 63286 20523 36761 87105 03951
06290 00000

13370/11538/10614 kHz, 30-07, 0200/0210/0220 UTC
11563/10216/9417 kHz, 30-07, 0300/0310/0320 UTC

11166 60146 00000 30007 03479
88050 58940 95479 82133 27572 02663 77785 77638 52624 03735
53120 58793 53754 50904 20292 69906 78843 90289 18446 24547
59978 78486 86408 71022 84562 56887 27988 87630 15356 70616
00423 93643 89126 80537 68159 86949 48600 41760 89146 44284
87402 47094 25844 45011 12674 58876 98120 04364 55048 77620
20234 27102 80686 20914 89080 17516 85038 11011 15909 06717
73044 94551 18664 83143 55435 42853 17179 37240 15848 06193
98373 56220 28415 20548 43668 29874 30541 90202 35788 53346
80538 94676 87149 37820 54809 93407 57020 65056 64276 26619
49631 46708 94727 35830 10434 74369 00784 52416 62694 71273
08160 27686 51598 81596 03920 02893 88074 58291 19405 42625
09502 35396 35525 80020 99504 95752 65100 47223 34015 70074
91941 89539 45794 28295 71362 86722 24598 49144 21791 29821
95169 78882 62194 27029 40262 15130 74990 36986 60857 76736
99126 52948 90784 45618 83034 86275 07921 91511 52121 22681
09163 15566 70512 49662 41348 73730 01715 78566 05332 65855
97886 09723 75385 01461 72421 14073 01122 78095 35509 29751
84123 33242 97379 97037 46468 55680 68902 80129 33334 67272
14250 49164 16876 11091 35279 20940 93556 06832 92363 81759
92126 59451 91315 40840 34432 31964 91123 87730 16244 18334
12174 52171 00293 77406 49648 89823 38699 13812 21781 42330
66991 16773 07674 45116 36878 92767 54345 81388 79994 52975
57702 05762 19785 41442 47133 85953 73714 14912 28396 35980

13010 10246 64494 39292 72096 60390 99231 85297 24937 44806
53131 67692 70452 85313 46396 18046 94205 23281 28625 73084
98549 39103 19934 99096 18420 99903 93208 21907 64947 46385
52146 35857 64111 54795 84790 90222 82578 34914 97241 76513
57951 50018 57227 65088 75589 69756 02231 64521 59208 91874
91846 02169 67424 93719 09077 49348 13460 99469 40223 39605
50161 74029 88095 53464 87555 79511 98198 68135 35098 55263
02601 95588 85826 07365 11159 57456 84589 18528 04803 70176
47547 14359 10553 38843 25131 46889 62960 83165 25644 81341
81670 44017 41696 97049 19776 43966 46658 38481 62664 00263
53323 77285 82043 13702 51958 71325 74823 81794 69948 31615
41552 09706 20197 33103 84093 07345 00000

Link 70059

10539/8107/6791 kHz, 05-07, 0400/0410/0420 UTC

11166 70059 78541 05001 00049 00000 00000 00000 00000

10539/8107/6791 kHz, 19-07, 0400/0410/0420 UTC

11166 70059 68521 19001 00049 00000 00000 00000 00000

Link 70202

13881/11159/9188 kHz, 01-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 01-07, 1200/1210/1220 UTC

11166 70202 15937 30024 01739

83243 70782 73890 19140 32252 48668 92666 85450 54378 54246
05743 29007 24269 70395 50730 28953 68089 55166 28986 22622
00214 93970 10323 47812 28365 94059 49136 42200 44410 07223
41648 48309 42979 91645 78961 97492 35108 48867 75582 71351
49086 96772 78138 64031 35698 64556 83949 93838 20051 20600
24148 37612 67166 69190 91047 86279 53535 77029 14423 45049
61810 15466 16419 26661 40836 29382 99745 11155 98197 68684
48874 70562 17472 43327 48899 81991 17379 87805 51768 77524
95013 46065 44564 04361 20346 12753 99519 93666 74177 91756
10467 61541 46745 57966 45387 90554 39155 33198 69777 65288
34837 12210 20491 60316 33203 99757 34761 04069 62706 44623
64087 67008 15477 81549 27673 47561 70727 17029 85094 54237
99117 19868 32908 07389 65267 02486 54860 09021 70589 03863
80400 54119 03657 10094 31190 81910 90262 73472 60271 90809
70745 95009 51299 36163 19574 95445 55852 80970 74595 00951
29936 16319 57495 44555 85202 37363 78742 93347 53955 65152
38107 93707 80773 60937 08599 19553 54543 40703 02945 73445
57791 24171 00000

11166 70202 26485 30025 01699

91685 97214 12480 45887 18158 29930 87106 20640 31959 58800
29123 10740 41040 89572 72216 84398 60349 41496 10180 73254
36438 64097 49497 79035 99502 91145 47957 10392 66308 49023
25247 79596 42431 61678 56447 13791 97249 19341 84382 60476
10132 03201 11756 91921 11249 83226 58998 38192 65455 31324
98787 03476 72672 17003 03164 45400 83218 77758 64170 22022
51507 81348 73982 36179 76576 22143 75435 31900 02855 18758
18899 22545 79636 05133 86448 55372 02671 32259 69246 42228
86327 22738 09091 11020 39760 45363 40059 57697 45515 01905
91186 03392 64016 43287 36121 86432 12370 57355 00683 43903
90917 95406 64274 62447 55986 29674 16079 02986 62264 58969
51972 29063 23246 04640 23108 93482 63175 64058 72085 62933
58938 13814 17666 85298 95326 79798 73953 29317 82124 16376
14990 51302 06446 61821 20693 68598 18760 62212 65087 44465
76054 80974 32750 14066 90555 36247 74420 06270 57458 33281
37707 40932 60097 84030 33830 06355 75991 31153 26335 46608
32215 18578 52719 13410 83508 75852 14900 25167 00000

13881/11159/9188 kHz, 02-07, 0700/0710/0720 UTC

11166 70202 75436 02075 00049 00000 00000 00000 00000

13881/11159/9188 kHz, 05-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 05-07, 1200/1210/1220 UTC

11166 70202 72465 02026 02379

86269 08972 76186 42714 62326 93713 34591 70224 87370 06681
89630 53787 33622 13252 64573 66552 25896 07783 57625 06758
66394 31341 99399 28805 08825 36035 43284 38874 55270 63108
24671 34795 74245 26990 49959 94831 63388 22493 01289 45082
05220 97336 67926 60181 89393 57202 40258 76992 99906 95480
27308 25970 90673 64927 83739 09895 97925 33387 57258 84645
62858 90801 92361 21724 62975 99660 51388 57197 75555 06111
38768 56754 21697 53884 39450 51564 64347 68256 07423 24623
58797 02206 65264 52275 79030 61965 00672 30601 68412 54169
70899 41351 88109 21751 51040 37122 61724 60809 87099 50454
39538 35621 39789 56549 30832 33978 29971 44282 77710 30047
21722 75203 68862 46937 03905 35221 16707 36164 56238 08638
46345 16191 10758 29244 69781 37242 44637 88153 43821 64573
65286 03055 35108 97388 73675 78583 40719 65583 16822 12491
37770 71514 65367 27306 60463 68971 77200 32169 28005 96544
33043 44528 71849 07575 54947 26387 35693 63875 43650 14798
46656 85404 95700 51268 81101 73089 86314 39789 73513 46979
28894 88161 41879 66916 47137 12315 28020 27915 20687 08293
76293 47439 90253 21610 99112 86755 33143 68657 02727 73561
45137 89845 71680 18065 89658 39173 35417 39715 00155 39909
65432 46757 46646 61077 76449 35819 02371 94426 30017 03687
71461 36577 64000 88494 63600 06033 96384 82481 26582 49742
76827 83525 72718 18898 84410 77631 60039 18662 95013 69565
14208 61501 66759 03822 02098 26235 00000

13881/11159/9188 kHz, 06-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 06-07, 1200/1210/1220 UTC

11166 70202 73218 05027 01799

98805 06542 84713 44820 75591 25694 07655 50802 38742 91922
12564 51104 53703 07335 59359 67268 12933 32928 21568 84574
06087 08267 28429 81330 60222 21250 57495 10603 42209 88912
82400 57827 40534 35209 05501 22738 68688 76692 30054 99049
57326 52057 51650 50327 27376 56453 73557 05491 61303 66533
75690 22382 14697 67151 91868 92835 35380 15667 75075 87695
82230 04779 55380 65202 60888 09834 20238 91208 18553 31546
71823 44634 65042 70060 41117 06629 12318 91308 63409 56845
49646 71578 44924 25296 96595 31251 75233 73206 01055 93630
65172 01303 74455 29812 14921 08994 81388 75521 41951 52855
25807 30866 23527 77877 00991 78928 33442 19898 95478 84153
77681 02666 72137 56450 58699 77973 62562 91960 22994 82292
44004 26417 71672 08347 90992 62047 38695 15068 18869 53940
66476 24367 61385 66828 33540 78161 49581 38219 13916 54087
84121 08804 72954 63350 18268 06098 29262 79131 93689 92236
37433 69009 96293 11867 71271 29811 24261 01082 12189 48354
85474 43319 72463 36492 66535 83171 08053 13930 40540 34053
00642 37213 05823 40638 13619 98359 72838 27177 00000

11166 70202 42691 05028 01599

74903 12028 59786 71687 33858 68721 41422 13564 26080 15791
65464 71676 78326 46281 68402 59801 91097 95773 68547 46516
67413 55024 72981 08709 74110 45204 97496 50029 27848 16674
04214 07716 23004 57224 86561 96246 43662 20737 56304 61238
26857 12185 12312 42032 69283 89925 95753 66424 94650 71207
61404 25943 23865 51844 19755 05145 15232 75984 29607 63347
66872 16914 45845 92236 98522 54836 52075 97797 54924 62555
32805 79992 97979 35015 64875 08639 79871 23615 32803 18905

14311 61258 97752 74882 88138 89048 74795 74658 80428 20597
98162 95322 81307 04851 79176 01371 27666 73406 86539 64900
97951 83228 03676 71085 33236 90713 42818 07323 76727 18041
20506 59516 48942 97748 24213 63930 00702 06470 24762 88036
11143 23756 14238 38813 22947 76953 74068 21920 31955 58039
02979 00181 73369 23369 59481 24837 71722 12277 98619 37975
46802 45456 07630 69595 92723 89066 70215 77740 72332 95498
14124 05131 94130 56738 21714 50740 63897 28157 00000

13881/11159/9188 kHz, 07-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 07-07, 1200/1210/1220 UTC

11166 70202 25793 06029 02439
20415 36780 38395 08320 06778 66101 37259 87674 47357 81297
41049 77188 05480 13236 50258 85171 26862 86381 41580 41945
72372 26335 24351 75793 66507 45986 90045 54238 72534 64968
28299 57836 30229 42089 07846 78686 17146 25458 45858 60826
19369 49957 14091 24714 22663 36775 55275 42981 59982 74673
08221 59637 76253 87683 65026 69924 96392 18910 08872 03001
07474 85143 05809 74643 90997 81952 48992 02161 66197 43959
78788 98699 30318 89971 27209 89126 06799 07674 60085 14692
37311 57547 15448 18640 78578 00724 61521 29967 89917 80443
22798 87515 22445 11829 47607 71579 45871 59629 15631 35225
73843 08652 08791 52502 73749 56554 93965 25735 71938 83685
90944 19090 90283 79669 24088 10590 75038 31409 81107 79785
03907 02206 27417 73249 82279 56682 49482 15088 64565 11191
25620 54674 61555 14397 47671 68756 19768 87728 41985 60163
83692 80373 63172 20274 76893 18517 59032 47439 62885 53507
30122 38558 71745 38627 32384 95980 03373 89173 96283 16925
43355 05522 60882 57614 52367 63868 46294 89294 15039 04333
12955 88345 59238 71113 81151 27655 81699 84380 09234 61449
40937 48598 53961 20774 03383 26952 61418 61800 53680 36585
61926 34158 05083 44319 67401 61464 70877 67552 94589 51263
82794 10017 62624 76530 67312 87094 38327 95958 15823 20364
27706 05198 09571 06074 37087 36235 85329 87236 52301 47114
52721 84012 09386 69166 99147 62091 55222 03958 43246 43746
21551 87120 22827 91243 60805 61276 28216 17320 17206 25221
16945 29241 00000

13881/11159/9188 kHz, 08-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 08-07, 1200/1210/1220 UTC

11166 70202 85621 07030 01599
63059 00243 55857 66115 21929 66517 56519 64207 28004 83448
16433 52475 74847 55255 13700 81461 90351 72248 29156 76705
84018 66006 15969 55481 74424 65414 73627 65515 26540 02039
68525 56607 53603 38237 68295 21107 63233 16478 82118 64168
52467 53271 24167 89733 81413 26178 42382 13167 80199 27322
79772 36500 68916 81835 60418 47201 95230 54694 17371 26422
19368 94359 04636 77652 01140 86680 60417 11727 68711 17486
13835 49109 73800 67303 52268 25409 62978 86646 91545 11050
19783 25308 16145 81037 57313 14088 81608 95769 66000 22407
96343 78807 46246 40234 25016 02565 80606 57767 80698 17845
25217 41306 97994 88157 25144 28756 04290 14764 83348 93191
31344 63378 37947 47934 34405 28470 27469 91558 11021 96095
48782 16294 36754 91212 37387 28223 59975 20394 24756 52754
22924 45894 52415 23767 01235 52004 47454 79902 79094 89621
89141 16407 02245 09986 21348 65987 75996 23511 90454 07108
00451 44652 13438 23159 60123 08744 05816 30157 00000

11166 70202 42691 07031 01639
67922 54430 03977 31795 71520 99435 40956 60718 57674 44831
75719 46822 16333 12305 51458 54769 89333 78690 65593 12942
00008 42753 97475 20711 33281 44426 98300 66745 70941 59915
60413 44284 11780 21135 08194 74326 31271 32880 77714 72663

60504 86209 77357 21703 89025 91437 46569 33008 21311 79209
54951 11503 41522 43069 08874 57271 66264 21975 57790 65892
90013 46189 17448 13250 52907 94992 52184 35751 85587 39640
83488 41892 10784 70017 17022 16109 06318 28429 05284 00852
59220 98937 88106 67819 65657 25727 78173 14292 56336 58890
83742 45495 52091 51106 85762 28942 79329 53629 11573 31682
00034 85033 72376 76399 35993 71145 56663 77292 91974 79612
96779 41685 07492 97530 50837 48285 91882 25578 67128 38050
22381 87093 23264 78589 09848 75531 57188 88029 61885 88731
32294 29295 97984 23444 03791 10744 96421 28546 78544 54072
77577 40388 85547 15458 53369 48705 99234 70855 97482 66534
82807 01386 16094 02569 43774 39773 23770 59396 18873 63740
54224 31161 00000

13881/11159/9188 kHz, 09-07, 0700/0710/0720 UTC

11166 70202 64879 09077 00049 00000 00000 00000 00000

13881/11159/9188 kHz, 12-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 12-07, 1200/1210/1220 UTC

11166 70202 64287 09032 02559
94908 01110 05553 77683 26606 31058 69907 59146 65484 48780
02820 83409 76207 04046 60342 41736 45157 54028 29685 51897
44755 53681 24843 55038 11556 14957 26459 33736 30303 95817
70608 74692 41118 04966 16202 24488 12038 33231 45686 11842
44053 47560 78738 34812 00869 08543 03627 36377 80550 97402
55940 16828 71257 63406 99373 56425 58243 27619 88241 46733
74311 03936 16421 54095 10919 23353 82414 63670 32111 72381
25205 77469 58477 81571 10598 64845 13306 25063 72753 88844
48145 17118 40563 56894 89940 16550 03590 69225 76936 75017
97242 63500 75547 90087 11875 79063 95360 49032 55500 89260
44480 74279 24807 75256 92385 06466 64157 39804 32500 86017
17272 84381 61650 19217 01266 98157 18612 39661 57742 32195
48922 01086 60628 57364 88149 62463 85422 29370 80809 51327
69575 09353 77111 16257 18650 13490 74723 04457 37989 90046
97747 25378 94542 47292 30087 86304 38572 80742 45396 10852
39895 73155 00800 76319 18376 65717 86568 30817 73333 23850
48942 76124 41572 46102 28283 27206 38706 89522 79743 84322
63476 09996 68654 78679 69737 40941 57789 77548 35820 58835
28728 59799 85924 08989 04480 97776 43276 90009 65567 06465
19686 20402 76748 45873 71233 35727 66586 87585 74756 89766
27016 81401 04816 58135 25139 83018 15845 67759 44401 28679
59159 00687 97354 67740 89520 45638 77188 89078 40933 95756
40221 02284 76371 15985 36531 59583 41116 28508 30925 29413
74397 89699 81419 57596 59018 57010 67434 77054 13661 69238
84882 51988 57552 88608 50335 67475 02183 78112 81460 00407
49761 12538 45919 32253 00000

13881/11159/9188 kHz, 13-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 13-07, 1200/1210/1220 UTC

11166 70202 75391 12033 01539
59558 41402 98993 63610 68916 26333 91596 52583 74740 16007
21542 04239 12870 56978 33396 75363 12033 91890 10375 07012
77387 20922 00316 48113 77281 79341 22215 81902 44174 85866
26765 22375 25657 41512 09345 72947 46504 83608 98869 64515
67705 24691 70978 15086 53398 30934 58960 78188 81655 19826
60878 72238 60055 81769 66320 08045 31972 55296 51218 56650
84532 10580 14172 24694 94162 20940 52706 29473 70674 27018
02923 90912 85827 23322 90947 82602 97292 21819 69655 09111
03972 72263 39064 01761 93595 43955 73872 50038 68552 98609
06560 10841 60867 09028 39486 62745 72288 03257 84439 97480
00399 38921 53059 65796 36712 37424 46575 19910 47667 32697
18302 19730 74476 14180 07324 95030 12763 68744 66810 80770
57908 51210 35394 67750 27074 38179 25059 35785 93811 44846

23964 61577 96212 09492 37646 18499 04527 75335 17047 10446
59195 24443 46781 06958 15229 43367 92109 71808 53872 25217
28030 33151 00000

11166 70202 64825 12034 01619
97525 95399 11601 98871 52009 53997 32274 24551 11400 03087
24250 46266 75173 27915 28094 13511 99071 23574 76172 47655
62675 26607 19448 19699 76914 46332 52815 20699 54963 13048
24914 54562 94946 85328 43341 07891 47907 83589 11223 76555
69453 42107 56060 53709 78548 96678 36809 08906 71854 50127
40109 13017 67089 82811 01618 88643 73818 00352 13379 90701
15132 35747 03159 46870 48630 48077 96697 12586 60174 84969
98809 20286 28812 01026 54260 27566 86351 49396 74374 93959
19987 88678 40303 41015 91429 72343 18885 75357 70994 12862
52042 79431 10044 37730 05657 99606 00265 79579 88844 86333
93192 67546 79592 66032 78427 12107 17663 49414 43980 00558
50738 05918 67185 45320 44713 58934 09612 52271 94088 81536
14427 01283 93404 97372 29629 56144 55638 16424 05598 46084
88520 60323 40406 86045 64691 56898 71314 27926 46648 08648
35895 59964 52412 64834 51231 96453 72855 51869 84610 24976
76629 41692 14163 03346 63623 62823 02879 23447 52897 34159
00000

13881/11159/9188 kHz, 14-07, 0700/0710/0720 UTC
12183/10629/8138 kHz, 14-07, 1200/1210/1220 UTC

11166 70202 52498 13035 02399
45826 26736 69405 53261 49624 64540 68037 72119 60597 43734
90214 37005 69757 86916 61703 15586 84655 52923 57023 57197
10634 36793 68048 79576 03256 25697 52384 54530 15373 28010
47482 22206 87254 17710 61395 88674 53223 61303 76147 86486
63229 19457 24629 02925 42805 40516 26969 05596 39840 88116
97313 20097 31602 70058 56959 39402 90454 60635 14761 69681
31704 33619 00773 42237 92008 48061 64045 46234 11797 54126
70514 61922 20125 11129 61937 99031 45409 34960 61788 70037
00483 17102 39078 52966 15400 82409 66007 23449 16433 77850
30415 60694 74703 09388 88944 57079 72867 69194 71874 86036
63320 20390 75539 07934 16331 31483 03298 18626 81559 77706
40955 70372 11394 51437 77616 19804 19533 48883 07876 82631
73269 25230 76287 99772 42894 35430 50069 44601 56675 02826
30963 25989 34831 82786 42188 66844 00956 13564 51433 62818
94311 71527 15823 50876 31449 72996 59793 42426 90572 89828
21810 00679 17102 70975 30882 66933 73861 87174 98784 65483
84337 40984 38957 41812 42432 09322 47985 13789 87172 10727
10628 40531 65782 14506 14310 38635 33586 33964 84031 00458
64150 70907 73618 94130 68135 03599 74264 50007 44255 35361
26289 63220 10823 46010 45062 67037 91285 13313 97021 56712
52213 96642 86729 68500 17151 00038 40896 43551 04803 56838
00320 31339 64962 03094 55671 12341 10633 31927 88062 44635
69783 46040 00343 64117 05161 50559 50047 93011 75619 53391
19949 36374 37375 65292 87148 71275 08658 35237 00000

13881/11159/9188 kHz, 15-07, 0700/0710/0720 UTC
12183/10629/8138 kHz, 15-07, 1200/1210/1220 UTC

11166 70202 31648 14036 01759
46709 72305 56120 21685 43500 55272 16323 00990 88813 12430
88162 55985 70401 91588 30985 59831 11256 68731 04755 87621
38190 09625 71882 94259 14955 54194 12820 61181 19604 22078
47613 72861 70780 62819 80594 09048 32620 99121 10414 63646
52952 36608 72583 26211 14488 38523 06738 86970 03691 88809
65774 51319 27000 92010 09095 74723 29115 83412 47097 53980
93011 47891 29138 35751 26388 70883 92134 28324 64219 69918
11998 27539 42118 80164 25086 92801 20180 92406 11867 34142
62007 66911 59973 96239 98590 71601 48839 50362 31748 17988

23107 30149 56802 93294 46993 72181 09175 12208 56794 47276
64603 36694 53729 93436 47657 37324 04300 86407 28236 94536
40356 08755 10754 63276 76058 03428 45674 49459 83924 22728
18108 71679 97135 08621 93141 06616 30315 65344 22596 41565
35936 10227 42892 82540 38574 13672 18727 91376 14169 64243
12229 50271 06499 19781 82291 77210 98052 30487 43776 40710
77473 44930 41256 47306 70782 34891 17008 00245 28555 99992
77918 52791 86239 38062 91016 04616 39811 92136 62298 14673
03947 10087 78540 36173 00000

11166 70202 36987 14037 01739
31830 06091 04161 73510 65936 35016 32847 97683 92762 10173
69910 70137 94542 35670 75608 65776 88843 89562 66275 71514
11478 32127 24419 80527 06528 49774 87043 77627 71950 76793
23141 70429 34178 62124 36262 46014 50167 73325 53143 57757
60314 54943 84290 72034 40704 83465 67481 29463 28098 86035
30111 00396 16122 15132 31325 39327 46079 96388 69876 67925
40831 91749 68639 41355 55184 45138 71721 77595 41213 02841
15115 54428 51965 25775 56812 03794 31985 35855 77345 58198
68084 63608 86654 28851 98815 89262 98259 20240 06061 94474
56644 10810 37198 66885 28802 54447 31262 24701 95878 82451
47558 53481 05858 10682 20144 72315 73204 81567 86632 71586
36436 95671 64747 89505 09526 12485 75074 19597 88101 25159
33435 66333 96359 38838 61329 91102 85647 07302 87886 15692
20636 07592 41750 75479 14033 57317 56343 39521 95760 04317
36959 39720 27556 43383 63094 76263 98909 39712 24475 91520
65290 63788 14223 29579 14594 67377 27571 23619 72757 55325
39598 78304 84457 32838 60395 39380 29861 32944 91116 67664
63333 37171 00000

13881/11159/9188 kHz, 17-07, 0700/0710/0720 UTC

11166 70202 15936 16031 00049 00000 00000 00000 00000

13881/11159/9188 kHz, 19-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 19-07, 1200/1210/1220 UTC

11166 70202 47521 16038 02419
72864 78419 41665 65635 01164 67092 12605 16701 30823 49446
06685 58721 99329 85460 61476 42911 54524 48195 86594 13895
77320 06160 19279 06383 58823 77646 39843 41160 74029 67987
01676 93831 19297 25647 55473 34756 05771 78106 72407 63612
25957 33468 95898 87025 35620 58723 76691 12708 18211 70611
70925 58529 23995 00021 05869 99973 01075 15860 43029 04412
60497 19336 93303 25626 42630 44586 63875 57024 76992 26589
41531 66989 52737 22305 42093 64788 41952 95965 80655 70486
42997 04479 42300 87309 36033 43845 57999 99877 67959 42572
15373 46754 08920 12978 59002 40757 47588 96356 59975 35455
17406 62920 59367 61293 70966 52466 15326 79788 44730 66708
08463 29222 81261 49199 85228 60284 01168 13793 43968 85086
41937 07577 93336 87998 05858 19216 37771 71732 84208 68643
69687 37126 49897 39040 73120 20047 35759 37027 68465 33870
40671 92031 53022 90954 30699 30739 17032 01562 27442 87585
39885 73655 00777 37228 96196 62019 08184 59910 26425 40121
47839 75691 54371 91429 40968 02445 79650 53467 84343 14016
23878 44993 11432 13445 09296 75227 00175 63623 87844 99311
43213 44509 29675 22700 17563 34444 26038 16755 43082 08488
79590 56557 79142 58309 97675 98809 84232 26223 16260 20306
02056 04455 39999 36965 50467 48559 53088 76873 80424 40941
80614 05770 97150 65409 05074 28400 60692 78704 67762 14203
08050 89936 09707 20733 64092 83866 31844 13292 33415 48980
79117 04171 90352 96280 78193 59977 09317 79738 83473 38239
00000

13881/11159/9188 kHz, 20-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 20-07, 1200/1210/1220 UTC

11166 70202 51469 19039 01779

33763 86780 87960 45357 69911 06042 06069 90899 02603 44316
21053 31420 71019 04429 56576 07975 69080 74205 17965 53123
64255 89315 50136 99328 33279 80573 17883 99159 56943 16662
63227 30757 41162 78196 19493 86985 56488 24076 86814 71720
13284 36056 98757 51693 14710 52488 34741 37344 54750 27145
57941 91120 53428 74090 83382 86650 46430 84518 05880 67228
71301 26505 42543 77061 17418 63602 69508 63707 31910 53224
57605 75134 98739 10748 36630 99853 33094 50283 42926 23554
58319 38032 29944 00680 57539 19192 46487 64379 17187 04319
12315 23286 04610 26115 45794 18532 46941 02557 23298 39474
03439 67303 75021 21537 48458 53339 46914 74620 07263 40768
83414 15520 11854 04708 10671 02784 69005 24218 24937 97445
57694 38204 15837 98081 98114 59231 79169 23612 59457 81178
98964 42302 98650 41691 03455 70389 47243 25342 24665 88773
88619 18464 16302 51216 92734 51572 09631 82479 00559 90327
12030 89840 75410 60968 77908 36428 63376 21152 06670 49809
30002 12153 47423 64268 65433 53329 15110 20215 75208 64830
47751 69157 98880 29452 59495 39175 00000

11166 70202 14598 19040 01879

73664 51288 13385 26301 90779 76235 61838 21441 02203 68923
87804 87236 27729 62772 05627 06626 13064 16465 34467 79192
50057 33855 91627 56568 97426 86333 98092 38859 06651 61056
13455 18046 82732 83504 42429 79300 34511 87783 80133 96142
94206 33126 88330 80385 10903 90017 19809 72804 47630 44386
33101 85463 36758 93305 64713 31642 73369 30627 51075 04296
51317 46003 17370 88989 71640 85716 75456 22239 78031 48770
98057 31204 99042 16664 61404 15667 01714 40305 73524 58226
86322 32483 30366 73658 76928 39345 66939 33378 87405 89317
95665 25922 67651 42903 49116 39423 59662 91799 69341 76977
18157 80763 10963 40871 75437 50674 50226 46584 55176 26222
17198 52526 64820 96661 93290 16423 21290 63076 41313 14302
89669 50575 60222 83022 39576 08874 81777 72265 48885 49690
51267 16943 09513 94397 59508 65950 14933 30362 18310 28204
34123 99414 96571 21905 01619 66889 59216 37962 78374 44661
76149 53504 63109 66633 93414 56443 58828 40092 83750 66996
24209 21388 18732 67123 64537 89366 29669 73813 41881 14991
49481 17154 09194 50594 52696 09123 98021 87196 35798 14045
14527 53327 05082 56636 23483 40185 00000

13881/11159/9188 kHz, 21-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 21-07, 1200/1210/1220 UTC

11166 70202 64978 20041 02559

90778 72491 42666 89496 68013 30290 54525 86849 63723 46824
93416 93967 20313 23344 86765 28802 06716 75404 41710 48898
94910 59149 95292 96088 52142 76214 57718 06523 59816 11927
22109 53214 94988 86500 39209 13296 35387 23897 80463 77166
73904 68055 37912 41727 53510 01176 34343 54876 58500 43735
42133 03470 23034 40929 34216 61925 42903 65235 15625 43654
01444 89764 09025 22513 45563 12115 92702 16472 72792 33385
14424 50662 15311 22067 29612 42018 31884 17482 37278 72682
43653 52447 12146 44371 74699 99888 56400 30882 83338 73041
19509 70932 95075 33976 59544 68524 73153 90092 44442 93007
87639 83303 16649 96044 68982 01573 69579 87650 56983 67512
09329 38508 81109 83708 00076 00741 33097 39481 16617 64320
17774 08753 52466 91323 93044 93717 56956 95189 34974 94006
99785 57197 88900 06013 86441 97334 92526 82096 72939 41746
81920 04333 53315 53952 16364 52496 18314 22028 82979 70975
08703 18921 67093 64298 11650 78107 99244 75961 73611 51765
14802 30240 28157 43648 87109 41686 62170 33867 20110 21976

68878 37741 11372 38819 61119 65926 21474 06601 43313 77996
10664 13450 65555 46671 28747 14424 08281 74875 69131 45488
70925 32818 22976 37991 63037 07279 94364 38310 21263 80286
62461 62361 00645 79382 01575 39660 13685 66654 95061 26625
15588 58722 04029 93797 59135 94873 76745 16684 67637 95529
09725 24894 99371 78229 96397 89268 01975 23322 24324 51682
80210 06551 06875 27214 25553 40730 60329 33358 81021 93672
62309 25985 39715 74592 52514 46723 00466 06144 61662 11448
29064 24288 79605 41253 00000

13881/11159/9188 kHz, 22-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 22-07, 1200/1210/1220 UTC

11166 70202 24685 21042 01819
22795 95003 15667 48152 36826 38402 97216 70388 78947 96193
84491 10367 56906 76619 41233 74458 15911 47489 90353 71543
46923 71407 58809 81098 45836 95386 94434 81142 71959 37050
65695 90738 79267 34602 80284 06725 18833 52752 83505 39385
35888 61788 22379 76718 09962 31978 86402 32021 11509 10495
60921 54447 73486 73039 54020 07253 01312 67375 82898 43400
69631 90926 30649 33210 79343 69655 09387 23759 73323 30396
90663 34694 34256 83833 89103 20169 13062 60309 10201 51574
61299 65652 98214 00762 66032 49215 45094 28439 10563 01304
46387 07432 09479 22188 15047 35494 91467 29888 89095 17358
28312 98910 94067 20708 33512 47133 46177 35774 78985 13016
07148 93213 03258 90344 26634 19998 09608 12667 33189 37957
77578 04628 59690 34702 36314 42394 14187 61591 73146 90337
32093 38436 75875 06185 70659 69631 32178 31800 31674 01402
34576 11815 23323 74847 64424 07264 97145 54476 53322 96437
21028 36915 45415 80119 74163 69484 09012 33417 74933 33316
70950 71353 77625 70722 72156 20417 98941 61481 67839 13263
60229 77734 20741 48734 56371 72194
60898 84415 87275 42179 00000

11166 70202 14859 21043 01959
25462 47883 84014 15782 10072 83309 06138 66871 45516 48697
14824 23618 18791 77536 45072 73797 07622 27671 07185 49254
47966 37549 61726 69499 95744 53652 50460 65089 87509 52563
00410 66733 29719 06093 43271 71062 71311 62919 17327 18986
39275 45161 44083 47592 41884 83332 96788 01523 69308 38114
03045 14749 46263 82379 48675 98702 16407 41911 75067 97688
63156 18244 87143 97523 96621 42081 14171 98330 61339 30706
90591 87433 44492 47842 49058 73287 89306 89387 42866 66381
43317 43467 39960 18046 96169 98241 55725 53121 86680 95901
16718 57395 83804 56296 72552 05773 71226 18628 98118 42106
90250 74645 53311 46619 20677 91786 92480 51864 04357 49693
40761 93163 41110 38543 79493 04446 11687 92642 07914 95438
07482 57702 73298 71147 71659 15243 86751 79553 81401 12576
66829 98470 25952 71776 78180 97504 60150 76104 57395 36044
38145 57303 43245 83226 56961 32216 53515 70810 64628 62153
75590 14900 12538 33453 63010 67450 56737 82670 55168 83502
37827 14833 62333 15067 94163 88199 83203 67617 88048 63965
47157 80111 49595 44334 98403 14487 67960 47423 64211 65565
84619 92405 74415 27313 68389 93357 24367 76369 76868 85225
98541 58818 33999 43193 00000

13881/11159/9188 kHz, 23-07, 0700/0710/0720 UTC

11166 70202 36947 23079 00049 00000 00000 00000 00000

13881/11159/9188 kHz, 26-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 26-07, 1200/1210/1220 UTC

11166 70202 54873 23044 02379

38164 88379 75641 65751 74683 83155 29072 23917 86870 82430
74865 88548 31225 24543 58886 34844 88104 08125 33553 96168
55661 55551 43824 37707 36846 41718 39830 63417 92923 55337
52117 35967 61916 84940 90420 14353 65440 46784 51905 38876
52348 96824 49829 18177 52629 93971 98541 97999 40004 06797
15772 16390 26639 80882 28145 74997 38440 09010 90849 81187
44340 71360 57409 40636 38028 37930 60485 05106 95567 50330
89654 05073 57316 25176 77097 21924 07615 46247 27133 79371
50653 37599 50535 58811 05976 34819 89582 68279 72048 96623
44753 19724 31333 23960 39033 94251 95296 78829 80745 00058
12806 20000 10862 52720 90337 97793 45720 32540 97438 75155
51093 98623 55880 67169 08535 64385 35943 16229 59960 64173
08264 45026 41373 65686 24692 54576 41704 07885 26580 59434
47673 69070 03961 77317 60631 94842 54036 15302 96309 40591
12420 19795 03418 08234 55575 82459 62024 81880 97876 19287
47664 92109 31742 64997 72102 63545 84266 49966 36698 25420
88799 51850 59303 89817 94897 39114 60631 27279 65098 48634
21042 94452 31942 64577 43666 93492 13691 90731 84819 67875
12175 33483 37643 64331 41201 37628 79897 15582 58971 42197
21855 23554 02940 48497 15233 47784 50547 17536 09093 28677
54274 39038 63655 00313 24449 39227 57957 72503 58242 19561
52298 86762 38298 43620 91408 75896 49422 14321 59277 81891
86782 08650 21576 11796 54047 62106 16621 36269 74899 20042
80806 60499 66376 98074 19448 44235 00000

13881/11159/9188 kHz, 27-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 27-07, 1200/1210/1220 UTC

11166 70202 16458 26045 01659

44497 64690 85874 62542 72861 50710 52875 61617 86566 00623
58098 09692 54983 74245 40452 75394 66746 17170 14989 44416
77429 17891 52272 85077 81148 84549 55885 04620 35769 89760
80267 07161 96425 56924 56083 89244 37024 86498 15278 33926
64418 45636 33049 89331 54951 69647 28885 42623 68049 48709
93878 25320 16555 98267 36501 10897 98478 36579 64009 90607
19871 17801 41703 38470 63495 94097 97179 01349 82982 05188
61819 75070 27170 18765 66642 52514 24296 70239 34766 54612
80752 75229 37622 80194 74066 13250 07132 35624 44819 06024
21030 30153 17168 38865 03514 47932 02675 98561 08422 32632
67119 26201 77105 45585 64994 08376 88211 83408 71356 55207
41530 66036 65729 38615 43129 31096 47754 89289 83928 95574
89250 75782 28934 70703 52404 14173 59293 41003 28748 81729
34375 43433 78633 33020 66057 07567 75879 41897 22402 42743
87281 17800 02926 83134 41671 69810 52624 26648 68221 16902
06967 28628 08664 67815 85025 36271 33134 19004 72944 74702
14309 44078 64921 45163 00000

11166 70202 93264 26046 01959

55024 18493 53639 09725 73579 43315 35923 01748 85448 05088
75175 41271 55906 04277 19213 69788 79496 24033 10914 12314
09400 45763 09822 04141 84941 55420 67359 85653 99429 51457
10340 38653 75518 90378 12474 62620 40273 30827 58543 14358
17132 62138 30948 59446 76950 28311 73293 08963 15314 83324
10727 39878 48309 38740 31687 22594 43939 89521 60782 04044
31366 29025 77451 19790 55184 89073 60134 33574 66886 66081
60595 27739 70738 19138 38128 92966 66223 51011 08305 90775
54265 07992 85956 87202 99403 59530 27095 81120 65113 43587
99430 75615 64460 88651 36205 65874 93274 48354 53005 42008
38026 09613 32252 30258 75602 60255 05056 21019 07162 27053
85121 57108 93262 20094 34394 80740 82443 44451 65123 62615
50453 65064 08049 61585 92304 35794 01384 88318 34359 28559

80284 71404 58612 23517 71500 49345 56369 46220 22879 36853
53511 62675 22435 38908 74529 68251 86641 11008 37507 31379
22665 89041 97260 77964 94192 37236 78800 27471 45581 87598
68317 16589 63980 69311 53875 71454 84136 51491 32997 14325
65560 47780 29334 15677 96744 56180 85602 27647 06116 32581
24982 59756 84424 21421 98151 82862 48231 91909 58166 72263
99206 53255 30343 46193 00000

13881/11159/9188 kHz, 28-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 28-07, 1200/1210/1220 UTC

11166 70202 15674 27047 02499
47180 47516 49491 40250 20571 90281 81726 90244 98518 39331
20710 39699 47669 40477 33379 87628 59754 10645 70732 95938
53847 67938 11942 78727 66622 01658 08171 90118 35280 05690
43280 96573 02839 23717 53631 44605 00479 79681 74138 59849
86620 91936 02799 38412 47436 94531 00851 16444 88463 14063
70774 28877 72029 75521 79305 93253 80160 35593 17660 79595
07665 66830 16152 52242 15082 41141 55394 94600 96178 86035
41266 52742 39691 12057 35840 58786 89982 34850 61455 20008
36324 40290 20118 84596 85466 66117 95425 20026 97210 98511
29195 64947 87643 07051 89987 40564 29747 66476 75717 32409
06049 38727 17521 78478 93019 13645 77098 24639 81889 31830
54683 33269 65580 38046 49856 56054 46442 38640 42372 06883
44469 61397 85195 95769 10701 41279 26934 09768 75483 80472
05846 51771 86277 56200 82628 73180 14710 74715 04149 61346
37547 94930 15337 67738 21289 70110 61391 87769 65050 81065
47523 28225 81444 59297 48393 23223 20136 23509 84447 84645
63755 77941 07342 97984 50866 45963 61623 99530 05677 37346
14880 95851 79161 72677 73529 11490 31317 13327 26441 75823
09199 70433 83574 85019 00460 91319 01833 00030 67059 46792
15302 66554 88835 67756 12077 67913 71629 04585 24856 46775
99648 07678 27492 56656 36750 52653 54690 29159 06347 58600
87032 67859 04608 72843 68529 04791 26648 20636 48871 80474
10394 43248 67578 33410 27813 72856 22236 09984 78193 17699
87987 30721 63165 55912 80498 73827 48140 61507 79557 61946
39871 10901 55508 63084 34811 43459 65706 47247 00000

13881/11159/9188 kHz, 29-07, 0700/0710/0720 UTC

12183/10629/8138 kHz, 29-07, 1200/1210/1220 UTC

11166 70202 84593 28048 01679
88323 23064 86183 92436 19883 77497 89850 09979 12122 03792
59242 08537 72968 98604 37675 79868 12071 39451 34087 50470
45968 04302 89776 59033 04131 95578 67115 43771 84336 10727
71179 94289 30779 26561 40217 47699 33387 89565 65904 33655
71757 29342 29331 98006 52162 37388 63637 59750 11060 78390
79252 80966 83544 26236 12667 54442 60177 41904 84681 38644
80630 35454 79060 94748 37590 79272 77534 05417 89344 64781
12094 79981 04509 19791 20494 75756 87307 28684 15933 90147
56866 22619 06816 03245 78949 31941 27562 75596 73562 17990
66381 30848 46884 26482 00963 77920 20951 29674 78006 52444
59521 49472 97546 82100 13588 78690 87992 05594 34935 42647
82831 99906 31220 68265 34930 95561 60979 52901 29371 84544
92027 50044 80758 50596 71659 14121 25939 76556 82118 71552
48067 08445 79745 10275 92954 80967 41266 04906 63649 34135
65638 19743 04164 75684 04907 56774 08310 68991 22494 40909
14567 51146 02378 59589 72917 10914 57581 98993 94601 81219
11413 44005 20711 25898 49905 48165 00000

11166 70202 25348 28049 01979
66896 21645 47486 15043 58855 04476 72414 71575 91108 64368
18428 01497 75434 36852 21361 49872 41637 68290 74718 67704
37077 32277 05430 59428 07940 54727 93049 47707 66925 71101
49618 41441 77063 64189 02340 17938 06314 55900 46289 55183

32669 51498 59322 75145 04421 59711 96379 84052 85301 37158
05379 20578 39166 30532 31864 47878 33917 14969 04628 50411
69357 52057 19463 21478 58653 15896 63258 52428 18095 60674
45606 59459 44855 28183 30118 08951 87411 18706 82641 27276
38346 73727 78547 06017 04179 43898 36298 38533 31954 40687
69465 48811 97247 95166 74396 98540 83283 72357 95708 83344
05856 14588 36807 54117 63738 12282 07611 24385 19268 25640
26666 49649 38795 05622 19848 89634 47680 87695 82831 89388
79529 56772 99514 40162 24364 06766 33596 06015 05387 43231
35468 27082 39067 02491 31649 35435 58203 85715 88907 44482
02663 31379 70287 97837 07488 74528 25215 88605 43047 66307
80874 85003 86934 52175 27039 23280 32284 32254 11551 53851
62204 52234 88629 51596 45011 98296 87199 26251 29947 94467
91427 93839 48082 25855 50652 95073 48071 36197 60897 71667
21467 73177 85152 36497 97269 79913 04613 98541 10402 56089
18065 28560 73795 37147 31597 49195 00000

13881/11159/9188 kHz, 30-07, 0700/0710/0720 UTC

11166 70202 13468 30085 00049 00000 00000 00000 00000

Link 80214

13814/11643/9925 kHz, 01-07, 1330/1340/1350 UTC

11166 80214 34865 01038 00049 00000 00000 00000 00000

13814/11643/9925 kHz, 08-07, 1330/1340/1350 UTC

11166 80294 25861 08274 00049 00008 00000 00000 00000

Note: link 80294 instead of 80214

13814/11643/9925 kHz, 15-07, 1330/1340/1350 UTC

11166 80214 46879 15079 00049 00000 00000 00000 00000

13814/11643/9925 kHz, 22-07, 1330/1340/1350 UTC

11166 80214 46879 22028 00049 00000 00000 00000 00000

13814/11643/9925 kHz, 29-07, 1330/1340/1350 UTC

11166 80214 25497 29039 00049 00000 00000 00000 00000

F06a – FSK 200/1000

| | |
|--------------------------------------------------------|----------------------------|
| 7377/6837/5329 kHz, 01-07/02-07, 0400/0415/0430 UTC | File 04481 (1216 bytes) |
| 7377/6837/5329 kHz, 08-07/09-07, 0400/0415/0430 UTC | File 04482 (1216 bytes) |
| 7377/6837/5329 kHz, 15-07/16-07, 0400/0415/0430 UTC | File 04483 (992 bytes) |
| 7377/6837/5329 kHz, 22-07/23-07, 0400/0415/0430 UTC | File 04484 (1024 bytes) |
| 7377/6837/5329 kHz, 29-07/30-07, 0400/0415/0430 UTC | File 04485 (1151 bytes) |
| 18516/14878/12119 kHz, 03-07/04-07, 2100/2115/2130 UTC | File 04475.TLG (816 bytes) |
| 18516/14878/12119 kHz, 10-07/11-07, 2100/2115/2130 UTC | File 04476 (992 bytes) |
| 18516/14878/12119 kHz, 17-07/18-07, 2100/2115/2130 UTC | File 04477 (1024 bytes) |
| 18516/14878/12119 kHz, 24-07/25-07, 2100/2115/2130 UTC | File 04478 (912 bytes) |
| 18516/14878/12119 kHz, 31-07, 2100/2115/2130 UTC | File 04479 (704 bytes) |

X06 - Mazielka

12149 kHz, 06-07, 0946 UTC MFA Moscow clg 154263: Russian embassy Rome
14350 kHz, 16-07, 1044 UTC MFA Moscow clg 241563: Russian Consulate General Karachi
11158 kHz, 19-07, 0711 UTC MFA Moscow clg 263514: unid embassy
16115 kHz, 21-07, 1155 UTC MFA Moscow clg 215346: Russian Consulate General Mumbai
16116 kHz, 28-07, 0904 UTC MFA Moscow clg 134265: Russian embassy Tunis

10446/11474/12175 kHz, 01-07, 0710/0730/0750 UTC

367 367 367 1 367 367 367 1 367 367 367 1
02892 00138 86621 36861 13909 33099 24733 66404 14070 69621
82049 96065 24725 83726 91982 17178 97821 14647 87675 21247
25592 58698 52207 89362 86154 72781 93878 20393 75074 89590
03883 12095 63453 36428 66369 64152 15843 99236 19379 99982
73866 73028 92994 75379 41703 97953 66269 34264 70030 84592
04665 71515 35851 12337 98229 54835 37806 65306 92884 12286
59373 67791 19734 86143 80291 01436 12904 02899 70150 23837
15559 64409 04701 87561 67817 03354 26525 39910 71553 54366
42210 66334 23049 47382 16526 52856 77410 51482 57959 75512
45015 21527 11188 28191 17741 63133 28999 34044 72342 92374
29810 00463 06656 23257 34355 11777 15171 08338 90119 70535
18875 62206 48399 58089 28172 44349 02924 70580 73858 27025
02824 05077 41166 90594 89240 14296 39978 74124 01264 73288
32124 03580 02661 78353 20887 66213 40578 07061 27319 58029
26724

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

311 311 311 1 311 311 311 1 311 311 311 1
02790 00124 09536 03514 79862 80055 89176 35850 46968 15375
94204 30829 18992 39588 00498 72269 65006 06339 55543 88444
96226 53192 99841 96997 35786 43104 51622 07284 59029 36427
76052 92234 15611 27625 62970 26670 22443 42587 36653 77626
84890 32233 38581 76648 93703 20949 93516 94711 97404 17853
20103 92825 12413 64113 80835 53891 29009 79208 82243 20398
98154 63350 24061 60069 50521 74940 93170 60369 99206 33733
24910 18074 85242 96619 81312 76048 84879 62714 50806 87277
70779 50618 46410 03175 97933 95861 23141 08460 63401 81897
88205 69959 76752 92238 31131 78801 49565 44183 07060 96175
54436 17880 11007 50800 13238 63362 35906 26417 38499 66835
92715 12453 18578 39651 79341 34376 09235 46012 12873 66775
15993 60353 46396 84168 38352 11641 31737

10446/11474/12175 kHz, 06-07/08-07, 0710/0730/0750 UTC

367 367 367 1 367 367 367 1 367 367 367 1
04201 00145 92828 71229 02482 20237 66250 61441 30879 76771
29700 63992 01716 42224 40506 31250 58437 82527 20224 89655
77456 84975 67284 96577 07550 31260 52395 15278 29790 98531
18099 71138 77974 26225 53014 60545 05402 09374 48234 98913
71804 28244 22147 76408 30628 75393 40522 41046 49891 71779
60986 25330 03049 98662 75603 29872 65347 67562 78697 26796
96596 31542 98361 61818 29379 55347 55305 50132 01231 42260
18648 64756 51187 44925 15009 11527 69615 84516 53684 42860
04681 20550 12658 87487 34588 06746 72510 36361 55255 37678
88696 92762 39957 84669 05609 22419 47515 00897 59842 31786
36036 03380 25022 56711 64141 82904 69128 72496 20004 77146
58647 96970 51055 35480 50713 97723 22073 92317 66141 34423
16879 04483 49770 80570 77490 69302 42309 04024 39684 42733
57014 12088 27980 30527 98736 10537 40221 38186 61391 84961
01536 72452 35217 44324 25182 93140 53454 55635

13368/12168/11168 kHz, 07-07/09-07/14-07/16-07, 1210/1230/1250 UTC

311 311 311 1 311 311 311 1 311 311 311 1

00564 00107 42626 38662 81702 28724 13642 24751 91553 22967
99912 58988 83313 28630 17961 46330 24573 32225 54191 95594
78217 22883 93053 15919 44049 00849 86347 72069 29865 69462
10880 69176 85842 34748 57055 78385 16081 68015 70428 71355
26498 91881 94343 04746 94146 75584 43314 17638 68500 00945
17309 34991 08391 98941 42501 19690 76140 41104 81501 83305
11676 41762 60703 83909 22014 91050 85520 95745 96616 68331
79047 86976 97339 98890 80560 31314 41412 66745 59085 83508
00420 97654 94588 44755 30720 30446 36373 93436 38244 81648
38397 55050 81574 71565 66858 83795 93825 89244 85530 28264
44133 46446 03205 26053 59392 80280 77301 30790 61392 16011

10446/11474/12175 kHz, 13-07, 0710/0730/0750 UTC

367 367 367 000

07318 00001 00000 36660

10446/11474/12175 kHz, 15-07, 0710/0730/0750 UTC

367 367 367 000

04713 00001 00000 36255

10446/11474/12175 kHz, 20-07/22-07/27-07/29-07, 0710/0730/0750 UTC

367 367 367 1 367 367 367 1 367 367 367 1

01252 00135 73384 25157 06279 98641 11274 09232 80156 72072
21518 76491 89959 05959 57220 45280 83520 42313 78669 09321
49657 15030 04667 52756 08776 87252 74955 57991 42934 04182
42126 57277 73807 01745 73902 99559 11319 97913 38650 05895
44787 04285 74488 28252 08704 61731 79833 20290 88173 83372
17908 55424 46411 23179 71327 95988 97344 84871 02397 94330
70259 01759 68890 30173 25669 71707 04937 64249 54991 78414
43387 13189 29139 00813 54036 19859 04756 39563 23691 45908
55952 15170 96451 16661 21589 48927 58705 85755 59281 80353
90316 34423 06608 09366 00216 31715 39593 34274 61239 16310
01061 09946 08245 43568 82533 23882 00966 84736 10160 40026
66480 52890 03688 47318 04520 02267 68576 18960 23492 60488
53569 53687 92873 41019 58385 06469 25356 67996 12913 77752
40647 11803 83893 79657 60956 51707 99395 52123

13368/12168/11168 kHz, 21-07, 1210/1230/1250 UTC

311 311 311 000

08561 00001 00000 34266

13368/12168/11168 kHz, 23-07, 1210/1230/1250 UTC

311 311 311 000

08462 00001 00000 34266

13368/12168/11168 kHz, 28-07/30-07, 1210/1230/1250 UTC

311 311 311 1 311 311 311 1 311 311 311 1

01231 00107 87262 59525 76217 33427 71793 14708 25851 57970
39735 51571 94420 82071 35781 83073 72529 86459 94722 88842
05021 23716 66545 12659 08189 37292 06626 30340 79634 20033
76524 99248 37414 21725 29249 99006 87449 18407 93521 64938
08646 56099 68163 29479 77029 81688 75115 86403 29765 59150
59452 67438 10502 22856 77627 06981 95661 84452 77552 69471
58754 96974 23478 17952 73079 92694 79486 99939 67533 54062
97160 45937 89418 42073 18043 37687 28213 28010 89022 90286
20040 56091 74827 77999 67629 42211 15634 01455 89538 35978
74523 07062 41552 83889 76833 58431 28013 81260 84675 83694
10368 61614 23474 27245 56106 29300 25029 88358 54072 53047

13445/12145/11545 kHz, 01-07, 0910/0930/0950 UTC

00652 00115 01857 01955 76206 50176 10352 54709 27877 37870
34536 51562 12918 91733 58888 73299 73479 58252 86531 05281
67757 21354 14157 36445 95103 05747 70040 16883 10904 78441
18018 33925 92727 21089 56403 67719 81899 51820 90577 65815
13062 34684 34500 78338 00431 75260 70095 78675 23625 48090
23093 99125 72522 70218 57606 41803 70350 49112 36674 01341
71712 78743 77518 90021 87150 87559 81127 86974 88980 37111
89457 06916 41510 94302 85327 85580 05224 65380 49300 70584
92819 15675 80203 07745 47439 12444 93318 05678 59094 23555
06772 17215 02359 47326 85323 98662 33695 66118 86911 58644
79564 79622 04064 92847 34936 22609 75615 71191 39185 81056
42372 26322 14026 86558 75139 41835 42426 46730

17435/16235/14935 kHz, 01-07, 1100/1120/1140 UTC

00151 00144 78887 65830 67889 16666 88125 51579 74501 72816
63663 75836 48752 16562 42686 73006 51043 23794 56971 62444
13280 57215 60205 07220 27408 26234 59406 47522 81265 31441
91388 67798 06125 20235 25027 91575 71219 25597 30316 12695
31730 92724 42173 57711 68313 00897 05503 59502 03595 63563
20193 46124 18979 36152 62703 06055 83334 68845 54691 60756
92352 08815 30425 78704 89760 08688 90849 30789 35338 92638
96450 48862 36494 92170 11509 65627 53120 32049 67251 18454
76669 37633 43395 72373 55149 09016 98860 66008 52944 32658
26979 61183 63750 49062 01899 49859 95395 30701 85759 97150
49895 22075 61715 90767 05864 93940 99540 24120 03630 93004
80914 77642 13537 89030 46564 09320 11074 02952 72646 16970
28980 36673 38151 10990 77005 07537 73633 74982 54442 43012
06680 28975 61862 84123 39388 47304 82950 58109 10254 39252
69850 19854 13274 25940 49610 62777 21760

13538/14438/14938 kHz, 01-07, 1600/1620/1640 UTC

00240 00213 24647 17723 18108 47217 13362 11506 03208 54302
56408 40346 83730 29717 06827 30991 10768 90906 48012 97716
97962 67284 18448 39451 57569 27158 04144 38280 37704 64432
00403 66641 30396 34707 41787 47295 59810 87281 38896 57644
38352 76408 09229 81200 78320 28916 99556 35917 96358 22486
66614 62301 22821 80142 83685 87367 83083 34964 26048 06250
78878 11416 06226 90832 45258 80351 87859 94398 46490 88348
57404 12311 18552 82842 48950 02323 51905 84611 60965 11338
61199 55706 91855 68345 79877 92117 05876 01075 84382 91476
24096 87123 50330 72740 49816 56082 27087 47340 38853 15151
69594 15274 62615 91314 67601 04416 92397 35773 71764 30890
79847 25876 01530 15511 30400 13916 90344 57478 29855 91704
15307 77361 78667 30950 68144 22528 67996 39070 19024 70373
76564 97249 68273 82988 43921 48860 90193 11431 31933 88430
04498 04546 97790 68945 50120 81930 96929 36375 29114 18302
33673 66307 99538 92819 11430 55834 29484 44140 71949 17190
91323 00923 22510 56504 27778 80173 71557 12776 37434 10445
22105 87531 25158 40295 38195 12591 38136 29479 03628 81546
49095 23448 13363 76698 97166 99219 58861 21032 63129 48232
53855 81069 47471 19088 60928 96267 02834 56719 91375 99490
16901 47596 84182 62211 88753 55427 61834 83399 49741 03618
71648 83422 78996 46111 89276 26232

14958/13958/12158 kHz, 02-07, 1100/1120/1140 UTC

03810 00099 97901 99468 10466 02286 21527 69202 46414 73783
15950 75231 59004 80348 33777 50707 54249 06868 00189 55780
51111 54399 90685 73498 41250 08850 28529 28155 96965 44892
32547 52928 16203 76577 20684 48957 21073 22519 85371 14552
03809 52678 59459 37512 85402 14525 30468 69165 12997 92107
24258 08275 64203 43802 21341 47041 02054 93542 60146 47713
90066 21541 70509 20109 36169 84326 51992 52789 04281 64186
17208 26717 30958 14495 97763 69506 07338 15492 61473 91698
40607 28616 99137 53015 35502 88526 21497 99534 03197 51642
83756 87602 28675 56649 06672 18411 95563 99278 33895 73476
34896 07333

12124/11124/10624 kHz, 02-07, 2100/2120/2140 UTC

00580 00120 39775 62523 78947 02821 57856 51854 16888 55007
02639 54910 09613 42370 48616 97763 59503 60039 30133 09499
04074 42597 67831 75204 92988 88407 30818 94705 34202 03071
07382 71450 58133 20252 13984 43095 05346 32067 35282 16327
13151 41107 12028 60729 70010 49456 50077 70260 24470 63741
38150 93085 40871 84953 80072 75641 78368 63655 90335 54576
09424 98899 03220 48329 53889 43985 37846 59975 76500 84306
82424 44112 72853 62753 02114 74182 53787 64057 04201 01194
98286 21722 20792 72206 37381 58116 49472 77600 36191 57602
07963 55843 84094 48897 00524 15888 68709 64924 08138 76018
26883 54368 53394 41786 65871 25382 12888 20450 70936 86708
30338 49379 19652 24948 58964 10317 35538 36510 23929 57270
60893 31158 63362

13445/12145/11545 kHz, 03-07, 0910/0930/0950 UTC

00652 00115 01857 01955 76206 50176 10352 54709 27877 37870
34536 51562 12918 91733 58888 73299 73479 58252 86531 05281
67757 21354 14157 36445 95103 05747 70040 16663 10904 78441
18018 33925 92727 21089 56403 67719 81899 51820 90577 65815
13062 34684 34500 78338 00431 75260 70095 78675 23625 48090
23093 99125 72522 70218 57606 41803 70350 49112 36674 01341
71712 78743 77518 90021 87150 87559 81127 86974 88980 37111
89457 06916 41510 94302 85327 85580 05224 65380 49300 70584
92819 15675 80203 07745 47439 12444 93318 05678 59094 23555
06772 17215 02359 47326 85323 98662 33695 66118 86911 58644
79564 79622 04064 92847 34936 22609 75615 71191 39185 81056
42372 26322 14026 86558 75139 41835 42426 46730

13954/12154/11454 kHz, 03-07, 1500/1520/1540 UTC

00158 00125 53122 94529 53607 25761 81422 53251 43218 93527
41744 71837 52665 45519 34281 83788 33842 75365 14069 69031
73121 62269 20421 64088 63512 77632 20645 09930 28609 17666
91816 08789 41548 67742 31950 03479 36738 66668 92765 11148
06896 99419 52685 91120 04907 29931 83263 15109 38188 87411
77368 52947 52950 98238 31022 02174 18416 89980 75815 94616
57707 16360 50108 64349 03985 12741 34614 81040 65891 13418
03818 25579 27237 76819 19175 06325 44868 71844 78436 25507
75853 53375 42365 00941 14924 59512 01408 54763 46441 81568
77318 13439 04199 46641 76608 20980 24364 17620 19058 20013
26852 51838 66096 52630 93413 62420 92741 75264 04688 98152
91998 08275 97371 55199 35776 91272 26350 46677 57193 34507
30444 31776 87580 53517 24570 43821 22613 56061

13394/12194/10794 kHz, 04-07, 2100/2120/2140 UTC

07680 00050 31637 01748 08221 84890 74478 02857 34734 40441
87650 01912 64975 54229 75819 71946 90420 45060 97461 92213
08826 96087 97873 54257 12118 12773 33346 60599 36826 12201
65386 78562 61333 79213 52328 81119 17110 46750 38637 40097
08695 62169 35098 02466 43261 65317 16751 04956 08793 47044
88022 70749 08716 84543 41852 34039 55049 26225 66111 92903
81466 24911 23754

12148/13448/13948 kHz, 05-07/07-07/12-07/14-07/21-07, 0700/0720/0740 UTC

00352 00210 69080 91743 49256 84686 05352 39230 57444 28193
32435 04390 83233 85909 63098 99509 73788 37315 57626 82998
38977 87103 41186 61396 91281 07627 34763 32747 49785 95158
90077 97820 09240 65204 20389 50496 64574 07335 24725 92598
78012 70381 38272 12858 06202 24591 18119 41933 15654 71185
37400 41349 92274 48416 04848 38511 71293 41008 76204 99387
37456 22144 22901 43703 61680 40821 18604 27167 78557 30927
81338 75689 78899 41784 48754 24428 86298 40788 86197 50873
40062 35456 00776 56367 73600 76988 18033 11013 31300 04628
15145 97986 99355 68844 59580 31172 82973 63426 44134 25198
38978 77830 33261 42140 72151 49193 44719 79206 25385 83888
10762 55560 60436 36849 98333 65450 66731 48971 27811 58988
54358 62950 51262 53412 29694 33962 55566 46757 50286 79152
94388 39741 95234 37102 54201 52624 55854 75844 28274 71579
45073 89062 68665 24709 36784 10873 25186 15289 48864 18081
37107 19121 52917 14080 21199 89387 21780 51351 80862 28401
49796 46793 58070 07572 45279 35031 66108 95240 81246 79107
49253 63053 47697 70788 37053 67373 73741 36893 76886 92310
04262 34938 35921 16255 09299 45881 42360 19185 25374 39055
79008 31254 93649 81229 04743 80572 86322 34233 87940 99967
86383 37392 32284 89022 36437 02421 39728 21668 50756 76242
59561 74408 05174

16296/14981/13953 kHz, 05-07, 0910/0930/0950 UTC

06367 00059 94181 98883 78329 86291 19049 17766 35381 13458
96695 10453 92603 05554 90628 09665 43329 24932 46291 83112
26540 97148 68002 70547 75677 37146 19887 44230 96927 83313
71679 67959 14323 71170 70925 68757 07458 50315 29217 31870
22251 61831 99688 54710 68254 00685 72375 96912 86021 36599
01745 45410 48666 62018 09228 57470 61188 03732 24362 86051
83437 00110

13954/12154/11454 kHz, 05-07, 1500/1520/1540 UTC

02172 00001 0000 32660

14958/13958/12158 kHz, 06-07, 1100/1120/1140 UTC

06824 00001 00000 37260

13538/14438/14938 kHz, 06-07/08-07, 1600/1620/1640 UTC

00536 00115 62240 68855 12254 09844 57974 09687 48173 47414
15789 55628 51265 29987 66951 43507 82459 85749 30487 79721
33575 34266 67726 19852 85402 23009 40437 49465 20427 30408
77307 03707 94750 40150 71385 98940 40973 37792 25150 62737
61564 06660 41866 28338 22619 90486 88495 15512 64975 66574
63302 92554 61266 94961 62091 64718 39843 42445 38635 77476
48648 55992 00005 56656 34915 59767 42819 13957 15796 95224
42264 32840 03348 82447 43184 51377 54715 09913 66007 73754
70125 55192 50630 31135 89423 78787 99666 68868 76438 29229
30348 06833 14396 07508 53166 48167 60393 03360 86192 48227
21136 06529 81011 96686 70769 35062 75346 59707 14464 65843
28380 89886 22122 79187 15861 98209 69299 01501

13394/12194/10794 kHz, 06-07/11-07, 2100/2120/2140 UTC

07888 00102 46804 09858 42106 77548 52029 62169 34871 21972
55078 15227 93785 61331 60357 35863 28505 50968 82599 03644
50737 68601 75314 16943 89338 99671 04602 68372 74140 95144
10667 80063 17452 96218 15901 30162 44279 20412 33931 82127
27731 21967 13452 90520 54328 51422 78708 40443 58943 62186
42149 98582 76421 65597 18444 83314 45390 08189 31381 30333
96551 71061 48383 11449 13635 46611 81793 29257 27876 80746
45406 77408 28528 29516 42391 12958 06482 39095 70039 75243
58849 03036 63379 40134 24728 49352 89258 69785 79655 96280
94534 90762 24434 25834 78473 03054 55753 71050 59998 60610
55673 14419 32056 81377 70164

16296/14981/13953 kHz, 07-07, 0910/0930/0950 UTC

06367 00059 94181 88883 78229 86291 19049 17766 35381 13458
96695 00453 92603 05544 90628 09665 33329 24932 46291 83112
26440 97148 68002 70547 75677 37146 18887 44230 96927 83313
71679 67959 14323 71170 70925 68757 07458 50315 29117 31770
22251 61831 99688 44700 68244 00685 72375 96912 86011 36599
01745 44400 48666 61018 09228 57470 61188 03732 24362 86051
83337 00110

17435/16235/14935 kHz, 07-07/08-07/15-07, 1100/1120/1140 UTC

02373 00144 47304 26687 04953 59066 69639 15785 30993 55390
93202 58839 88913 06920 19122 10003 30198 41963 65548 24258
80269 69586 06964 21607 74697 92142 30172 30970 69546 44735
98017 26555 38271 17022 31736 37442 22455 62692 58618 82002
96306 76298 87855 50242 52125 91270 36228 97168 71788 11578
10567 27836 94488 80523 73151 33330 87392 01459 08200 73387
84247 71258 66698 80101 91777 70062 62347 97871 36252 28564
10801 17253 40865 55095 53423 78825 71225 37235 63789 35870
22134 66898 15872 02753 11025 83625 09950 57582 00075 99044
51716 44143 54797 86826 95584 98386 69348 29812 61665 29222
89620 72263 45599 47292 47547 52684 85147 83221 92518 44026
87943 16756 75253 44399 26777 98855 26037 30945 75234 81629
46268 74756 44769 84282 84692 52699 39694 25149 35365 06056
97836 51875 35805 56960 42566 42649 42994 87946 51647 06332
51222 17249 22283 89902 85963 38813 07445

12124/11124/10624 kHz, 07-07/09-07, 2100/2120/2140 UTC

05489 00086 70254 90491 18920 27974 76987 13282 40110 92354
09845 50501 23296 05915 35571 89920 50027 49871 39993 39641
83774 73277 61098 10619 65179 89654 81124 72070 64232 18249
70886 53626 89113 42877 05863 06832 58452 68309 65417 29047
52331 48805 95438 15362 25198 71789 23356 25507 36058 46358
36315 76302 31144 40481 42479 39658 18518 72570 58734 03538
92878 25293 20594 58645 48010 37175 65550 02206 15786 13810
50515 34333 57147 77690 82733 94867 94265 78549 66193 13294
64825 40683 39723 50915 07876 25152 01666 79333 46076

13445/12145/11545 kHz, 08-07, 0910/0930/0950 UTC

06445 00001 00000 35662

14958/13958/12158 kHz, 09-07, 1100/1120/1140 UTC

06685 00001 00000 36666

13445/12145/11545 kHz, 10-07, 0910/0930/0950 UTC

07200 00001 00000 32257

13954/12154/11454 kHz, 10-07, 1500/1520/1540 UTC

02008 00001 00000 35543

16296/14981/13953 kHz, 12-07/14-07, 0910/0930/0950 UTC

00683 00120 04461 14618 42311 56945 94324 21935 26607 73000
69206 17332 87943 84751 81811 35225 13707 16988 30591 07476
15164 19801 45347 40738 82336 32663 66354 81927 54390 33567
95953 81459 68828 89108 78049 87534 29388 07764 17615 99919
97963 11802 20668 28454 09239 43980 39529 55631 71378 70358
87359 33736 03260 88279 33368 58368 98562 59519 39924 66246
12465 52526 42201 82706 10866 50576 60156 91541 98311 14794
24457 95226 20302 78118 91156 15512 19104 64305 50107 96832
07511 42603 57057 84582 05637 94713 88216 65427 98260 44794
08653 14406 43520 32645 06867 82485 59336 76431 23615 08939
64129 64657 54942 70734 78959 39173 25500 01896 97379 82451
18409 67213 50787 62955 89600 66653 46439 51179 17589 01341
90968 17932 23402

13954/12154/11454 kHz, 12-07/17-07, 1500/1520/1540 UTC

12-07, 1500 UTC: stopped after 180 groups

04809 00244 16210 68832 20992 65167 61837 43333 19095 49004
37872 25301 26327 28420 72421 71775 47405 12385 38597 11608
95361 35846 48813 73926 26569 98627 87338 72766 95842 74873
97981 97393 60299 15231 53399 32027 91927 77191 06887 69960
14897 20175 23994 62255 81885 71479 50458 94622 23734 90627
32008 12651 80127 83952 24467 01140 18180 96117 40958 00288
41953 62656 03796 13146 21764 58155 72305 54598 94014 31866
52579 96508 26702 58147 50044 76297 51598 19091 66662 53847
96470 88599 80877 55127 69958 68397 76335 56885 02248 58817
63634 41332 21436 57541 24403 61256 47013 30382 58318 18328
04561 16689 99798 93439 51627 81268 80298 54536 44458 51116
14956 28491 34941 25388 20708 88638 74222 82011 01078 17950
96071 59607 89968 94582 44663 93067 52122 86302 45779 61781
95865 49839 14811 31602 46202 52196 21713 35084 74966 75741
62510 56968 21748 74202 01958 66004 25771 01561 57772 57656
32957 86541 15253 90963 93616 05768 55644 59964 05570 86076
12782 57270 47495 21666 05423 40740 66837 39927 96969 47039
62833 87159 74840 10278 90829 34039 96043 24393 80825 19147
14991 77699 42247 87622 41776 37239 81293 86561 41977 26338
04731 60257 05510 90278 28330 99345 59858 16676 75258 20348
26689 34801 30123 76627 64799 87609 60611 30126 97890 86012
96875 88610 76025 10858 22784 70789 22381 79313 74323 54459
40811 87783 59287 95208 84697 53245 28111 18845 75799 27933
61002 42176 19931 20784 36284 39576 98308 83396 90214 78568
05040 07243 22923 89382 82453 91116 17304

14958/13958/12158 kHz, 13-07/16-07/20-07/24-07, 1100/1120/1140 UTC

00225 00068 45939 77861 43653 92969 01128 42853 63229 57695
41585 85001 94698 57731 62238 69496 61241 46638 74458 39538
09943 75552 28824 78085 28647 25917 98887 41199 32119 58830
13335 33165 93152 31675 91716 00117 86759 39536 14242 04944
09189 08111 11501 63558 60173 34403 47699 53115 94362 71554
94473 26595 15681 60104 87820 01143 38584 14273 57762 91928
46943 85994 76423 24281 10889 20769 69795 48000 23612 51263
17000

13538/14438/14938 kHz, 13-07, 1600/1620/1640 UTC

07638 00001 00000 40262

13394/12194/10794 kHz, 13-07/18-07, 2100/2120/2140 UTC

00119 00086 22679 29493 25819 91136 42547 97039 27363 97471
87142 79692 85239 22753 39929 69381 05603 83020 95877 26116
61631 06474 33540 19534 51546 71670 99427 19905 71906 87510
01404 18494 18542 74515 22336 73209 84868 02256 75572 78390
42144 96373 06464 83528 55934 68910 18060 35998 49503 09169
09109 40866 30296 25162 96835 88255 80563 79093 28661 58799
35872 69754 33239 97053 03409 33792 21858 60167 76758 65562
95363 90350 19619 72857 35122 89725 69369 31738 56250 07015
85389 64789 77199 07128 71683 89593 75745 09521 31100

12124/11124/10624 kHz, 14-07/16-07, 2100/2120/2140 UTC

00748 00096 38257 57709 55290 83820 64457 44415 50726 21779
83418 40842 43265 25237 43116 99879 35317 11271 08694 38913
33338 52719 69363 80798 60797 66799 24094 36159 83510 55552
08199 31640 85072 35587 18063 46844 29713 76589 02387 23810
83506 98980 60876 47961 71783 29943 87027 63719 35978 84488
93158 18719 03028 45745 44428 85643 05535 27421 95820 76261
15910 44410 24765 21966 55458 34544 08037 32814 99893 38768
01586 19103 26643 24509 21277 18756 38435 74332 69975 59382
62539 05580 76236 04621 35303 06367 29637 57347 75690 92806
05856 10074 07524 33530 03632 50163 16814 74536 55633

13445/12145/11545 kHz, 15-07, 0910/0930/0950 UTC

05703 00001 00000 36255

13538/14438/14938 kHz, 15-07, 1600/1620/1640 UTC

02261 00001 00000 32660

13445/12145/11545 kHz, 17-07, 0910/0930/0950 UTC

05487 00001 00000 36665

12148/13448/13948 kHz, 19-07, 0700/0720/0740 UTC

00342 00210 69080 91743 49255 84576 05342 39220 56444 28193
32334 04390 83222 85909 63098 99509 73777 37315 56626 82998
38877 87103 41186 61396 91181 07627 33763 32747 49775 95158
90077 97720 09230 65204 20388 50496 64464 07335 23725 92598
77001 70381 38272 11858 06201 23491 18119 41933 15554 71185
37400 41239 92274 48416 04848 38511 71193 41008 76204 99387
37445 22044 22900 43703 61670 40821 18604 27166 77557 30927
81228 75578 77799 41774 48754 23328 86298 40777 86197 50873
40062 34445 00776 55366 73600 76988 18033 11102 31200 04528
15144 97886 99344 67744 59580 31172 82973 63326 44023 25198
38877 77830 33261 42140 72151 49193 44719 78206 25385 83888
10762 55550 60436 36749 98333 65440 66731 48871 27711 58888
54348 62950 51162 53311 29694 33962 55555 46656 50186 78152
94388 39741 95223 37101 54200 52623 55854 75844 28274 71568
44073 88062 67665 23709 36674 10873 25186 15288 48864 18081
37107 19111 52917 14080 21199 88387 21770 51241 80862 28400
49786 46683 58070 07562 44278 34031 66008 95230 81136 78107
49253 63053 47697 70777 37053 66373 73741 36783 76776 92210
04262 33938 34921 16255 09299 44880 42260 19185 25374 39055
78008 31154 93649 81119 04743 80562 86322 33222 87840 99966
86383 37392 32284 88011 36437 02321 39728 21668 50755 76232
59551 74448 05174

16296/14981/13953 kHz, 19-07, 0910/0930/0950 UTC

05967 00001 00000 41263

12158 kHz, 19-07, 1200 UTC

04124 00150 46527 13931 21288 41809 87774 30681 13476 25326
85294 70361 75694 79773 07020 86425 98641 24737 37974 57438
37585 05096 06001 89181 21400 38284 02132 13890 74877 76865
56616 13472 22245 85789 51274 83633 69629 45970 78068 42318
29960 43878 86135 36950 25981 70599 60541 69924 06292 06715
82706 69152 47971 71619 37610 53050 03431 32485 67390 26474
89521 15600 39542 03668 57862 53617 88311 18220 76371 72979
90798 10896 78532 46421 21360 94145 34927 71420 09262 80957
17666 86089 69342 39354 21120 28742 84673 57259 01533 06739
87314 96353 99660 12616 57763 15889 61453 11524 94610 15921
89663 19773 37557 74029 07467 11651 66661 75712 13781 28042
74620 05992 93167 71830 26908 70554 20134 29351 15892 72014
10640 04643 09449 92824 77228 78080 59413 24734 73921 20493
53866 37362 24738 14307 45477 47015 63155 10749 40001 25639
87318 99081 66206 83277 16813 44465 91717 90965 29933 77943
82868 18174 13516

13954/12154/11454 kHz, 19-07, 1500/1520/1540 UTC

09938 00001 00000 41664

13394/12194/10794 kHz, 20-07/25-07, 2100/2120/2140 UTC

05817 00106 38571 73100 77611 78695 08959 10262 62838 85900
40215 71430 53888 36047 39090 48026 30331 43697 51951 95523
66345 97341 76435 89145 54708 42902 76402 69416 45967 94232
55679 04744 51344 31617 67576 25253 97809 53493 93278 00613
60911 42246 49894 43437 65597 26838 63763 57115 11823 38278
42110 55448 34453 47918 21342 04306 78174 10131 11178 64464
37973 53532 50133 82616 42872 97921 64644 07141 39181 92364
42989 31536 88195 79603 35226 60928 95854 15809 50031 24876
63050 34779 83797 46258 50298 25111 53997 82838 34150 79894
61039 95186 47607 67588 93349 61751 30735 71678 35309 92422
90617 47937 58968 07234 53775 82144 13564 34400 11626

16296/14981/13953 kHz, 21-07, 0910/0930/0950 UTC

04134 00001 00000 33657

17435/16235/14935 kHz, 21-07, 1100/1120/1140 UTC

04111 00001 00000 32655

12124/11124/10624 kHz, 21-07/23-07, 2100/2120/2140 UTC

06377 00102 66535 00802 28233 54400 55396 37027 74278 96147
11619 05869 01855 25419 75503 38138 20670 61386 04377 01049
92078 25421 83053 44407 35867 89739 33194 33359 33603 27357
58708 92661 14463 71475 63409 98018 30788 17309 09586 80338
43086 33046 75208 85044 80201 64896 86891 44316 93964 49622
22668 53027 24936 83297 15247 16388 53306 85505 57575 75545
38656 28573 78032 28308 90073 50601 81581 20170 76040 26937
32360 57340 59278 76202 81130 08830 30033 00605 19650 39985
75505 67086 15397 69183 61140 01704 53408 67430 57919 07913
50912 08636 82159 56864 15231 92870 49305 74989 16068 14488
34897 01338 13220 55241 66561

13445/12145/11545 kHz, 22-07/24-07, 0910/0930/0950 UTC

00554 00120 42530 93597 82272 65688 43710 18230 57646 81021
29048 05955 21671 11671 89821 50741 64509 78211 28064 27540
37448 09308 57321 09742 01591 45053 07312 63424 00415 92568
16509 19573 06312 16110 04188 13769 94605 11552 89205 36081
65677 01462 17586 36135 45031 30593 26684 44983 13467 55386
65686 44300 51157 72728 44795 05230 59500 33334 94646 55786
85958 66861 27913 63239 34074 79349 94847 83573 70008 25382
42527 39589 09376 85738 42478 57564 98837 81865 42232 37131
89447 66376 07399 01777 55784 03397 53961 21653 79464 85343

31802 28215 85539 19394 08725 85655 04196 86625 75154 97165
60407 18306 77795 34474 03633 68180 15796 01031 98416 43585
45307 12390 31234 44752 02601 60182 57465 13092 59767 46498
35627 36772 00145

17435/16235/14935 kHz, 22-07, 1100/1120/1140 UTC
03239 00001 00000 36656

13538/14438/14938 kHz, 22-07, 1600/1620/1640 UTC
08486 00001 00000 36270

13954/12154/11454 kHz, 23-07, 1500/1520/1540 UTC
03731 00001 00000 35256

12148/13448/13948 kHz, 26-07, 0700/0720/0740 UTC
08234 00001 00000 34263

16296/14981/13953 kHz, 26-07/28-07, 0910/0930/0950 UTC
09079 00086 45095 86303 36914 70676 14368 92576 26341 67389
69220 65103 38278 53594 62960 60311 00235 96460 13090 82624
96218 43107 68327 12119 23689 76946 22599 55826 77272 85130
17171 70695 28494 35885 75675 26594 15370 13949 40640 40315
23490 89581 73642 23513 27149 58175 89156 32497 10252 02433
74154 12794 46087 26034 67524 61814 93197 39615 69115 69415
55936 42461 71284 40474 39016 49104 78562 17370 31527 21718
66935 07399 06772 26307 43183 96300 25033 94359 00876 38926
61212 42783 08692 06743 30175 30862 77537 37024 57554

13954/12154/11454 kHz, 26-07, 1500/1520/1540 UTC
05593 00001 00000 35267

14958/13958/12158 kHz, 27-07, 1100/1120/1140 UTC
08366 00001 00000 35666

13538/14438/14938 kHz, 21-07, 1600/1620/1640 UTC
05802 00001 00000 36255

13394/12194/10794 kHz, 27-07, 2100/2120/2140 UTC
09728 00156 69196 76337 57197 04318 07154 27014 64196 92260
84325 86054 80822 86055 98068 57593 39633 03269 15531 09194
17429 34707 38385 46701 42558 49135 07164 12446 77737 21248
53969 68098 00219 15473 50904 83776 47227 37286 85420 92567
92291 74633 36529 07411 37746 31142 41399 15194 27479 53038
94863 53585 34600 04755 28895 46899 01559 31716 54508 85707
47987 67514 74941 77645 48619 48523 69140 14583 95802 45483
37417 59863 62210 38680 08096 16542 32941 94101 42289 51621
27964 41061 82152 81446 72765 55478 29902 90411 52893 60983
16749 79870 13019 16012 02691 38209 82749 72491 79069 94845
00285 67149 32783 89296 16721 95515 96508 99351 12269 15832
20296 66242 56333 03787 15332 55301 15643 44090 35003 63814
77829 37273 90581 26768 76461 69330 36188 59116 51196 87804
45661 02754 08284 65987 11301 79069 92869 33731 83243 06384
71500 39142 32230 70655 87876 62514 97251 79303 63139 46958
30899 47057 91289 23940 55933 23652 65627 76060 12443

12148/13448/13948 kHz, 28-07, 0700/0720/0740 UTC
05987 00001 00000 41265

17435/16235/14935 kHz, 28-07/29-06, 1100/1120/1140 UTC
04402 00039 84935 01219 79903 74883 04765 55988 31995 18592
39299 73457 99979 71870 70567 95206 39180 05869 74315 55689
19296 75579 25088 55040 82832 99463 48459 55561 53887 71174
88217 82296 16812 71151 95490 80584 41068 82794 85631 80269
80902 62062

12124/11124/10624 kHz, 28-07/30-07, 2100/2120/2140 UTC

00386 00128 46661 44033 89433 80997 78251 64476 75048 29874
54072 70783 14904 27815 57726 45345 18284 88917 29899 44640
73407 03494 38715 42327 89732 13965 75769 26184 57698 25282
07878 46395 13661 55655 43305 22257 00486 96399 53393 07229
42469 29868 33058 65484 89050 71032 35344 48967 25289 83137
96303 96126 91036 20314 06463 09197 13171 39614 15474 09259
38417 60449 38656 57134 90711 72996 70963 22197 49862 72692
96513 48934 37380 80855 62499 57120 68562 65803 49687 15463
44284 29971 31707 04413 98255 85085 89091 97494 55655 74155
67601 53321 82196 35568 59114 03998 27713 81649 64916 47210
14266 85997 87190 62250 41596 18844 58838 23014 60222 94590
77372 88256 17071 63089 83565 91190 58604 20825 72584 48908
94602 86802 26756 29994 00702 74034 83251 45519 97732 47804
06073

13445/12145/11545 kHz, 29-07/31-07, 0910/0930/0950 UTC

03604 00066 23351 44350 41700 29705 34172 35886 02234 49760
98830 51724 64667 41197 70021 30916 03565 50233 00698 79149
77396 26163 11983 45312 85807 27500 30786 72000 31452 25049
60672 66700 70100 12608 46048 27534 96768 18798 48293 80485
13226 04479 66434 56959 08692 95852 14167 58647 45047 03155
54138 78561 39320 05655 26810 36854 94552 68953 77460 34686
14084 74692 73862 32962 44122 52937 52457 59864 52770

13538/14438/14938 kHz, 29-07, 1600/1620/1640 UTC

03309 00001 00000 37253

14958/13958/12158 kHz, 30-07, 1100/1120/1140 UTC

06101 00001 00000 32256

13954/12154/11454 kHz, 31-07, 1500/1520/1540 UTC

06785 00001 00000 37266

XPB1

11168 kHz, 05-07/06-07/12-07/13-07/19-07/20-07/26-07/27-07, 0500 UTC
11468 kHz, 05-07/06-07/12-07/13-07/19-07/20-07/26-07/27-07, 0510 UTC
12168 kHz, 05-07/06-07/12-07/13-07/19-07/20-07/26-07/27-07, 0520 UTC
13368 kHz, 05-07/06-07/12-07/13-07/19-07/20-07/26-07/27-07, 0530 UTC
13969 kHz, 05-07/06-07/12-07/13-07/19-07/20-07/26-07/27-07, 0540 UTC
14569 kHz, 05-07/06-07/12-07/13-07/19-07/20-07/26-07/27-07, 0550 UTC

13884 kHz, 21-07/24-07/28-07/31-07, 1100 UTC
13384 kHz, 21-07/24-07/28-07/31-07, 1110 UTC
12184 kHz, 21-07/24-07/28-07/31-07, 1120 UTC
11584 kHz, 21-07/24-07/28-07/31-07, 1130 UTC
11084 kHz, 21-07/24-07/28-07/31-07, 1140 UTC
10584 kHz, 21-07/24-07/28-07/31-07, 1150 UTC

15876 kHz, 03-07/05-07/10-07/12-07/17-07/19-07/24-07/26-07/31-07, 1200 UTC
14876 kHz, 03-07/05-07/10-07/12-07/17-07/19-07/24-07/26-07/31-07, 1210 UTC
14376 kHz, 03-07/05-07/10-07/12-07/17-07/19-07/24-07/26-07/31-07, 1220 UTC
13976 kHz, 03-07/05-07/10-07/12-07/17-07/19-07/24-07/26-07/31-07, 1230 UTC
13376 kHz, 03-07/05-07/10-07/12-07/17-07/19-07/24-07/26-07/31-07, 1240 UTC
12176 kHz, 03-07/05-07/10-07/12-07/17-07/19-07/24-07/26-07/31-07, 1250 UTC

14644 kHz, 04-07/06-07/11-07/13-07/18-07/20-07/26-07/27-07/25-07/27-07, 1900 UTC
13444 kHz, 04-07/06-07/11-07/13-07/18-07/20-07/26-07/27-07/25-07/27-07, 1910 UTC
12144 kHz, 04-07/06-07/11-07/13-07/18-07/20-07/26-07/27-07/25-07/27-07, 1920 UTC
11044 kHz, 04-07/06-07/11-07/13-07/18-07/20-07/26-07/27-07/25-07/27-07, 1930 UTC
10344 kHz, 04-07/06-07/11-07/13-07/18-07/20-07/26-07/27-07/25-07/27-07, 1940 UTC
9244 kHz, 04-07/06-07/11-07/13-07/18-07/20-07/26-07/27-07/25-07/27-07, 1950 UTC

Q26 - Chinese military

14553 kHz, 14-07, 0830 UTC

0039 98 51 0714 1514

FSZF---F7ZF=FSFF

1213 0030 6200 9343 4325 9167 7580 2792 1959 1982

4816 1105 4895 7515 3240 1850 8439 8496 9483 2478

3456 3937 2743 8806 1734 9588 1996 0451 2252 9191

3002 4210 9789 6168 7588 3768 5428 9930 7985 6589

1182 9861 9746 5582 9031 9458 3650 9702 8974 1657

0975 2015 6427 5421 1020 1504 2687 0272 8435 1276

8336 3991 0542 2331 5660 1197 5463 5575 6557 4780

7315 6244 1895 9152 3631 7966 8363 2333 0096 8594

9653 1119 9358 7376 0281 8031 0399 8945 5833 1272

6832 5225 3090 8166 2977 0367 2138 4293

HR MSG AGN

0039 98 51 0714 1514

FSZF---F7ZF=FSFF

1213 0030 6200 9343 4325 9167 7580 2792 1959 1982

4816 1105 4895 7515 3240 1850 8439 8496 9483 2478

3456 3937 2743 8806 1734 9588 1996 0451 2252 9191

3002 4210 9789 6168 7588 3768 5428 9930 7985 6589

1182 9861 9746 5582 9031 9458 3650 9702 8974 1657

0975 2015 6427 5421 1020 1504 2687 0292 8435 1276

8336 3991 0542 2331 5660 1197 5463 5575 6557 4780

7315 6244 1895 9152 3631 7966 8363 2333 0096 8594

9653 1119 9358 7376 0281 8031 0399 8945 5833 1272

6832 5225 3090 8166 2977 0367 2138 4293

A HR MSG GA

DIPLOMATIC STATIONS

Egyptian diplomatic stations

14421.7 kHz, 09-07, 1520 UTC, SITOR-A 100/170

Egyptian diplo i.p. YKH KDKOJKD KDXKMFH KDS 212 ... MMM NNN

UTILITY ROUND-UP

North Korean military

4416 kHz, 03-07, 1220 UTC, CW, i.p.

VVV 8F8 DE 2GK QRU

..297 ..2.. SK SK T T

4942.9 kHz, 11-07, 1754 UTC, CW, i.p.

VVV 2WR DE 2C5 370 370

SK 370 SK 370

...6989 6701 6322 23A .. 77 .. 7565 7.65 376 2257 84630

803. 79.4 6.89 3678 6322 .. QRU 400 5400 K

PROMRÖ

Unid Bulgarian station with a daily schedule on 4735 kHz at 0700 UTC (summertime) or 0800 UTC (wintertime). The messages are hand-keyed. Depending on the operator it sends the date as = 0111 = or = 01 11 = and midnight as 2400 or 0000. Sometimes = ABV = but most of the time = ABV. ABV means "I repeat".

4735 kHz, 04-07, 0700 UTC

VVV VVV PROMRÖ = 04 07 =
 1000 0570 0600 0710 1140
 1200 0580 0610 0720 1180
 1400 0560 0600 0700 1170
 1600 0540 0570 0670 1100
 1800 0520 0550 0640 0920
 2000 0620 0640 0730 1010
 2200 0610 0640 0720 0000
 0000 0510 0530 0610 0830
 0200 0420 0430 0490 0670
 0400 0370 0390 0440 0610
 0600 0450 0470 0550 0800
 0800 0530 0550 0660 1010
 = ABV
 VVV VVV PROMRÖ = 04 07 =
 1000 0570 0600 0710 1140
 1200 0580 0610 0720 1180
 1400 0560 0600 0700 1170
 1600 0540 0570 0670 1100
 1800 0520 0550 0640 0920
 2000 0620 0640 0730 1010
 2200 0610 0640 0720 0000
 0000 0510 0530 0610 0830
 0200 0420 0430 0490 0670
 0400 0370 0390 0440 0610
 0600 0450 0470 0550 0800
 0800 0530 0550 0660 1010
 = AR

4735 kHz, 08-07, 0700 UTC

VVV VVV PROMRÖ = 0807 =
 1000 0570 0600 0710 1140
 1200 0590 0620 0720 1180
 1400 0570 0600 0710 1170
 1600 0540 0570 0680 1090
 1800 0530 0560 0650 0930
 2000 0620 0640 0730 1010
 2200 0620 0640 0730 1000
 0000 0510 0530 0610 0840
 0200 0430 0440 0500 0680
 0400 0380 0390 0450 0620
 0600 0450 0480 0560 0800
 0800 0530 0560 0670 1010
 = ABV
 VVV VVV PROMRÖ = 0807 =
 1000 0570 0600 0710 1140
 1200 0590 0620 0720 1180
 1400 0570 0600 0710 1170
 1600 0540 0570 0680 1090
 1800 0530 0560 0650 0930
 2000 0620 0640 0730 1010
 2200 0620 0640 0730 1000
 0000 0510 0530 0610 0840
 0200 0430 0440 0500 0680
 0400 0380 0390 0450 0620
 0600 0450 0480 0560 0800
 0800 0530 0560 0670 1010
 = AR

4735 kHz, 11-07, 0700 UTC

VVV VVV PROMRÖ = 11 07 =
 1000 0570 0600 0720 1140
 1200 0600 0620 0730 1180
 1400 0580 0610 0730 1170
 1600 0540 0570 0680 1190
 1800 0530 0560 0650 0930
 2000 0620 0650 0730 1010
 2200 0620 0640 0730 1000
 0000 0510 0530 0600 0820
 0200 0430 0440 0050 0680
 0400 0380 0400 0450 0620
 0600 0450 0480 0560 0620
 0800 0430 0530 0560 1000
 = ABV
 VVV VVV PROMRÖ = 11 07 =
 1000 0570 0600 0720 1140
 1200 0600 0620 0730 1180
 1400 0580 0610 0730 1170
 1600 0540 0570 0680 1190
 1800 0530 0560 0650 0930
 2000 0620 0650 0730 1010
 2200 0620 0640 0730 1000
 0000 0510 0530 0600 0820
 0200 0430 0440 0050 0680
 0400 0380 0400 0450 0620
 0600 0450 0480 0560 0620
 0800 0430 0530 0560 1000
 = AR

EMERGENCY ACTION MESSAGES & FOXTROT MESSAGES

Frequencies: 4724, 8992, 11175, 15016 kHz.

| Date | UTC | Callsign | Details |
|-------|------|-----------|--------------------------------------------------------|
| 01-07 | 2132 | Wire Barb | 30 chr EAM UPKF26 AO32A2IAWKLT56APNKEYT5QX |
| 01-07 | 2135 | Wire Barb | 30 chr EAM UPYS6E YXKJAK24A5QAZLG5VVZML4D7 |
| 01-07 | 2143 | Wire Barb | 30 chr EAM UPM373 PHDC4HQKDQNZHI2DDLIGB2KC |
| 01-07 | 2258 | Wire Barb | 30 chr EAM UPTCKE 22PDAZC34UAGCS7ETEP2AKMD |
| 01-07 | 2200 | Wire Barb | 30 chr EAM UPFYKI 3VNUVSETBCFE44F3YQB7JAG6 |
| 01-07 | 2202 | Wire Barb | 30 chr EAM UPL7TE LUSUKZMJZFWNJVLTXYOIJ6T3 |
| 01-07 | 2205 | Wire Barb | 30 chr EAM UPFYKI 3VNUVSETBCFE44F3YQB7JAG6 |
| 01-07 | 2208 | Wire Barb | 30 chr EAM UPTCKE 22PDAZC34UAGCS7ETEP2AKMD |
| 01-07 | 2210 | Wire Barb | 30 chr EAM UPM373 PHDC4HQKDQNZHI2DDLIGB2KC |
| 01-07 | 2212 | Wire Barb | 30 chr EAM UPYS6E YXKJAK24A5QAZLG5VVZML4D7 |
| 01-07 | 2215 | Wire Barb | 30 chr EAM UPKF26 AO32A2IAWKLT56APNKEYT5QX |
| 01-07 | 2223 | Wire Barb | 41 chr EAM E44Z3H TOICSQ2X5IESAEFXHINFNLSFBSZWXXIXGP |
| 01-07 | 2253 | Wire Barb | 30 chr EAM E4CAXU KGKNCDXKTQPQPP64QGI36DQ |
| 02-07 | 0002 | Wind Pipe | 30 chr EAM UPF5IB WMSX7S6MIY5DTHAYHTO6KEPG |
| 02-07 | 0007 | Wind Pipe | 30 chr EAM UPJGGF PDQWXUQRXYOBAJW6HXQU6YO5 |
| 02-07 | 0028 | Wind Pipe | 30 chr EAM UPZYKR 3GE6UO6O7QV5KUYSRN4IQVKH |
| 02-07 | 2333 | Wind Pipe | 30 chr EAM UPEROP AC2K7IT4YAMDTFVZ2IKMTZ6L |
| 05-07 | 1539 | Dear Horn | 30 chr EAM for Crisp-21 E43UH3 T5R3C3PMPFWWFUMIEHIXOTL |
| 05-07 | 1729 | Dear Horn | 30 chr EAM UPDVAK KBOIJYE67UUSPRD7BPR7SUYW |
| 06-07 | 1723 | Base Drum | 37 chr EAM E4P64X V4DCO6PW3DKPDGN37IEQ66ZGFVWXQI4 |

| | | | |
|-------|------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 06-07 | 1931 | Base Drum | 30 chr EAM UP7NMMU LCLQ7FGDAGN2ND5YOG6SEWFFY |
| 06-07 | 2030 | Base Drum | 30 chr EAM UP7NMMU LCLQ7FGDAGN2ND5YOG6SEWFFY |
| 06-07 | 2100 | Base Drum | 30 chr EAM UP7NMMU LCLQ7FGDAGN2ND5YOG6SEWFFY |
| 06-07 | 2130 | Base Drum | 30 chr EAM UP7NMMU LCLQ7FGDAGN2ND5YOG6SEWFFY |
| 07-07 | 1418 | Headlong | 30 chr EAM for Hump-37 E4EGXS OBB6A4HKOBZVG3GOWW72ZOA |
| 07-07 | 1447 | Headlong | 30 chr EAM UPDFQK SFVBUHGWOGDCTEREQCKQ7RTF |
| 07-07 | 1501 | Headlong | 30 chr EAM UPDFQK SFVBUHGWOGDCTEREQCKQ7RTF |
| 07-07 | 1530 | Headlong | 30 chr EAM UPDFQK SFVBUHGWOGDCTEREQCKQ7RTF |
| 07-07 | 1600 | Headlong | 30 chr EAM UPDFQK SFVBUHGWOGDCTEREQCKQ7RTF |
| 07-07 | 1630 | Headlong | 30 chr EAM UPDFQK SFVBUHGWOGDCTEREQCKQ7RTF |
| 07-07 | 1647 | Headlong | 30 chr EAM for Duck E4OCSM X2W2BJOHRADS7HSB5N2DOC76 |
| 07-07 | 1702 | Headlong | 30 chr EAM for Duck E4X7DY CYHMAEUZYICNZGN7WWYCPKAD |
| 07-07 | 1721 | Headlong | 37 chr EAM E4LIR4 ILRTE3JCFWK7GDI47AXRHFDPXICIE |
| 07-07 | 1844 | Headlong | 30 chr EAM for Milk E4QD6Z NWE2MB6EBLAXLGKMQ6U5NGWX |
| 07-07 | 2241 | Headlong | 30 chr EAM UPEYF2 O373OELF7B3UZCRHXOVZGYIJ |
| 08-07 | 0021 | Doxology | 56 chr EAM E46FTT 3CNCFHQ5JQN2RDXNPVRJPAMDf23GQKEIHGQPAF7YCVGQKE2HGA |
| 08-07 | 0045 | Doxology | 30 chr EAM UP762P FS4YJPUO7Z27675XQE62RQFM |
| 08-07 | 0049 | Doxology | 30 chr EAM UPVLQI WLS2SI4VWZOYJ3A6XM7FSL46 |
| 08-07 | 0101 | Doxology | 30 chr EAM UPGUMW 2ZUO2ZP6V2W5IMJJXXEL3WN6 |
| 08-07 | 0130 | Doxology | 30 chr EAM UPGUMW 2ZUO2ZP6V2W5IMJJXXEL3WN6 |
| 08-07 | 0200 | Doxology | 30 chr EAM UPGUMW 2ZUO2ZP6V2W5IMJJXXEL3WN6 |
| 08-07 | 0230 | Doxology | 30 chr EAM UPGUMW 2ZUO2ZP6V2W5IMJJXXEL3WN6 |
| 08-07 | 0330 | Doxology | 30 chr EAM UPGUMW 2ZUO2ZP6V2W5IMJJXXEL3WN6 |
| 08-07 | 0703 | Doxology | 30 chr EAM UPHHY2 5VOZNDN4JRX6IJUXOTMVJRCL |
| 08-07 | 1444 | Doxology | 30 chr EAM UPSHWG GVIX2C3BRNEK4EZEWBDR03AH |
| 08-07 | 1448 | Doxology | 30 chr EAM UP5LIC GNI3OBOYHFDK3AZGMMEVOC6N |
| 08-07 | 1451 | Doxology | 30 chr EAM UPAF2Q HEBDYIPKIJ6OOWUZHKTWVOI2 |
| 08-07 | 1455 | Doxology | 30 chr EAM for Electroscope E47JE2 RGACMSLRHLHRX7YKFV3CQSQP3 |
| 08-07 | 1500 | Doxology | 30 chr EAM for Region Charly E4RQT7 322CPVF6CIXIZO5ZIKDJTE6C |
| 08-07 | 1503 | Doxology | 30 chr EAM UP2TCI Q2V3NUIYWU3YXZPTFNQTNX2 |
| 08-07 | 1508 | Doxology | 30 chr EAM UP2TCI Q2V3NUIYWU3YXZPTFNQTNX2 |
| 08-07 | 1512 | Doxology | 30 chr EAM UPAF2Q HEBDYIPKIJ6OOWUZHKTWVOI2 |
| 08-07 | 1514 | Doxology | 30 chr EAM UP5LIC GNI3OBOYHFDK3AZGMMEVOC6N |
| 08-07 | 1528 | Doxology | 36 chr EAM E4F6UP UCBELMRXHU7EBRYCCQ5HBA7E46HE |
| 08-07 | 1733 | Doxology | 30 chr EAM UP7LAV LMXEUCZCYB42EEEE2IE532YN |
| 08-07 | 1759 | Doxology | 30 chr EAM UP7LAV LMXEUCZCYB42EEEE2IE532YN |
| 08-07 | 1830 | Doxology | 30 chr EAM UP7LAV LMXEUCZCYB42EEEE2IE532YN |
| 09-07 | 1424 | Choke Rod | 158 chr EAM I6HZCZ JHS5X2NC6ZCBFWGCGYGLS4HSYHARUT776CCERRRRVDWWDCDBTDCJ QQRYJQFFFFSQHGFHIVVBZ6555AGRXXXXF7TU5JEU424UUUJDQOOO3EL7HA7YJXIVEPV SPLRD3EQY3DM272PZH2YYYSDDTRQ4BJ |
| 09-07 | 1747 | Choke Rod | 30 chr EAM UPVQBZ VEZE73AH7YU2HXRDDYRVPE3 |
| 09-07 | 1800 | Choke Rod | 30 chr EAM UPVQBZ VEZE73AH7YU2HXRDDYRVPE3 |
| 09-07 | 1832 | Choke Rod | 30 chr EAM UPVQBZ VEZE73AH7YU2HXRDDYRVPE3 |
| 09-07 | 1900 | Choke Rod | 30 chr EAM UPVQBZ VEZE73AH7YU2HXRDDYRVPE3 |
| 10-07 | 1506 | Syndrome | 30 chr EAM UP4RHG UUMFUDJSHXHN6RQI42SJYVZO |
| 10-07 | 1509 | Syndrome | 30 chr EAM UPZUPU YK4SKTSFTTTAPE6LU3KVDZAY |
| 10-07 | 1514 | Syndrome | 30 chr EAM UP6DWG XL3HZDJEZWMUAWUIMH46QTI |
| 10-07 | 1547 | Syndrome | 30 chr EAM for Tango-55 E4MVZW KHEDIF7U46GYMRQLBNZP6DLA |
| 10-07 | 1616 | Syndrome | 30 chr EAM UPTVML 6CTKBULVSP3CQYWNS4WSYQIG |
| 10-07 | 1654 | Syndrome | 30 chr EAM for Hexad E4MIVY AOSACPT5VSM676WOU2CNSBDR |
| 10-07 | 1700 | Syndrome | 30 chr EAM UPTVML 6CTKBULVSP3CQYWNS4WSYQIG |
| 10-07 | 1730 | Syndrome | 30 chr EAM UPTVML 6CTKBULVSP3CQYWNS4WSYQIG |
| 10-07 | 2015 | Syndrome | 30 chr EAM UP24UK 3YZH6AKKBOBIBEEZZMEF5ZOX |
| 10-07 | 2029 | Syndrome | 30 chr EAM UPIU7E QA4WNVIOGGZ5KSKD4UJB2LMV |
| 10-07 | 2031 | Syndrome | 30 chr EAM UPIU7E QA4WNVIOGGZ5KSKD4UJB2LMV |
| 10-07 | 2034 | Syndrome | 30 chr EAM UP24UK 3YZH6AKKBOBIBEEZZMEF5ZOX |
| 10-07 | 2049 | Syndrome | 30 chr EAM UPAGA6 S7J2T6SPCENHXWU6QXQWB54N |
| 10-07 | 2052 | Syndrome | 30 chr EAM UPQR7Y 6VARECWAHO7GM32ATDCG36NZ |
| 10-07 | 2100 | Syndrome | 30 chr EAM UPQR7Y 6VARECWAHO7GM32ATDCG36NZ |
| 10-07 | 2106 | Syndrome | 30 chr EAM UP2P7V VIY4OSI5V7IURUNPFYYA6CLN |
| 10-07 | 2109 | Syndrome | 30 chr EAM UPBPHV CFCGGP6HKMHCFUBHWS2IJD |
| 10-07 | 2112 | Syndrome | 30 chr EAM UPIU7E QA4WNVIOGGZ5KSKD4UJB2LMV |

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|-------|------|-----------|------------------------------------------------------------|
| 10-07 | 2115 | Syndrome | 30 chr EAM UP24UK 3YZH6AKKBOBIBEEZZMEF5ZOX |
| 10-07 | 2226 | Syndrome | 30 chr EAM for Hexad E46TBG LY7UUX42YF6BZF55LDKBE4S4 |
| 10-07 | 2244 | Syndrome | 30 chr EAM for Hexad E4Y6KD HZEPUP3BU4LGFITSEWPOM7F3 |
| 11-07 | 1800 | Flint Gun | 30 chr EAM UPQFLR TFEFYMPI4NKDYUFLGZQSYUJE |
| 11-07 | 1802 | Flint Gun | 30 chr EAM for Pump E4DRHB HS6A3Q6UOEUNQ7ASS3K76BV |
| 11-07 | 1804 | Flint Gun | 30 chr EAM UP7PJD FDIDB6EH76LVLDZYZSHZY4A7J |
| 11-07 | 1830 | Flint Gun | 30 chr EAM UPQFLR TFEFYMPI4NKDYUFLGZQSYUJE |
| 11-07 | 1833 | Flint Gun | 30 chr EAM UP7PJD FDIDB6EH76LVLDZYZSHZY4A7J |
| 11-07 | 1900 | Flint Gun | 30 chr EAM UPQFLR TFEFYMPI4NKDYUFLGZQSYUJE |
| 11-07 | 1903 | Flint Gun | 30 chr EAM UP7PJD FDIDB6EH76LVLDZYZSHZY4A7J |
| 12-07 | 1544 | Toadstool | 30 chr EAM UPHYBU TMZPPFV27GSJUYIQNX6XQNTV |
| 12-07 | 1550 | Toadstool | 30 chr EAM UP7IEA Z7X2ONT2CZ4KVPSPXLE4D2TA |
| 12-07 | 1937 | Toadstool | 30 chr EAM UPQSGW CI2SPNUIYHNRFIGIQZEO2XY6 |
| 12-07 | 2235 | Toadstool | 30 chr EAM UPHLSK FLNFMNQD65RYGP7A5C6UAI6W |
| 12-07 | 2309 | Toadstool | 30 chr EAM UPCMNW AD3ZPG6WERP4YQI3EOHNF6C3 |
| 13-07 | 0133 | Big John | 30 chr EAM UPYUSC KBXDMXISSBOKBQM27ZXFNUVP |
| 13-07 | 0618 | Big John | 30 chr EAM UP3HWL ONNRND4TOYZS4YEFHGLW2I |
| 13-07 | 0649 | Big John | 30 chr EAM UPV7KT FZTMEMESJ6QQOW2QTOSM6INE |
| 13-07 | 0652 | Big John | 30 chr EAM UPLCDS ZASXK4NF7X6QSP722CASGM3P |
| 13-07 | 0700 | Big John | 30 chr EAM UPLCDS ZASXK4NF7X6QSP722CASGM3P |
| 13-07 | 0702 | Big John | 30 chr EAM UPV7KT FZTMEMESJ6QQOW2QTOSM6INE |
| 13-07 | 0705 | Big John | 30 chr EAM UP3HWL ONNRND4TOYZS4YEFHGLW2I |
| 13-07 | 0715 | Big John | 30 chr EAM UPIJHV ZT2LP6HGNZ2SUWQZENWR3F2 |
| 13-07 | 0727 | Big John | 30 chr EAM UP5KJV PDDQ7TJRLFSPSNEZR3MEFASQ |
| 13-07 | 0730 | Big John | 30 chr EAM UPYTL4 MAUEKWSG5HPFF3QQ3RRDUHPJ |
| 13-07 | 0733 | Big John | 30 chr EAM UP5KJV PDDQ7TJRLFSPSNEZR3MEFASQ |
| 13-07 | 0736 | Big John | 30 chr EAM UPIJHV ZT2LP6HGNZ2SUWQZENWR3F2 |
| 13-07 | 0739 | Big John | 30 chr EAM UPJ662 63LWXOTI34QKLC6RDJ7D3RYV |
| 13-07 | 1437 | Big John | 30 chr EAM E4BFPB GPXN6HXYHGTUJQ3WGPB5K |
| 13-07 | 1514 | Big John | 30 chr EAM UPGTUI UJ56D6RCR36NHSS6WMLQ2XGN |
| 13-07 | 1517 | Big John | 30 chr EAM UP2E4A P2LNV3ZJH2XHNHNXVYOVR3G |
| 14-07 | 0440 | Semitone | 30 chr EAM UPMPW6 MJPHFCVLFXPPEVXB63LDRBBJ |
| 14-07 | 0442 | Semitone | 30 chr EAM UP4I26 KEH6Z7HFQDE2A242KVAGL4UO |
| 14-07 | 0452 | Semitone | 30 chr EAM UP5A4N 7DGK3RKPCTCS5DLZTMGLNVCQ |
| 14-07 | 0501 | Semitone | 30 chr EAM UPNYRA 6NMCRCEFDH2ULA54MLKPNJ6C |
| 14-07 | 0503 | Semitone | 30 chr EAM UPNYRA 6NMCRCEFDH2ULA54MLKPNJ6C |
| 14-07 | 0506 | Semitone | 30 chr EAM UP5A4N 7DGK3RKPCTCS5DLZTMGLNVCQ |
| 14-07 | 0509 | Semitone | 30 chr EAM UPWB3U XCGTLHTXV2QYSMPTIBEF3RPN |
| 14-07 | 0511 | Semitone | 30 chr EAM UP4VD2 7QPUGLDSHL2BIPHJYOOYM7QB |
| 14-07 | 0516 | Semitone | 30 chr EAM UP5A4N 7DGK3RKPCTCS5DLZTMGLNVCQ |
| 14-07 | 1549 | Semitone | 30 chr EAM for Sprite E4HDJW PQZT2U6AJ2SUP2RWA0IH35GA |
| 14-07 | 1617 | Semitone | 30 chr EAM E4OE4B 267ZFCBBVV6KPZ7P5E4NGHGG |
| 14-07 | 1620 | Semitone | 30 chr EAM for Dragway E4OE4B 267ZFCBBVV6KPZ7P5E4NGHGG |
| 14-07 | 1636 | Semitone | 30 chr EAM for Dragway E4TMHO 2RKXW6RKF3PNKFLQZ4RTTIAZ |
| 14-07 | 1656 | Semitone | 30 chr EAM for Dragway E4OXBQ BLN6HJQC2ZGVY5Z77U2LAZZE |
| 14-07 | 1818 | Semitone | 30 chr EAM for Dragway E46UE7 IP4D6CPQV6WXFALVCJOAJ4UP |
| 14-07 | 1835 | Semitone | 30 chr EAM E46LFC NWBY6IGUUPHQXMBQZ3YN6AOI |
| 14-07 | 1932 | Semitone | 30 chr EAM TOSGV5 OXJFEH4A6JWWBAHVKKCAXQHN |
| 14-07 | 1953 | Semitone | 30 chr EAM TORNVF OWIRFR52U22Q6Q7BWGFDXECZ |
| 14-07 | 2000 | Semitone | 30 chr EAM TORNVF OWIRFR52U22Q6Q7BWGFDXECZ |
| 14-07 | 2002 | Semitone | 30 chr EAM TOSGV5 OXJFEH4A6JWWBAHVKKCAXQHN |
| 14-07 | 2059 | Semitone | 30 chr EAM TORNVF OWIRFR52U22Q6Q7BWGFDXECZ |
| 14-07 | 2102 | Semitone | 30 chr EAM TOSGV5 OXJFEH4A6JWWBAHVKKCAXQHN |
| 15-07 | 0539 | Allergic | 30 chr EAM TOR3HI RFSSQP6GKZNYJU4K2FKIG2LU |
| 15-07 | 0541 | Allergic | 30 chr EAM TOQWON O2XF7U2KIYE54LNAOKLPKYQE |
| 15-07 | 0545 | Allergic | 30 chr EAM TOW6V7 LJD3KS6HNDG2WGH0X2IYHDOX |
| 15-07 | 0608 | Allergic | 30 chr EAM TOQWON O2XF7U2KIYE54LNAOKLPKYQE |
| 15-07 | 0611 | Allergic | 30 chr EAM TOR3HI RFSSQP6GKZNYJU4K2FKIG2LU |
| 15-07 | 0614 | Allergic | 30 chr EAM TOW6V7 LJD3KS6HNDG2WGH0X2IYHDOX |
| 15-07 | 1019 | Allergic | 30 chr EAM for Rich Reward E4PBFL 7HRWDSO7XPBX6PUK7PVCVGC |
| 15-07 | 1032 | Allergic | 30 chr EAM for Rich Reward E4A3TU 6Z5GEO24YHURVLUO4SU3PQCL |
| 15-07 | 1159 | Allergic | 30 chr EAM for Rich Reward E47VSR LN4572UI2BD7ENG4XIGHBVVZ |

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|-------|------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15-07 | 1225 | Allergic | 30 chr EAM for Rich Reward E44MWR 7JOEUZGO34KA5YX23ZDCOEF4 |
| 15-07 | 1324 | Allergic | 30 chr EAM for Midyear? E444S6 4YO4RKTDNP??FMZRBHQFHNNW |
| 15-07 | 1332 | Allergic | 30 chr EAM for Midyear? E4RUP2 AQJKYSTWFIZYII6ZH5OW6XHQQ |
| 15-07 | 1346 | Allergic | 30 chr EAM TOM2OQ F5EL6JGB64ZPUNOHLHFEIUP |
| 15-07 | 1503 | Allergic | 52 chr EAM E4YAVL XW5HVBUIDLEYLK2ED2JH224EUTTYML2ELNJIYAC2VHBFV2 |
| 15-07 | 1507 | Allergic | 30 chr EAM TOM2OQ F5EL6JGB64ZPUNOHLHFEIUP |
| 15-07 | 1519 | Allergic | 30 chr EAM E42C5F K6ZX4D7JCHHTGYOP7BBH3XZR |
| 15-07 | 1529 | Allergic | 30 chr EAM TOM2OQ F5EL6JGB64ZPUNOHLHFEIUP |
| 15-07 | 1600 | Allergic | 30 chr EAM TOS22Y NRRS22JFMJZ7DMQKXPXNESOC4 |
| 15-07 | 1602 | Allergic | 30 chr EAM TOQOYB KCQNQD4KCSORJCMX4GA5EWN |
| 15-07 | 1630 | Allergic | 30 chr EAM E4X2DC P3UQLDOQEFTGNN75JHZSUU6X |
| 15-07 | 1635 | Allergic | 30 chr EAM TOQPTI NEQ6SJU2TQZ3YIP6Z4I5JWOS |
| 15-07 | 1638 | Allergic | 30 chr EAM TOS22Y NRRS22JFMJZ7DMQKXPXNESOC4 |
| 15-07 | 1640 | Allergic | 30 chr EAM TOQOYB KCQNQD4KCSORJCMX4GA5EWN |
| 15-07 | 1700 | Allergic | 30 chr EAM TOQPTI NEQ6SJU2TQZ3YIP6Z4I5JWOS |
| 15-07 | 1702 | Allergic | 30 chr EAM TOS22Y NRRS22JFMJZ7DMQKXPXNESOC4 |
| 15-07 | 1704 | Allergic | 30 chr EAM TOQOYB KCQNQD4KCSORJCMX4GA5EWN |
| 15-07 | 1800 | Allergic | 30 chr EAM TOQPTI NEQ6SJU2TQZ3YIP6Z4I5JWOS |
| 15-07 | 1802 | Allergic | 30 chr EAM TOXNI6 O7P2B6WBPYLBQRPWDZRIK |
| 15-07 | 1829 | Allergic | 30 chr EAM TOXNI6 O7P2B6WBPYLBQRPWDZRIK |
| 15-07 | 1832 | Allergic | 30 chr EAM TOQPTI NEQ6SJU2TQZ3YIP6Z4I5JWOS |
| 15-07 | 1900 | Allergic | 30 chr EAM TOXNI6 O7P2B6WBPYLBQRPWDZRIK |
| 16-07 | 1308 | Aid First | 30 chr EAM TON5JO Q6VBGMPTCVH43JF3XC34Y2EX |
| 16-07 | 1406 | Aid First | 30 chr EAM TON5JO Q6VBGMPTCVH43JF3XC34Y2EX |
| 16-07 | 1449 | Aid First | 30 chr EAM TON5JO Q6VBGMPTCVH43JF3XC34Y2EX |
| 16-07 | 1500 | Aid First | 30 chr EAM TON5JO Q6VBGMPTCVH43JF3XC34Y2EX |
| 16-07 | 1330 | Aid First | 30 chr EAM TON5JO Q6VBGMPTCVH43JF3XC34Y2EX |
| 16-07 | 1515 | Aid First | 30 chr EAM for Cliff-67 27IZTH VUWYMFQD44K6BUSKUYIXO4Q |
| 16-07 | 1549 | Aid First | 30 chr EAM for Blue Lou-91 27IIEI 4AK5SSJ3UYCQVMW6AZJPPUOM |
| 16-07 | 1617 | Aid First | 30 chr EAM TOVUDP QZCQJK45H5NVDK7VHUNDB2S4 |
| 16-07 | 1733 | Aid First | 30 chr EAM TOZNH5 ACVK7YOWQQ6WYOSXDFKYSIRB |
| 18-07 | 1346 | Dejected | 30 chr EAM for Ethan-4? 2764F3 4GVXAALZUQDUPWJ2CZB4OG2G |
| 18-07 | 1416 | Dejected | 30 chr EAM TOQ26R QDHNVLGLSVCISWGY5IX4MYAVI |
| 18-07 | 1703 | Dejected | 30 chr EAM TOBTS3 PSBJDVBEV4SQTYE3C2HLG2YR |
| 19-07 | 1347 | Billy Bob | 30 chr EAM TOX72H EOAFX2OCNEKNQAAIRBMQPAVI |
| 19-07 | 1447 | Billy Bob | 30 chr EAM for Collin-10? 27XCRV CVUD5QKVJ7KIKZMKZUW6UFTN |
| 20-07 | 0830 | Base Run | 37 chr EAM 27RHXX ZUHGI2WQ3M6BRJZ4PYSVRJC7BRERKSQ |
| 20-07 | 1435 | Base Run | 30 chr EAM 27GCYB VMHW3Q2TMW3MTCRFLHZJZXZ3 |
| 20-07 | 1933 | Base Run | 30 chr EAM TOJDMP BD2Y7OCM46WSGEYJLL34C6MW |
| 21-07 | 0637 | Civilian | 30 chr EAM TOETTY P2OWWV6HYXTT3STX4SEGDCFN |
| 21-07 | 1551 | Civilian | 30 chr EAM for Bipod 27JRLF J5IJHNU6RXXVRY7AVAOD75TK |
| 21-07 | 1658 | Civilian | 30 chr EAM for Fieldworker, for Bipod 27RGQQ ZRB5WUYRO23X3QQFCKPQ3PH5 |
| 21-07 | 1801 | Civilian | 30 chr EAM for Bipod 27PYEW XUSUUJUZBDLB36JRVKGDHQ7W |
| 21-07 | 1803 | Civilian | 30 chr EAM for Bipod 27PYEW XUSUUJUZBDLB36JRVKGDHQ7W |
| 21-07 | 1846 | Civilian | 30 chr EAM for Bipod 27NQVL M33RGGBNJEPOATHHQA6VZ6MQ |
| 21-07 | 2003 | Civilian | 30 chr EAM for ? 27AQRL P36A6AURLIGKNYDAL3FVBXDJ |
| 21-07 | 2236 | Civilian | 30 chr EAM TOFUJ6 YSRG4XB6ZOHN7PKFHDHPVYX4 |
| 22-07 | 0443 | Outcurve | 54 chr EAM 274B65 LXVLPMTLUYHUJFUUZPLUURTEWIIIS2DCPEATETIIMWLBZVS |
| 22-07 | 0531 | Outcurve | 30 chr EAM TOLO5Y GR4G2YVY4AOKYPRCU5HSMP4A |
| 22-07 | 0557 | Outcurve | 30 chr EAM TOULB6 7G5PGZ23FS2SLCJ6F34N7XAI |
| 22-07 | 0600 | Outcurve | 30 chr EAM TONBQP HQY7WIZQRY4MF44C7KCMNYO7 |
| 22-07 | 0603 | Outcurve | 30 chr EAM T043IC 5AVNAOX7CB5AHIAGBLVAJ325 |
| 22-07 | 0608 | Outcurve | 30 chr EAM TONBQP HQY7WIZQRY4MF44C7KCMNYO7 |
| 22-07 | 0610 | Outcurve | 30 chr EAM TOULB6 7G5PGZ23FS2SLCJ6F34N7XAI |
| 22-07 | 0613 | Outcurve | 30 chr EAM TOLO5Y GR4G2YVY4AOKYPRCU5HSMP4A |
| 22-07 | 0631 | Outcurve | 30 chr EAM TOBBZQ 33ANI7R2LUQBPLSAEERACW2P |
| 22-07 | 0634 | Outcurve | 142 chr EAM WECJD6 N3XK2ADO5LFWW7UE2263UE6I244DGOK7E77PPPPBOGPTUQTNLQ 2COJYOCDDDDCWG5QARDUQWOUFHUDDI777VWHQIRJHIPKIEDZIZDRRRRCX43FWJP7JVT RBDCCBCCCCWJORRSQ6E |
| 22-07 | 0444 | Outcurve | 30 chr EAM TO2DLJ GRCK6EZEIEJL6MXWPLUJVPKD |
| 22-07 | 0446 | Outcurve | 30 chr EAM TO67UH OJYGDWJVO4HMBJLTYSVRFBUP |
| 22-07 | 0449 | Outcurve | 30 chr EAM T043IC 5AVNAOX7CB5AHIAGBLVAJ32F |

| | | | |
|-------|------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 22-07 | 0452 | Outcurve | 30 chr EAM TONBQP HQY7WIZQRY4MF44C7KCMNYO7 |
| 22-07 | 0848 | Outcurve | 120 chr EAM WESZZE QSTVZUSB67Z34IIOVCFYPSZLYUA2UDUAGADXXXX374VGHAUEZGEX ZXLZCFFFDYSGWHYWF6ULULGGTMMMMMB7X6NPMGI2K2K26WGWWWWTVB44ERYN |
| 22-07 | 0940 | Outcurve | 37 chr EAM 27HBLW 6ULNQXKMCM27GTEPT5EPLFMZF6M3MRA |
| 22-07 | 1334 | Outcurve | 30 chr EAM 27TRXI too poor to copy |
| 22-07 | 1512 | Outcurve | 30 chr EAM 27ZWLM YCW656OFVZ2NIXNUJ5VFUYTC |
| 22-07 | 1630 | Outcurve | 30 chr EAM TOL47V C7RJHKGKLGKIXGU6DMY25TPHR |
| 22-07 | 1633 | Outcurve | 30 chr EAM TO3AX6 TPJRH6TVA477JMVQCXZAKIBJ |
| 22-07 | 1716 | Outcurve | 30 chr EAM TON34L GP4UCEXOFHON2UL72I34ZKAJ |
| 22-07 | 1943 | Outcurve | 30 chr EAM TO4LCG 4J664CEZ2GZYRLEWZSNM3HE2 |
| 23-07 | 1524 | New Book | 30 chr EAM TOVCN4 WMPOBCYS7RNEMTT5JXY7XGBD |
| 23-07 | 1541 | New Book | 30 chr EAM TOS6O4 AK632NZIFXU7VQU6RVHB6AC3 |
| 24-07 | 1425 | Nut Meat | 30 chr EAM TOGREK REXODRYCCD6D7SQQERV3TBX |
| 24-07 | 1429 | Nut Meat | 30 chr EAM TOGREK REXODRYCCD6D7SQQERV3TBX |
| 24-07 | 1441 | Nut Meat | 30 chr EAM TOA7FE HP7LOYHHV2ENXJC2UVEPQOTD |
| 24-07 | 1500 | Nut Meat | 30 chr EAM TOA7FE HP7LOYHHV2ENXJC2UVEPQOTD |
| 24-07 | 1502 | Nut Meat | 30 chr EAM TOGREK REXODRYCCD6D7SQQERV3TBX |
| 25-07 | 1524 | Criteria | 30 chr EAM TO4MG5 JHV6L7XRE77KWOSWOMUC24VD |
| 25-07 | 1531 | Criteria | 30 chr EAM TO4MG5 JHV6L7XRE77KWOSWOMUC24VD |
| 25-07 | 1610 | Criteria | 30 chr EAM TOEOL6 VLYJRTD2RMOZQ7AX4Z6UZTQJ |
| 25-07 | 1716 | Criteria | 30 chr EAM TOLNVD MWLT7XPCK26ZAFK65H76MJS |
| 25-07 | 2146 | Criteria | 30 chr EAM TOFVIU YA64IJTH6ELZFTA5CCW25HBN |
| 25-07 | 2345 | Criteria | 30 chr EAM TOQHEJ TKUJY6WSPIDQ7ADVHETSOJP |
| 26-07 | 1803 | Armrest | 30 chr EAM TORVX2 LYB5V3G3NKA2BRXQB6B2HZI7 |
| 26-07 | 1946 | Armrest | 30 chr EAM TODS5O MWUUF64SF4AGBMQM45RAOG5X |
| 26-07 | 2220 | Armrest | 30 chr EAM TOMZPG R2ZAAUACFS2ZNQ3ZH7ZLV2HT |
| 26-07 | 2225 | Armrest | 30 chr EAM TOMZPG R2ZAAUACFS2ZNQ3ZH7ZLV2HT |
| 27-07 | 1407 | Best Man | 30 chr EAM 27NIOK XFK6ICVYT6JHXAJCTHA4JO74 |
| 27-07 | 1436 | Best Man | 30 chr EAM 27BV45 AREJGQSKHEEQJT5LUHTAPILJ |
| 27-07 | 1534 | Best Man | 30 chr EAM for ?-32 27WTZR R4QV3H2MB2GGTODJDJVPDUAR |
| 27-07 | 1536 | Best Man | 30 chr EAM TOLHE3 ZYIEEBOHVFNUDQEENHI57NVY |
| 27-07 | 1600 | Best Man | 30 chr EAM TOLHE3 ZYIEEBOHVFNUDQEENHI57NVY |
| 27-07 | 1630 | Best Man | 30 chr EAM TOLHE3 ZYIEEBOHVFNUDQEENHI57NVY |
| 27-07 | 1700 | Best Man | 30 chr EAM TOLHE3 ZYIEEBOHVFNUDQEENHI57NVY |
| 27-07 | 1723 | Best Man | 30 chr EAM TOSAKA N7MSOMQ4WZQHATGCKJ6KCUVF |
| 28-07 | 1414 | Safe Hit | 30 chr EAM for ?-37 27HEU6 4VBJWGNW5EV45QSSRCVOXS2W |
| 28-07 | 1653 | Safe Hit | 30 chr EAM for Bell System 27ARVW OFCZZ33AVBB65CMV2N3MGH3D |
| 28-07 | 1703 | Safe Hit | 30 chr EAM for Bell System 27SWQI QQYR7YODRAINKECZSSNLT7GS |
| 28-07 | 1847 | Safe Hit | 30 chr EAM TOKFRI AYZYDO544TQZUOGJJQ7CYDSW |
| 28-07 | 1912 | Safe Hit | 30 chr EAM TOI7E2 I3VZR5LKO7CI2PHONFJVHNAM |
| 28-07 | 1917 | Safe Hit | 30 chr EAM TOPZYX FSJ22TE6DCHBBN3ZYYW6SKVZ |
| 28-07 | 1920 | Safe Hit | 30 chr EAM TOEREB FJBXS3GXNKIORU2XQW3VZX4I |
| 28-07 | 1924 | Safe Hit | 30 chr EAM TOR5LD COX6W6IINGT4FZAFSQI6MOAQ |
| 28-07 | 1947 | Safe Hit | 30 chr EAM TO2OY2 RGIXQK2JIFT27VJTKUCLXHU6 |
| 28-07 | 2003 | Safe Hit | 30 chr EAM for Villa? 27ILVF IANFTCVI7VYEMGIE7DSHE3T |
| 29-07 | 1303 | Encompass | 30 chr EAM for Gully? 27DVAS IEX6ZGZYP3A5ALUF4CLBTZR |
| 29-07 | 1312 | Encompass | 30 chr EAM for Gully? 2746GP IJYPMDAEF56GJT4347ATUXL5 |
| 29-07 | 1322 | Encompass | 30 chr EAM for Gully? 27AF34 WTOF327OH3YH7LJ5F2LANOUB |
| 29-07 | 1342 | Encompass | 30 chr EAM for Oily-42 27Z5PB HIGPNWPSGENJHD7HXWXMUPZG |
| 29-07 | 1538 | Encompass | 30 chr EAM 27QC2D KJTDJEY2TDXSQROFIPIOFISP3OHEOHSYGBVD |
| 29-07 | 1603 | Encompass | 30 chr EAM TO2C6C K2A5PAXNB3TWL5V2YGU23JQH |
| 29-07 | 1614 | Encompass | 30 chr EAM for Gully? 27R6RK PWIFJ47X3QVSTBQZHDYSY52B |
| 29-07 | 1723 | Encompass | 30 chr EAM for Gully? 27F3CD DHQEGGCPMAIPDXKAZ3FUPSIQ |
| 29-07 | 1932 | Encompass | 30 chr EAM TOEE35 PT6E4L3FKYREZLYCN5EOVZDH |
| 30-07 | 2023 | Reveille | 30 chr EAM TOKKXR Q6YWGBGITOTDXS6QDIAPY2ZN |
| 30-07 | 2047 | Reveille | 30 chr EAM TOPFH3 TK2VHNCZUSRBZQOEHYM2T4QS |
| 30-07 | 2107 | Reveille | 30 chr EAM TOU7MF LR4T3ZOUOKFO2XVYTVUL3Z72 |
| 31-07 | 0408 | Life Long | 30 chr EAM TOURPU S7DOSMV6DBLNIUWWKK3PEKIO |
| 31-07 | 0426 | Life Long | 30 chr EAM TOQY3Z XEVCPG2PPDNI45ONLTCYISF7 |
| 31-07 | 0430 | Life Long | 30 chr EAM TOQY3Z XEVCPG2PPDNI45ONLTCYISF7 |
| 31-07 | 0432 | Life Long | 30 chr EAM TOURPU S7DOSMV6DBLNIUWWKK3PEKIO |
| 31-07 | 0440 | Life Long | 30 chr EAM TOEJGS LGTZLBFDWIQWCNERL4B67WYL |

| | | | |
|--------------|------|-----------|-------------------------------------------------------------|
| 31-07 | 0443 | Life Long | 30 chr EAM TO3E3W BR3DQLBUBU4GMAFXNA6JK3FE |
| 31-07 | 0446 | Life Long | 30 chr EAM TO3E3W BR3DQLBUBU4GMAFXNA6JK3FE |
| 31-07 | 2028 | Life Long | 30 chr EAM TOH2NQ UG25S362P3HH5ZNPAQCZSCGF |
| 31-07 | 2040 | Long Life | 30 chr EAM TOBE3I UA63MTD7QWWQGZNGB4DXIH2B (wrong callsign) |
| 31-07 | 2055 | Life Long | 30 chr EAM TOHDLP PR7CPJ7QEHVAFPSXH6NIX6JH |
| 31-07 | 2058 | Life Long | 30 chr EAM TOOF32 637NKS7C2B4YJHTK5D4PWBCR |
| 31-07 | 2102 | Life Long | 30 chr EAM TOYJ3C TDDBGUCTDDLUGWVU6LS56CHZ |
| 31-07 | 2105 | Life Long | 30 chr EAM TO6RTH WJMBOF3NHHIA3Z6KI6YWPIVC |
| 31-07 | 2147 | Life Long | 30 chr EAM TOQ4UV IH6PGZF4HJOTTNJD66IVC4QA |

LOGS SECTION

| Code | Freq | Date | UTC | Day | Details | Mode | Contributor |
|------|-------|------|------|-----|-------------------------------------------------------------------------------------|------------------|--------------|
| --- | 4735 | 4-7 | 0700 | Sun | VVV VVV PROMRÖ = 04 07 = 1000 0570 0600 0710 1140 ... 0800 0530 0550 0660 1010 = AR | CW | (AB-HNG) |
| --- | 4735 | 8-7 | 0700 | Thu | VVV VVV PROMRÖ = 0807 = 1000 0570 0600 0710 1140 ... 0800 0530 0560 0670 1010 = AR | CW | (AB-GRC) |
| --- | 4735 | 11-7 | 0700 | Sun | VVV VVV PROMRÖ = 11 07 = 1000 0570 0600 0720 1140 ... 0800 0430 0530 0560 1000 = AR | CW | (AB-GRC) |
| DPRK | 12203 | 7-7 | 0838 | Wed | North Korean diplo | DPRK-ARQ 600 LSB | (AB) |
| DPRK | 12100 | 31-7 | 1308 | Sat | North Korean diplo i.p. | DPRK-ARQ 600 LSB | (AB) |
| E06 | 13825 | 1-7 | 0500 | Thu | 679 832 54 57902 21534 23283 ... 33679 82538 24323 832 54 00000 | USB | (AB-RUS/HFD) |
| E06 | 15610 | 1-7 | 0600 | Thu | 679 832 54 57902 21534 23283 ... 33679 82538 24323 832 54 00000 | USB | (AB-RUS/HFD) |
| E06 | 13825 | 2-7 | 0500 | Fri | 679 832 54 57902 21534 23283 ... 33679 82538 24323 832 54 00000 | USB | (AB-RUS) |
| E06 | 15615 | 2-7 | 0600 | Fri | 679 832 54 57902 21534 23283 ... 33679 82538 24323 832 54 00000 | USB | (AB-RUS) |
| E06 | 11632 | 5-7 | 0210 | Mon | 537 429 33 19847 84458 34019 ... 94676 99088 79728 429 33 00000 | USB | (PY) |
| E06 | 13831 | 5-7 | 0310 | Mon | 537 429 33 19847 84458 34019 ... 94676 99088 79728 429 33 00000 | USB | (PY) |
| E06 | 11632 | 6-7 | 0210 | Tue | 537 429 33 19847 84458 34019 ... 94676 99088 79728 429 33 00000 | USB | (PY) |
| E06 | 13831 | 6-7 | 0310 | Tue | 537 429 33 19847 84458 34019 ... 94676 99088 79728 429 33 00000 | USB | (PY) |
| E06 | 14845 | 8-7 | 0300 | Thu | 361 508 46 33856 19854 71044 ... 69402 74910 20401 508 46 00000 | USB | (PY) |
| E06 | 12189 | 8-7 | 0400 | Thu | 361 508 46 33856 19854 71044 ... 69402 74910 20401 508 46 00000 | USB | (PY) |
| E06 | 14845 | 9-7 | 0300 | Fri | 361 508 46 33856 19854 71044 ... 69402 74910 20401 508 46 00000 | USB | (PY) |
| E06 | 12189 | 9-7 | 0400 | Fri | 361 508 46 33856 19854 71044 ... 69402 74910 20401 508 46 00000 | USB | (PY) |
| E06 | 11645 | 12-7 | 0210 | Mon | 537 180 34 26570 54840 68194 ... 24635 68916 70865 180 34 00000 | USB | (PY) |
| E06 | 13833 | 12-7 | 0310 | Mon | 537 180 34 26570 54840 68194 ... 24635 68916 70865 180 34 00000 | USB | (PY) |
| E06 | 11642 | 13-7 | 0210 | Tue | 537 180 34 26570 54840 68194 ... 24635 68916 70865 180 34 00000 | USB | (PY) |
| E06 | 13832 | 13-7 | 0310 | Tue | 537 180 34 26570 54840 68194 ... 24635 68916 70865 180 34 00000 | USB | (PY) |
| E06 | 14845 | 15-7 | 0300 | Thu | 361 920 47 11235 49558 76737 ... 22703 47711 54082 920 47 00000 | USB | (PY) |
| E06 | 12189 | 15-7 | 0400 | Thu | 361 920 47 11235 49558 76737 ... 22703 47711 54082 920 47 00000 | USB | (PY) |
| E06 | 13825 | 15-7 | 0500 | Thu | 679 243 50 89280 86572 47510 ... 14213 49953 14216 243 50 00000 | USB | (AB) |
| E06 | 15615 | 15-7 | 0600 | Thu | 679 243 50 89280 86572 47510 ... 14213 49953 14216 243 50 00000 | USB | (AB) |
| E06 | 14845 | 16-7 | 0300 | Fri | 361 920 47 11235 49558 76737 ... 22703 47711 54082 920 47 00000 | USB | (PY) |
| E06 | 12198 | 16-7 | 0400 | Fri | 361 920 47 11235 49558 76737 ... 22703 47711 54082 920 47 00000 | USB | (PY) |
| E06 | 13825 | 16-7 | 0500 | Fri | 679 243 50 89280 86572 47510 ... 14213 49953 14216 243 50 00000 | USB | (AB) |
| E06 | 15615 | 16-7 | 0600 | Fri | 679 243 50 89280 86572 47510 ... 14213 49953 14216 243 50 00000 | USB | (AB) |
| E06 | 11644 | 19-7 | 0210 | Mon | 537 692 35 18438 82240 08670 ... 58329 62465 94098 692 35 00000 | USB | (PY) |
| E06 | 13816 | 19-7 | 0310 | Mon | 537 692 35 18438 82240 08670 ... 58329 62465 94098 692 35 00000 | USB | (PY) |
| E06 | 11645 | 20-7 | 0210 | Tue | 537 692 35 18438 82240 08670 ... 58329 62465 94098 692 35 00000 | USB | (PY) |
| E06 | 13815 | 20-7 | 0310 | Tue | 537 692 35 18438 82240 08670 ... 58329 62465 94098 692 35 00000 | USB | (PY) |
| E06 | 14845 | 22-7 | 0300 | Thu | 361 507 48 04980 73733 59418 ... 03993 51304 00945 507 48 00000 | USB | (PY) |
| E06 | 12189 | 22-7 | 0400 | Thu | 361 507 48 04980 73733 59418 ... 03993 51304 00945 507 48 00000 | USB | (PY) |
| E06 | 14845 | 23-7 | 0300 | Fri | 361 507 48 04980 73733 59418 ... 03993 51304 00945 507 48 00000 | USB | (PY/HFD-RUS) |
| E06 | 12189 | 23-7 | 0400 | Fri | 361 507 48 04980 73733 59418 ... 03993 51304 00945 507 48 00000 | USB | (HFD-RUS) |
| E06 | 11632 | 26-7 | 0210 | Mon | 537 418 36 39549 58910 58231 ... 35671 72812 04577 418 36 00000 | USB | (PY/HFD-J) |

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|-----|-------|------|------|-----|-------------------------------------------------------------------------------------|-----|--------------|
| E06 | 13813 | 26-7 | 0310 | Mon | 537 418 36 39549 58910 58231 ... 35671 72812 04577 418 36 00000 | USB | (PY) |
| E06 | 11645 | 27-7 | 0210 | Tue | 537 418 36 39549 58910 58231 ... 35671 72812 04577 418 36 00000 | USB | (PY) |
| E06 | 13815 | 27-7 | 0310 | Tue | 537 418 36 39549 58910 58231 ... 35671 72812 04577 418 36 00000 | USB | (PY) |
| E07 | 13562 | 1-7 | 1410 | Thu | 441 441 441 000 | USB | (AB/MPJ/HFD) |
| E07 | 14862 | 1-7 | 1430 | Thu | 441 441 441 000 | USB | (AB/MPJ/HFD) |
| E07 | 15962 | 2-7 | 0700 | Fri | 945 945 945 000 | USB | (AB/HFD) |
| E07 | 17462 | 2-7 | 0720 | Fri | 945 945 945 000 | USB | (AB/HFD) |
| E07 | 12176 | 3-7 | 1300 | Sat | 152 152 152 000 | USB | (AB) |
| E07 | 11576 | 3-7 | 1320 | Sat | 152 152 152 000 | USB | (AB) |
| E07 | 13562 | 3-7 | 1410 | Sat | 441 441 441 000 | USB | (AB) |
| E07 | 14862 | 3-7 | 1430 | Sat | 441 441 441 000 | USB | (AB-RUS) |
| E07 | 10317 | 4-7 | 0600 | Sun | 312 312 312 000 | USB | (AB) |
| E07 | 11117 | 4-7 | 0620 | Sun | 312 312 312 000 | USB | (AB) |
| E07 | 12223 | 4-7 | 1700 | Sun | 201 201 201 1 595 87 595 87 38875 54680 07618 ... 65988 77170 98638 000 000 | USB | (AB/HFD) |
| E07 | 11023 | 4-7 | 1720 | Sun | 201 201 201 1 595 87 595 87 38875 54680 07618 ... 65988 77170 98638 000 000 | USB | (AB/HFD) |
| E07 | 10123 | 4-7 | 1740 | Sun | 201 201 201 1 595 87 595 87 38875 54680 07618 ... 65988 77170 98638 000 000 | USB | (AB/HFD) |
| E07 | 15962 | 6-7 | 0700 | Tue | 945 945 945 1 469 125 469 125 86995 88402 18081 ... 25006 68858 54187 000 000 | USB | (AB) |
| E07 | 17462 | 6-7 | 0720 | Tue | 945 945 945 1 469 125 469 125 86995 88402 18081 ... 25006 68858 54187 000 000 | USB | (AB-KWT) |
| E07 | 18542 | 6-7 | 0740 | Tue | 945 945 945 1 469 125 469 125 86995 88402 18081 ... 25006 68858 54187 000 000 | USB | (AB-KWT) |
| E07 | 12223 | 7-7 | 1700 | Wed | 201 201 201 000 | USB | (AB) |
| E07 | 11023 | 7-7 | 1720 | Wed | 201 201 201 000 | USB | (AB) |
| E07 | 13562 | 8-7 | 1410 | Thu | 441 441 441 1 5549 63 5549 63 41736 86988 91975 98102 ... 02869 28098 01456 000 000 | USB | (AB/MPJ) |
| E07 | 14862 | 8-7 | 1430 | Thu | 441 441 441 1 5549 63 5549 63 41736 86988 91975 98102 ... 02869 28098 01456 000 000 | USB | (AB/MPJ) |
| E07 | 16162 | 8-7 | 1450 | Thu | 441 441 441 1 5549 63 5549 63 41736 86988 91975 98102 ... 02869 28098 01456 000 000 | USB | (AB/MPJ) |
| E07 | 15962 | 9-7 | 0700 | Fri | 945 945 945 1 469 125 469 125 86995 88402 18081 ... 25006 68858 54187 000 000 | USB | (AB) |
| E07 | 17462 | 9-7 | 0720 | Fri | 945 945 945 1 469 125 469 125 86995 88402 18081 ... 25006 68858 54187 000 000 | USB | (AB) |
| E07 | 18542 | 9-7 | 0740 | Fri | 945 945 945 1 469 125 469 125 86995 88402 18081 ... 25006 68858 54187 000 000 | USB | (AB) |
| E07 | 12176 | 10-7 | 1300 | Sat | 152 152 152 000 | USB | (AB/MPJ) |
| E07 | 11576 | 10-7 | 1320 | Sat | 152 152 152 000 | USB | (AB/MPJ) |
| E07 | 13562 | 10-7 | 1410 | Sat | 441 441 441 1 5549 63 5549 63 41736 86988 91975 98102 ... 02869 28098 01456 000 000 | USB | (AB/MPJ) |
| E07 | 14862 | 10-7 | 1430 | Sat | 441 441 441 1 5549 63 5549 63 41736 86988 91975 98102 ... 02869 28098 01456 000 000 | USB | (AB/MPJ) |
| E07 | 16162 | 10-7 | 1450 | Sat | 441 441 441 1 5549 63 5549 63 41736 86988 91975 98102 ... 02869 28098 01456 000 000 | USB | (AB/MPJ) |
| E07 | 10317 | 11-7 | 0600 | Sun | 312 312 312 000 | USB | (AB) |
| E07 | 11117 | 11-7 | 0620 | Sun | 312 312 312 000 | USB | (AB) |
| E07 | 12223 | 11-7 | 1700 | Sun | 201 201 201 000 | USB | (AB) |
| E07 | 11023 | 11-7 | 1720 | Sun | 201 201 201 000 | USB | (AB) |
| E07 | 15962 | 13-7 | 0700 | Tue | 945 945 945 1 469 125 469 125 86995 88402 18081 ... 25006 68858 54187 000 000 | USB | (AB) |
| E07 | 17462 | 13-7 | 0720 | Tue | 945 945 945 1 469 125 469 125 86995 88402 18081 ... 25006 68858 54187 000 000 | USB | (AB) |
| E07 | 18542 | 13-7 | 0740 | Tue | 945 945 945 1 469 125 469 125 86995 88402 18081 ... 25006 68858 54187 000 000 | USB | (AB) |
| E07 | 12223 | 14-7 | 1700 | Wed | 201 201 201 1 5790 66 5790 66 78733 70517 31077 ... 95839 07183 44330 000 000 | USB | (AB) |
| E07 | 11023 | 14-7 | 1720 | Wed | 201 201 201 1 5790 66 5790 66 78733 70517 31077 ... 95839 07183 44330 000 000 | USB | (AB) |
| E07 | 10123 | 14-7 | 1740 | Wed | 201 201 201 1 5790 66 5790 66 78733 70517 31077 ... 95839 07183 44330 000 000 | USB | (AB) |

| | | | | | | | |
|-----|-------|------|------|-----|-----------------------------------------------------------------------------------|-----|----------|
| E07 | 13562 | 15-7 | 1410 | Thu | 441 441 441 000 | USB | (AB) |
| E07 | 14862 | 15-7 | 1430 | Thu | 441 441 441 000 | USB | (AB) |
| E07 | 15962 | 16-7 | 0700 | Fri | 945 945 945 1 469 125 469 125 86995 88402 18081 ... 25006 68858 54187 000 000 | USB | (AB) |
| E07 | 17462 | 16-7 | 0720 | Fri | 945 945 945 1 469 125 469 125 86995 88402 18081 ... 25006 68858 54187 000 000 | USB | (AB) |
| E07 | 18542 | 16-7 | 0740 | Fri | 945 945 945 1 469 125 469 125 86995 88402 18081 ... 25006 68858 54187 000 000 | USB | (AB) |
| E07 | 12176 | 17-7 | 1300 | Sat | 152 152 152 000 | USB | (AB/MPJ) |
| E07 | 11576 | 17-7 | 1320 | Sat | 152 152 152 000 | USB | (AB/MPJ) |
| E07 | 13562 | 17-7 | 1410 | Sat | 441 441 441 000 | USB | (AB/MPJ) |
| E07 | 14862 | 17-7 | 1430 | Sat | 441 441 441 000 | USB | (AB/MPJ) |
| E07 | 10317 | 18-7 | 0600 | Sun | 312 312 312 000 | USB | (AB) |
| E07 | 11117 | 18-7 | 0620 | Sun | 312 312 312 000 | USB | (AB) |
| E07 | 12223 | 18-7 | 1700 | Sun | 201 201 201 1 5790 66 5790 66 78733 70517 31077 ... 95839 07183 44330 000 000 | USB | (AB) |
| E07 | 11023 | 18-7 | 1720 | Sun | 201 201 201 1 5790 66 5790 66 78733 70517 31077 ... 95839 07183 44330 000 000 | USB | (AB) |
| E07 | 10123 | 18-7 | 1740 | Sun | 201 201 201 1 5790 66 5790 66 78733 70517 31077 ... 95839 07183 44330 000 000 | USB | (AB) |
| E07 | 15962 | 20-7 | 0700 | Tue | 945 945 945 000 | USB | (AB) |
| E07 | 17462 | 20-7 | 0720 | Tue | 945 945 945 000 | USB | (AB) |
| E07 | 12223 | 21-7 | 1700 | Wed | 201 201 201 000 | USB | (AB/MPJ) |
| E07 | 11023 | 21-7 | 1720 | Wed | 201 201 201 000 | USB | (AB/MPJ) |
| E07 | 13562 | 22-7 | 1410 | Thu | 441 441 441 000 | USB | (AB/MPJ) |
| E07 | 14862 | 22-7 | 1430 | Thu | 441 441 441 000 | USB | (AB/MPJ) |
| E07 | 15962 | 23-7 | 0700 | Fri | 945 945 945 000 | USB | (AB) |
| E07 | 17462 | 23-7 | 0720 | Fri | 945 945 945 000 | USB | (AB) |
| E07 | 12176 | 24-7 | 1300 | Sat | 152 152 152 000 | USB | (AB/MPJ) |
| E07 | 11576 | 24-7 | 1320 | Sat | 152 152 152 000 | USB | (AB/MPJ) |
| E07 | 13562 | 24-7 | 1410 | Sat | 441 441 441 000 | USB | (AB/MPJ) |
| E07 | 14862 | 24-7 | 1430 | Sat | 441 441 441 000 | USB | (AB/MPJ) |
| E07 | 10317 | 25-7 | 0600 | Sun | 312 312 312 000 | USB | (AB) |
| E07 | 11117 | 25-7 | 0620 | Sun | 312 312 312 000 | USB | (AB) |
| E07 | 12223 | 25-7 | 1700 | Sun | 201 201 201 000 | USB | (AB) |
| E07 | 11023 | 25-7 | 1720 | Sun | 201 201 201 000 | USB | (AB) |
| E07 | 15962 | 27-7 | 0700 | Tue | 945 945 945 000 | USB | (AB) |
| E07 | 17462 | 27-7 | 0720 | Tue | 945 945 945 000 | USB | (AB) |
| E07 | 12223 | 28-7 | 1700 | Wed | 201 201 201 1 665 71 665 71 08659 15321 64155 ... 68817 66392 50673 30948 000 000 | USB | (AB) |
| E07 | 11023 | 28-7 | 1720 | Wed | 201 201 201 1 665 71 665 71 08659 15321 64155 ... 68817 66392 50673 30948 000 000 | USB | (AB) |
| E07 | 10123 | 28-7 | 1740 | Wed | 201 201 201 1 665 71 665 71 08659 15321 64155 ... 68817 66392 50673 30948 000 000 | USB | (AB) |
| E07 | 13562 | 29-7 | 1410 | Thu | 441 441 441 000 | USB | (AB) |
| E07 | 14862 | 29-7 | 1430 | Thu | 441 441 441 000 | USB | (AB) |
| E07 | 15962 | 30-7 | 0700 | Fri | 945 945 945 000 | USB | (AB) |
| E07 | 17462 | 30-7 | 0720 | Fri | 945 945 945 000 | USB | (AB) |
| E07 | 12176 | 31-7 | 1300 | Sat | 152 152 152 000 | USB | (AB) |
| E07 | 11576 | 31-7 | 1320 | Sat | 152 152 152 000 | USB | (AB) |
| E07 | 13562 | 31-7 | 1410 | Sat | 441 441 441 000 | USB | (AB) |

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|-------------|-------|------|------|-----|-------------------------------------------------------------------------------------|-----|----------|
| E07 | 14862 | 31-7 | 1430 | Sat | 441 441 441 000 | USB | (AB) |
| E07a | 7933 | 1-7 | 0430 | Thu | 912 912 912 1 60704 653 38 653 38 81496 22749 31802 ... 30625 07618 55549 000 000 | USB | (AB) |
| E07a | 9133 | 1-7 | 0450 | Thu | 912 912 912 1 60704 653 38 653 38 81496 22749 31802 ... 30625 07618 55549 000 000 | USB | (AB) |
| E07a | 10233 | 1-7 | 0510 | Thu | 912 912 912 1 60704 653 38 653 38 81496 22749 31802 ... 30625 07618 55549 000 000 | USB | (AB) |
| E07a | 12213 | 2-7 | 1510 | Fri | 241 241 241 1 67673 7466 54 7466 54 06687 99145 71048 ... 44554 70654 46664 000 000 | USB | (AB/MPJ) |
| E07a | 11413 | 2-7 | 1530 | Fri | 241 241 241 1 67673 7466 54 7466 54 06687 99145 71048 ... 44554 70654 46664 000 000 | USB | (AB/MPJ) |
| E07a | 10113 | 2-7 | 1550 | Fri | 241 241 241 1 67673 7466 54 7466 54 06687 99145 71048 ... 44554 70654 46664 000 000 | USB | (AB/MPJ) |
| E07a | 12173 | 3-7 | 0800 | Sat | 198 198 198 1 67673 7466 54 7466 54 06687 99145 71048 ... 44554 70654 46664 000 000 | USB | (AB) |
| E07a | 13973 | 3-7 | 0820 | Sat | 198 198 198 1 67673 7466 54 7466 54 06687 99145 71048 ... 44554 70654 46664 000 000 | USB | (AB) |
| E07a | 14873 | 3-7 | 0840 | Sat | 198 198 198 1 67673 7466 54 7466 54 06687 99145 71048 ... 44554 70654 46664 000 000 | USB | (AB) |
| E07a | 12166 | 7-7 | 2000 | Wed | 172 172 172 | USB | (AB/RL) |
| E07a | 10766 | 7-7 | 2020 | Wed | 172 172 172 | USB | (AB/RL) |
| E07a | 7933 | 8-7 | 0430 | Thu | 912 912 912 000 | USB | (AB) |
| E07a | 9133 | 8-7 | 0450 | Thu | 912 912 912 000 | USB | (AB) |
| E07a | 12213 | 9-7 | 1510 | Fri | 241 241 241 000 | USB | (AB/HFD) |
| E07a | 11413 | 9-7 | 1530 | Fri | 241 241 241 000 | USB | (AB/HFD) |
| E07a | 12173 | 10-7 | 0800 | Sat | 198 198 198 000 | USB | (AB/HFD) |
| E07a | 13973 | 10-7 | 0820 | Sat | 198 198 198 000 | USB | (AB/HFD) |
| E07a | 12166 | 14-7 | 2000 | Wed | 172 172 172 | USB | (AB/RL) |
| E07a | 10766 | 14-7 | 2020 | Wed | 172 172 172 | USB | (AB/RL) |
| E07a | 7933 | 15-7 | 0430 | Thu | 912 912 912 000 | USB | (AB) |
| E07a | 9133 | 15-7 | 0450 | Thu | 912 912 912 000 | USB | (AB) |
| E07a | 12213 | 16-7 | 1510 | Fri | 241 241 241 000 | USB | (AB) |
| E07a | 11413 | 16-7 | 1530 | Fri | 241 241 241 000 | USB | (AB) |
| E07a | 12173 | 17-7 | 0800 | Sat | 198 198 198 000 | USB | (AB) |
| E07a | 13973 | 17-7 | 0820 | Sat | 198 198 198 000 | USB | (AB) |
| E07a | 12166 | 21-7 | 2000 | Wed | 172 172 172 | USB | (AB/RL) |
| E07a | 10766 | 21-7 | 2020 | Wed | 172 172 172 | USB | (AB/RL) |
| E07a | 7933 | 22-7 | 0430 | Thu | 912 912 912 000 | USB | (AB) |
| E07a | 9133 | 22-7 | 0450 | Thu | 912 912 912 000 | USB | (AB) |
| E07a | 12213 | 23-7 | 1510 | Fri | 241 241 241 000 | USB | (AB) |
| E07a | 11413 | 23-7 | 1530 | Fri | 241 241 241 000 | USB | (AB) |
| E07a | 12173 | 24-7 | 0800 | Sat | 198 198 198 000 | USB | (AB) |
| E07a | 13973 | 24-7 | 0820 | Sat | 198 198 198 000 | USB | (AB) |
| E07a | 12166 | 28-7 | 2000 | Wed | 172 172 172 | USB | (AB/RL) |
| E07a | 10766 | 28-7 | 2020 | Wed | 172 172 172 | USB | (AB/RL) |
| E07a | 7933 | 29-7 | 0430 | Thu | 912 912 912 000 | USB | (AB) |
| E07a | 9133 | 29-7 | 0450 | Thu | 912 912 912 000 | USB | (AB) |
| E07a | 12213 | 30-7 | 1510 | Fri | 241 241 241 000 | USB | (AB/MPJ) |
| E07a | 11413 | 30-7 | 1530 | Fri | 241 241 241 000 | USB | (AB) |
| E07a | 12173 | 31-7 | 0800 | Sat | 198 198 198 000 | USB | (AB) |
| E07a | 13973 | 31-7 | 0820 | Sat | 198 198 198 000 | USB | (AB) |

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|-----|-------|-----|------|-----|--------|-----|----------|
| E11 | 14940 | 1-7 | 0745 | Thu | 224/00 | USB | (AB) |
| E11 | 12153 | 1-7 | 0845 | Thu | 151/00 | USB | (AB) |
| E11 | 6923 | 1-7 | 0930 | Thu | 279/00 | USB | (AB) |
| E11 | 5737 | 1-7 | 1300 | Thu | 316/00 | USB | (AB) |
| E11 | 10356 | 1-7 | 1530 | Thu | 260/00 | USB | (AB/MPJ) |
| E11 | 14575 | 1-7 | 1645 | Thu | 332/00 | USB | (AB) |
| E11 | 8088 | 1-7 | 1730 | Thu | 413/00 | USB | (AB) |
| E11 | 7600 | 1-7 | 1900 | Thu | 644/00 | USB | (AB) |
| E11 | 9150 | 2-7 | 0600 | Fri | 354/00 | USB | (AB) |
| E11 | 8680 | 2-7 | 0700 | Fri | 570/00 | USB | (AB) |
| E11 | 10429 | 2-7 | 0715 | Fri | 630/00 | USB | (AB) |
| E11 | 12153 | 2-7 | 1000 | Fri | 302/00 | USB | (AB) |
| E11 | 9610 | 2-7 | 1910 | Fri | 613/00 | USB | (AB) |
| E11 | 5082 | 3-7 | 1530 | Sat | 365/00 | USB | (AB) |
| E11 | 4783 | 3-7 | 1910 | Sat | 396/00 | USB | (AB) |
| E11 | 9150 | 4-7 | 0600 | Sun | 350/00 | USB | (AB) |
| E11 | 5082 | 4-7 | 1530 | Sun | 369/00 | USB | (AB/MPJ) |
| E11 | 5371 | 4-7 | 1605 | Sun | 237/00 | USB | (AB) |
| E11 | 7863 | 4-7 | 1625 | Sun | 972/00 | USB | (AB) |
| E11 | 14410 | 4-7 | 1745 | Sun | 248/00 | USB | (AB) |
| E11 | 9610 | 4-7 | 1910 | Sun | 618/00 | USB | (AB) |
| E11 | 9060 | 5-7 | 0300 | Mon | 183/00 | USB | (AB) |
| E11 | 7469 | 5-7 | 0450 | Mon | 415/00 | USB | (AB) |
| E11 | 15800 | 5-7 | 0640 | Mon | 948/00 | USB | (AB) |
| E11 | 9610 | 5-7 | 0745 | Mon | 267/00 | USB | (AB) |
| E11 | 12815 | 5-7 | 0845 | Mon | 716/00 | USB | (AB) |
| E11 | 8545 | 5-7 | 1045 | Mon | 691/00 | USB | (AB) |
| E11 | 5737 | 5-7 | 1300 | Mon | 313/00 | USB | (AB) |
| E11 | 14410 | 5-7 | 1745 | Mon | 247/00 | USB | (AB/MPJ) |
| E11 | 8091 | 6-7 | 0645 | Tue | 514/00 | USB | (AB) |
| E11 | 8680 | 6-7 | 0700 | Tue | 573/00 | USB | (AB) |
| E11 | 10429 | 6-7 | 0715 | Tue | 634/00 | USB | (AB) |
| E11 | 12153 | 6-7 | 0845 | Tue | 159/00 | USB | (AB) |
| E11 | 6304 | 6-7 | 1205 | Tue | 461/00 | USB | (AB) |
| E11 | 12984 | 6-7 | 1345 | Tue | 911/00 | USB | (AB) |
| E11 | 5371 | 6-7 | 1605 | Tue | 237/00 | USB | (AB) |
| E11 | 14575 | 6-7 | 1645 | Tue | 335/00 | USB | (AB) |
| E11 | 15800 | 7-7 | 0640 | Wed | 948/00 | USB | (AB) |
| E11 | 18030 | 7-7 | 0715 | Wed | 751/00 | USB | (AB) |
| E11 | 15720 | 7-7 | 0745 | Wed | 346/00 | USB | (AB) |
| E11 | 17378 | 7-7 | 0820 | Wed | 135/00 | USB | (AB) |
| E11 | 12815 | 7-7 | 0845 | Wed | 715/00 | USB | (AB) |

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|-----|-------|------|------|-----|--------------------------------------------------|-----|----------|
| E11 | 8545 | 7-7 | 1045 | Wed | 691/00 | USB | (AB) |
| E11 | 6304 | 7-7 | 1205 | Wed | 464/00 | USB | (AB) |
| E11 | 7863 | 7-7 | 1725 | Wed | 974/00 | USB | (AB/MPJ) |
| E11 | 8091 | 8-7 | 0645 | Thu | 510/00 | USB | (AB) |
| E11 | 14940 | 8-7 | 0745 | Thu | 221/00 | USB | (AB) |
| E11 | 4909 | 8-7 | 0820 | Thu | 438/00 | USB | (AB) |
| E11 | 12153 | 8-7 | 0845 | Thu | 151/00 | USB | (AB) |
| E11 | 5737 | 8-7 | 1300 | Thu | 314/00 | USB | (AB/MPJ) |
| E11 | 10356 | 8-7 | 1530 | Thu | 266/00 | USB | (AB/MPJ) |
| E11 | 9060 | 9-7 | 0300 | Fri | 185/00 | USB | (AB) |
| E11 | 9150 | 9-7 | 0600 | Fri | 355/00 | USB | (AB) |
| E11 | 8680 | 9-7 | 0700 | Fri | 576/00 | USB | (AB) |
| E11 | 10429 | 9-7 | 0715 | Fri | 639/00 | USB | (AB) |
| E11 | 15720 | 9-7 | 0745 | Fri | 342/00 | USB | (AB) |
| E11 | 4909 | 9-7 | 0820 | Fri | 439/00 | USB | (AB) |
| E11 | 12229 | 9-7 | 1650 | Fri | 924/00 | USB | (AB) |
| E11 | 9610 | 9-7 | 1910 | Fri | 613/00 | USB | (AB) |
| E11 | 7377 | 10-7 | 0730 | Sat | 491/00 | USB | (AB) |
| E11 | 12984 | 10-7 | 1345 | Sat | 912/00 | USB | (AB/MPJ) |
| E11 | 5082 | 10-7 | 1530 | Sat | 368/00 | USB | (AB) |
| E11 | 9150 | 11-7 | 0600 | Sun | 353/00 | USB | (AB) |
| E11 | 7377 | 11-7 | 0730 | Sun | 496/00 | USB | (AB/HFD) |
| E11 | 5082 | 11-7 | 1530 | Sun | 368/00 | USB | (AB) |
| E11 | 5371 | 11-7 | 1605 | Sun | 235/00 | USB | (AB) |
| E11 | 7863 | 11-7 | 1625 | Sun | 972/00 | USB | (AB) |
| E11 | 12229 | 11-7 | 1650 | Sun | 924/00 | USB | (AB) |
| E11 | 14410 | 11-7 | 1745 | Sun | 245/00 | USB | (AB) |
| E11 | 9610 | 11-7 | 1910 | Sun | 612/00 | USB | (AB) |
| E11 | 7469 | 12-7 | 0450 | Mon | 415/00 | USB | (AB) |
| E11 | 18030 | 12-7 | 0715 | Mon | 751/00 | USB | (AB) |
| E11 | 9610 | 12-7 | 0745 | Mon | 266/00 | USB | (AB) |
| E11 | 7449 | 12-7 | 0900 | Mon | 535/00 | USB | (AB) |
| E11 | 8545 | 12-7 | 1045 | Mon | 690/00 | USB | (AB) |
| E11 | 5737 | 12-7 | 1300 | Mon | 310/00 | USB | (AB) |
| E11 | 14410 | 12-7 | 1745 | Mon | No transmission due to thunderstorms over Warsaw | USB | (AB/MPJ) |
| E11 | 7600 | 12-7 | 1900 | Mon | No transmission due to thunderstorms over Warsaw | USB | (AB) |
| E11 | 8091 | 13-7 | 0645 | Tue | 512/00 | USB | (AB) |
| E11 | 8680 | 13-7 | 0700 | Tue | 574/00 | USB | (AB) |
| E11 | 10429 | 13-7 | 0715 | Tue | 636/00 | USB | (AB) |
| E11 | 14940 | 13-7 | 0745 | Tue | 223/00 | USB | (AB) |
| E11 | 12153 | 13-7 | 0845 | Tue | 155/00 | USB | (AB) |
| E11 | 12153 | 13-7 | 1000 | Tue | 302/00 | USB | (AB) |

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|-----|-------|------|------|-----|--------|-----|--------------|
| E11 | 6304 | 13-7 | 1205 | Tue | 465/00 | USB | (AB/MPJ) |
| E11 | 18030 | 14-7 | 0715 | Wed | 758/00 | USB | (AB) |
| E11 | 15720 | 14-7 | 0745 | Wed | 343/00 | USB | (AB) |
| E11 | 7449 | 14-7 | 0900 | Wed | 535/00 | USB | (AB) |
| E11 | 6923 | 14-7 | 0930 | Wed | 276/00 | USB | (AB) |
| E11 | 8545 | 14-7 | 1045 | Wed | 690/00 | USB | (AB/HFD) |
| E11 | 6304 | 14-7 | 1205 | Wed | 463/00 | USB | (AB/MPJ) |
| E11 | 4783 | 14-7 | 1910 | Wed | 395/00 | USB | (AB) |
| E11 | 8091 | 15-7 | 0645 | Thu | 514/00 | USB | (AB) |
| E11 | 14940 | 15-7 | 0745 | Thu | 221/00 | USB | (AB) |
| E11 | 4909 | 15-7 | 0820 | Thu | 435/00 | USB | (AB) |
| E11 | 12153 | 15-7 | 0845 | Thu | 150/00 | USB | (AB) |
| E11 | 6923 | 15-7 | 0930 | Thu | 278/00 | USB | (AB) |
| E11 | 5737 | 15-7 | 1300 | Thu | 315/00 | USB | (AB) |
| E11 | 10356 | 15-7 | 1530 | Thu | 264/00 | USB | (AB) |
| E11 | 8088 | 15-7 | 1730 | Thu | 412/00 | USB | (AB) |
| E11 | 7600 | 15-7 | 1900 | Thu | 648/00 | USB | (AB) |
| E11 | 9150 | 16-7 | 0600 | Fri | 353/00 | USB | (AB/HFD) |
| E11 | 8680 | 16-7 | 0700 | Fri | 577/00 | USB | (AB) |
| E11 | 10429 | 16-7 | 0715 | Fri | 637/00 | USB | (AB) |
| E11 | 15720 | 16-7 | 0745 | Fri | 348/00 | USB | (AB) |
| E11 | 12153 | 16-7 | 1000 | Fri | 308/00 | USB | (AB) |
| E11 | 12229 | 16-7 | 1650 | Fri | 920/00 | USB | (AB) |
| E11 | 7377 | 17-7 | 0730 | Sat | 496/00 | USB | (AB) |
| E11 | 4783 | 17-7 | 1910 | Sat | 396/00 | USB | (AB) |
| E11 | 9150 | 18-7 | 0600 | Sun | 354/00 | USB | (AB) |
| E11 | 7377 | 18-7 | 0730 | Sun | 491/00 | USB | (AB) |
| E11 | 12229 | 18-7 | 1650 | Sun | 925/00 | USB | (AB/MPJ-HNG) |
| E11 | 15800 | 19-7 | 0640 | Mon | 942/00 | USB | (AB) |
| E11 | 9610 | 19-7 | 0745 | Mon | 268/00 | USB | (AB) |
| E11 | 12815 | 19-7 | 0845 | Mon | 714/00 | USB | (AB) |
| E11 | 7449 | 19-7 | 0900 | Mon | 535/00 | USB | (AB) |
| E11 | 14410 | 19-7 | 1745 | Mon | 247/00 | USB | (AB) |
| E11 | 7600 | 19-7 | 1900 | Mon | 649/00 | USB | (AB) |
| E11 | 8091 | 20-7 | 0645 | Tue | 512/00 | USB | (AB) |
| E11 | 8680 | 20-7 | 0700 | Tue | 574/00 | USB | (AB) |
| E11 | 14940 | 20-7 | 0745 | Tue | 229/00 | USB | (AB) |
| E11 | 17378 | 20-7 | 0820 | Tue | 138/00 | USB | (AB) |
| E11 | 12153 | 20-7 | 0845 | Tue | 157/00 | USB | (AB) |
| E11 | 12153 | 20-7 | 1000 | Tue | 300/00 | USB | (AB) |
| E11 | 6304 | 20-7 | 1205 | Tue | 463/00 | USB | (AB) |
| E11 | 12984 | 20-7 | 1345 | Tue | 912/00 | USB | (AB) |

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|-----|-------|------|------|-----|--------|-----|--------------|
| E11 | 5371 | 20-7 | 1605 | Tue | 237/00 | USB | (AB) |
| E11 | 14575 | 20-7 | 1645 | Tue | 334/00 | USB | (AB) |
| E11 | 15800 | 21-7 | 0640 | Wed | 945/00 | USB | (AB) |
| E11 | 15720 | 21-7 | 0745 | Wed | 346/00 | USB | (AB) |
| E11 | 17378 | 21-7 | 0820 | Wed | 135/00 | USB | (AB) |
| E11 | 12815 | 21-7 | 0845 | Wed | 711/00 | USB | (AB) |
| E11 | 7449 | 21-7 | 0900 | Wed | 530/00 | USB | (AB) |
| E11 | 6923 | 21-7 | 0930 | Wed | 279/00 | USB | (AB) |
| E11 | 6304 | 21-7 | 1205 | Wed | 462/00 | USB | (AB) |
| E11 | 7863 | 21-7 | 1725 | Wed | 978/00 | USB | (AB/MPJ) |
| E11 | 4783 | 21-7 | 1910 | Wed | 391/00 | USB | (AB) |
| E11 | 8091 | 22-7 | 0645 | Thu | 510/00 | USB | (AB) |
| E11 | 14940 | 22-7 | 0745 | Thu | 225/00 | USB | (AB) |
| E11 | 4909 | 22-7 | 0820 | Thu | 438/00 | USB | (AB) |
| E11 | 12153 | 22-7 | 0845 | Thu | 152/00 | USB | (AB) |
| E11 | 6923 | 22-7 | 0930 | Thu | 277/00 | USB | (AB) |
| E11 | 5409 | 22-7 | 1330 | Thu | 527/00 | USB | (PY) |
| E11 | 10356 | 22-7 | 1530 | Thu | 264/00 | USB | (AB/MPJ) |
| E11 | 14575 | 22-7 | 1645 | Thu | 330/00 | USB | (AB/MPJ) |
| E11 | 7600 | 22-7 | 1900 | Thu | 648/00 | USB | (AB) |
| E11 | 9060 | 23-7 | 0300 | Fri | 184/00 | USB | (HFD) |
| E11 | 8680 | 23-7 | 0700 | Fri | 573/00 | USB | (AB) |
| E11 | 15720 | 23-7 | 0745 | Fri | 342/00 | USB | (AB) |
| E11 | 4909 | 23-7 | 0820 | Fri | 438/00 | USB | (AB) |
| E11 | 12153 | 23-7 | 1000 | Fri | 305/00 | USB | (AB) |
| E11 | 12229 | 23-7 | 1650 | Fri | 924/00 | USB | (AB) |
| E11 | 9610 | 23-7 | 1910 | Fri | 614/00 | USB | (AB) |
| E11 | 7377 | 24-7 | 0730 | Sat | 490/00 | USB | (AB) |
| E11 | 12984 | 24-7 | 1345 | Sat | 917/00 | USB | (AB) |
| E11 | 5082 | 24-7 | 1530 | Sat | 360/00 | USB | (AB/MPJ-HNG) |
| E11 | 4783 | 24-7 | 1910 | Sat | 399/00 | USB | (AB) |
| E11 | 7377 | 25-7 | 0730 | Sun | 492/00 | USB | (AB) |
| E11 | 5409 | 25-7 | 1330 | Sun | 525/00 | USB | (T101) |
| E11 | 5082 | 25-7 | 1530 | Sun | 363/00 | USB | (AB) |
| E11 | 5371 | 25-7 | 1605 | Sun | 232/00 | USB | (AB) |
| E11 | 7863 | 25-7 | 1625 | Sun | 974/00 | USB | (AB) |
| E11 | 12229 | 25-7 | 1650 | Sun | 920/00 | USB | (AB) |
| E11 | 14410 | 25-7 | 1745 | Sun | 249/00 | USB | (AB) |
| E11 | 9610 | 25-7 | 1910 | Sun | 611/00 | USB | (AB) |
| E11 | 7469 | 26-7 | 0450 | Mon | 415/00 | USB | (AB) |
| E11 | 15800 | 26-7 | 0640 | Mon | 944/00 | USB | (AB) |
| E11 | 18030 | 26-7 | 0715 | Mon | 753/00 | USB | (AB) |

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|------|-------|------|------|-----|-------------------------------------------------------------------------------------------|-----|-----------------|
| E11 | 12815 | 26-7 | 0845 | Mon | 719/00 | USB | (AB) |
| E11 | 7449 | 26-7 | 0900 | Mon | 534/00 | USB | (AB) |
| E11 | 8545 | 26-7 | 1045 | Mon | 690/00 | USB | (AB) |
| E11 | 5737 | 26-7 | 1300 | Mon | 314/00 | USB | (AB/MPJ) |
| E11 | 14410 | 26-7 | 1745 | Mon | 244/00 | USB | (MPJ) |
| E11 | 7600 | 26-7 | 1900 | Mon | 648/00 | USB | (AB) |
| E11 | 10429 | 27-7 | 0715 | Tue | 637/00 | USB | (AB) |
| E11 | 17378 | 27-7 | 0820 | Tue | 136/00 | USB | (AB) |
| E11 | 12153 | 27-7 | 1000 | Tue | 307/00 | USB | (AB) |
| E11 | 12984 | 27-7 | 1345 | Tue | 919/00 | USB | (AB/MPJ) |
| E11 | 5371 | 27-7 | 1605 | Tue | 237/00 | USB | (AB/MPJ) |
| E11 | 14575 | 27-7 | 1645 | Tue | 338/00 | USB | (AB/MPJ) |
| E11 | 15800 | 28-7 | 0640 | Wed | 948/00 | USB | (AB) |
| E11 | 18030 | 28-7 | 0715 | Wed | 752/00 | USB | (AB) |
| E11 | 17378 | 28-7 | 0820 | Wed | 131/00 | USB | (AB) |
| E11 | 12815 | 28-7 | 0845 | Wed | 713/00 | USB | (AB) |
| E11 | 7449 | 28-7 | 0900 | Wed | 530/00 | USB | (AB) |
| E11 | 6923 | 28-7 | 0930 | Wed | 275/00 | USB | (AB) |
| E11 | 8545 | 28-7 | 1045 | Wed | 692/00 | USB | (AB) |
| E11 | 7863 | 28-7 | 1725 | Wed | 976/00 | USB | (AB) |
| E11 | 4783 | 28-7 | 1910 | Wed | 394/00 | USB | (AB) |
| E11 | 4909 | 29-7 | 0820 | Thu | 434/00 | USB | (AB) |
| E11 | 6923 | 29-7 | 0930 | Thu | 270/00 | USB | (AB) |
| E11 | 5737 | 29-7 | 1300 | Thu | 311/00 | USB | (AB) |
| E11 | 5409 | 29-7 | 1330 | Thu | 527/00 | USB | (AB) |
| E11 | 14575 | 29-7 | 1645 | Thu | 332/00 | USB | (AB) |
| E11 | 8088 | 29-7 | 1730 | Thu | 410/00 | USB | (AB) |
| E11 | 7600 | 29-7 | 1900 | Thu | 648/00 | USB | (AB) |
| E11 | 9150 | 30-7 | 0600 | Fri | 351/00 | USB | (AB) |
| E11 | 10429 | 30-7 | 0715 | Fri | 637/00 | USB | (AB) |
| E11 | 4909 | 30-7 | 0820 | Fri | 439/00 | USB | (AB) |
| E11 | 12153 | 30-7 | 1000 | Fri | 306/00 | USB | (AB) |
| E11 | 12229 | 30-7 | 1650 | Fri | 922/00 | USB | (AB/MPJ) |
| E11 | 9610 | 30-7 | 1910 | Fri | 610/00 | USB | (AB) |
| E11 | 7377 | 31-7 | 0730 | Sat | 490/00 | USB | (AB) |
| E11 | 12984 | 31-7 | 1345 | Sat | 919/00 | USB | (AB) |
| E11 | 5082 | 31-7 | 1530 | Sat | 369/00 | USB | (AB) |
| E11 | 4783 | 31-7 | 1910 | Sat | 399/00 | USB | (AB) |
| E11a | 4909 | 1-7 | 0820 | Thu | 439/34 Attention 05037 17293 77178 ... 16038 20948 49471 Attention (message repeated) Out | USB | (AB/Subilo) |
| E11a | 4909 | 2-7 | 0820 | Fri | 439/34 Attention 05037 17293 77178 ... 16038 20948 49471 Attention (message repeated) Out | USB | (AB/Subilo) |
| E11a | 12229 | 2-7 | 1650 | Fri | 920/36 Attention 71742 31614 56293 ... 15091 85091 15670 Attention (message repeated) Out | USB | (AB/MPJ/Subilo) |
| E11a | 7377 | 4-7 | 0730 | Sun | 492/37 Attention 85568 68184 99200 ... 16737 12013 01889 Attention (message repeated) Out | USB | (PY) |

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|------|-------|------|------|-----|-------------------------------------------------------------------------------------------|-----|--------------|
| E11a | 12229 | 4-7 | 1650 | Sun | 920/36 Attention 71742 31614 56293 ... 15091 85091 15670 Attention (message repeated) Out | USB | (AB/Subilo) |
| E11a | 7449 | 5-7 | 0900 | Mon | 534/36 Attention 40204 43847 21564 ... 55415 44706 84949 Attention (message repeated) Out | USB | (AB/Subilo) |
| E11a | 7600 | 5-7 | 1900 | Mon | 640/36 Attention 80812 69241 37448 ... 26693 96523 02083 Attention (message repeated) Out | USB | (AB) |
| E11a | 12153 | 6-7 | 1000 | Tue | 306/29 Attention 45273 54784 25735 ... 14650 73114 08909 Attention (message repeated) Out | USB | (AB/Subilo) |
| E11a | 7449 | 7-7 | 0900 | Wed | 534/36 Attention 40204 43847 21564 ... 55415 44706 84949 Attention (message repeated) Out | USB | (AB) |
| E11a | 6923 | 7-7 | 0930 | Wed | 275/36 Attention 03666 51213 39976 ... 56961 14960 90014 Attention (message repeated) Out | USB | (AB) |
| E11a | 4783 | 7-7 | 1910 | Wed | 395/38 Attention 36525 30955 06117 ... 90671 28892 25321 Attention (message repeated) Out | USB | (AB) |
| E11a | 6923 | 8-7 | 0930 | Thu | 275/36 Attention 03666 51213 39976 ... 56961 14960 90014 Attention (message repeated) Out | USB | (AB) |
| E11a | 7600 | 8-7 | 1900 | Thu | 640/36 Attention 80812 69241 37448 ... 26693 96523 02083 Attention (message repeated) Out | USB | (AB) |
| E11a | 12153 | 9-7 | 1000 | Fri | 306/29 Attention 45273 54784 25735 ... 14650 73114 08909 Attention (message repeated) Out | USB | (AB) |
| E11a | 4783 | 10-7 | 1910 | Sat | 395/38 Attention 36525 30955 06117 ... 90671 28892 25321 Attention (message repeated) Out | USB | (AB) |
| E11a | 15800 | 12-7 | 0640 | Mon | 941/27 Attention 96687 14279 27335 ... 93166 39519 46540 Attention (message repeated) Out | USB | (AB) |
| E11a | 12815 | 12-7 | 0845 | Mon | 715/33 Attention 22177 18950 34883 ... 23186 24113 35352 Attention (message repeated) Out | USB | (AB) |
| E11a | 17378 | 13-7 | 0820 | Tue | 138/37 Attention 80982 94025 33434 ... 01693 27545 72149 Attention (message repeated) Out | USB | (AB) |
| E11a | 12984 | 13-7 | 1345 | Tue | 911/39 Attention 99093 14296 01145 ... 32533 71557 27689 Attention (message repeated) Out | USB | (AB/MPJ) |
| E11a | 5371 | 13-7 | 1605 | Tue | 237/33 Attention 32365 68430 57084 ... 53134 51311 80920 Attention (message repeated) Out | USB | (AB/MPJ) |
| E11a | 14575 | 13-7 | 1645 | Tue | 335/34 Attention 90216 00755 55522 ... 57047 04519 24455 Attention (message repeated) Out | USB | (AB/MPJ-I) |
| E11a | 15800 | 14-7 | 0640 | Wed | 941/27 Attention 96687 14279 27335 ... 93166 39519 46540 Attention (message repeated) Out | USB | (AB) |
| E11a | 17378 | 14-7 | 0820 | Wed | 138/37 Attention 80982 94025 33434 ... 01693 27545 72149 Attention (message repeated) Out | USB | (AB) |
| E11a | 12815 | 14-7 | 0845 | Wed | 715/33 Attention 22177 18950 34883 ... 23186 24113 35352 Attention (message repeated) Out | USB | (AB) |
| E11a | 7863 | 14-7 | 1725 | Wed | 970/34 Attention 83819 88428 17347 ... 89180 40260 69424 Attention (message repeated) Out | USB | (AB/MPJ) |
| E11a | 14575 | 15-7 | 1645 | Thu | 335/34 Attention 90216 00755 55522 ... 57047 04519 24455 Attention (message repeated) Out | USB | (AB-POL) |
| E11a | 9610 | 16-7 | 1910 | Fri | 611/32 Attention 57471 72401 96774 ... 08261 12830 20109 Attention (message repeated) Out | USB | (AB) |
| E11a | 12984 | 17-7 | 1345 | Sat | 911/39 Attention 99093 14296 01145 ... 32533 71557 27689 Attention (message repeated) Out | USB | (AB) |
| E11a | 5082 | 17-7 | 1530 | Sat | 368/33 Attention 07208 35296 90880 ... 96432 47694 23565 Attention (message repeated) Out | USB | (AB/MPJ-HOL) |
| E11a | 5371 | 18-7 | 1605 | Sun | 237/33 Attention 32365 68430 57084 ... 53134 51311 80920 Attention (message repeated) Out | USB | (AB/MPJ) |
| E11a | 7863 | 18-7 | 1625 | Sun | 970/34 Attention 83819 88428 17347 ... 89180 40260 69424 Attention (message repeated) Out | USB | (AB) |
| E11a | 14410 | 18-7 | 1745 | Sun | 248/31 Attention 66936 43607 78444 ... 84121 20672 95291 Attention (message repeated) Out | USB | (AB/MPJ) |
| E11a | 9610 | 18-7 | 1910 | Sun | 611/32 Attention 57471 72401 96774 ... 08261 12830 20109 Attention (message repeated) Out | USB | (AB) |
| E11a | 7469 | 19-7 | 0450 | Mon | 411/31 Attention 19096 18609 22421 ... 56414 26869 33935 Attention (message repeated) Out | USB | (AB/HFD) |
| E11a | 18030 | 19-7 | 0715 | Mon | 750/32 Attention 35674 78591 71668 ... 13625 39164 46837 Attention (message repeated) Out | USB | (AB) |
| E11a | 8545 | 19-7 | 1045 | Mon | 692/24 Attention 87259 94249 48027 ... 63781 71100 03398 Attention (message repeated) Out | USB | (AB/MPJ-HNG) |
| E11a | 5737 | 19-7 | 1300 | Mon | 316/35 Attention 03208 16352 95887 ... 36026 13171 51910 Attention (message repeated) Out | USB | (AB/MPJ) |
| E11a | 10429 | 20-7 | 0715 | Tue | 633/32 Attention 52315 97592 73288 ... 59562 36180 76881 Attention (message repeated) Out | USB | (AB) |
| E11a | 18030 | 21-7 | 0715 | Wed | 750/32 Attention 35674 78591 71668 ... 13625 39164 46837 Attention (message repeated) Out | USB | (AB) |
| E11a | 8545 | 21-7 | 1045 | Wed | 692/24 Attention 87259 94249 48027 ... 63781 71100 03398 Attention (message repeated) Out | USB | (AB) |
| E11a | 5737 | 22-7 | 1300 | Thu | 316/35 Attention 03208 16352 95887 ... 36026 13171 51910 Attention (message repeated) Out | USB | (AB) |
| E11a | 8088 | 22-7 | 1730 | Thu | 411/31 Attention 19096 18609 22421 ... 56414 26869 33935 Attention (message repeated) Out | USB | (AB) |
| E11a | 9150 | 23-7 | 0600 | Fri | 354/34 Attention 64744 94453 99401 ... 79402 15046 65791 Attention (message repeated) Out | USB | (AB) |
| E11a | 10429 | 23-7 | 0715 | Fri | 633/32 Attention 52315 97592 73288 ... 59562 36180 76881 Attention (message repeated) Out | USB | (AB) |
| E11a | 9150 | 25-7 | 0600 | Sun | 354/34 Attention 64744 94453 99401 ... 79402 15046 65791 Attention (message repeated) Out | USB | (AB) |
| E11a | 8091 | 27-7 | 0645 | Tue | 519/35 Attention 67157 48500 35055 ... 56715 69497 78467 Attention (message repeated) Out | USB | (AB) |

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|------|---------|------|------|-----|-----------------------------------------------------------------------------------------------------------|-----------------|------------------|
| E11a | 8680 | 27-7 | 0700 | Tue | 570/31 Attention 99369 69484 00682 ... 50919 57421 33745 Attention (message repeated) Out | USB | (AB) |
| E11a | 14940 | 27-7 | 0745 | Tue | 224/34 Attention 58737 53807 64468 ... 38996 69538 01993 Attention (message repeated) Out | USB | (AB) |
| E11a | 12153 | 27-7 | 0845 | Tue | 154/36 Attention 61412 12242 43425 ... 07924 93941 83646 Attention (message repeated) Out | USB | (AB) |
| E11a | 6304 | 27-7 | 1205 | Tue | 466/35 Attention 40971 47059 93793 ... 84045 93012 860289 Attention (message repeated) Out | USB | (AB-POL/MPJ-POL) |
| E11a | 15720 | 28-7 | 0745 | Wed | 348/37 Attention 93266 07713 74263 ... 76223 94933 07191 Attention (message repeated) Out | USB | (AB-POL) |
| E11a | 6304 | 28-7 | 1205 | Wed | 466/35 Attention 40971 47059 93793 ... 84045 93012 860289 Attention (message repeated) Out | USB | (AB-POL) |
| E11a | 8091 | 29-7 | 0645 | Thu | 519/35 Attention 67157 48500 35055 ... 56715 69497 78467 Attention (message repeated) Out | USB | (AB) |
| E11a | 14940 | 29-7 | 0745 | Thu | 224/34 Attention 58737 53807 64468 ... 38996 69538 01993 Attention (message repeated) Out | USB | (AB) |
| E11a | 12153 | 29-7 | 0845 | Thu | 154/36 Attention 61412 12242 43425 ... 07924 93941 83646 Attention (message repeated) Out | USB | (AB) |
| E11a | 10356 | 29-7 | 1530 | Thu | 260/35 Attention 05064 18162 31974 ... 72448 41920 47775 Attention (message repeated) Out | USB | (AB/MPJ) |
| E11a | 8680 | 30-7 | 0700 | Fri | 570/31 Attention 99369 69484 00682 ... 50919 57421 33745 Attention (message repeated) Out | USB | (AB) |
| E11a | 15720 | 30-7 | 0745 | Fri | 348/37 Attention 93266 07713 74263 ... 76223 94933 07191 Attention (message repeated) Out | USB | (AB-POL) |
| E17z | 16780 | 1-7 | 0800 | Thu | 217 463 5 01405 15003 24357 60583 54545 463 5 00000 | USB | (AB) |
| E17z | 12850 | 1-7 | 0810 | Thu | 217 463 5 01405 15003 24357 60583 54545 463 5 00000 | USB | (AB) |
| E17z | 16780 | 8-7 | 0800 | Thu | 217 463 5 01405 15003 24357 60583 54545 463 5 00000 | USB | (AB) |
| E17z | 12850 | 8-7 | 0810 | Thu | 217 463 5 01405 15003 24357 60583 54545 463 5 00000 | USB | (AB) |
| E17z | 16780 | 15-7 | 0800 | Thu | 217 436 5 46062 68672 97478 39685 30485 436 5 00000 | USB | (AB) |
| E17z | 12850 | 15-7 | 0810 | Thu | 217 436 5 46062 68672 97478 39685 30485 436 5 00000 | USB | (AB) |
| E17z | 16780 | 22-7 | 0800 | Thu | 217 436 5 46062 68672 97478 39685 30485 436 5 00000 | USB | (AB) |
| E17z | 12850 | 22-7 | 0810 | Thu | 217 436 5 46062 68672 97478 39685 30485 436 5 00000 | USB | (AB) |
| E17z | 16780 | 29-7 | 0800 | Thu | 217 217 217 00000 | USB | (AB) |
| E17z | 12850 | 29-7 | 0810 | Thu | 217 217 217 00000 | USB | (AB) |
| EGY | 14421.7 | 9-7 | 1520 | Fri | Egyptian diplo i.p. YKH KDKOJKD KDXKMFH KDS 212 ... MMM NNN | SITOR-A 100/170 | (AB) |
| F01 | 22936 | 1-7 | 0000 | Thu | Russian diplo/intel. 65768 61446 90403 ... 90773 27491 47107 85252 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 22936 | 1-7 | 0000 | Thu | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 1-7 | 0010 | Thu | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 1-7 | 0020 | Thu | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 1-7 | 0100 | Thu | Russian diplo/intel. 65768 61446 90403 ... 90773 27491 47107 85252 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 16351 | 1-7 | 0110 | Thu | Russian diplo/intel. 65768 61446 90403 ... 90773 27491 47107 85252 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 14428 | 1-7 | 0120 | Thu | Russian diplo/intel. 65768 61446 90403 ... 90773 27491 47107 85252 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 1-7 | 1015 | Thu | Russian diplo/intel. Two messages. Many stops during the transmission | FSK 200/500 | (AB/HFD) |
| F01 | 9192 | 1-7 | 1025 | Thu | Russian diplo/intel. Two messages | FSK 200/500 | (AB/HFD) |
| F01 | 7363 | 1-7 | 1035 | Thu | Russian diplo/intel. Two messages | FSK 200/500 | (AB/HFD) |
| F01 | 22936 | 2-7 | 0000 | Fri | Russian diplo/intel. 56095 57299 52679 ... 55558 77439 86253 00000 00000 +++++ +++++ Signal interruptions | FSK 200/500 | (PY) |
| F01 | 20331 | 2-7 | 0010 | Fri | Russian diplo/intel. 56095 57299 52679 ... 55558 77439 86253 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 17471 | 2-7 | 0020 | Fri | Russian diplo/intel. 56095 57299 52679 ... 55558 77439 86253 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |

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|-----|-------|-----|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|
| F01 | 17532 | 2-7 | 0100 | Fri | Russian diplo/intel. 56095 57299 52679 ... 55558 77439 86253 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 16351 | 2-7 | 0110 | Fri | Russian diplo/intel. 56095 57299 52679 ... 55558 77439 86253 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 14428 | 2-7 | 0120 | Fri | Russian diplo/intel. 56095 57299 52679 ... 55558 77439 86253 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 2-7 | 1015 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB) |
| F01 | 9192 | 2-7 | 1025 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB) |
| F01 | 7363 | 2-7 | 1035 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB) |
| F01 | 22936 | 5-7 | 0000 | Mon | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 5-7 | 0010 | Mon | Russian diplo/intel. 23115 35294 51136 ... 07288 28860 33730 87274 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 17471 | 5-7 | 0020 | Mon | Russian diplo/intel. 23115 35294 51136 ... 07288 28860 33730 87274 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 17532 | 5-7 | 0100 | Mon | Russian diplo/intel. 23115 35294 51136 ... 07288 28860 33730 87274 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 16351 | 5-7 | 0110 | Mon | Russian diplo/intel. 23115 35294 51136 ... 07288 28860 33730 87274 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 14428 | 5-7 | 0120 | Mon | Russian diplo/intel. 23115 35294 51136 ... 07288 28860 33730 87274 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 5-7 | 1015 | Mon | Russian diplo/intel. 33664 08544 66704 ... 71370 45629 96437 00000 +++++ +++++ | FSK 200/500 | (AB) |
| F01 | 9192 | 5-7 | 1025 | Mon | Russian diplo/intel. 33664 08544 66704 ... 71370 45629 96437 00000 +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 7363 | 5-7 | 1035 | Mon | Russian diplo/intel. 33664 08544 66704 ... 71370 45629 96437 00000 +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 22936 | 6-7 | 0000 | Tue | Russian diplo/intel. Dirty idle carrier until 0010z, no F01 | FSK 200/500 | (PY) |
| F01 | 20331 | 6-7 | 0010 | Tue | Russian diplo/intel. Idle carrier, no F01 | FSK 200/500 | (PY) |
| F01 | 17471 | 6-7 | 0020 | Tue | Russian diplo/intel. Too weak to decode | FSK 200/500 | (PY) |
| F01 | 17532 | 6-7 | 0100 | Tue | Russian diplo/intel. Inverted FSK 53699 80424 92356 ... 77154 10099 88275 00000 00000 +++++ | FSK 200/500 | (PY) |
| F01 | 16351 | 6-7 | 0110 | Tue | Russian diplo/intel. Inverted FSK 53699 80424 92356 ... 77154 10099 88275 00000 00000 +++++ | FSK 200/500 | (PY) |
| F01 | 14428 | 6-7 | 0120 | Tue | Russian diplo/intel. Inverted FSK 53699 80424 92356 ... 77154 10099 88275 00000 00000 +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 6-7 | 1015 | Tue | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 9192 | 6-7 | 1025 | Tue | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 7363 | 6-7 | 1035 | Tue | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 22936 | 7-7 | 0000 | Wed | Russian diplo/intel. Dirty idle carrier, off at 0001z. Two transmitters up simultaneously at 0002z, one weak, one strong; strong signal with idle carrier off at 0006z. Weak carrier goes into F01 msg i | FSK 200/500 | (PY) |
| F01 | 20331 | 7-7 | 0010 | Wed | Russian diplo/intel. Inverted FSK. Back to idle carrier at 0011z then out at 0013z | FSK 200/500 | (PY) |
| F01 | 17471 | 7-7 | 0020 | Wed | Russian diplo/intel. Inverted FSK. No useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 7-7 | 0100 | Wed | Russian diplo/intel. 57029 58117 53594 ... 09195 50655 89302 00000 00000 +++++ | FSK 200/500 | (PY) |
| F01 | 16351 | 7-7 | 0110 | Wed | Russian diplo/intel. 57029 58117 53594 ... 09195 50655 89302 00000 00000 +++++ | FSK 200/500 | (PY) |
| F01 | 14428 | 7-7 | 0120 | Wed | Russian diplo/intel. 57029 58117 53594 ... 09195 50655 89302 00000 00000 +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 7-7 | 1015 | Wed | Russian diplo/intel. 54047 57871 83539 ... 54257 71994 99431 00000 +++++ +++++ | FSK 200/500 | (AB) |
| F01 | 9192 | 7-7 | 1025 | Wed | Russian diplo/intel. 54047 57871 83539 ... 54257 71994 99431 00000 +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 7363 | 7-7 | 1035 | Wed | Russian diplo/intel. 54047 57871 83539 ... 54257 71994 99431 00000 +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 14829 | 7-7 | 1840 | Wed | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB/MPJ) |
| F01 | 12214 | 7-7 | 1850 | Wed | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB/MPJ) |
| F01 | 10932 | 7-7 | 1900 | Wed | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB/MPJ) |
| F01 | 22936 | 8-7 | 0000 | Thu | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 8-7 | 0010 | Thu | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 8-7 | 0020 | Thu | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 8-7 | 0100 | Thu | Russian diplo/intel. 86253 09883 34384 ... 96272 75041 90270 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 16351 | 8-7 | 0110 | Thu | Russian diplo/intel. 86253 09883 34384 ... 96272 75041 90270 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |

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|-----|-------|------|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|----------|
| F01 | 14428 | 8-7 | 0120 | Thu | Russian diplo/intel. 86253 09883 34384 ... 96272 75041 90270 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 8-7 | 1015 | Thu | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 9192 | 8-7 | 1025 | Thu | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 7363 | 8-7 | 1035 | Thu | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 22936 | 9-7 | 0000 | Fri | Russian diplo/intel. Idle carrier | FSK 200/500 | (PY) |
| F01 | 20331 | 9-7 | 0010 | Fri | Russian diplo/intel. Empty +++++ +++++ +++++ payload | FSK 200/500 | (PY) |
| F01 | 17471 | 9-7 | 0020 | Fri | Russian diplo/intel. Empty +++++ +++++ +++++ payload, out within a minute then back up at 0021z | FSK 200/500 | (PY) |
| F01 | 17532 | 9-7 | 0100 | Fri | Russian diplo/intel. Empty "+++++ +++++ +++++" payload, out at 0101z into idle carrier and then 400Bd rate instead of 200Bd, only 3 minutes long | FSK 400/500 | (PY) |
| F01 | 16351 | 9-7 | 0110 | Fri | Russian diplo/intel. 97772 63952 91036 ... 09676 69256 91255 00000 30000 0++++ +++++ +++++ 400Bd rate instead of 200Bd, only 3 minutes long | FSK 400/500 | (PY) |
| F01 | 14428 | 9-7 | 0120 | Fri | Russian diplo/intel. 97772 63952 91036 ... 09676 69256 91255 00000 30000 0++++ +++++ +++++ 400Bd rate instead of 200Bd, only 3 minutes long | FSK 400/500 | (PY) |
| F01 | 11141 | 9-7 | 1015 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB/MPJ) |
| F01 | 9192 | 9-7 | 1025 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB/MPJ) |
| F01 | 7363 | 9-7 | 1035 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB/MPJ) |
| F01 | 22936 | 12-7 | 0000 | Mon | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 12-7 | 0010 | Mon | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 12-7 | 0020 | Mon | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 12-7 | 0100 | Mon | Russian diplo/intel. 12353 63168 31272 ... 66650 32851 51503 92253 00000 26000 00+++ +++++ Dirty signal, wrong 100Bd rate instead of 200Bd, out mid-message at 0109z | FSK 100/500 | (PY) |
| F01 | 16351 | 12-7 | 0110 | Mon | Russian diplo/intel. 12353 63168 31272 ... 66650 32851 51503 92253 00000 26000 00+++ +++++ Dirty signal, wrong 100Bd rate instead of 200Bd, out mid-message at 0119 | FSK 100/500 | (PY) |
| F01 | 14428 | 12-7 | 0120 | Mon | Russian diplo/intel. 12353 63168 31272 ... 66650 32851 51503 92253 00000 26000 00+++ +++++ Wrong 100Bd rate instead of 200Bd, out at 0128z | FSK 100/500 | (PY) |
| F01 | 11141 | 12-7 | 1015 | Mon | Russian diplo/intel. 12322 22534 72981 ... 97895 00232 03433 00000 +++++ +++++ +++++ | FSK 200/500 | (AB) |
| F01 | 9192 | 12-7 | 1025 | Mon | Russian diplo/intel. 12322 22534 72981 ... 97895 00232 03433 00000 +++++ +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 7363 | 12-7 | 1035 | Mon | Russian diplo/intel. 12322 22534 72981 ... 97895 00232 03433 00000 +++++ +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 22936 | 13-7 | 0000 | Tue | Russian diplo/intel. 21339 25731 38170 ... 63817 83760 93253 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 20331 | 13-7 | 0010 | Tue | Russian diplo/intel. 21339 25731 38170 ... 63817 83760 93253 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 17471 | 13-7 | 0020 | Tue | Russian diplo/intel. 21339 25731 38170 ... 63817 83760 93253 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 17532 | 13-7 | 0100 | Tue | Russian diplo/intel. 21339 25731 38170 ... 63817 83760 93253 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 16351 | 13-7 | 0110 | Tue | Russian diplo/intel. 21339 25731 38170 ... 63817 83760 93253 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 14428 | 13-7 | 0120 | Tue | Russian diplo/intel. 21339 25731 38170 ... 63817 83760 93253 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 13-7 | 1015 | Tue | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 9192 | 13-7 | 1025 | Tue | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 7363 | 13-7 | 1035 | Tue | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 22936 | 14-7 | 0000 | Wed | Russian diplo/intel. Inverted FSK, dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 14-7 | 0010 | Wed | Russian diplo/intel. Inverted FSK, dirty signal, little useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 14-7 | 0020 | Wed | Russian diplo/intel. Inverted FSK, dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 14-7 | 0100 | Wed | Russian diplo/intel. Inverted FSK, dirty signal, no useful decode | FSK 200/500 | (PY) |

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|-----|-------|------|------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| F01 | 16351 | 14-7 | 0110 | Wed | Russian diplo/intel. Inverted FSK, dirty signal, little useful decode | FSK 200/500 | (PY) |
| F01 | 14428 | 14-7 | 0120 | Wed | Russian diplo/intel. Inverted FSK | FSK 200/500 | (PY) |
| F01 | 11141 | 14-7 | 1015 | Wed | Russian diplo/intel. 90676 75277 85264 ... 09792 42698 06411 00000 +++++ | FSK 200/500 | (AB) |
| F01 | 9192 | 14-7 | 1025 | Wed | Russian diplo/intel. 90676 75277 85264 ... 09792 42698 06411 00000 +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 7363 | 14-7 | 1035 | Wed | Russian diplo/intel. 90676 75277 85264 ... 09792 42698 06411 00000 +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 22936 | 15-7 | 0000 | Thu | Russian diplo/intel. Dirty signal, damaged waveform, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 15-7 | 0010 | Thu | Russian diplo/intel. Dirty signal, damaged waveform, no useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 15-7 | 0020 | Thu | Russian diplo/intel. Dirty signal, damaged waveform, no useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 15-7 | 0100 | Thu | Russian diplo/intel. Dirty signal, damaged waveform, no useful decode | FSK 200/500 | (PY) |
| F01 | 16351 | 15-7 | 0110 | Thu | Russian diplo/intel. Dirty signal, damaged waveform, no useful decode, abruptly out at 0113z. Back at 0114z | FSK 200/500 | (PY) |
| F01 | 14428 | 15-7 | 0120 | Thu | Russian diplo/intel. Wrong 200Hz shift instead of 500Hz, no useful decode | FSK 200/200 | (PY) |
| F01 | 11141 | 15-7 | 1015 | Thu | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 9192 | 15-7 | 1025 | Thu | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 7363 | 15-7 | 1035 | Thu | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 22936 | 16-7 | 0000 | Fri | Russian diplo/intel. Dirty signal, wrong 200Hz shift instead of 500Hz, no useful decode | FSK 200/200 | (PY) |
| F01 | 20331 | 16-7 | 0010 | Fri | Russian diplo/intel. Dirty signal, damaged waveform, no useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 16-7 | 0020 | Fri | Russian diplo/intel. Dirty signal, damaged waveform, no useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 16-7 | 0100 | Fri | Russian diplo/intel. Dirty signal, damaged waveform, no useful decode | FSK 200/500 | (PY) |
| F01 | 16351 | 16-7 | 0110 | Fri | Russian diplo/intel. Dirty signal, damaged waveform, no useful decode | FSK 200/500 | (PY) |
| F01 | 14428 | 16-7 | 0120 | Fri | Russian diplo/intel. Damaged waveform, no useful decode | FSK 200/500 | (PY) |
| F01 | 11141 | 16-7 | 1015 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB) |
| F01 | 9192 | 16-7 | 1025 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 7363 | 16-7 | 1035 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 22936 | 19-7 | 0000 | Mon | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 19-7 | 0010 | Mon | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 19-7 | 0020 | Mon | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 19-7 | 0100 | Mon | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 16351 | 19-7 | 0110 | Mon | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 14428 | 19-7 | 0120 | Mon | Russian diplo/intel. 18380 73977 32767 ... 63666 26705 97250 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 19-7 | 1015 | Mon | Russian diplo/intel. 21486 37506 07342 ... 33809 95734 09425 00000 +++++ +++++ | FSK 200/500 | (AB/MPJ) |
| F01 | 9192 | 19-7 | 1025 | Mon | Russian diplo/intel. 21486 37506 07342 ... 33809 95734 09425 00000 +++++ +++++ | FSK 200/500 | (AB-RUS/MPJ) |
| F01 | 7363 | 19-7 | 1035 | Mon | Russian diplo/intel. 21486 37506 07342 ... 33809 95734 09425 00000 +++++ +++++ | FSK 200/500 | (AB-RUS/MPJ) |
| F01 | 22936 | 20-7 | 0000 | Tue | Russian diplo/intel. Wrong 1000Hz shift instead of 500Hz, good signal failed at 0002z and switched to dirty signal, damaged waveform, no useful decode | FSK 200/1000 | (PY) |
| F01 | 20331 | 20-7 | 0010 | Tue | Russian diplo/intel. Dirty signal, wrong 1000Hz shift instead of 500Hz, damaged waveform, no useful decode | FSK 200/1000 | (PY) |
| F01 | 17471 | 20-7 | 0020 | Tue | Russian diplo/intel. Dirty signal, wrong 1000Hz shift instead of 500Hz, damaged waveform, no useful decode | FSK 200/1000 | (PY) |
| F01 | 17532 | 20-7 | 0100 | Tue | Russian diplo/intel. Dirty signal, damaged waveform, no useful decode | FSK 200/500 | (PY) |
| F01 | 16351 | 20-7 | 0110 | Tue | Russian diplo/intel. Dirty signal, damaged waveform, no useful decode | FSK 200/500 | (PY) |

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|-----|-------|------|------|-----|------------------------------------------------------------------------------------------------------|--------------|----------|
| F01 | 14428 | 20-7 | 0120 | Tue | Russian diplo/intel. Dirty signal, wrong 1000Hz shift instead of 500Hz, damaged waveform, no de-code | FSK 200/1000 | (PY) |
| F01 | 11141 | 20-7 | 1015 | Tue | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 9192 | 20-7 | 1025 | Tue | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 7363 | 20-7 | 1035 | Tue | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 22936 | 21-7 | 0000 | Wed | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 21-7 | 0010 | Wed | Russian diplo/intel. Transmitter issues, only a few signal bursts | FSK 200/500 | (PY) |
| F01 | 17471 | 21-7 | 0020 | Wed | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 21-7 | 0100 | Wed | Russian diplo/intel. 24246 65636 10436 ... 67416 95999 99250 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 16351 | 21-7 | 0110 | Wed | Russian diplo/intel. 24246 65636 10436 ... 67416 95999 99250 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 14428 | 21-7 | 0120 | Wed | Russian diplo/intel. 24246 65636 10436 ... 67416 95999 99250 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 21-7 | 1015 | Wed | Russian diplo/intel. 79950 55889 56572 ... 86222 38122 12423 00000 +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 9192 | 21-7 | 1025 | Wed | Russian diplo/intel. 79950 55889 56572 ... 86222 38122 12423 00000 +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 7363 | 21-7 | 1035 | Wed | Russian diplo/intel. 79950 55889 56572 ... 86222 38122 12423 00000 +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 22936 | 22-7 | 0000 | Thu | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 22-7 | 0010 | Thu | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 22-7 | 0020 | Thu | Russian diplo/intel. No retuning after previous transmission | FSK 200/500 | (PY) |
| F01 | 17471 | 22-7 | 0027 | Thu | Russian diplo/intel. Dirty idle carrier spotted after F01 ended | FSK 200/500 | (PY) |
| F01 | 17532 | 22-7 | 0100 | Thu | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 22-7 | 0100 | Thu | Russian diplo/intel. Transmitter still up with no retuning, carrier out at 0109z | FSK 200/500 | (PY) |
| F01 | 16351 | 22-7 | 0110 | Thu | Russian diplo/intel. 90122 33923 15294 ... 18949 85593 01263 00000 00000 +++++ | FSK 200/500 | (PY) |
| F01 | 14428 | 22-7 | 0120 | Thu | Russian diplo/intel. 90122 33923 15294 ... 18949 85593 01263 00000 00000 +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 22-7 | 1015 | Thu | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 9192 | 22-7 | 1025 | Thu | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 7363 | 22-7 | 1035 | Thu | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 22936 | 23-7 | 0000 | Fri | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 23-7 | 0010 | Fri | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 23-7 | 0020 | Fri | Russian diplo/intel. Dirty signal, no useful decode. Off at 0021z and back again | FSK 200/500 | (PY) |
| F01 | 17532 | 23-7 | 0100 | Fri | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 16351 | 23-7 | 0110 | Fri | Russian diplo/intel. Dirty signal, no useful decode. Off 17 0122z | FSK 200/500 | (PY) |
| F01 | 14428 | 23-7 | 0120 | Fri | Russian diplo/intel. 58467 94422 80546 ... 00425 63729 02262 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 23-7 | 1015 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 9192 | 23-7 | 1025 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 7363 | 23-7 | 1035 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 22936 | 26-7 | 0000 | Mon | Russian diplo/intel. 91709 16169 44218 ... 92099 32870 03315 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 20331 | 26-7 | 0010 | Mon | Russian diplo/intel. Dirty signal, little useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 26-7 | 0020 | Mon | Russian diplo/intel. 91709 16169 44218 ... 92099 32870 03315 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 17532 | 26-7 | 0100 | Mon | Russian diplo/intel. Transmitter issues, only a few signal bursts in the first minute | FSK 200/500 | (PY) |
| F01 | 16351 | 26-7 | 0110 | Mon | Russian diplo/intel. 91709 16169 44218 ... 92099 32870 03315 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 14428 | 26-7 | 0120 | Mon | Russian diplo/intel. 91709 16169 44218 ... 92099 32870 03315 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 26-7 | 1015 | Mon | Russian diplo/intel. 67725 34688 30195 ... 58817 11056 15421 00000 +++++ +++++ +++++ | FSK 200/500 | (AB) |
| F01 | 9192 | 26-7 | 1025 | Mon | Russian diplo/intel. 67725 34688 30195 ... 58817 11056 15421 00000 +++++ +++++ +++++ | FSK 200/500 | (AB-RUS) |

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|-------------|-------|------|------|-----|--------------------------------------------------------------------------------------------|-------------------------|----------|
| F01 | 7363 | 26-7 | 1035 | Mon | Russian diplo/intel. 67725 34688 30195 ... 58817 11056 15421 00000 +++++ +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 22936 | 27-7 | 0000 | Tue | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 27-7 | 0010 | Tue | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 27-7 | 0020 | Tue | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 27-7 | 0100 | Tue | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 16351 | 27-7 | 0110 | Tue | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 14428 | 27-7 | 0120 | Tue | Russian diplo/intel. 33249 15987 18964 ... 64565 15704 04357 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 27-7 | 1015 | Tue | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 9192 | 27-7 | 1025 | Tue | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 7363 | 27-7 | 1035 | Tue | Russian diplo/intel. Two messages | FSK 200/500 | (AB) |
| F01 | 22936 | 28-7 | 0000 | Wed | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 28-7 | 0010 | Wed | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 28-7 | 0020 | Wed | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 28-7 | 0100 | Wed | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 16351 | 28-7 | 0110 | Wed | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 14428 | 28-7 | 0120 | Wed | Russian diplo/intel. 07599 80761 51724 ... 49279 50587 05333 00000 00000 +++++ +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 28-7 | 1015 | Wed | Russian diplo/intel. 68473 03985 25718 ... 12874 33352 18441 00000 +++++ | FSK 200/500 | (AB) |
| F01 | 9192 | 28-7 | 1025 | Wed | Russian diplo/intel. 68473 03985 25718 ... 12874 33352 18441 00000 +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 7363 | 28-7 | 1035 | Wed | Russian diplo/intel. 68473 03985 25718 ... 12874 33352 18441 00000 +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 22936 | 29-7 | 0000 | Thu | Russian diplo/intel. Dirty signal, little useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 29-7 | 0010 | Thu | Russian diplo/intel. Dirty signal, little useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 29-7 | 0020 | Thu | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 29-7 | 0100 | Thu | Russian diplo/intel. Dirty signal, little useful decode | FSK 200/500 | (PY) |
| F01 | 16351 | 29-7 | 0110 | Thu | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 14428 | 29-7 | 0120 | Thu | Russian diplo/intel. Wrong 200Hz shift instead of 500Hz, no useful decode | FSK 200/200 | (PY) |
| F01 | 11141 | 29-7 | 1015 | Thu | Russian diplo/intel. Two messages. Wrong shift | FSK 200/1000 | (AB) |
| F01 | 9192 | 29-7 | 1025 | Thu | Russian diplo/intel. Two messages. Wrong shift | FSK 200/1000 | (AB-RUS) |
| F01 | 7363 | 29-7 | 1035 | Thu | Russian diplo/intel. Two messages. Wrong shift | FSK 200/1000 | (AB-RUS) |
| F01 | 22936 | 30-7 | 0000 | Fri | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 20331 | 30-7 | 0010 | Fri | Russian diplo/intel. Dirty signal, little useful decode | FSK 200/500 | (PY) |
| F01 | 17471 | 30-7 | 0020 | Fri | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 17532 | 30-7 | 0100 | Fri | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 16351 | 30-7 | 0110 | Fri | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/500 | (PY) |
| F01 | 14428 | 30-7 | 0120 | Fri | Russian diplo/intel. 48093 95642 92359 ... 93926 76646 07418 00000 00000 +++++ +++++ | FSK 200/500 | (PY) |
| F01 | 11141 | 30-7 | 1015 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB) |
| F01 | 9192 | 30-7 | 1025 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F01 | 7363 | 30-7 | 1035 | Fri | Russian diplo/intel. 5761 00000 +++++ +++++ | FSK 200/500 | (AB-RUS) |
| F03j | 8803 | 1-7 | 0615 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 1-7 | 0620 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 1-7 | 0725 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB-POL) |
| F03j | 17410 | 1-7 | 0730 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB-POL) |
| F03j | 12385 | 1-7 | 0835 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |

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|------|-------|-----|------|-----|---------------|-------------------------|------|
| F03j | 12385 | 1-7 | 0840 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 1-7 | 0915 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 1-7 | 0920 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 2-7 | 0810 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 2-7 | 0815 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 2-7 | 0900 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 2-7 | 0905 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 2-7 | 0945 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 2-7 | 0950 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 5-7 | 0615 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 5-7 | 0620 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 5-7 | 0810 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 5-7 | 0815 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 5-7 | 1030 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 5-7 | 1035 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 6-7 | 0615 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 6-7 | 0620 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 6-7 | 0800 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 6-7 | 0805 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 6-7 | 0835 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 6-7 | 0840 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 6-7 | 0900 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 6-7 | 0905 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 6-7 | 0945 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 6-7 | 0950 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 7-7 | 0615 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 7-7 | 0615 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 7-7 | 0800 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 7-7 | 0805 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 7-7 | 0915 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 7-7 | 0920 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 7-7 | 1030 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 7-7 | 1035 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 8-7 | 0615 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 8-7 | 0620 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 8-7 | 0725 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 8-7 | 0730 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 8-7 | 0835 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 8-7 | 0840 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 8-7 | 0915 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 8-7 | 0920 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 9-7 | 0810 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |

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|-------------|-------|------|------|-----|---------------|-------------------------|------|
| F03j | 12397 | 9-7 | 0815 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 9-7 | 0900 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 9-7 | 0905 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 9-7 | 0945 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 9-7 | 0950 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 12-7 | 0615 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 12-7 | 0620 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 12-7 | 0810 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 12-7 | 0815 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 12-7 | 1030 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 12-7 | 1035 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 13-7 | 0615 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 13-7 | 0620 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 13-7 | 0725 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 13-7 | 0730 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 13-7 | 0800 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 13-7 | 0805 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 13-7 | 0835 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 13-7 | 0840 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 13-7 | 0900 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 13-7 | 0905 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 13-7 | 0945 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 13-7 | 0950 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 14-7 | 0615 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 14-7 | 0615 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 14-7 | 0800 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 14-7 | 0805 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 14-7 | 0915 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 14-7 | 0920 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 14-7 | 1030 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 14-7 | 1035 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 15-7 | 0615 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 15-7 | 0620 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 15-7 | 0725 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 15-7 | 0730 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 15-7 | 0835 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 15-7 | 0840 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 15-7 | 0915 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 15-7 | 0920 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 16-7 | 0945 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 16-7 | 0950 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 19-7 | 0615 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |

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|-------------|-------|------|------|-----|---------------|-------------------------|----------|
| F03j | 17410 | 19-7 | 0620 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 19-7 | 0810 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 19-7 | 0815 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 19-7 | 1030 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB/MPJ) |
| F03j | 8423 | 19-7 | 1035 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB/MPJ) |
| F03j | 8803 | 20-7 | 0615 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 20-7 | 0620 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 20-7 | 0725 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 20-7 | 0730 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 20-7 | 0800 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 20-7 | 0805 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 20-7 | 0835 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 20-7 | 0840 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 20-7 | 0900 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 20-7 | 0905 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 20-7 | 0945 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 20-7 | 0950 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 21-7 | 0615 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 21-7 | 0615 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 21-7 | 0800 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 21-7 | 0805 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 21-7 | 0915 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 21-7 | 0920 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 21-7 | 1030 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 21-7 | 1035 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 22-7 | 0615 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 22-7 | 0620 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 22-7 | 0725 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 22-7 | 0730 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 10210 | 22-7 | 0735 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 10210 | 22-7 | 0740 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 22-7 | 0835 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 22-7 | 0840 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 22-7 | 0915 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 22-7 | 0920 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 23-7 | 0810 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 23-7 | 0815 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 23-7 | 0900 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 23-7 | 0905 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 23-7 | 0945 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 23-7 | 0950 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 26-7 | 0615 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |

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|-------------|-------|------|------|-----|---------------|-------------------------|----------|
| F03j | 17410 | 26-7 | 0620 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 10210 | 26-7 | 0735 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 10210 | 26-7 | 0740 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 26-7 | 0810 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 26-7 | 0815 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 26-7 | 1030 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB/MPJ) |
| F03j | 8423 | 26-7 | 1035 | Mon | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB/MPJ) |
| F03j | 8803 | 27-7 | 0615 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 27-7 | 0620 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 27-7 | 0800 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 27-7 | 0805 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 27-7 | 0835 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 27-7 | 0840 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 27-7 | 0900 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 27-7 | 0905 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 27-7 | 0945 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 27-7 | 0950 | Tue | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 28-7 | 0615 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 28-7 | 0615 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 28-7 | 0800 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 18030 | 28-7 | 0805 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 28-7 | 0915 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 28-7 | 0920 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 28-7 | 1030 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8423 | 28-7 | 1035 | Wed | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 29-7 | 0615 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 8803 | 29-7 | 0620 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 29-7 | 0725 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 17410 | 29-7 | 0730 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 10210 | 29-7 | 0735 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 10210 | 29-7 | 0740 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 29-7 | 0835 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12385 | 29-7 | 0840 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 29-7 | 0915 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 6304 | 29-7 | 0920 | Thu | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 30-7 | 0810 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 12397 | 30-7 | 0815 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 30-7 | 0900 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 9950 | 30-7 | 0905 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 30-7 | 0945 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03j | 7663 | 30-7 | 0950 | Fri | Polish intel. | FSK-4 100Bd/400Hz/448bp | (AB) |
| F03l | 14410 | 1-7 | 0430 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB-POL) |

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|-------------|-------|------|------|-----|--------------------------------------------------|-------------------------|----------|
| F03I | 14410 | 1-7 | 0435 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB-POL) |
| F03I | 14865 | 1-7 | 0635 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 1-7 | 0640 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 12385 | 1-7 | 1800 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (MPJ) |
| F03I | 12385 | 1-7 | 1805 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (MPJ) |
| F03I | 6304 | 1-7 | 1830 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 6304 | 1-7 | 1835 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 7469 | 5-7 | 0950 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 7469 | 5-7 | 0955 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 6304 | 5-7 | 1830 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 6304 | 5-7 | 1835 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 14865 | 6-7 | 0635 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 6-7 | 0640 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 12385 | 6-7 | 1800 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 12385 | 6-7 | 1805 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14410 | 7-7 | 0430 | Wed | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14410 | 7-7 | 0435 | Wed | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 7469 | 7-7 | 0950 | Wed | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 7469 | 7-7 | 0955 | Wed | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14410 | 8-7 | 0430 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14410 | 8-7 | 0435 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 8-7 | 0635 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 8-7 | 0640 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 12385 | 8-7 | 1800 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 12385 | 8-7 | 1805 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 6304 | 8-7 | 1830 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (MPJ) |
| F03I | 6304 | 8-7 | 1835 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (MPJ) |
| F03I | 7469 | 12-7 | 0950 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 7469 | 12-7 | 0955 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 6304 | 12-7 | 1830 | Mon | No transmission due to thunderstorms over Warsaw | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 6304 | 12-7 | 1835 | Mon | No transmission due to thunderstorms over Warsaw | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 13-7 | 0635 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 13-7 | 0640 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 12385 | 13-7 | 1800 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 12385 | 13-7 | 1805 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 7469 | 14-7 | 0950 | Wed | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 7469 | 14-7 | 0955 | Wed | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 15-7 | 0635 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 15-7 | 0640 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 12385 | 15-7 | 1800 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 12385 | 15-7 | 1805 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 6304 | 15-7 | 1830 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (MPJ) |

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|------|-------|------|------|-----|--------------------------------------------------------------------------------------|-------------------------|----------|
| F03I | 6304 | 15-7 | 1835 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (MPJ) |
| F03I | 7469 | 19-7 | 0950 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 7469 | 19-7 | 0955 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 6304 | 19-7 | 1830 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 6304 | 19-7 | 1835 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 14865 | 20-7 | 0635 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 20-7 | 0640 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 12385 | 20-7 | 1800 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 12385 | 20-7 | 1805 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 7469 | 21-7 | 0950 | Wed | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 7469 | 21-7 | 0955 | Wed | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 22-7 | 0635 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 22-7 | 0640 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 12385 | 22-7 | 1800 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 12385 | 22-7 | 1805 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 6304 | 22-7 | 1830 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 6304 | 22-7 | 1835 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 7469 | 26-7 | 0950 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 7469 | 26-7 | 0955 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 6304 | 26-7 | 1830 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 6304 | 26-7 | 1835 | Mon | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 14865 | 27-7 | 0635 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 27-7 | 0640 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 12385 | 27-7 | 1800 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 12385 | 27-7 | 1805 | Tue | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 7469 | 28-7 | 0950 | Wed | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 7469 | 28-7 | 0955 | Wed | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 29-7 | 0635 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 14865 | 29-7 | 0640 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB) |
| F03I | 12385 | 29-7 | 1800 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 12385 | 29-7 | 1805 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 6304 | 29-7 | 1830 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F03I | 6304 | 29-7 | 1835 | Thu | Polish intel. | FSK-2 100Bd/200Hz/448bp | (AB/MPJ) |
| F06 | 9417 | 1-7 | 0200 | Thu | Russian diplo/intel. 11166 60146 00000 01085 02599 | FSK 200/1000 | (PY) |
| F06 | 10216 | 1-7 | 0200 | Thu | Russian diplo/intel. 11166 60146 00000 01085 02599 | FSK 200/1000 | (PY) |
| F06 | 11563 | 1-7 | 0200 | Thu | Russian diplo/intel. 11166 60146 00000 01085 02599 | FSK 200/1000 | (PY) |
| F06 | 13370 | 1-7 | 0200 | Thu | Russian diplo/intel. Dirty signal, abrupt signal failure at 0206z | FSK 200/1000 | (PY) |
| F06 | 11538 | 1-7 | 0210 | Thu | Russian diplo/intel. 11166 60146 00000 01085 02599 | FSK 200/1000 | (PY) |
| F06 | 10614 | 1-7 | 0220 | Thu | Russian diplo/intel. Dirty signal, no useful decode | FSK 200/1000 | (PY) |
| F06 | 13881 | 1-7 | 0700 | Thu | Russian diplo/intel. 11166 70202 15937 30024 01739 and 11166 70202 26485 30025 01699 | FSK 200/1000 | (AB) |
| F06 | 11159 | 1-7 | 0710 | Thu | Russian diplo/intel. 11166 70202 15937 30024 01739 and 11166 70202 26485 30025 01699 | FSK 200/1000 | (AB) |
| F06 | 9188 | 1-7 | 0720 | Thu | Russian diplo/intel. 11166 70202 15937 30024 01739 and 11166 70202 26485 30025 01699 | FSK 200/1000 | (AB) |

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| F06 | 12183 | 1-7 | 1200 | Thu | Russian diplo/intel. 11166 70202 15937 30024 01739 and 11166 70202 26485 30025 01699 | FSK 200/1000 | (AB) |
| F06 | 10629 | 1-7 | 1210 | Thu | Russian diplo/intel. 11166 70202 15937 30024 01739 and 11166 70202 26485 30025 01699 | FSK 200/1000 | (AB) |
| F06 | 8138 | 1-7 | 1220 | Thu | Russian diplo/intel. 11166 70202 15937 30024 01739 and 11166 70202 26485 30025 01699 | FSK 200/1000 | (AB) |
| F06 | 13814 | 1-7 | 1330 | Thu | Russian diplo/intel. 11166 80214 34865 01038 00049 00000 00000 00000 00000 | FSK 200/800 | (AB) |
| F06 | 11643 | 1-7 | 1340 | Thu | Russian diplo/intel. 11166 80214 34865 01038 00049 00000 00000 00000 00000 | FSK 200/800 | (AB) |
| F06 | 9925 | 1-7 | 1350 | Thu | Russian diplo/intel. 11166 80214 34865 01038 00049 00000 00000 00000 00000 | FSK 200/800 | (AB) |
| F06 | 13370 | 2-7 | 0200 | Fri | Russian diplo/intel. 11166 60146 00000 02086 02609 | FSK 200/1000 | (PY) |
| F06 | 11538 | 2-7 | 0210 | Fri | Russian diplo/intel. Not monitored | FSK 200/1000 | (PY) |
| F06 | 10614 | 2-7 | 0220 | Fri | Russian diplo/intel. Not monitored | FSK 200/1000 | (PY) |
| F06 | 11563 | 2-7 | 0300 | Fri | Russian diplo/intel. 11166 60146 00000 02086 02609 | FSK 200/1000 | (PY) |
| F06 | 10216 | 2-7 | 0310 | Fri | Russian diplo/intel. 11166 60146 00000 02086 02609 | FSK 200/1000 | (PY) |
| F06 | 9417 | 2-7 | 0320 | Fri | Russian diplo/intel. 11166 60146 00000 02086 02609 | FSK 200/1000 | (PY) |
| F06 | 13881 | 2-7 | 0700 | Fri | Russian diplo/intel. 11166 70202 75436 02075 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 11159 | 2-7 | 0710 | Fri | Russian diplo/intel. 11166 70202 75436 02075 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 9188 | 2-7 | 0720 | Fri | Russian diplo/intel. 11166 70202 75436 02075 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13370 | 3-7 | 0200 | Sat | Russian diplo/intel. 11166 60146 00000 05087 02669 | FSK 200/1000 | (PY) |
| F06 | 11538 | 3-7 | 0210 | Sat | Russian diplo/intel. 11166 60146 00000 05087 02669 | FSK 200/1000 | (PY) |
| F06 | 10614 | 3-7 | 0220 | Sat | Russian diplo/intel. 11166 60146 00000 05087 02669 | FSK 200/1000 | (PY) |
| F06 | 11563 | 3-7 | 0300 | Sat | Russian diplo/intel. 11166 60146 00000 05087 02669 | FSK 200/1000 | (PY) |
| F06 | 10216 | 3-7 | 0310 | Sat | Russian diplo/intel. 11166 60146 00000 05087 02669 | FSK 200/1000 | (PY) |
| F06 | 9417 | 3-7 | 0320 | Sat | Russian diplo/intel. 11166 60146 00000 05087 02669 | FSK 200/1000 | (PY) |
| F06 | 19466 | 4-7 | 1530 | Sun | Russian diplo/intel. 11166 10053 78541 04001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 16189 | 4-7 | 1540 | Sun | Russian diplo/intel. 11166 10053 78541 04001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 13576 | 4-7 | 1550 | Sun | Russian diplo/intel. 11166 10053 78541 04001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 10539 | 5-7 | 0400 | Mon | Russian diplo/intel. 11166 70059 78541 05001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 8107 | 5-7 | 0410 | Mon | Russian diplo/intel. 11166 70059 78541 05001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 6791 | 5-7 | 0420 | Mon | Russian diplo/intel. 11166 70059 78541 05001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13881 | 5-7 | 0700 | Mon | Russian diplo/intel. 11166 70202 72465 02026 02379 | FSK 200/1000 | (AB) |
| F06 | 11159 | 5-7 | 0710 | Mon | Russian diplo/intel. 11166 70202 72465 02026 02379 | FSK 200/1000 | (AB) |
| F06 | 9188 | 5-7 | 0720 | Mon | Russian diplo/intel. 11166 70202 72465 02026 02379 | FSK 200/1000 | (AB) |
| F06 | 12183 | 5-7 | 1200 | Mon | Russian diplo/intel. 11166 70202 72465 02026 02379 | FSK 200/1000 | (AB/MPJ) |
| F06 | 10629 | 5-7 | 1210 | Mon | Russian diplo/intel. 11166 70202 72465 02026 02379 | FSK 200/1000 | (AB/MPJ) |
| F06 | 8138 | 5-7 | 1220 | Mon | Russian diplo/intel. 11166 70202 72465 02026 02379 | FSK 200/1000 | (AB/MPJ) |
| F06 | 13370 | 6-7 | 0200 | Tue | Russian diplo/intel. 11166 60146 00000 06088 02679 Inverted FSK | FSK 200/1000 | (PY) |
| F06 | 11538 | 6-7 | 0210 | Tue | Russian diplo/intel. 11166 60146 00000 06088 02679 Inverted FSK | FSK 200/1000 | (PY) |
| F06 | 10614 | 6-7 | 0220 | Tue | Russian diplo/intel. 11166 60146 00000 06088 02679 Inverted FSK | FSK 200/1000 | (PY) |
| F06 | 11563 | 6-7 | 0300 | Tue | Russian diplo/intel. 11166 60146 00000 06088 02679 Inverted FSK | FSK 200/1000 | (PY) |
| F06 | 10216 | 6-7 | 0310 | Tue | Russian diplo/intel. 11166 60146 00000 06088 02679 Inverted FSK | FSK 200/1000 | (PY) |
| F06 | 9417 | 6-7 | 0320 | Tue | Russian diplo/intel. 11166 60146 00000 06088 02679 Inverted FSK | FSK 200/1000 | (PY) |
| F06 | 13881 | 6-7 | 0700 | Tue | Russian diplo/intel. 11166 70202 73218 05027 01799 and 11166 70202 42691 05028 01599 | FSK 200/1000 | (AB) |
| F06 | 11159 | 6-7 | 0710 | Tue | Russian diplo/intel. 11166 70202 73218 05027 01799 and 11166 70202 42691 05028 01599 | FSK 200/1000 | (AB) |
| F06 | 9188 | 6-7 | 0720 | Tue | Russian diplo/intel. 11166 70202 73218 05027 01799 and 11166 70202 42691 05028 01599 | FSK 200/1000 | (AB) |

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| F06 | 12183 | 6-7 | 1200 | Tue | Russian diplo/intel. 11166 70202 73218 05027 01799 and 11166 70202 42691 05028 01599 | FSK 200/1000 | (AB) |
| F06 | 10629 | 6-7 | 1210 | Tue | Russian diplo/intel. 11166 70202 73218 05027 01799 and 11166 70202 42691 05028 01599 | FSK 200/1000 | (AB) |
| F06 | 8138 | 6-7 | 1220 | Tue | Russian diplo/intel. 11166 70202 73218 05027 01799 and 11166 70202 42691 05028 01599 | FSK 200/1000 | (AB) |
| F06 | 19535 | 6-7 | 1650 | Tue | Russian diplo/intel. 11166 10053 15963 06001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 16348 | 6-7 | 1700 | Tue | Russian diplo/intel. 11166 10053 15963 06001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13588 | 6-7 | 1710 | Tue | Russian diplo/intel. 11166 10053 15963 06001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13370 | 7-7 | 0200 | Wed | Russian diplo/intel. 11166 60146 00000 07089 03199 | FSK 200/1000 | (PY) |
| F06 | 11538 | 7-7 | 0210 | Wed | Russian diplo/intel. 11166 60146 00000 07089 03199 | FSK 200/1000 | (PY) |
| F06 | 10614 | 7-7 | 0220 | Wed | Russian diplo/intel. 11166 60146 00000 07089 03199 | FSK 200/1000 | (PY) |
| F06 | 11563 | 7-7 | 0300 | Wed | Russian diplo/intel. 11166 60146 00000 07089 03199 | FSK 200/1000 | (PY) |
| F06 | 10216 | 7-7 | 0310 | Wed | Russian diplo/intel. 11166 60146 00000 07089 03199 | FSK 200/1000 | (PY) |
| F06 | 9417 | 7-7 | 0320 | Wed | Russian diplo/intel. Not monitored | FSK 200/1000 | (PY) |
| F06 | 17419 | 7-7 | 0600 | Wed | Russian diplo/intel. 11166 40122 56981 03054 04949 | FSK 200/1000 | (AB-J) |
| F06 | 15707 | 7-7 | 0610 | Wed | Russian diplo/intel. 11166 40122 56981 03054 04949 | FSK 200/1000 | (AB-J) |
| F06 | 13446 | 7-7 | 0620 | Wed | Russian diplo/intel. 11166 40122 56981 03054 04949 | FSK 200/1000 | (AB-J) |
| F06 | 13881 | 7-7 | 0700 | Wed | Russian diplo/intel. 11166 70202 25793 06029 02439 | FSK 200/1000 | (AB) |
| F06 | 11159 | 7-7 | 0710 | Wed | Russian diplo/intel. 11166 70202 25793 06029 02439 | FSK 200/1000 | (AB) |
| F06 | 9188 | 7-7 | 0720 | Wed | Russian diplo/intel. 11166 70202 25793 06029 02439 | FSK 200/1000 | (AB) |
| F06 | 12183 | 7-7 | 1200 | Wed | Russian diplo/intel. 11166 70202 25793 06029 02439 | FSK 200/1000 | (AB/MPJ) |
| F06 | 10629 | 7-7 | 1210 | Wed | Russian diplo/intel. 11166 70202 25793 06029 02439 | FSK 200/1000 | (AB/MPJ) |
| F06 | 8138 | 7-7 | 1220 | Wed | Russian diplo/intel. 11166 70202 25793 06029 02439 | FSK 200/1000 | (AB/MPJ) |
| F06 | 13370 | 8-7 | 0200 | Thu | Russian diplo/intel. 11166 60146 00000 08090 03029 Dirty signal | FSK 200/1000 | (PY) |
| F06 | 11538 | 8-7 | 0210 | Thu | Russian diplo/intel. 11166 60146 00000 08090 03029 | FSK 200/1000 | (PY) |
| F06 | 10614 | 8-7 | 0220 | Thu | Russian diplo/intel. 11166 60146 00000 08090 03029 Dirty signal | FSK 200/1000 | (PY) |
| F06 | 11563 | 8-7 | 0300 | Thu | Russian diplo/intel. 11166 60146 00000 08090 03029 | FSK 200/1000 | (PY) |
| F06 | 10216 | 8-7 | 0310 | Thu | Russian diplo/intel. 11166 60146 00000 08090 03029 Dirty signal | FSK 200/1000 | (PY) |
| F06 | 9417 | 8-7 | 0320 | Thu | Russian diplo/intel. 11166 60146 00000 08090 03029 Dirty signal | FSK 200/1000 | (PY) |
| F06 | 17419 | 8-7 | 0600 | Thu | Russian diplo/intel. 11166 40122 56981 03054 04949 | FSK 200/1000 | (AB-J) |
| F06 | 15707 | 8-7 | 0610 | Thu | Russian diplo/intel. 11166 40122 56981 03054 04949 | FSK 200/1000 | (AB-J) |
| F06 | 13446 | 8-7 | 0620 | Thu | Russian diplo/intel. 11166 40122 56981 03054 04949 | FSK 200/1000 | (AB-J) |
| F06 | 13881 | 8-7 | 0700 | Thu | Russian diplo/intel. 11166 70202 85621 07030 01599 and 11166 70202 42691 07031 01639 | FSK 200/1000 | (AB) |
| F06 | 11159 | 8-7 | 0710 | Thu | Russian diplo/intel. 11166 70202 85621 07030 01599 and 11166 70202 42691 07031 01639 | FSK 200/1000 | (AB) |
| F06 | 9188 | 8-7 | 0720 | Thu | Russian diplo/intel. 11166 70202 85621 07030 01599 and 11166 70202 42691 07031 01639 | FSK 200/1000 | (AB) |
| F06 | 12183 | 8-7 | 1200 | Thu | Russian diplo/intel. 11166 70202 85621 07030 01599 and 11166 70202 42691 07031 01639 | FSK 200/1000 | (AB) |
| F06 | 10629 | 8-7 | 1210 | Thu | Russian diplo/intel. 11166 70202 85621 07030 01599 and 11166 70202 42691 07031 01639 | FSK 200/1000 | (AB) |
| F06 | 8138 | 8-7 | 1220 | Thu | Russian diplo/intel. 11166 70202 85621 07030 01599 and 11166 70202 42691 07031 01639 | FSK 200/1000 | (AB) |
| F06 | 13814 | 8-7 | 1330 | Thu | Russian diplo/intel. 11166 80294 25861 08274 00049 00008 00000 00000 00000 | FSK 200/800 | (AB/MPJ) |
| F06 | 11643 | 8-7 | 1340 | Thu | Russian diplo/intel. 11166 80294 25861 08274 00049 00008 00000 00000 00000 | FSK 200/800 | (AB/MPJ) |
| F06 | 9925 | 8-7 | 1350 | Thu | Russian diplo/intel. 11166 80294 25861 08274 00049 00008 00000 00000 00000 | FSK 200/800 | (AB/MPJ) |
| F06 | 13370 | 9-7 | 0200 | Fri | Russian diplo/intel. 11166 60146 00000 09091 02689 | FSK 200/1000 | (PY) |
| F06 | 11538 | 9-7 | 0210 | Fri | Russian diplo/intel. 11166 60146 00000 09091 02689 | FSK 200/1000 | (PY) |
| F06 | 10614 | 9-7 | 0220 | Fri | Russian diplo/intel. 11166 60146 00000 09091 02689 | FSK 200/1000 | (PY) |

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| F06 | 11563 | 9-7 | 0300 | Fri | Russian diplo/intel. 11166 60146 00000 09091 02689 | FSK 200/1000 | (PY) |
| F06 | 10216 | 9-7 | 0310 | Fri | Russian diplo/intel. 11166 60146 00000 09091 02689 | FSK 200/1000 | (PY) |
| F06 | 9417 | 9-7 | 0320 | Fri | Russian diplo/intel. 11166 60146 00000 09091 02689 Signal interruptions | FSK 200/1000 | (PY) |
| F06 | 13881 | 9-7 | 0700 | Fri | Russian diplo/intel. 11166 70202 64879 09077 00049 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 11159 | 9-7 | 0710 | Fri | Russian diplo/intel. 11166 70202 64879 09077 00049 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 9188 | 9-7 | 0720 | Fri | Russian diplo/intel. 11166 70202 64879 09077 00049 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 19466 | 11-7 | 1530 | Sun | Russian diplo/intel. 11166 10053 47823 11001 00049 00000 00000 00000 | FSK 200/1000 | (AB-RUS) |
| F06 | 16189 | 11-7 | 1540 | Sun | Russian diplo/intel. 11166 10053 47823 11001 00049 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13576 | 11-7 | 1550 | Sun | Russian diplo/intel. 11166 10053 47823 11001 00049 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13370 | 12-7 | 0200 | Mon | Russian diplo/intel. 11166 60146 00000 12092 02629 Signal failure and off at 0205z | FSK 200/1000 | (PY) |
| F06 | 11538 | 12-7 | 0210 | Mon | Russian diplo/intel. 11166 60146 00000 12092 02629 | FSK 200/1000 | (PY) |
| F06 | 10614 | 12-7 | 0220 | Mon | Russian diplo/intel. 11166 60146 00000 12092 02629 | FSK 200/1000 | (PY) |
| F06 | 11563 | 12-7 | 0300 | Mon | Russian diplo/intel. 11166 60146 00000 12092 02629 | FSK 200/1000 | (PY) |
| F06 | 10216 | 12-7 | 0310 | Mon | Russian diplo/intel. 11166 60146 00000 12092 02629 | FSK 200/1000 | (PY) |
| F06 | 9417 | 12-7 | 0320 | Mon | Russian diplo/intel. No transmission. Carrier off at 0321z | FSK 200/1000 | (PY) |
| F06 | 13881 | 12-7 | 0700 | Mon | Russian diplo/intel. 11166 70202 64287 09032 02559 | FSK 200/1000 | (AB) |
| F06 | 11159 | 12-7 | 0710 | Mon | Russian diplo/intel. 11166 70202 64287 09032 02559 | FSK 200/1000 | (AB) |
| F06 | 9188 | 12-7 | 0720 | Mon | Russian diplo/intel. 11166 70202 64287 09032 02559 | FSK 200/1000 | (AB) |
| F06 | 12183 | 12-7 | 1200 | Mon | Russian diplo/intel. 11166 70202 64287 09032 02559 | FSK 200/1000 | (AB) |
| F06 | 10629 | 12-7 | 1210 | Mon | Russian diplo/intel. 11166 70202 64287 09032 02559 | FSK 200/1000 | (AB) |
| F06 | 8138 | 12-7 | 1220 | Mon | Russian diplo/intel. 11166 70202 64287 09032 02559 | FSK 200/1000 | (AB) |
| F06 | 11619 | 13-7 | 0030 | Tue | Russian diplo/intel. 11166 60070 45623 13001 00049 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 10524 | 13-7 | 0040 | Tue | Russian diplo/intel. 11166 60070 45623 13001 00049 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 9389 | 13-7 | 0050 | Tue | Russian diplo/intel. 11166 60070 45623 13001 00049 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13370 | 13-7 | 0200 | Tue | Russian diplo/intel. 11166 60146 00000 13093 02629 Dirty signal. off at 0218z. Back at 0220z and off at 0227z | FSK 200/1000 | (PY) |
| F06 | 10614 | 13-7 | 0220 | Tue | Russian diplo/intel. No transmission | FSK 200/1000 | (PY) |
| F06 | 11538 | 13-7 | 0220 | Tue | Russian diplo/intel. 11166 60146 00000 13093 02629 Off at 0227z | FSK 200/500 | (PY) |
| F06 | 11563 | 13-7 | 0300 | Tue | Russian diplo/intel. 11166 60146 00000 13093 02629 | FSK 200/1000 | (PY) |
| F06 | 10216 | 13-7 | 0310 | Tue | Russian diplo/intel. 11166 60146 00000 13093 02629 | FSK 200/1000 | (PY) |
| F06 | 13881 | 13-7 | 0700 | Tue | Russian diplo/intel. 11166 70202 75391 12033 01539 and 11166 70202 64825 12034 01619 | FSK 200/1000 | (AB) |
| F06 | 11159 | 13-7 | 0710 | Tue | Russian diplo/intel. 11166 70202 75391 12033 01539 and 11166 70202 64825 12034 01619 | FSK 200/1000 | (AB) |
| F06 | 9188 | 13-7 | 0720 | Tue | Russian diplo/intel. 11166 70202 75391 12033 01539 and 11166 70202 64825 12034 01619 | FSK 200/1000 | (AB) |
| F06 | 12183 | 13-7 | 1200 | Tue | Russian diplo/intel. 11166 70202 75391 12033 01539 and 11166 70202 64825 12034 01619 | FSK 200/1000 | (AB) |
| F06 | 10629 | 13-7 | 1210 | Tue | Russian diplo/intel. 11166 70202 75391 12033 01539 and 11166 70202 64825 12034 01619 | FSK 200/1000 | (AB) |
| F06 | 8138 | 13-7 | 1220 | Tue | Russian diplo/intel. 11166 70202 75391 12033 01539 and 11166 70202 64825 12034 01619 | FSK 200/1000 | (AB) |
| F06 | 19535 | 13-7 | 1650 | Tue | Russian diplo/intel. 11166 10053 79462 13001 00049 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 16348 | 13-7 | 1700 | Tue | Russian diplo/intel. 11166 10053 79462 13001 00049 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13588 | 13-7 | 1710 | Tue | Russian diplo/intel. 11166 10053 79462 13001 00049 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13370 | 14-7 | 0200 | Wed | Russian diplo/intel. 11166 60146 00000 14094 02539 Dirty signal | FSK 200/1000 | (PY) |
| F06 | 11538 | 14-7 | 0210 | Wed | Russian diplo/intel. 11166 60146 00000 14094 02539 | FSK 200/1000 | (PY) |
| F06 | 10614 | 14-7 | 0220 | Wed | Russian diplo/intel. 11166 60146 00000 14094 02539 Dirty signal | FSK 200/1000 | (PY) |

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| F06 | 11563 | 14-7 | 0300 | Wed | Russian diplo/intel. Not monitored | FSK 200/1000 | (PY) |
| F06 | 10216 | 14-7 | 0310 | Wed | Russian diplo/intel. Not monitored | FSK 200/1000 | (PY) |
| F06 | 9417 | 14-7 | 0320 | Wed | Russian diplo/intel. 11166 60146 00000 14094 02539 | FSK 200/1000 | (PY) |
| F06 | 17419 | 14-7 | 0600 | Wed | Russian diplo/intel. 11166 40122 57938 10055 02979 and 11166 40122 16924 10056 02879 | FSK 200/1000 | (AB-J) |
| F06 | 15707 | 14-7 | 0610 | Wed | Russian diplo/intel. 11166 40122 57938 10055 02979 and 11166 40122 16924 10056 02879 | FSK 200/1000 | (AB-J) |
| F06 | 13446 | 14-7 | 0620 | Wed | Russian diplo/intel. 11166 40122 57938 10055 02979 and 11166 40122 16924 10056 02879 | FSK 200/1000 | (AB-J) |
| F06 | 13881 | 14-7 | 0700 | Wed | Russian diplo/intel. 11166 70202 52498 13035 02399 | FSK 200/1000 | (AB) |
| F06 | 11159 | 14-7 | 0710 | Wed | Russian diplo/intel. 11166 70202 52498 13035 02399 | FSK 200/1000 | (AB) |
| F06 | 9188 | 14-7 | 0720 | Wed | Russian diplo/intel. 11166 70202 52498 13035 02399 | FSK 200/1000 | (AB) |
| F06 | 15634 | 14-7 | 0800 | Wed | Russian diplo/intel. 11166 00052 36921 14088 01769 | FSK 200/1000 | (AB) |
| F06 | 13596 | 14-7 | 0810 | Wed | Russian diplo/intel. 11166 00052 36921 14088 01769 | FSK 200/1000 | (AB) |
| F06 | 11466 | 14-7 | 0820 | Wed | Russian diplo/intel. 11166 00052 36921 14088 01769 | FSK 200/1000 | (AB) |
| F06 | 12183 | 14-7 | 1200 | Wed | Russian diplo/intel. 11166 70202 52498 13035 02399 | FSK 200/1000 | (AB/MPJ) |
| F06 | 10629 | 14-7 | 1210 | Wed | Russian diplo/intel. 11166 70202 52498 13035 02399 | FSK 200/1000 | (AB/MPJ) |
| F06 | 8138 | 14-7 | 1220 | Wed | Russian diplo/intel. 11166 70202 52498 13035 02399 | FSK 200/1000 | (AB/MPJ) |
| F06 | 13370 | 15-7 | 0200 | Thu | Russian diplo/intel. Dirty signal, wrong 500Hz shift instead of 1000Hz (not decoded) | FSK 200/500 | (PY) |
| F06 | 11538 | 15-7 | 0210 | Thu | Russian diplo/intel. Damaged waveform, no useful decode | FSK 200/1000 | (PY) |
| F06 | 10614 | 15-7 | 0220 | Thu | Russian diplo/intel. Damaged waveform, no useful decode | FSK 200/1000 | (PY) |
| F06 | 11563 | 15-7 | 0300 | Thu | Russian diplo/intel. Damaged waveform, little useful decode. 43 blocks and 1 message starting at block #1 | FSK 200/1000 | (PY) |
| F06 | 10216 | 15-7 | 0310 | Thu | Russian diplo/intel. Late start mid-message, damaged waveform, no useful decode | FSK 200/1000 | (PY) |
| F06 | 9417 | 15-7 | 0320 | Thu | Russian diplo/intel. Not decoded | FSK 200/1000 | (PY) |
| F06 | 17419 | 15-7 | 0600 | Thu | Russian diplo/intel. 11166 40122 57938 10055 02979 and 11166 40122 16924 10056 02879 | FSK 200/1000 | (AB-J) |
| F06 | 15707 | 15-7 | 0610 | Thu | Russian diplo/intel. 11166 40122 57938 10055 02979 and 11166 40122 16924 10056 02879 | FSK 200/1000 | (AB-J) |
| F06 | 13446 | 15-7 | 0620 | Thu | Russian diplo/intel. 11166 40122 57938 10055 02979 and 11166 40122 16924 10056 02879 | FSK 200/1000 | (AB-J) |
| F06 | 13881 | 15-7 | 0700 | Thu | Russian diplo/intel. 11166 70202 31648 14036 01759 and 11166 70202 36987 14037 01739 | FSK 200/1000 | (AB) |
| F06 | 11159 | 15-7 | 0710 | Thu | Russian diplo/intel. 11166 70202 31648 14036 01759 and 11166 70202 36987 14037 01739 | FSK 200/1000 | (AB) |
| F06 | 9188 | 15-7 | 0720 | Thu | Russian diplo/intel. 11166 70202 31648 14036 01759 and 11166 70202 36987 14037 01739 | FSK 200/1000 | (AB-RUS) |
| F06 | 15634 | 15-7 | 0800 | Thu | Russian diplo/intel. 11166 00052 36921 14088 01769 | FSK 200/1000 | (AB) |
| F06 | 13596 | 15-7 | 0810 | Thu | Russian diplo/intel. 11166 00052 36921 14088 01769 | FSK 200/1000 | (AB) |
| F06 | 11466 | 15-7 | 0820 | Thu | Russian diplo/intel. 11166 00052 36921 14088 01769 | FSK 200/1000 | (AB) |
| F06 | 12183 | 15-7 | 1200 | Thu | Russian diplo/intel. 11166 70202 31648 14036 01759 and 11166 70202 36987 14037 01739 | FSK 200/1000 | (AB) |
| F06 | 10629 | 15-7 | 1210 | Thu | Russian diplo/intel. 11166 70202 31648 14036 01759 and 11166 70202 36987 14037 01739 | FSK 200/1000 | (AB) |
| F06 | 8138 | 15-7 | 1220 | Thu | Russian diplo/intel. 11166 70202 31648 14036 01759 and 11166 70202 36987 14037 01739 | FSK 200/1000 | (AB) |
| F06 | 13814 | 15-7 | 1330 | Thu | Russian diplo/intel. 11166 80214 46879 15079 00049 00000 00000 00000 00000 | FSK 200/800 | (AB) |
| F06 | 11643 | 15-7 | 1340 | Thu | Russian diplo/intel. 11166 80214 46879 15079 00049 00000 00000 00000 00000 | FSK 200/800 | (AB) |
| F06 | 9925 | 15-7 | 1350 | Thu | Russian diplo/intel. 11166 80214 46879 15079 00049 00000 00000 00000 00000 | FSK 200/800 | (AB) |
| F06 | 13370 | 16-7 | 0200 | Fri | Russian diplo/intel. 11166 60146 00000 16096 03179 Damaged waveform, little useful decode | FSK 200/1000 | (PY) |
| F06 | 11538 | 16-7 | 0210 | Fri | Russian diplo/intel. Damaged waveform, no useful decode | FSK 200/1000 | (PY) |
| F06 | 10614 | 16-7 | 0220 | Fri | Russian diplo/intel. Damaged waveform, no useful decode | FSK 200/1000 | (PY) |
| F06 | 11563 | 16-7 | 0300 | Fri | Russian diplo/intel. Idle carrier, into F06 mid-message at 0303z, damaged waveform, no useful decode | FSK 200/1000 | (PY) |

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|-----|-------|------|------|-----|---------------------------------------------------------------------------------------|--------------|--------------|
| F06 | 10216 | 16-7 | 0310 | Fri | Russian diplo/intel. 11166 60146 00000 16096 03179 Damaged waveform, no useful decode | FSK 200/1000 | (PY) |
| F06 | 9417 | 16-7 | 0320 | Fri | Russian diplo/intel. 11166 60146 00000 16096 03179 Damaged waveform, no useful decode | FSK 200/1000 | (PY) |
| F06 | 13881 | 16-7 | 0700 | Fri | Russian diplo/intel. 11166 70202 15936 16031 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS) |
| F06 | 11159 | 16-7 | 0710 | Fri | Russian diplo/intel. 11166 70202 15936 16031 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 9188 | 16-7 | 0720 | Fri | Russian diplo/intel. 11166 70202 15936 16031 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 19466 | 18-7 | 1530 | Sun | Russian diplo/intel. 11166 10053 48625 18001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS) |
| F06 | 16189 | 18-7 | 1540 | Sun | Russian diplo/intel. 11166 10053 48625 18001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13576 | 18-7 | 1550 | Sun | Russian diplo/intel. 11166 10053 48625 18001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13370 | 19-7 | 0200 | Mon | Russian diplo/intel. 11166 60146 00000 19097 02609 | FSK 200/1000 | (PY) |
| F06 | 11538 | 19-7 | 0210 | Mon | Russian diplo/intel. 11166 60146 00000 19097 02609 | FSK 200/1000 | (PY) |
| F06 | 10614 | 19-7 | 0220 | Mon | Russian diplo/intel. 11166 60146 00000 19097 02609 | FSK 200/1000 | (PY) |
| F06 | 11563 | 19-7 | 0300 | Mon | Russian diplo/intel. 11166 60146 00000 19097 02609 | FSK 200/1000 | (PY) |
| F06 | 10216 | 19-7 | 0310 | Mon | Russian diplo/intel. 11166 60146 00000 19097 02609 | FSK 200/1000 | (PY) |
| F06 | 9417 | 19-7 | 0320 | Mon | Russian diplo/intel. 11166 60146 00000 19097 02609 | FSK 200/1000 | (PY) |
| F06 | 10538 | 19-7 | 0400 | Mon | Russian diplo/intel. 11166 70059 68521 19001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 8107 | 19-7 | 0410 | Mon | Russian diplo/intel. 11166 70059 68521 19001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 6791 | 19-7 | 0420 | Mon | Russian diplo/intel. 11166 70059 68521 19001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13881 | 19-7 | 0700 | Mon | Russian diplo/intel. 11166 70202 47521 16038 02419 | FSK 200/1000 | (AB) |
| F06 | 11159 | 19-7 | 0710 | Mon | Russian diplo/intel. 11166 70202 47521 16038 02419 | FSK 200/1000 | (AB) |
| F06 | 9188 | 19-7 | 0720 | Mon | Russian diplo/intel. 11166 70202 47521 16038 02419 | FSK 200/1000 | (AB) |
| F06 | 12183 | 19-7 | 1200 | Mon | Russian diplo/intel. 11166 70202 47521 16038 02419 | FSK 200/1000 | (AB) |
| F06 | 10629 | 19-7 | 1210 | Mon | Russian diplo/intel. 11166 70202 47521 16038 02419 | FSK 200/1000 | (AB) |
| F06 | 8138 | 19-7 | 1220 | Mon | Russian diplo/intel. 11166 70202 47521 16038 02419 | FSK 200/1000 | (AB) |
| F06 | 13370 | 20-7 | 0200 | Tue | Russian diplo/intel. Damaged waveform, no useful decode | FSK 200/1000 | (PY) |
| F06 | 11538 | 20-7 | 0210 | Tue | Russian diplo/intel. Transmitter issues, only a few signal bursts in the first minute | FSK 200/1000 | (PY) |
| F06 | 10614 | 20-7 | 0220 | Tue | Russian diplo/intel. 11166 60146 00000 20098 02609 | FSK 200/1000 | (PY) |
| F06 | 11563 | 20-7 | 0300 | Tue | Russian diplo/intel. 11166 60146 00000 20098 02609 | FSK 200/1000 | (PY) |
| F06 | 10216 | 20-7 | 0310 | Tue | Russian diplo/intel. 11166 60146 00000 20098 02609 | FSK 200/1000 | (PY) |
| F06 | 9417 | 20-7 | 0320 | Tue | Russian diplo/intel. 11166 60146 00000 20098 02609 | FSK 200/1000 | (PY) |
| F06 | 13881 | 20-7 | 0700 | Tue | Russian diplo/intel. 11166 70202 51469 19039 01779 and 11166 70202 14598 19040 01879 | FSK 200/1000 | (AB) |
| F06 | 11159 | 20-7 | 0710 | Tue | Russian diplo/intel. 11166 70202 51469 19039 01779 and 11166 70202 14598 19040 01879 | FSK 200/1000 | (AB) |
| F06 | 9188 | 20-7 | 0720 | Tue | Russian diplo/intel. 11166 70202 51469 19039 01779 and 11166 70202 14598 19040 01879 | FSK 200/1000 | (AB) |
| F06 | 12183 | 20-7 | 1200 | Tue | Russian diplo/intel. 11166 70202 51469 19039 01779 and 11166 70202 14598 19040 01879 | FSK 200/1000 | (AB/MPJ) |
| F06 | 10629 | 20-7 | 1210 | Tue | Russian diplo/intel. 11166 70202 51469 19039 01779 and 11166 70202 14598 19040 01879 | FSK 200/1000 | (AB/MPJ) |
| F06 | 8138 | 20-7 | 1220 | Tue | Russian diplo/intel. 11166 70202 51469 19039 01779 and 11166 70202 14598 19040 01879 | FSK 200/1000 | (AB/MPJ) |
| F06 | 19535 | 20-7 | 1650 | Tue | Russian diplo/intel. 11166 10053 45689 20021 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 16348 | 20-7 | 1700 | Tue | Russian diplo/intel. 11166 10053 45689 20021 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 13588 | 20-7 | 1710 | Tue | Russian diplo/intel. 11166 10053 45689 20021 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 13370 | 21-7 | 0200 | Wed | Russian diplo/intel. 11166 60146 00000 21099 02529 | FSK 200/1000 | (PY) |
| F06 | 11538 | 21-7 | 0210 | Wed | Russian diplo/intel. 11166 60146 00000 21099 02529 | FSK 200/1000 | (PY) |
| F06 | 10614 | 21-7 | 0220 | Wed | Russian diplo/intel. 11166 60146 00000 21099 02529 | FSK 200/1000 | (PY) |
| F06 | 11563 | 21-7 | 0300 | Wed | Russian diplo/intel. 11166 60146 00000 21099 02529 | FSK 200/1000 | (PY) |

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|-----|-------|------|------|-----|------------------------------------------------------------------------------------------|--------------|----------|
| F06 | 10216 | 21-7 | 0310 | Wed | Russian diplo/intel. 11166 60146 00000 21099 02529 | FSK 200/1000 | (PY) |
| F06 | 9417 | 21-7 | 0320 | Wed | Russian diplo/intel. 11166 60146 00000 21099 02529 | FSK 200/1000 | (PY) |
| F06 | 17419 | 21-7 | 0600 | Wed | Russian diplo/intel. 11166 40122 25174 21069 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-J) |
| F06 | 15707 | 21-7 | 0610 | Wed | Russian diplo/intel. 11166 40122 25174 21069 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-J) |
| F06 | 13446 | 21-7 | 0620 | Wed | Russian diplo/intel. 11166 40122 25174 21069 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-J) |
| F06 | 13881 | 21-7 | 0700 | Wed | Russian diplo/intel. 11166 70202 64978 20041 02559 | FSK 200/1000 | (AB) |
| F06 | 11159 | 21-7 | 0710 | Wed | Russian diplo/intel. 11166 70202 64978 20041 02559 | FSK 200/1000 | (AB) |
| F06 | 9188 | 21-7 | 0720 | Wed | Russian diplo/intel. 11166 70202 64978 20041 02559 | FSK 200/1000 | (AB) |
| F06 | 12183 | 21-7 | 1200 | Wed | Russian diplo/intel. 11166 70202 64978 20041 02559 | FSK 200/1000 | (AB/MPJ) |
| F06 | 10629 | 21-7 | 1210 | Wed | Russian diplo/intel. 11166 70202 64978 20041 02559 | FSK 200/1000 | (AB/MPJ) |
| F06 | 8138 | 21-7 | 1220 | Wed | Russian diplo/intel. 11166 70202 64978 20041 02559 | FSK 200/1000 | (AB/MPJ) |
| F06 | 13370 | 22-7 | 0200 | Thu | Russian diplo/intel. 11166 60146 00000 22001 02699, abruptly off in mid-message at 0206z | FSK 200/1000 | (PY) |
| F06 | 11538 | 22-7 | 0210 | Thu | Russian diplo/intel. 11166 60146 00000 22001 02699 | FSK 200/1000 | (PY) |
| F06 | 10614 | 22-7 | 0220 | Thu | Russian diplo/intel. 11166 60146 00000 22001 02699 | FSK 200/1000 | (PY) |
| F06 | 11563 | 22-7 | 0300 | Thu | Russian diplo/intel. 11166 60146 00000 22001 02709 Wrong group count | FSK 200/1000 | (PY) |
| F06 | 10216 | 22-7 | 0310 | Thu | Russian diplo/intel. Not decoded | FSK 200/1000 | (PY) |
| F06 | 9417 | 22-7 | 0320 | Thu | Russian diplo/intel. Not decoded | FSK 200/1000 | (PY) |
| F06 | 13881 | 22-7 | 0700 | Thu | Russian diplo/intel. 11166 70202 24685 21042 01819 and 11166 70202 14859 21043 01959 | FSK 200/1000 | (AB) |
| F06 | 11159 | 22-7 | 0710 | Thu | Russian diplo/intel. 11166 70202 24685 21042 01819 and 11166 70202 14859 21043 01959 | FSK 200/1000 | (AB) |
| F06 | 9188 | 22-7 | 0720 | Thu | Russian diplo/intel. 11166 70202 24685 21042 01819 and 11166 70202 14859 21043 01959 | FSK 200/1000 | (AB-RUS) |
| F06 | 12183 | 22-7 | 1200 | Thu | Russian diplo/intel. 11166 70202 24685 21042 01819 and 11166 70202 14859 21043 01959 | FSK 200/1000 | (AB) |
| F06 | 10629 | 22-7 | 1210 | Thu | Russian diplo/intel. 11166 70202 24685 21042 01819 and 11166 70202 14859 21043 01959 | FSK 200/1000 | (AB) |
| F06 | 8138 | 22-7 | 1220 | Thu | Russian diplo/intel. 11166 70202 24685 21042 01819 and 11166 70202 14859 21043 01959 | FSK 200/1000 | (AB) |
| F06 | 13814 | 22-7 | 1330 | Thu | Russian diplo/intel. 11166 80214 46879 22028 00049 00000 00000 00000 00000 | FSK 200/800 | (AB/MPJ) |
| F06 | 11643 | 22-7 | 1340 | Thu | Russian diplo/intel. 11166 80214 46879 22028 00049 00000 00000 00000 00000 | FSK 200/800 | (AB/MPJ) |
| F06 | 9925 | 22-7 | 1350 | Thu | Russian diplo/intel. 11166 80214 46879 22028 00049 00000 00000 00000 00000 | FSK 200/800 | (AB/MPJ) |
| F06 | 13370 | 23-7 | 0200 | Fri | Russian diplo/intel. 11166 60146 00000 23002 02669 | FSK 200/1000 | (PY) |
| F06 | 11538 | 23-7 | 0210 | Fri | Russian diplo/intel. 11166 60146 00000 23002 02669 | FSK 200/1000 | (PY) |
| F06 | 10614 | 23-7 | 0220 | Fri | Russian diplo/intel. 11166 60146 00000 23002 02669 | FSK 200/1000 | (PY) |
| F06 | 11563 | 23-7 | 0300 | Fri | Russian diplo/intel. 11166 60146 00000 23002 02669 | FSK 200/1000 | (PY) |
| F06 | 10216 | 23-7 | 0310 | Fri | Russian diplo/intel. 11166 60146 00000 23002 02669 | FSK 200/1000 | (PY) |
| F06 | 9417 | 23-7 | 0320 | Fri | Russian diplo/intel. 11166 60146 00000 23002 02669 | FSK 200/1000 | (PY) |
| F06 | 13881 | 23-7 | 0700 | Fri | Russian diplo/intel. 11166 70202 36947 23079 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS) |
| F06 | 11159 | 23-7 | 0710 | Fri | Russian diplo/intel. 11166 70202 36947 23079 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 9188 | 23-7 | 0720 | Fri | Russian diplo/intel. 11166 70202 36947 23079 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 19466 | 25-7 | 1530 | Sun | Russian diplo/intel. 11166 10053 15973 25001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS) |
| F06 | 16189 | 25-7 | 1540 | Sun | Russian diplo/intel. 11166 10053 15973 25001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13576 | 25-7 | 1550 | Sun | Russian diplo/intel. 11166 10053 15973 25001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13370 | 26-7 | 0200 | Mon | Russian diplo/intel. 11166 60146 00000 26003 02999 | FSK 200/1000 | (PY) |
| F06 | 11538 | 26-7 | 0210 | Mon | Russian diplo/intel. Transmitter issues, only a few signal bursts | FSK 200/1000 | (PY) |
| F06 | 10614 | 26-7 | 0220 | Mon | Russian diplo/intel. 11166 60146 00000 26003 02999 | FSK 200/1000 | (PY) |
| F06 | 11563 | 26-7 | 0300 | Mon | Russian diplo/intel. 11166 60146 00000 26003 02999 | FSK 200/1000 | (PY) |

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|-----|-------|------|------|-----|--------------------------------------------------------------------------------------|--------------|--------------|
| F06 | 10216 | 26-7 | 0310 | Mon | Russian diplo/intel. 11166 60146 00000 26003 02999 | FSK 200/1000 | (PY) |
| F06 | 9417 | 26-7 | 0320 | Mon | Russian diplo/intel. 11166 60146 00000 26003 02999 | FSK 200/1000 | (PY) |
| F06 | 13881 | 26-7 | 0700 | Mon | Russian diplo/intel. 11166 70202 54873 23044 02379 | FSK 200/1000 | (AB) |
| F06 | 11159 | 26-7 | 0710 | Mon | Russian diplo/intel. 11166 70202 54873 23044 02379 | FSK 200/1000 | (AB) |
| F06 | 9188 | 26-7 | 0720 | Mon | Russian diplo/intel. 11166 70202 54873 23044 02379 | FSK 200/1000 | (AB) |
| F06 | 12183 | 26-7 | 1200 | Mon | Russian diplo/intel. 11166 70202 54873 23044 02379 | FSK 200/1000 | (AB) |
| F06 | 10629 | 26-7 | 1210 | Mon | Russian diplo/intel. 11166 70202 54873 23044 02379 | FSK 200/1000 | (AB) |
| F06 | 8138 | 26-7 | 1220 | Mon | Russian diplo/intel. 11166 70202 54873 23044 02379 | FSK 200/1000 | (AB) |
| F06 | 11619 | 27-7 | 0030 | Tue | Russian diplo/intel. 11166 60070 79156 27001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 10524 | 27-7 | 0040 | Tue | Russian diplo/intel. 11166 60070 79156 27001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 9389 | 27-7 | 0050 | Tue | Russian diplo/intel. 11166 60070 79156 27001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 13370 | 27-7 | 0200 | Tue | Russian diplo/intel. 11166 60146 00000 27004 03109 | FSK 200/1000 | (PY) |
| F06 | 11538 | 27-7 | 0210 | Tue | Russian diplo/intel. 11166 60146 00000 27004 03109 | FSK 200/1000 | (PY) |
| F06 | 10614 | 27-7 | 0220 | Tue | Russian diplo/intel. 11166 60146 00000 27004 03109 | FSK 200/1000 | (PY) |
| F06 | 11563 | 27-7 | 0300 | Tue | Russian diplo/intel. 11166 60146 00000 27004 03109 | FSK 200/1000 | (PY) |
| F06 | 10216 | 27-7 | 0310 | Tue | Russian diplo/intel. 11166 60146 00000 27004 03109 | FSK 200/1000 | (PY) |
| F06 | 9417 | 27-7 | 0320 | Tue | Russian diplo/intel. 11166 60146 00000 27004 03109 | FSK 200/1000 | (PY) |
| F06 | 13881 | 27-7 | 0700 | Tue | Russian diplo/intel. 11166 70202 16458 26045 01659 and 11166 70202 93264 26046 01959 | FSK 200/1000 | (AB) |
| F06 | 11159 | 27-7 | 0710 | Tue | Russian diplo/intel. 11166 70202 16458 26045 01659 and 11166 70202 93264 26046 01959 | FSK 200/1000 | (AB) |
| F06 | 9188 | 27-7 | 0720 | Tue | Russian diplo/intel. 11166 70202 16458 26045 01659 and 11166 70202 93264 26046 01959 | FSK 200/1000 | (AB) |
| F06 | 12183 | 27-7 | 1200 | Tue | Russian diplo/intel. 11166 70202 16458 26045 01659 and 11166 70202 93264 26046 01959 | FSK 200/1000 | (AB) |
| F06 | 10629 | 27-7 | 1210 | Tue | Russian diplo/intel. 11166 70202 16458 26045 01659 and 11166 70202 93264 26046 01959 | FSK 200/1000 | (AB) |
| F06 | 8138 | 27-7 | 1220 | Tue | Russian diplo/intel. 11166 70202 16458 26045 01659 and 11166 70202 93264 26046 01959 | FSK 200/1000 | (AB) |
| F06 | 19535 | 27-7 | 1650 | Tue | Russian diplo/intel. 11166 10053 78523 27001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB-RUS/MPJ) |
| F06 | 16348 | 27-7 | 1700 | Tue | Russian diplo/intel. 11166 10053 78523 27001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 13588 | 27-7 | 1710 | Tue | Russian diplo/intel. 11166 10053 78523 27001 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB/MPJ) |
| F06 | 13370 | 28-7 | 0200 | Wed | Russian diplo/intel. 11166 60146 00000 28005 02929 | FSK 200/1000 | (PY) |
| F06 | 11538 | 28-7 | 0210 | Wed | Russian diplo/intel. 11166 60146 00000 28005 02929 | FSK 200/1000 | (PY) |
| F06 | 10614 | 28-7 | 0220 | Wed | Russian diplo/intel. 11166 60146 00000 28005 02929 | FSK 200/1000 | (PY) |
| F06 | 11563 | 28-7 | 0300 | Wed | Russian diplo/intel. 11166 60146 00000 28005 02929 | FSK 200/1000 | (PY) |
| F06 | 10216 | 28-7 | 0310 | Wed | Russian diplo/intel. 11166 60146 00000 28005 02929 | FSK 200/1000 | (PY) |
| F06 | 9417 | 28-7 | 0320 | Wed | Russian diplo/intel. 11166 60146 00000 28005 02929 | FSK 200/1000 | (PY) |
| F06 | 17419 | 28-7 | 0600 | Wed | Russian diplo/intel. 11166 40122 61574 24057 03069 | FSK 200/1000 | (AB-J) |
| F06 | 15707 | 28-7 | 0610 | Wed | Russian diplo/intel. 11166 40122 61574 24057 03069 | FSK 200/1000 | (AB-J) |
| F06 | 13446 | 28-7 | 0620 | Wed | Russian diplo/intel. 11166 40122 61574 24057 03069 | FSK 200/1000 | (AB-J) |
| F06 | 13881 | 28-7 | 0700 | Wed | Russian diplo/intel. 11166 70202 15674 27047 02499 | FSK 200/1000 | (AB) |
| F06 | 11159 | 28-7 | 0710 | Wed | Russian diplo/intel. 11166 70202 15674 27047 02499 | FSK 200/1000 | (AB) |
| F06 | 9188 | 28-7 | 0720 | Wed | Russian diplo/intel. 11166 70202 15674 27047 02499 | FSK 200/1000 | (AB) |
| F06 | 15634 | 28-7 | 0800 | Wed | Russian diplo/intel. 11166 00052 45879 28089 01869 | FSK 200/1000 | (AB) |
| F06 | 13596 | 28-7 | 0810 | Wed | Russian diplo/intel. 11166 00052 45879 28089 01869 | FSK 200/1000 | (AB) |
| F06 | 11466 | 28-7 | 0820 | Wed | Russian diplo/intel. 11166 00052 45879 28089 01869 | FSK 200/1000 | (AB) |
| F06 | 12183 | 28-7 | 1200 | Wed | Russian diplo/intel. 11166 70202 15674 27047 02499 | FSK 200/1000 | (AB) |

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|------|-------|------|------|-----|-----------------------------------------------------------------------------------------|--------------|----------|
| F06 | 10629 | 28-7 | 1210 | Wed | Russian diplo/intel. 11166 70202 15674 27047 02499 | FSK 200/1000 | (AB) |
| F06 | 8138 | 28-7 | 1220 | Wed | Russian diplo/intel. 11166 70202 15674 27047 02499 | FSK 200/1000 | (AB) |
| F06 | 13370 | 29-7 | 0200 | Thu | Russian diplo/intel. 11166 60146 00000 29006 02929 | FSK 200/1000 | (PY) |
| F06 | 11538 | 29-7 | 0210 | Thu | Russian diplo/intel. 11166 60146 00000 29006 02929 | FSK 200/1000 | (PY) |
| F06 | 10614 | 29-7 | 0220 | Thu | Russian diplo/intel. 11166 60146 00000 29006 02929 | FSK 200/1000 | (PY) |
| F06 | 11563 | 29-7 | 0300 | Thu | Russian diplo/intel. 11166 60146 00000 29006 02929 | FSK 200/1000 | (PY) |
| F06 | 10216 | 29-7 | 0310 | Thu | Russian diplo/intel. 11166 60146 00000 29006 02929 Abruptly off in mid-message at 0317z | FSK 200/1000 | (PY) |
| F06 | 9417 | 29-7 | 0320 | Thu | Russian diplo/intel. 11166 60146 00000 29006 02929 | FSK 200/1000 | (PY) |
| F06 | 17419 | 29-7 | 0600 | Thu | Russian diplo/intel. 11166 40122 61574 24057 03069 | FSK 200/1000 | (AB-J) |
| F06 | 15707 | 29-7 | 0610 | Thu | Russian diplo/intel. 11166 40122 61574 24057 03069 | FSK 200/1000 | (AB-J) |
| F06 | 13446 | 29-7 | 0620 | Thu | Russian diplo/intel. 11166 40122 61574 24057 03069 | FSK 200/1000 | (AB-J) |
| F06 | 13881 | 29-7 | 0700 | Thu | Russian diplo/intel. 11166 70202 84593 28048 01679 and 11166 70202 25348 28049 01979 | FSK 200/1000 | (AB) |
| F06 | 11159 | 29-7 | 0710 | Thu | Russian diplo/intel. 11166 70202 84593 28048 01679 and 11166 70202 25348 28049 01979 | FSK 200/1000 | (AB) |
| F06 | 9188 | 29-7 | 0720 | Thu | Russian diplo/intel. 11166 70202 84593 28048 01679 and 11166 70202 25348 28049 01979 | FSK 200/1000 | (AB-RUS) |
| F06 | 15634 | 29-7 | 0800 | Thu | Russian diplo/intel. 11166 00052 45879 28089 01869 | FSK 200/1000 | (AB) |
| F06 | 13596 | 29-7 | 0810 | Thu | Russian diplo/intel. 11166 00052 45879 28089 01869 | FSK 200/1000 | (AB) |
| F06 | 11466 | 29-7 | 0820 | Thu | Russian diplo/intel. 11166 00052 45879 28089 01869 | FSK 200/1000 | (AB) |
| F06 | 12183 | 29-7 | 1200 | Thu | Russian diplo/intel. 11166 70202 84593 28048 01679 and 11166 70202 25348 28049 01979 | FSK 200/1000 | (AB) |
| F06 | 10629 | 29-7 | 1210 | Thu | Russian diplo/intel. 11166 70202 84593 28048 01679 and 11166 70202 25348 28049 01979 | FSK 200/1000 | (AB) |
| F06 | 8138 | 29-7 | 1220 | Thu | Russian diplo/intel. 11166 70202 84593 28048 01679 and 11166 70202 25348 28049 01979 | FSK 200/1000 | (AB) |
| F06 | 13814 | 29-7 | 1330 | Thu | Russian diplo/intel. 11166 80214 25497 29039 00049 00000 00000 00000 00000 | FSK 200/800 | (AB/MPJ) |
| F06 | 11643 | 29-7 | 1340 | Thu | Russian diplo/intel. 11166 80214 25497 29039 00049 00000 00000 00000 00000 | FSK 200/800 | (AB/MPJ) |
| F06 | 9925 | 29-7 | 1350 | Thu | Russian diplo/intel. 11166 80214 25497 29039 00049 00000 00000 00000 00000 | FSK 200/800 | (AB/MPJ) |
| F06 | 13370 | 30-7 | 0200 | Fri | Russian diplo/intel. 11166 60146 00000 30007 03479 | FSK 200/1000 | (PY) |
| F06 | 11538 | 30-7 | 0210 | Fri | Russian diplo/intel. 11166 60146 00000 30007 03479 | FSK 200/1000 | (PY) |
| F06 | 10614 | 30-7 | 0220 | Fri | Russian diplo/intel. 11166 60146 00000 30007 03479 | FSK 200/1000 | (PY) |
| F06 | 11563 | 30-7 | 0300 | Fri | Russian diplo/intel. 11166 60146 00000 30007 03479 | FSK 200/1000 | (PY) |
| F06 | 10216 | 30-7 | 0310 | Fri | Russian diplo/intel. 11166 60146 00000 30007 03479 | FSK 200/1000 | (PY) |
| F06 | 9417 | 30-7 | 0320 | Fri | Russian diplo/intel. 11166 60146 00000 30007 03479 | FSK 200/1000 | (PY) |
| F06 | 13881 | 30-7 | 0700 | Fri | Russian diplo/intel. 11166 70202 13468 30085 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 11159 | 30-7 | 0710 | Fri | Russian diplo/intel. 11166 70202 13468 30085 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06 | 9188 | 30-7 | 0720 | Fri | Russian diplo/intel. 11166 70202 13468 30085 00049 00000 00000 00000 00000 | FSK 200/1000 | (AB) |
| F06a | 7377 | 1-7 | 0400 | Thu | Russian diplo/intel. File 04481 (1216 bytes) | FSK 200/1000 | (AB) |
| F06a | 6837 | 1-7 | 0415 | Thu | Russian diplo/intel. File 04481 (1216 bytes) | FSK 200/1000 | (AB) |
| F06a | 5329 | 1-7 | 0430 | Thu | Russian diplo/intel. File 04481 (1216 bytes) | FSK 200/1000 | (AB) |
| F06a | 7377 | 2-7 | 0400 | Fri | Russian diplo/intel. File 04481 (1216 bytes) | FSK 200/1000 | (AB) |
| F06a | 6837 | 2-7 | 0415 | Fri | Russian diplo/intel. File 04481 (1216 bytes) | FSK 200/1000 | (AB) |
| F06a | 5329 | 2-7 | 0430 | Fri | Russian diplo/intel. File 04481 (1216 bytes) | FSK 200/1000 | (AB) |
| F06a | 18516 | 3-7 | 2100 | Sat | Russian diplo/intel. File 04475.TLG (816 bytes) | FSK 200/1000 | (AB-RUS) |
| F06a | 14878 | 3-7 | 2115 | Sat | Russian diplo/intel. File 04475.TLG (816 bytes) | FSK 200/1000 | (AB-RUS) |
| F06a | 12119 | 3-7 | 2130 | Sat | Russian diplo/intel. File 04475.TLG (816 bytes) | FSK 200/1000 | (AB-RUS) |
| F06a | 18516 | 4-7 | 2100 | Sun | Russian diplo/intel. File 04475.TLG (816 bytes) | FSK 200/1000 | (AB-RUS) |

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|------|-------|------|------|-----|-------------------------------------------------|--------------|-------------|
| F06a | 14878 | 4-7 | 2115 | Sun | Russian diplo/intel. File 04475.TLG (816 bytes) | FSK 200/1000 | (AB-RUS) |
| F06a | 12119 | 4-7 | 2130 | Sun | Russian diplo/intel. File 04475.TLG (816 bytes) | FSK 200/1000 | (AB-RUS) |
| F06a | 7377 | 8-7 | 0400 | Thu | Russian diplo/intel. File 04482 (1216 bytes) | FSK 200/1000 | (AB) |
| F06a | 6837 | 8-7 | 0415 | Thu | Russian diplo/intel. File 04482 (1216 bytes) | FSK 200/1000 | (AB) |
| F06a | 5329 | 8-7 | 0430 | Thu | Russian diplo/intel. File 04482 (1216 bytes) | FSK 200/1000 | (AB) |
| F06a | 7377 | 9-7 | 0400 | Fri | Russian diplo/intel. File 04482 (1216 bytes) | FSK 200/1000 | (AB) |
| F06a | 6837 | 9-7 | 0415 | Fri | Russian diplo/intel. File 04482 (1216 bytes) | FSK 200/1000 | (AB) |
| F06a | 5329 | 9-7 | 0430 | Fri | Russian diplo/intel. File 04482 (1216 bytes) | FSK 200/1000 | (AB) |
| F06a | 18516 | 10-7 | 2100 | Sat | Russian diplo/intel. File 04476 (992 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 14878 | 10-7 | 2115 | Sat | Russian diplo/intel. File 04476 (992 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 12119 | 10-7 | 2130 | Sat | Russian diplo/intel. File 04476 (992 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 18516 | 11-7 | 2100 | Sun | Russian diplo/intel. File 04476 (992 bytes) | FSK 200/1000 | (AB-RUS) |
| F06a | 14878 | 11-7 | 2115 | Sun | Russian diplo/intel. File 04476 (992 bytes) | FSK 200/1000 | (AB-RUS) |
| F06a | 12119 | 11-7 | 2130 | Sun | Russian diplo/intel. File 04476 (992 bytes) | FSK 200/1000 | (AB-RUS) |
| F06a | 7377 | 15-7 | 0400 | Thu | Russian diplo/intel. File 04483 (992 bytes) | FSK 200/1000 | (AB) |
| F06a | 6837 | 15-7 | 0415 | Thu | Russian diplo/intel. File 04483 (992 bytes) | FSK 200/1000 | (AB) |
| F06a | 5329 | 15-7 | 0430 | Thu | Russian diplo/intel. File 04483 (992 bytes) | FSK 200/1000 | (AB) |
| F06a | 7377 | 16-7 | 0400 | Fri | Russian diplo/intel. File 04483 (992 bytes) | FSK 200/1000 | (AB) |
| F06a | 6837 | 16-7 | 0415 | Fri | Russian diplo/intel. File 04483 (992 bytes) | FSK 200/1000 | (AB) |
| F06a | 5329 | 16-7 | 0430 | Fri | Russian diplo/intel. File 04483 (992 bytes) | FSK 200/1000 | (AB) |
| F06a | 18516 | 17-7 | 2100 | Sat | Russian diplo/intel. File 04477 (1024 bytes) | FSK 200/1000 | (AB-RUS) |
| F06a | 14878 | 17-7 | 2115 | Sat | Russian diplo/intel. File 04477 (1024 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 12119 | 17-7 | 2130 | Sat | Russian diplo/intel. File 04477 (1024 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 18516 | 18-7 | 2100 | Sun | Russian diplo/intel. File 04477 (1024 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 14878 | 18-7 | 2115 | Sun | Russian diplo/intel. File 04477 (1024 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 12119 | 18-7 | 2130 | Sun | Russian diplo/intel. File 04477 (1024 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 7377 | 22-7 | 0400 | Thu | Russian diplo/intel. File 04484 (1024 bytes) | FSK 200/1000 | (AB) |
| F06a | 6837 | 22-7 | 0415 | Thu | Russian diplo/intel. File 04484 (1024 bytes) | FSK 200/1000 | (AB) |
| F06a | 5329 | 22-7 | 0430 | Thu | Russian diplo/intel. File 04484 (1024 bytes) | FSK 200/1000 | (AB) |
| F06a | 7377 | 23-7 | 0400 | Fri | Russian diplo/intel. File 04484 (1024 bytes) | FSK 200/1000 | (AB) |
| F06a | 6837 | 23-7 | 0415 | Fri | Russian diplo/intel. File 04484 (1024 bytes) | FSK 200/1000 | (AB) |
| F06a | 5329 | 23-7 | 0430 | Fri | Russian diplo/intel. File 04484 (1024 bytes) | FSK 200/1000 | (AB) |
| F06a | 18516 | 24-7 | 2100 | Sat | Russian diplo/intel. File 04478 (912 bytes) | FSK 200/1000 | (AB-RUS) |
| F06a | 14878 | 24-7 | 2115 | Sat | Russian diplo/intel. File 04478 (912 bytes) | FSK 200/1000 | (AB-RUS) |
| F06a | 12119 | 24-7 | 2130 | Sat | Russian diplo/intel. File 04478 (912 bytes) | FSK 200/1000 | (AB-RUS) |
| F06a | 18516 | 25-7 | 2100 | Sun | Russian diplo/intel. File 04478 (912 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 14878 | 25-7 | 2115 | Sun | Russian diplo/intel. File 04478 (912 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 12119 | 25-7 | 2130 | Sun | Russian diplo/intel. File 04478 (912 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 7377 | 29-7 | 0400 | Thu | Russian diplo/intel. File 04485 (1151 bytes) | FSK 200/1000 | (AB) |
| F06a | 6837 | 29-7 | 0415 | Thu | Russian diplo/intel. File 04485 (1151 bytes) | FSK 200/1000 | (AB) |
| F06a | 5329 | 29-7 | 0430 | Thu | Russian diplo/intel. File 04485 (1151 bytes) | FSK 200/1000 | (AB) |
| F06a | 7377 | 30-7 | 0400 | Fri | Russian diplo/intel. File 04485 (1151 bytes) | FSK 200/1000 | (AB) |

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|-------------|-------|------|------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| F06a | 6837 | 30-7 | 0415 | Fri | Russian diplo/intel. File 04485 (1151 bytes) | FSK 200/1000 | (AB) |
| F06a | 5329 | 30-7 | 0430 | Fri | Russian diplo/intel. File 04485 (1151 bytes) | FSK 200/1000 | (AB) |
| F06a | 18516 | 31-7 | 2100 | Sat | Russian diplo/intel. File 04479 (704 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 14878 | 31-7 | 2115 | Sat | Russian diplo/intel. File 04479 (704 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| F06a | 12119 | 31-7 | 2130 | Sat | Russian diplo/intel. File 04479 (704 bytes) | FSK 200/1000 | (AB-RUS/RL) |
| HM01 | 11435 | 1-7 | 1638 | Thu | i.p. very noisy transmitter | AM/RDFT | (AB-USA) |
| HM01 | 11530 | 1-7 | 1658 | Thu | 33188 87547 13182 35224 56144 28007 Files 10323318.TXT 77258754.TXT 47133522.TXT | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 2-7 | 1600 | Fri | Late start 33189 87548 13183 35225 56145 28008 Files 10323318.TXT 77258754.TXT 36221318.F1G 47133522.TXT 45535614.TXT 58082800.TXT | AM/RDFT | (AB-USA/RR2) |
| HM01 | 11530 | 2-7 | 1708 | Fri | i.p. 33189 87548 13183 35225 56145 28008 | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 3-7 | 1610 | Sat | 44721 87549 13184 35226 56146 28009 Files 30144472.TXT 77258754.TXT 36221318.F1G 47133522.TXT 45535614.TXT 58082800.TXT | AM/RDFT | (AB-USA/RR2) |
| HM01 | 11435 | 4-7 | 1600 | Sun | 44721 57721 13185 35227 56147 64131 Files 30144472.TXT 44775772.TXT 36221318.F1G 47133522.TXT 45535614.TXT 76546413.TXT | AM/RDFT | (AB-USA/RR2) |
| HM01 | 11435 | 5-7 | 1557 | Mon | 44722 57721 13186 35228 15411 64131 Files 30144472.TXT 44775772.TXT 36221318.F1G 47133522.TXT 06311541.TXT 76546413.TXT | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 5-7 | 1625 | Mon | 44722 57721 13186 35228 15411 64131 | AM/RDFT | (RR2) |
| HM01 | 11435 | 6-7 | 1606 | Tue | i.p. 44723 57722 13187 11851 15411 64132 | AM/RDFT | (RR2) |
| HM01 | 11530 | 6-7 | 1727 | Tue | 44723 57722 13187 11851 15411 64132 Files 30144472.TXT 44775772.TXT 36221318.F1G 43701185.TXT 06311541.TXT 76546413.TXT | AM/RDFT | (AB-USA) |
| HM01 | 17480 | 6-7 | 2147 | Tue | 44723 57722 13187 11851 15411 64132 | AM/RDFT | (RL) |
| HM01 | 11435 | 7-7 | 1600 | Wed | 44724 57723 17531 11851 15412 64133 Files 30144472.TXT 44775772.TXT 78741753.TXT 43701185.TXT 06311541.TXT 76546413.TXT | AM/RDFT | (AB-USA/RR2) |
| HM01 | 11435 | 8-7 | 1557 | Thu | 44725 57724 17531 11852 15413 64134 Files 30144472.TXT 44775772.TXT 78741753.TXT 43701185.TXT 06311541.TXT 76546413.TXT | AM/RDFT | (AB-USA/RR2) |
| HM01 | 11435 | 9-7 | 1556 | Fri | 44726 57725 17532 11853 15414 64135 Files 30144472.TXT 44775772.TXT 78741753.TXT 43701185.TXT 06311541.TXT 76546413.TXT | AM/RDFT | (AB-USA/RR2) |
| HM01 | 11435 | 10-7 | 1601 | Sat | Started in mid message. 44727 57726 17533 11854 15415 64136 Files 30144472.TXT 44775772.TXT 78741753.TXT 43701185.TXT 06311541.TXT 76546413.TXT | AM/RDFT | (AB-USA/RR2) |
| HM01 | 17480 | 10-7 | 2159 | Sat | 44727 57726 17533 11854 15415 64136 | AM/RDFT | (RL) |
| HM01 | 11435 | 11-7 | 1556 | Sun | 44728 57727 17534 11855 15416 64137 Files 30144472.TXT 44775772.TXT 78741753.TXT 43701185.TXT 06311541.TXT 76546413.TXT | AM/RDFT | (AB-USA/RR2) |
| HM01 | 11435 | 12-7 | 1558 | Mon | No transmission | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 12-7 | 1628 | Mon | No transmission | AM/RDFT | (AB-USA) |
| HM01 | 11530 | 12-7 | 1658 | Mon | No transmission | AM/RDFT | (AB-USA) |
| HM01 | 11530 | 12-7 | 1728 | Mon | No transmission | AM/RDFT | (AB-USA) |
| HM01 | 11635 | 12-7 | 1800 | Mon | 64131 57728 17535 11856 15417 27271 Files 78756413.TXT 44775772.TXT 78741753.TXT 43701185.TXT 06311541.TXT 50542727.F1C | AM/RDFT | (RR2) |
| HM01 | 11635 | 12-7 | 2101 | Mon | 64131 57728 17535 11856 15417 27271 Started in mid message. Off in mid message at 2107 UTC. Back at 2116 UTC | AM/RDFT | (AB-USA) |
| HM01 | 11635 | 12-7 | 2130 | Mon | 64131 57728 17535 11856 15417 27271 Back with dropouts | AM/RDFT | (HS) |
| HM01 | 11435 | 13-7 | 1600 | Tue | 64131 88481 17536 11857 15418 27271 | AM/RDFT | (RR2) |

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|------|-------|------|------|-----|------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|
| HM01 | 11530 | 13-7 | 1708 | Tue | i.p. 64131 88481 17536 11857 15418 27271 | AM/RDFT | (AB-USA) |
| HM01 | 11530 | 13-7 | 1724 | Tue | 64131 88481 17536 11857 15418 27271 Files 78756413.TXT 08828848.TXT 78741753.TXT 43701185.TXT 06311541.TXT 50542727.F1C | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 14-7 | 1558 | Wed | 64132 88481 17537 11858 05221 27272 Files 78756413.TXT 08828848.TXT 78741753.TXT 43701185.TXT 82480522.TXT 50542727.F1C | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 14-7 | 1626 | Wed | 64132 88481 17537 11858 05221 27272 | AM/RDFT | (AB-USA/RR2) |
| HM01 | 11435 | 15-7 | 1558 | Thu | 64133 88482 17538 64311 05221 27273 Files 78756413.TXT 08828848.TXT 78741753.TXT 12406431.TXT 82480522.TXT 50542727.F1C | AM/RDFT | (AB-USA) |
| HM01 | 11530 | 15-7 | 1657 | Thu | 64133 88482 17538 64311 05221 27273 | AM/RDFT | (RR2) |
| HM01 | 16180 | 15-7 | 2101 | Thu | 64133 88482 17538 64311 05221 27273 | AM/RDFT | (RL) |
| HM01 | 16180 | 15-7 | 2159 | Thu | 64133 88482 17538 64311 05221 27273 Should be on 17480 kHz. Changed at 2208 UTC | AM/RDFT | (RL) |
| HM01 | 17480 | 15-7 | 2208 | Thu | 64133 88482 17538 64311 05221 27273 Late start | AM/RDFT | (RL) |
| HM01 | 11435 | 16-7 | 1558 | Fri | 64134 88483 23561 64311 05222 27274 Files 12406431.TXT 08828848.TXT 62342356.TXT 78756413.TXT 82480522.TXT 50542727.F1C | AM/RDFT | (AB-USA) |
| HM01 | 11530 | 16-7 | 1657 | Fri | 64134 88483 23561 64311 05222 27274 | AM/RDFT | (RR2) |
| HM01 | 11435 | 17-7 | 1557 | Sat | 64135 88484 23561 64312 05223 27275 | AM/RDFT | (RR2) |
| HM01 | 11435 | 17-7 | 1631 | Sat | i.p. 64135 88484 23561 64312 05223 27275 Files 78756413.TXT 08828848.TXT 62342356.TXT 12406431.TXT 82480522.TXT 50542727.F1C | AM/RDFT | (AB-USA) |
| HM01 | 11530 | 17-7 | 1656 | Sat | 64135 88484 23561 64312 05223 27275 | AM/RDFT | (AB-USA) |
| HM01 | 11530 | 17-7 | 1726 | Sat | 64135 88484 23561 64312 05223 27275 | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 18-7 | 1557 | Sun | 64136 88485 23562 64313 05224 27276 Files 78756413.TXT 08828848.TXT 62342356.TXT 12406431.TXT 82480522.TXT 50542727.F1C | AM/RDFT | (AB-USA/RR2) |
| HM01 | 11435 | 19-7 | 1600 | Mon | i.p. 64137 88486 23563 64314 05225 27277 Files 78756413.TXT 08828848.TXT 62342356.TXT 12406431.TXT 82480522.TXT 50542727.F1C | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 19-7 | 1626 | Mon | 64137 88486 23563 64314 05225 27277 | AM/RDFT | (RR2) |
| HM01 | 11435 | 20-7 | 1557 | Tue | 64138 88487 23564 64315 05226 83781 Files 00888378.TXT 08828848.TXT 62342356.TXT 12406431.TXT 82480522.TXT 00888378.TXT | AM/RDFT | (AB-USA) |
| HM01 | 11530 | 20-7 | 1700 | Tue | 64138 88487 23564 64315 05226 83781 | AM/RDFT | (RR2) |
| HM01 | 16180 | 20-7 | 2059 | Tue | 64138 88487 23564 64315 05226 83781 | AM/RDFT | (RL) |
| HM01 | 11435 | 21-7 | 1608 | Wed | Late start 64139 82021 23565 64316 05227 83781 Files 78756413.TXT 03088202.TXT 62342356.TXT 12406431.TXT 82480522.TXT 00888378.TXT | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 21-7 | 1626 | Wed | 64139 82021 23565 64316 05227 83781 | AM/RDFT | (AB-USA) |
| HM01 | 11635 | 21-7 | 1800 | Wed | 64139 82021 23565 64316 05227 83781 | AM/RDFT | (RR2) |
| HM01 | 11435 | 22-7 | 1606 | Thu | i.p. 14421 82021 23566 64317 05228 83782 Files 36511442.F1G 03088202.TXT 62342356.TXT 12406431.TXT 82480522.TXT 00888378.TXT | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 22-7 | 1626 | Thu | 14421 82021 23566 64317 05228 83782 | AM/RDFT | (RR2) |
| HM01 | 16180 | 22-7 | 2056 | Thu | 14421 82021 23566 64317 05228 83782 | AM/RDFT | (Dan) |
| HM01 | 11435 | 23-7 | 1557 | Fri | i.p. 14421 82022 23567 43551 05229 83783 | AM/RDFT | (AB-USA/RR2) |
| HM01 | 11435 | 24-7 | 1558 | Sat | 14422 82023 12811 43551 63801 83784 | AM/RDFT | (RR2) |
| HM01 | 11530 | 24-7 | 1704 | Sat | i.p. 14422 82023 12811 43551 63801 83784 | AM/RDFT | (AB-USA) |
| HM01 | 16180 | 24-7 | 2103 | Sat | i.p. 14422 82023 12811 43551 63801 83784 | AM/RDFT | (RL) |
| HM01 | 17480 | 24-7 | 2146 | Sat | very early start 14422 82023 12811 43551 63801 83784 | AM/RDFT | (RL) |

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|------|-------|------|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------|
| HM01 | 11435 | 25-7 | 1600 | Sun | 14423 82024 12811 43552 63801 83785 | AM/RDFT | (RR2) |
| HM01 | 11435 | 25-7 | 1644 | Sun | i.p. 14423 82024 12811 43552 63801 83785 | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 26-7 | 1556 | Mon | 14424 82025 12812 43553 63802 83786 | AM/RDFT | (RR2) |
| HM01 | 11530 | 26-7 | 1657 | Mon | 14424 82025 12812 43553 63802 83786 | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 27-7 | 1558 | Tue | 14425 82026 12813 43554 63803 83787 | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 27-7 | 1627 | Tue | 14425 82026 12813 43554 63803 83787 | AM/RDFT | (RR2) |
| HM01 | 11435 | 28-7 | 1558 | Wed | 14426 82027 12814 43555 63804 83788 | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 28-7 | 1637 | Wed | i.p. 14426 82027 12814 43555 63804 83788 | AM/RDFT | (RR2) |
| HM01 | 11635 | 28-7 | 2100 | Wed | 14426 82067 12814 43555 63894 83788 | AM/RDFT | (HS) |
| HM01 | 11435 | 29-7 | 1556 | Thu | 14427 82028 12815 43556 63805 81641 | AM/RDFT | (AB-USA) |
| HM01 | 11435 | 29-7 | 1633 | Thu | i.p. 14427 82028 12815 43556 63805 81641 | AM/RDFT | (RR2) |
| HM01 | 11435 | 30-7 | 1609 | Fri | Late start. Started in mid message. 14427 82028 12815 43556 63805 81641 (repeat of 29 July) | AM/RDFT | (AB-USA) |
| HM01 | 11530 | 30-7 | 1700 | Fri | 14427 82028 12815 43556 63805 81641 (repeat of 29 July) | AM/RDFT | (RR2) |
| HM01 | 11435 | 31-7 | 1600 | Sat | 14427 82028 12815 43556 63805 81641 (repeat of 29 July) | AM/RDFT | (RR2) |
| HM01 | 11435 | 31-7 | 1626 | Sat | 14427 82028 12815 43556 63805 81641 (repeat of 29 July) | AM/RDFT | (AB-USA) |
| HM01 | 16180 | 31-7 | 2056 | Sat | 14427 82028 12815 43556 63805 81641 (repeat of 29 July) | AM/RDFT | (RL) |
| HM01 | 17480 | 31-7 | 2159 | Sat | i.p. 14427 82028 12815 43556 63805 81641 (repeat of 29 July) | AM/RDFT | (RL) |
| M01 | 5280 | 1-7 | 1800 | Thu | 025 386 386 30 30 = = 79372 29593 02073 ... 25290 11739 06719 = = 148 148 30 30 000. 2 corrected errors. Preamble and postamble do not agree (386 & 148) | CW | (MPJ-AUT) |
| M01 | 4905 | 1-7 | 2000 | Thu | 025 904 904 30 30 = = 22877 66279 22418 ... 98756 88635 95929 = = 904 904 30 30 000 | CW | (AB-FIN) |
| M01 | 6435 | 3-7 | 1500 | Sat | 025 185 185 30 30 = = 49540 71645 77125 ... 86913 37021 34483 = = 185 185 30 30 000 | CW | (AB/MPJ) |
| M01 | 6780 | 4-7 | 0700 | Sun | Long pauses. Groups ran together. Incomplete groups. Different repeats. ID mismatch 025 331 331 30 30 = = 9115091150 ... 285285 3030 000 | CW | (AB) |
| M01 | 5280 | 6-7 | 1800 | Tue | 025 345 345 30 30 = = 03020 12103 46369 ... 21801 60763 45551 = = 345 345 30 30 000 | CW | (AB) |
| M01 | 4905 | 6-7 | 2000 | Tue | 025 143 143 30 30 = = 43076 18880 4015. 40 ... 35680 47031 05994 = = 143 143 30 30 000 | CW | (AB) |
| M01 | 5280 | 8-7 | 1800 | Thu | 025 486 486 30 30 = = 09547 17483 18594 ... 83659 15536 91648 = = 486 468 30 30 000 | CW | (AB/MPJ) |
| M01 | 4905 | 8-7 | 2000 | Thu | 025 91748 61840 81957 ... 93001 83920 97328 = = 817 817 30 30 000 | CW | (AB-FIN) |
| M01 | 6435 | 10-7 | 1500 | Sat | 025 461 461 30 30 = = 39210 62917 48216 ... 28641 15426 05680 = = 461 461 30 30 000 | CW | (AB/MPJ) |
| M01 | 6780 | 11-7 | 0700 | Sun | 025 840 840 30 30 = = 83195 39192 01841 ... 78924 29421 10432 = = 840 840 30 30 000 | CW | (AB) |
| M01 | 5280 | 13-7 | 1800 | Tue | 025 714 714 30 30 = = 68521 47893 42311 ... too weak to copy | CW | (AB/MPJ) |
| M01 | 4905 | 13-7 | 2000 | Tue | 025 380 380 30 30 = = 98712 ... too weak to copy | CW | (AB) |
| M01 | 4905 | 15-7 | 2000 | Thu | 025 289 289 30 30 = = 84673 28675 75645 ... 75648 34565 34569 = = 289 289 30 30 000 | CW | (AB) |
| M01 | 6435 | 17-7 | 1500 | Sat | Handkeyed; hiccups; errors in the callup; no spaces between groups. 025 331 331 30 30 = = 46372 95763 46372 ... 77564 37373 47382 = = 331 331 30 30 000 | CW | (AB) |
| M01 | 6780 | 18-7 | 0700 | Sun | 025 806 806 30 30 57483 56472 26374 ... 45362 34251 46573 806 806 30 30 000 | CW | (AB) |
| M01 | 5280 | 20-7 | 1800 | Tue | 025 477 477 30 30 = = 45362 37564 86754 36217 ... 32617 46573 67584 = = 477 477 30 30 000 | CW | (AB-FIN/MPJ-HOL) |
| M01 | 4905 | 20-7 | 2000 | Tue | Errors in callup 025 299 299 30 30 = = 56473 25163 98473 ... 56473 23542 87765 = = 299 299 30 30 000 | CW | (AB) |
| M01 | 5280 | 22-7 | 1800 | Thu | 025 260 260 30 30 = = 15682 19576 67358 ... 14861 48891 57391 = = 260 260 30 30 000 | CW | (AB/MPJ) |
| M01 | 4905 | 22-7 | 2000 | Thu | 025 270 270 30 30 = = 17464 94817 84115 ... 00991 84372 77401 = = 270 270 30 30 000 | CW | (AB) |

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|-------------|-------|------|------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------|
| M01 | 6435 | 24-7 | 1500 | Sat | 025 (also 250) 306 306 30 30 = = 46537 57790 47893 ... 92315 46390 57832 = = 306 306 30 30 000 Errors in callup. Long and short zero's. Running groups together | CW | (AB) |
| M01 | 6780 | 25-7 | 0700 | Sun | Sent 33 groups. 025 461 461 30 30 = = 61524 74857 35680 ... 21321 34421 61380 = = 461 461 30 30 000 | CW | (AB) |
| M01 | 5280 | 29-7 | 1800 | Thu | 025 130 130 30 30 = = 61154 55624 54888 ... 27367 52974 96209 130 130 30 30 000 | CW | (MPJ) |
| M01 | 6435 | 31-7 | 1458 | Sat | Early start. 025 330 330 30 30 = = 12341 86756 45667 ... 43571 71393 94850 = = 330 330 30 30 0.0.0. | CW | (AB) |
| M01a | 9129 | 14-7 | 0530 | Wed | 498 498 498 53173 53173 (Repeated) 111 000 | CW | (ES-RUS) |
| M12 | 10807 | 1-7 | 0700 | Thu | 822 822 822 000 | CW | (AB-J/HFD-J) |
| M12 | 10207 | 1-7 | 0720 | Thu | 822 822 822 000 | CW | (AB-J/HFD-J) |
| M12 | 13386 | 1-7 | 1110 | Thu | 725 725 725 1 972 80 972 80 49481 44408 84494 ... 12653 13485 18062 000 000 | CW | (AB/MPJ) |
| M12 | 12189 | 1-7 | 1130 | Thu | 725 725 725 1 972 80 972 80 49481 44408 84494 ... 12653 13485 18062 000 000 | CW | (AB/MPJ) |
| M12 | 11491 | 1-7 | 1150 | Thu | 725 725 725 1 972 80 972 80 49481 44408 84494 ... 12653 13485 18062 000 000 | CW | (AB/MPJ) |
| M12 | 12162 | 1-7 | 1700 | Thu | 546 546 546 1 8203 110 8203 110 05810 18697 60853 ... 97904 16581 60582 000 000 | CW | (AB) |
| M12 | 11566 | 1-7 | 1720 | Thu | 546 546 546 1 8203 110 8203 110 05810 18697 60853 ... 97904 16581 60582 000 000 | CW | (AB) |
| M12 | 10711 | 1-7 | 1740 | Thu | 546 546 546 1 8203 110 8203 110 05810 18697 60853 ... 97904 16581 60582 000 000 | CW | (AB) |
| M12 | 12162 | 1-7 | 1800 | Thu | 546 546 546 1 2443 110 2443 110 44928 79284 42839 ... 30114 37602 42227 000 000 | CW | (AB) |
| M12 | 11566 | 1-7 | 1820 | Thu | 546 546 546 1 2443 110 2443 110 44928 79284 42839 ... 30114 37602 42227 000 000 | CW | (AB) |
| M12 | 10711 | 1-7 | 1840 | Thu | 546 546 546 1 2443 110 2443 110 44928 79284 42839 ... 30114 37602 42227 000 000 | CW | (AB) |
| M12 | 12217 | 1-7 | 2000 | Thu | 617 617 617 000 | CW | (AB/RL) |
| M12 | 14377 | 1-7 | 2000 | Thu | 317 317 317 1 9602 111 9602 111 29379 49430 69778 ... 45995 79624 31495 000 000 | CW | (AB) |
| M12 | 10817 | 1-7 | 2020 | Thu | 617 617 617 000 | CW | (AB/RL) |
| M12 | 13461 | 1-7 | 2020 | Thu | 317 317 317 1 9602 111 9602 111 29379 49430 69778 ... 45995 79624 31495 000 000 | CW | (AB) |
| M12 | 12114 | 1-7 | 2040 | Thu | 317 317 317 1 9602 111 9602 111 29379 49430 69778 ... 45995 79624 31495 000 000 | CW | (AB) |
| M12 | 13381 | 1-7 | 2110 | Thu | 317 317 317 1 673 97 673 97 41622 02286 83797 ... 04654 83849 15454 000 000 | CW | (AB/RL) |
| M12 | 12181 | 1-7 | 2130 | Thu | 317 317 317 1 673 97 673 97 41622 02286 83797 ... 04654 83849 15454 000 000 | CW | (AB/RL) |
| M12 | 10781 | 1-7 | 2150 | Thu | 317 317 317 1 673 97 673 97 41622 02286 83797 ... 04654 83849 15454 000 000 | CW | (AB/RL) |
| M12 | 7475 | 2-7 | 0030 | Fri | 402 402 402 1 3786 91 3786 91 40921 80915 62984 2... 96437 47111 87862 000 000 | CW | (AB/HFD) |
| M12 | 8075 | 2-7 | 0050 | Fri | 402 402 402 1 3786 91 3786 91 40921 80915 62984 2... 96437 47111 87862 000 000 | CW | (AB/HFD) |
| M12 | 9275 | 2-7 | 0110 | Fri | 402 402 402 1 3786 91 3786 91 40921 80915 62984 2... 96437 47111 87862 000 000 | CW | (AB/HFD) |
| M12 | 10767 | 2-7 | 2100 | Fri | 712 712 712 1 366 92 366 92 46481 91068 11787 ... 24131 08536 38547 000 000 | CW | (AB/RL/HFD) |
| M12 | 10167 | 2-7 | 2120 | Fri | 712 712 712 1 366 92 366 92 46481 91068 11787 ... 24131 08536 38547 000 000 | CW | (AB/RL/HFD) |
| M12 | 9267 | 2-7 | 2140 | Fri | 712 712 712 1 366 92 366 92 46481 91068 11787 ... 24131 08536 38547 000 000 | CW | (AB/RL/HFD) |
| M12 | 10767 | 3-7 | 2100 | Sat | 712 712 712 1 366 92 366 92 46481 91068 11787 ... 24131 08536 38547 000 000 | CW | (AB) |
| M12 | 10167 | 3-7 | 2120 | Sat | 712 712 712 1 366 92 366 92 46481 91068 11787 ... 24131 08536 38547 000 000 | CW | (AB) |
| M12 | 9267 | 3-7 | 2140 | Sat | 712 712 712 1 366 92 366 92 46481 91068 11787 ... 24131 08536 38547 000 000 | CW | (AB) |
| M12 | 9284 | 3-7 | 2210 | Sat | 295 295 295 000 | CW | (AB/HFD) |
| M12 | 8084 | 3-7 | 2230 | Sat | 295 295 295 000 | CW | (AB/HFD) |
| M12 | 13979 | 4-7 | 1600 | Sun | 931 931 931 000 | CW | (AB/MPJ/HFD) |
| M12 | 13379 | 4-7 | 1620 | Sun | 931 931 931 000 | CW | (AB/MPJ/HFD) |
| M12 | 14377 | 5-7 | 1130 | Mon | 317 317 317 1 7878 90 7878 90 88860 30898 69871 ... 72624 82584 10199 000 000 | CW | (AB/MPJ) |
| M12 | 13461 | 5-7 | 1150 | Mon | 317 317 317 1 7878 90 7878 90 88860 30898 69871 ... 72624 82584 10199 000 000 | CW | (AB/MPJ) |

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|-----|-------|-----|------|-----|--------------------------------------------------------------------------------------------------------------|----|--------------|
| M12 | 12114 | 5-7 | 1210 | Mon | 317 317 317 1 7878 90 7878 90 88860 30898 69871 ... 72624 82584 10199 000 000 | CW | (AB/MPJ) |
| M12 | 12217 | 5-7 | 2000 | Mon | 617 617 617 1 6005 87 6005 87 12233 45026 22338 ... 96462 07415 40232 000 000 | CW | (AB/RL/HFD) |
| M12 | 10817 | 5-7 | 2020 | Mon | 617 617 617 1 6005 87 6005 87 12233 45026 22338 ... 96462 07415 40232 000 000 | CW | (AB/RL/HFD) |
| M12 | 9317 | 5-7 | 2040 | Mon | 617 617 617 1 6005 87 6005 87 12233 45026 22338 ... 96462 07415 40232 000 000 | CW | (AB/RL/HFD) |
| M12 | 13381 | 5-7 | 2110 | Mon | 317 317 317 000 | CW | (AB/RL/HFD) |
| M12 | 12181 | 5-7 | 2130 | Mon | 317 317 317 000 | CW | (AB/RL/HFD) |
| M12 | 9317 | 6-7 | 0530 | Tue | 135 135 135 1 2809 112 2809 112 08963 79174 89925 ... 09872 78229 08308 000 000 | CW | (AB) |
| M12 | 10484 | 6-7 | 0550 | Tue | 135 135 135 1 2809 112 2809 112 08963 79174 89925 ... 09872 78229 08308 000 000 | CW | (AB) |
| M12 | 11552 | 6-7 | 0610 | Tue | 135 135 135 1 2809 112 2809 112 08963 79174 89925 ... 09872 78229 08308 000 000 | CW | (AB) |
| M12 | 10807 | 6-7 | 0700 | Tue | 822 822 822 1 7055 80 7055 80 92335 88078 83658 ... 77048 99476 02863 000 000 | CW | (AB-J) |
| M12 | 10207 | 6-7 | 0720 | Tue | 822 822 822 1 7055 80 7055 80 92335 88078 83658 ... 77048 99476 02863 000 000 | CW | (AB-J) |
| M12 | 9207 | 6-7 | 0740 | Tue | 822 822 822 1 7055 80 7055 80 92335 88078 83658 ... 77048 99476 02863 000 000 | CW | (AB-J) |
| M12 | 13979 | 7-7 | 1600 | Wed | 931 931 931 1 4752 73 4752 73 02363 12644 09162 ... 11372 20578 79440 000 000 | CW | (AB/MPJ) |
| M12 | 13379 | 7-7 | 1620 | Wed | 931 931 931 1 4752 73 4752 73 02363 12644 09162 ... 11372 20578 79440 000 000 | CW | (AB/MPJ) |
| M12 | 12179 | 7-7 | 1640 | Wed | 931 931 931 1 4752 73 4752 73 02363 12644 09162 ... 11372 20578 79440 000 000 | CW | (AB/MPJ) |
| M12 | 12162 | 7-7 | 1710 | Wed | 546 546 546 1 7047 110 7047 110 20637 04213 66190 ... 13516 95060 97456 000 000 | CW | (AB) |
| M12 | 11566 | 7-7 | 1730 | Wed | 546 546 546 1 7047 110 7047 110 20637 04213 66190 ... 13516 95060 97456 000 000 | CW | (AB) |
| M12 | 10711 | 7-7 | 1750 | Wed | 546 546 546 1 7047 110 7047 110 20637 04213 66190 ... 13516 95060 97456 000 000 | CW | (AB) |
| M12 | 9284 | 7-7 | 2210 | Wed | 295 295 295 1 5368 106 5368 106 42760 52519 10604 ... 52795 88752 44740 000 000 | CW | (AB/RL) |
| M12 | 8084 | 7-7 | 2230 | Wed | 295 295 295 1 5368 106 5368 106 42760 52519 10604 ... 52795 88752 44740 000 000 Restart af- ter 2 minutes | CW | (AB/RL) |
| M12 | 7584 | 7-7 | 2250 | Wed | 295 295 295 1 5368 106 5368 106 42760 52519 10604 ... 52795 88752 44740 000 000 | CW | (AB/RL) |
| M12 | 10807 | 8-7 | 0700 | Thu | 822 822 822 1 7055 80 7055 80 92335 88078 83658 ... 77048 99476 02863 000 000 | CW | (AB-J) |
| M12 | 10207 | 8-7 | 0720 | Thu | 822 822 822 1 7055 80 7055 80 92335 88078 83658 ... 77048 99476 02863 000 000 | CW | (AB-J) |
| M12 | 9207 | 8-7 | 0740 | Thu | 822 822 822 1 7055 80 7055 80 92335 88078 83658 ... 77048 99476 02863 000 000 | CW | (AB-J) |
| M12 | 13386 | 8-7 | 1110 | Thu | 725 725 725 1 1966 97 1966 97 95478 46412 48325 ... 26010 63925 78715 000 000 | CW | (AB/MPJ/HFD) |
| M12 | 12189 | 8-7 | 1130 | Thu | 725 725 725 1 1966 97 1966 97 95478 46412 48325 ... 26010 63925 78715 000 000 | CW | (AB/MPJ/HFD) |
| M12 | 11491 | 8-7 | 1150 | Thu | 725 725 725 1 1966 97 1966 97 95478 46412 48325 ... 26010 63925 78715 000 000 | CW | (AB/MPJ/HFD) |
| M12 | 12162 | 8-7 | 1700 | Thu | 546 546 546 1 8254 112 8254 112 60652 61108 59784 ... 14571 71798 28987 000 000 | CW | (AB) |
| M12 | 11566 | 8-7 | 1720 | Thu | 546 546 546 1 8254 112 8254 112 60652 61108 59784 ... 14571 71798 28987 000 000 | CW | (AB) |
| M12 | 10711 | 8-7 | 1740 | Thu | 546 546 546 1 8254 112 8254 112 60652 61108 59784 ... 14571 71798 28987 000 000 | CW | (AB) |
| M12 | 12162 | 8-7 | 1800 | Thu | 546 546 546 1 2901 112 2901 112 06410 09472 18714 ... 66054 12264 95381 000 000 | CW | (AB) |
| M12 | 11566 | 8-7 | 1820 | Thu | 546 546 546 1 2901 112 2901 112 06410 09472 18714 ... 66054 12264 95381 000 000 | CW | (AB) |
| M12 | 10711 | 8-7 | 1840 | Thu | 546 546 546 1 2901 112 2901 112 06410 09472 18714 ... 66054 12264 95381 000 000 | CW | (AB) |
| M12 | 12217 | 8-7 | 2000 | Thu | 617 617 617 1 6005 87 6005 87 12233 45026 22338 ... 96462 07415 40232 000 000 | CW | (AB) |
| M12 | 14377 | 8-7 | 2000 | Thu | 317 317 317 1 2022 108 2022 108 33693 97192 89732 ... 86739 98925 26813 000 000 | CW | (AB) |
| M12 | 10817 | 8-7 | 2020 | Thu | 617 617 617 1 6005 87 6005 87 12233 45026 22338 ... 96462 07415 40232 000 000 | CW | (AB) |
| M12 | 13461 | 8-7 | 2020 | Thu | 317 317 317 1 2022 108 2022 108 33693 97192 89732 ... 86739 98925 26813 000 000 | CW | (AB) |
| M12 | 9317 | 8-7 | 2040 | Thu | 617 617 617 1 6005 87 6005 87 12233 45026 22338 ... 96462 07415 40232 000 000 | CW | (AB) |
| M12 | 12114 | 8-7 | 2040 | Thu | 317 317 317 1 2022 108 2022 108 33693 97192 89732 ... 86739 98925 26813 000 000 | CW | (AB) |
| M12 | 13381 | 8-7 | 2110 | Thu | 317 317 317 000 | CW | (AB) |
| M12 | 12181 | 8-7 | 2130 | Thu | 317 317 317 000 | CW | (AB) |

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| M12 | 7475 | 9-7 | 0030 | Fri | 402 402 402 000 | CW | (AB) |
| M12 | 8075 | 9-7 | 0050 | Fri | 402 402 402 000 | CW | (AB) |
| M12 | 10767 | 9-7 | 2100 | Fri | 712 712 712 000 | CW | (AB/RL) |
| M12 | 10167 | 9-7 | 2120 | Fri | 712 712 712 000 | CW | (AB/RL) |
| M12 | 10767 | 10-7 | 2100 | Sat | 712 712 712 000 | CW | (AB) |
| M12 | 10167 | 10-7 | 2120 | Sat | 712 712 712 000 | CW | (AB) |
| M12 | 9284 | 10-7 | 2210 | Sat | 295 295 295 1 5368 106 5368 106 42760 52519 10604 ... 52795 88752 44740 000 000 | CW | (AB/RL) |
| M12 | 8084 | 10-7 | 2230 | Sat | 295 295 295 1 5368 106 5368 106 42760 52519 10604 ... 52795 88752 44740 000 000 | CW | (AB/RL) |
| M12 | 7584 | 10-7 | 2250 | Sat | 295 295 295 1 5368 106 5368 106 42760 52519 10604 ... 52795 88752 44740 000 000 | CW | (AB/RL) |
| M12 | 13979 | 11-7 | 1600 | Sun | 931 931 931 1 4752 73 4752 73 02363 12644 09162 ... 11372 20578 79440 000 000 | CW | (AB) |
| M12 | 13379 | 11-7 | 1620 | Sun | 931 931 931 1 4752 73 4752 73 02363 12644 09162 ... 11372 20578 79440 000 000 | CW | (AB) |
| M12 | 12179 | 11-7 | 1640 | Sun | 931 931 931 1 4752 73 4752 73 02363 12644 09162 ... 11372 20578 79440 000 000 | CW | (AB) |
| M12 | 14377 | 12-7 | 1130 | Mon | 317 317 317 1 4199 91 4199 91 51686 25362 79652 ... 82048 69599 31492 000 000 | CW | (AB/MPJ) |
| M12 | 13461 | 12-7 | 1150 | Mon | 317 317 317 1 4199 91 4199 91 51686 25362 79652 ... 82048 69599 31492 000 000 | CW | (AB/MPJ) |
| M12 | 12114 | 12-7 | 1210 | Mon | 317 317 317 1 4199 91 4199 91 51686 25362 79652 ... 82048 69599 31492 000 000 | CW | (AB/MPJ) |
| M12 | 16284 | 12-7 | 1600 | Mon | 293 293 293 000 | CW | (AB) |
| M12 | 14984 | 12-7 | 1620 | Mon | 293 293 293 000 | CW | (AB) |
| M12 | 12217 | 12-7 | 2000 | Mon | 617 617 617 000 | CW | (AB/RL) |
| M12 | 10817 | 12-7 | 2020 | Mon | 617 617 617 000 | CW | (AB/RL) |
| M12 | 13381 | 12-7 | 2110 | Mon | 317 317 317 1 894 80 894 80 11260 47060 81545 ... 42651 36155 82547 000 000 | CW | (AB) |
| M12 | 12181 | 12-7 | 2130 | Mon | 317 317 317 1 894 80 894 80 11260 47060 81545 ... 42651 36155 82547 000 000 | CW | (AB) |
| M12 | 10781 | 12-7 | 2150 | Mon | 317 317 317 1 894 80 894 80 11260 47060 81545 ... 42651 36155 82547 000 000 | CW | (AB) |
| M12 | 7475 | 13-7 | 0030 | Tue | 402 402 402 1 4108 51 4108 51 59836 35915 35931 ... 65592 07806 42517 000 000 | CW | (AB) |
| M12 | 8075 | 13-7 | 0050 | Tue | 402 402 402 1 4108 51 4108 51 59836 35915 35931 ... 65592 07806 42517 000 000 | CW | (AB) |
| M12 | 9275 | 13-7 | 0110 | Tue | 402 402 402 1 4108 51 4108 51 59836 35915 35931 ... 65592 07806 42517 000 000 | CW | (AB) |
| M12 | 9317 | 13-7 | 0530 | Tue | 135 135 135 1 1789 107 1789 107 23940 95904 53255 ... 74572 46101 65964 000 000 | CW | (AB) |
| M12 | 10484 | 13-7 | 0550 | Tue | 135 135 135 1 1789 107 1789 107 23940 95904 53255 ... 74572 46101 65964 000 000 | CW | (AB) |
| M12 | 11552 | 13-7 | 0610 | Tue | 135 135 135 1 1789 107 1789 107 23940 95904 53255 ... 74572 46101 65964 000 000 | CW | (AB) |
| M12 | 10807 | 13-7 | 0700 | Tue | 822 822 822 1 419 142 419 142 19655 32397 24398 ... 12247 93502 49638 000 000 | CW | (AB-J) |
| M12 | 10207 | 13-7 | 0720 | Tue | 822 822 822 1 419 142 419 142 19655 32397 24398 ... 12247 93502 49638 000 000 | CW | (AB-J) |
| M12 | 9207 | 13-7 | 0740 | Tue | 822 822 822 1 419 142 419 142 19655 32397 24398 ... 12247 93502 49638 000 000 | CW | (AB-J) |
| M12 | 13979 | 14-7 | 1600 | Wed | 931 931 931 000 | CW | (AB/MPJ) |
| M12 | 13379 | 14-7 | 1620 | Wed | 931 931 931 000 | CW | (AB/MPJ) |
| M12 | 12162 | 14-7 | 1710 | Wed | 546 546 546 1 6955 107 6955 107 34797 33387 95636 ... 01752 66829 52582 000 000 | CW | (AB/ES) |
| M12 | 11566 | 14-7 | 1730 | Wed | 546 546 546 1 6955 107 6955 107 34797 33387 95636 ... 01752 66829 52582 000 000 | CW | (AB/ES) |
| M12 | 10711 | 14-7 | 1750 | Wed | 546 546 546 1 6955 107 6955 107 34797 33387 95636 ... 01752 66829 52582 000 000 | CW | (AB/ES) |
| M12 | 9284 | 14-7 | 2210 | Wed | 295 295 295 1 629 86 629 86 72396 16941 29570 ... 37575 99928 34204 000 000 | CW | (AB/RL) |
| M12 | 8084 | 14-7 | 2230 | Wed | 295 295 295 1 629 86 629 86 72396 16941 29570 ... 37575 99928 34204 000 000 | CW | (AB/RL) |
| M12 | 7584 | 14-7 | 2250 | Wed | 295 295 295 1 629 86 629 86 72396 16941 29570 ... 37575 99928 34204 000 000 | CW | (AB/RL) |
| M12 | 10807 | 15-7 | 0700 | Thu | 822 822 822 1 419 142 419 142 19655 32397 24398 ... 12247 93502 49638 000 000 | CW | (AB-J) |
| M12 | 10207 | 15-7 | 0720 | Thu | 822 822 822 1 419 142 419 142 19655 32397 24398 ... 12247 93502 49638 000 000 | CW | (AB-J) |
| M12 | 9207 | 15-7 | 0740 | Thu | 822 822 822 1 419 142 419 142 19655 32397 24398 ... 12247 93502 49638 000 000 | CW | (AB-J) |

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|-----|-------|------|------|-----|---------------------------------------------------------------------------------|----|--------------|
| M12 | 13386 | 15-7 | 1110 | Thu | 725 725 725 1 1867 99 1867 99 52848 99023 73322 ... 64556 05430 60436 000 000 | CW | (AB) |
| M12 | 12189 | 15-7 | 1130 | Thu | 725 725 725 1 1867 99 1867 99 52848 99023 73322 ... 64556 05430 60436 000 000 | CW | (AB) |
| M12 | 11491 | 15-7 | 1150 | Thu | 725 725 725 1 1867 99 1867 99 52848 99023 73322 ... 64556 05430 60436 000 000 | CW | (AB) |
| M12 | 16284 | 15-7 | 1600 | Thu | 293 293 293 000 | CW | (AB) |
| M12 | 14984 | 15-7 | 1620 | Thu | 293 293 293 000 | CW | (AB) |
| M12 | 12162 | 15-7 | 1700 | Thu | 546 546 546 1 6889 108 6889 108 72183 54333 51113 ... 48656 08348 75459 000 000 | CW | (AB) |
| M12 | 11566 | 15-7 | 1720 | Thu | 546 546 546 1 6889 108 6889 108 72183 54333 51113 ... 48656 08348 75459 000 000 | CW | (AB) |
| M12 | 10711 | 15-7 | 1740 | Thu | 546 546 546 1 6889 108 6889 108 72183 54333 51113 ... 48656 08348 75459 000 000 | CW | (AB) |
| M12 | 12162 | 15-7 | 1800 | Thu | 546 546 546 1 3267 112 3267 112 59169 85067 73338 ... 92820 24556 90314 000 000 | CW | (AB) |
| M12 | 11566 | 15-7 | 1820 | Thu | 546 546 546 1 3267 112 3267 112 59169 85067 73338 ... 92820 24556 90314 000 000 | CW | (AB) |
| M12 | 10711 | 15-7 | 1840 | Thu | 546 546 546 1 3267 112 3267 112 59169 85067 73338 ... 92820 24556 90314 000 000 | CW | (AB) |
| M12 | 12217 | 15-7 | 2000 | Thu | 617 617 617 000 | CW | (AB/RL) |
| M12 | 14377 | 15-7 | 2000 | Thu | 317 317 317 1 933 102 933 102 21073 18439 34791 ... 93321 00709 64000 000 000 | CW | (AB) |
| M12 | 10817 | 15-7 | 2020 | Thu | 617 617 617 000 | CW | (AB/RL) |
| M12 | 13461 | 15-7 | 2020 | Thu | 317 317 317 1 933 102 933 102 21073 18439 34791 ... 93321 00709 64000 000 000 | CW | (AB) |
| M12 | 12114 | 15-7 | 2040 | Thu | 317 317 317 1 933 102 933 102 21073 18439 34791 ... 93321 00709 64000 000 000 | CW | (AB) |
| M12 | 13381 | 15-7 | 2110 | Thu | 317 317 317 1 894 80 894 80 11260 47060 81545 ... 42651 36155 82547 000 000 | CW | (AB/RL) |
| M12 | 12181 | 15-7 | 2130 | Thu | 317 317 317 1 894 80 894 80 11260 47060 81545 ... 42651 36155 82547 000 000 | CW | (AB/RL) |
| M12 | 10781 | 15-7 | 2150 | Thu | 317 317 317 1 894 80 894 80 11260 47060 81545 ... 42651 36155 82547 000 000 | CW | (AB/RL) |
| M12 | 7475 | 16-7 | 0030 | Fri | 402 402 402 1 4108 51 4108 51 59836 35915 35931 ... 65592 07806 42517 000 000 | CW | (AB) |
| M12 | 8075 | 16-7 | 0050 | Fri | 402 402 402 1 4108 51 4108 51 59836 35915 35931 ... 65592 07806 42517 000 000 | CW | (AB) |
| M12 | 9275 | 16-7 | 0110 | Fri | 402 402 402 1 4108 51 4108 51 59836 35915 35931 ... 65592 07806 42517 000 000 | CW | (AB) |
| M12 | 8094 | 16-7 | 0830 | Fri | 471 471 471 1 6059 280 6059 280 51626 83247 02779 ... 55865 11888 04417 000 000 | CW | (ES) |
| M12 | 9142 | 16-7 | 0850 | Fri | 471 471 471 1 6059 280 6059 280 51626 83247 02779 ... 55865 11888 04417 000 000 | CW | (ES) |
| M12 | 10256 | 16-7 | 0910 | Fri | 471 471 471 1 6059 280 6059 280 51626 83247 02779 ... 55865 11888 04417 000 000 | CW | (ES) |
| M12 | 10767 | 16-7 | 2100 | Fri | 712 712 712 000 | CW | (AB/RL) |
| M12 | 10167 | 16-7 | 2120 | Fri | 712 712 712 000 | CW | (AB/RL) |
| M12 | 10767 | 17-7 | 2100 | Sat | 712 712 712 000 | CW | (AB) |
| M12 | 10167 | 17-7 | 2120 | Sat | 712 712 712 000 | CW | (AB) |
| M12 | 9284 | 17-7 | 2210 | Sat | 295 295 295 1 629 86 629 86 72396 16941 29570 ... 37575 99928 34204 000 000 | CW | (AB) |
| M12 | 8084 | 17-7 | 2230 | Sat | 295 295 295 1 629 86 629 86 72396 16941 29570 ... 37575 99928 34204 000 000 | CW | (AB) |
| M12 | 7584 | 17-7 | 2250 | Sat | 295 295 295 1 629 86 629 86 72396 16941 29570 ... 37575 99928 34204 000 000 | CW | (AB) |
| M12 | 13979 | 18-7 | 1600 | Sun | 931 931 931 000 | CW | (AB/MPJ) |
| M12 | 13379 | 18-7 | 1620 | Sun | 931 931 931 000 | CW | (AB/MPJ) |
| M12 | 14377 | 19-7 | 1130 | Mon | 317 317 317 1 6397 98 6397 98 03616 50376 82856 ... 22633 61837 25228 000 000 | CW | (AB/MPJ/HFD) |
| M12 | 13461 | 19-7 | 1150 | Mon | 317 317 317 1 6397 98 6397 98 03616 50376 82856 ... 22633 61837 25228 000 000 | CW | (AB/MPJ/HFD) |
| M12 | 12114 | 19-7 | 1210 | Mon | 317 317 317 1 6397 98 6397 98 03616 50376 82856 ... 22633 61837 25228 000 000 | CW | (AB/MPJ/HFD) |
| M12 | 16284 | 19-7 | 1600 | Mon | 293 293 293 1 9210 89 9210 89 57982 77275 01223 ... 02966 03282 83777 000 000 | CW | (AB/MPJ) |
| M12 | 14984 | 19-7 | 1620 | Mon | 293 293 293 1 9210 89 9210 89 57982 77275 01223 ... 02966 03282 83777 000 000 | CW | (AB/MPJ) |
| M12 | 14384 | 19-7 | 1640 | Mon | 293 293 293 1 9210 89 9210 89 57982 77275 01223 ... 02966 03282 83777 000 000 | CW | (AB/MPJ) |
| M12 | 12217 | 19-7 | 2000 | Mon | 617 617 617 1 228 61 228 61 23662 34339 60395 ... 67006 53020 17782 000 000 | CW | (AB) |
| M12 | 10817 | 19-7 | 2020 | Mon | 617 617 617 1 228 61 228 61 23662 34339 60395 ... 67006 53020 17782 000 000 | CW | (AB) |

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|-----|-------|------|------|-----|---------------------------------------------------------------------------------|----|----------|
| M12 | 9317 | 19-7 | 2040 | Mon | 617 617 617 1 228 61 228 61 23662 34339 60395 ... 67006 53020 17782 000 000 | CW | (AB) |
| M12 | 13381 | 19-7 | 2110 | Mon | 317 317 317 000 | CW | (AB) |
| M12 | 12181 | 19-7 | 2130 | Mon | 317 317 317 000 | CW | (AB) |
| M12 | 7475 | 20-7 | 0030 | Tue | 402 402 402 000 | CW | (AB) |
| M12 | 8075 | 20-7 | 0050 | Tue | 402 402 402 000 | CW | (AB) |
| M12 | 9317 | 20-7 | 0530 | Tue | 135 135 135 1 6544 112 6544 112 76876 62418 80096 ... 35024 36077 95814 000 000 | CW | (AB) |
| M12 | 10484 | 20-7 | 0550 | Tue | 135 135 135 1 6544 112 6544 112 76876 62418 80096 ... 35024 36077 95814 000 000 | CW | (AB) |
| M12 | 11552 | 20-7 | 0610 | Tue | 135 135 135 1 6544 112 6544 112 76876 62418 80096 ... 35024 36077 95814 000 000 | CW | (AB) |
| M12 | 10807 | 20-7 | 0700 | Tue | 822 822 822 1 593 144 593 144 55701 28780 42599 ... 11764 63142 07030 000 000 | CW | (AB-J) |
| M12 | 10207 | 20-7 | 0720 | Tue | 822 822 822 1 593 144 593 144 55701 28780 42599 ... 11764 63142 07030 000 000 | CW | (AB-J) |
| M12 | 9207 | 20-7 | 0740 | Tue | 822 822 822 1 593 144 593 144 55701 28780 42599 ... 11764 63142 07030 000 000 | CW | (AB-J) |
| M12 | 13979 | 21-7 | 1600 | Wed | 931 931 931 1 3736 60 3796 60 38322 62770 97723 ... 47043 84026 54237 000 000 | CW | (AB/MPJ) |
| M12 | 13379 | 21-7 | 1620 | Wed | 931 931 931 1 3736 60 3796 60 38322 62770 97723 ... 47043 84026 54237 000 000 | CW | (AB/MPJ) |
| M12 | 12179 | 21-7 | 1640 | Wed | 931 931 931 1 3736 60 3796 60 38322 62770 97723 ... 47043 84026 54237 000 000 | CW | (AB/MPJ) |
| M12 | 12162 | 21-7 | 1710 | Wed | 546 546 546 1 3313 110 3313 110 50063 96283 38225 ... 99632 39647 81597 000 000 | CW | (AB) |
| M12 | 11566 | 21-7 | 1730 | Wed | 546 546 546 1 3313 110 3313 110 50063 96283 38225 ... 99632 39647 81597 000 000 | CW | (AB) |
| M12 | 10711 | 21-7 | 1750 | Wed | 546 546 546 1 3313 110 3313 110 50063 96283 38225 ... 99632 39647 81597 000 000 | CW | (AB) |
| M12 | 9284 | 21-7 | 2210 | Wed | 295 295 295 1 183 42 183 42 02004 52273 68527 ... 02340 80888 79914 000 000 | CW | (AB/RL) |
| M12 | 8084 | 21-7 | 2230 | Wed | 295 295 295 1 183 42 183 42 02004 52273 68527 ... 02340 80888 79914 000 000 | CW | (AB/RL) |
| M12 | 7584 | 21-7 | 2250 | Wed | 295 295 295 1 183 42 183 42 02004 52273 68527 ... 02340 80888 79914 000 000 | CW | (AB/RL) |
| M12 | 10807 | 22-7 | 0700 | Thu | 822 822 822 1 593 144 593 144 55701 28780 42599 ... 11764 63142 07030 000 000 | CW | (AB-J) |
| M12 | 10207 | 22-7 | 0720 | Thu | 822 822 822 1 593 144 593 144 55701 28780 42599 ... 11764 63142 07030 000 000 | CW | (AB-J) |
| M12 | 9207 | 22-7 | 0740 | Thu | 822 822 822 1 593 144 593 144 55701 28780 42599 ... 11764 63142 07030 000 000 | CW | (AB-J) |
| M12 | 13386 | 22-7 | 1110 | Thu | 725 725 725 1 4998 96 4998 96 45700 96955 94093 ... 19931 90549 36649 000 000 | CW | (AB/MPJ) |
| M12 | 12189 | 22-7 | 1130 | Thu | 725 725 725 1 4998 96 4998 96 45700 96955 94093 ... 19931 90549 36649 000 000 | CW | (AB/MPJ) |
| M12 | 11491 | 22-7 | 1150 | Thu | 725 725 725 1 4998 96 4998 96 45700 96955 94093 ... 19931 90549 36649 000 000 | CW | (AB/MPJ) |
| M12 | 16284 | 22-7 | 1600 | Thu | 293 293 293 1 9210 89 9210 89 57982 77275 01223 ... 02966 03282 83777 000 000 | CW | (AB/MPJ) |
| M12 | 14984 | 22-7 | 1620 | Thu | 293 293 293 1 9210 89 9210 89 57982 77275 01223 ... 02966 03282 83777 000 000 | CW | (AB/MPJ) |
| M12 | 14384 | 22-7 | 1640 | Thu | 293 293 293 1 9210 89 9210 89 57982 77275 01223 ... 02966 03282 83777 000 000 | CW | (AB/MPJ) |
| M12 | 12162 | 22-7 | 1700 | Thu | 546 546 546 1 8544 104 8544 104 43093 82192 16564 ... 47542 53507 76126 000 000 | CW | (AB) |
| M12 | 11566 | 22-7 | 1720 | Thu | 546 546 546 1 8544 104 8544 104 43093 82192 16564 ... 47542 53507 76126 000 000 | CW | (AB) |
| M12 | 10711 | 22-7 | 1740 | Thu | 546 546 546 1 8544 104 8544 104 43093 82192 16564 ... 47542 53507 76126 000 000 | CW | (AB) |
| M12 | 12162 | 22-7 | 1800 | Thu | 546 546 546 1 6531 106 6531 106 29977 95437 03000 ... 53991 03362 31285 000 000 | CW | (AB) |
| M12 | 11566 | 22-7 | 1820 | Thu | 546 546 546 1 6531 106 6531 106 29977 95437 03000 ... 53991 03362 31285 000 000 | CW | (AB) |
| M12 | 10711 | 22-7 | 1840 | Thu | 546 546 546 1 6531 106 6531 106 29977 95437 03000 ... 53991 03362 31285 000 000 | CW | (AB) |
| M12 | 12217 | 22-7 | 2000 | Thu | 617 617 617 1 228 61 228 61 23662 34339 60395 ... 67006 53020 17782 000 000 | CW | (AB/RL) |
| M12 | 14377 | 22-7 | 2000 | Thu | 317 317 317 1 4535 101 4535 101 50927 80487 65708 ... 45044 95524 98198 000 000 | CW | (AB) |
| M12 | 10817 | 22-7 | 2020 | Thu | 617 617 617 1 228 61 228 61 23662 34339 60395 ... 67006 53020 17782 000 000 | CW | (AB/RL) |
| M12 | 13461 | 22-7 | 2020 | Thu | 317 317 317 1 4535 101 4535 101 50927 80487 65708 ... 45044 95524 98198 000 000 | CW | (AB) |
| M12 | 9317 | 22-7 | 2040 | Thu | 617 617 617 1 228 61 228 61 23662 34339 60395 ... 67006 53020 17782 000 000 | CW | (AB/RL) |
| M12 | 12114 | 22-7 | 2040 | Thu | 317 317 317 1 4535 101 4535 101 50927 80487 65708 ... 45044 95524 98198 000 000 | CW | (AB) |
| M12 | 13381 | 22-7 | 2110 | Thu | 317 317 317 000 | CW | (AB) |

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|-----|-------|------|------|-----|-----------------------------------------------------------------------------------------|----|-----------|
| M12 | 12181 | 22-7 | 2130 | Thu | 317 317 317 000 | CW | (AB) |
| M12 | 7475 | 23-7 | 0030 | Fri | 402 402 402 000 | CW | (AB) |
| M12 | 8075 | 23-7 | 0050 | Fri | 402 402 402 000 | CW | (AB) |
| M12 | 10767 | 23-7 | 2100 | Fri | 712 712 712 000 | CW | (AB) |
| M12 | 10167 | 23-7 | 2120 | Fri | 712 712 712 000 | CW | (AB) |
| M12 | 10767 | 24-7 | 2100 | Sat | 712 712 712 000 | CW | (AB/RL) |
| M12 | 10167 | 24-7 | 2120 | Sat | 712 712 712 000 | CW | (AB/RL) |
| M12 | 9284 | 24-7 | 2210 | Sat | 295 295 295 1 183 42 183 42 02004 52273 68527 ... 81961 69798 02340 80888 79914 000 000 | CW | (AB/RL) |
| M12 | 8084 | 24-7 | 2230 | Sat | 295 295 295 1 183 42 183 42 02004 52273 68527 ... 81961 69798 02340 80888 79914 000 000 | CW | (AB/RL) |
| M12 | 7584 | 24-7 | 2250 | Sat | 295 295 295 1 183 42 183 42 02004 52273 68527 ... 81961 69798 02340 80888 79914 000 000 | CW | (AB/RL) |
| M12 | 13979 | 25-7 | 1600 | Sun | 931 931 931 1 3736 60 3796 60 38322 62770 97723 ... 47043 84026 54237 000 000 | CW | (AB) |
| M12 | 13379 | 25-7 | 1620 | Sun | 931 931 931 1 3736 60 3796 60 38322 62770 97723 ... 47043 84026 54237 000 000 | CW | (AB) |
| M12 | 12179 | 25-7 | 1640 | Sun | 931 931 931 1 3736 60 3796 60 38322 62770 97723 ... 47043 84026 54237 000 000 | CW | (AB) |
| M12 | 15881 | 26-7 | 0210 | Mon | 874 874 874 1 ... | CW | (HFD-USA) |
| M12 | 14781 | 26-7 | 0230 | Mon | 874 874 874 1 ... | CW | (HFD-USA) |
| M12 | 13481 | 26-7 | 0250 | Mon | 874 874 874 1 ... | CW | (HFD-USA) |
| M12 | 14377 | 26-7 | 1130 | Mon | 317 317 317 1 2693 93 2693 93 13979 47848 41806 ... 19869 12972 37555 000 000 | CW | (AB/MPJ) |
| M12 | 13461 | 26-7 | 1150 | Mon | 317 317 317 1 2693 93 2693 93 13979 47848 41806 ... 19869 12972 37555 000 000 | CW | (AB/MPJ) |
| M12 | 12114 | 26-7 | 1210 | Mon | 317 317 317 1 2693 93 2693 93 13979 47848 41806 ... 19869 12972 37555 000 000 | CW | (AB/MPJ) |
| M12 | 16284 | 26-7 | 1600 | Mon | 293 293 293 000 | CW | (AB) |
| M12 | 14984 | 26-7 | 1620 | Mon | 293 293 293 000 | CW | (AB) |
| M12 | 12217 | 26-7 | 2000 | Mon | 617 617 617 000 | CW | (AB/RL) |
| M12 | 10817 | 26-7 | 2020 | Mon | 617 617 617 000 | CW | (AB/RL) |
| M12 | 13381 | 26-7 | 2110 | Mon | 317 317 317 1 847 97 847 97 15414 26080 21949 ... 79295 97024 98569 000 000 | CW | (AB/RL) |
| M12 | 12181 | 26-7 | 2130 | Mon | 317 317 317 1 847 97 847 97 15414 26080 21949 ... 79295 97024 98569 000 000 | CW | (AB/RL) |
| M12 | 10781 | 26-7 | 2150 | Mon | 317 317 317 1 847 97 847 97 15414 26080 21949 ... 79295 97024 98569 000 000 | CW | (AB/RL) |
| M12 | 7475 | 27-7 | 0030 | Tue | 402 402 402 1 3628 86 3628 86 47939 90929 23269 ... 66072 82014 45721 000 000 | CW | (AB) |
| M12 | 8075 | 27-7 | 0050 | Tue | 402 402 402 1 3628 86 3628 86 47939 90929 23269 ... 66072 82014 45721 000 000 | CW | (AB) |
| M12 | 9275 | 27-7 | 0110 | Tue | 402 402 402 1 3628 86 3628 86 47939 90929 23269 ... 66072 82014 45721 000 000 | CW | (AB) |
| M12 | 9317 | 27-7 | 0530 | Tue | 135 135 135 1 607 107 6207 107 10244 86178 96960 ... 33554 01813 99207 000 000 | CW | (AB) |
| M12 | 10484 | 27-7 | 0550 | Tue | 135 135 135 1 607 107 6207 107 10244 86178 96960 ... 33554 01813 99207 000 000 | CW | (AB) |
| M12 | 11552 | 27-7 | 0610 | Tue | 135 135 135 1 607 107 6207 107 10244 86178 96960 ... 33554 01813 99207 000 000 | CW | (AB) |
| M12 | 10807 | 27-7 | 0700 | Tue | 822 822 822 1 8480 124 8480 124 91028 86652 01461 ... 03243 45126 06642 000 000 | CW | (AB-J) |
| M12 | 10207 | 27-7 | 0720 | Tue | 822 822 822 1 8480 124 8480 124 91028 86652 01461 ... 03243 45126 06642 000 000 | CW | (AB-J) |
| M12 | 9207 | 27-7 | 0740 | Tue | 822 822 822 1 8480 124 8480 124 91028 86652 01461 ... 03243 45126 06642 000 000 | CW | (AB-J) |
| M12 | 9338 | 27-7 | 1121 | Tue | i.p. 40481 30025 ... 42133 71532 20360 000 000 | CW | (ES) |
| M12 | 9338 | 27-7 | 1155 | Tue | 793 793 793 1 2857 290 2857 290 55366 38299 76261 ... 49761 40288 07626 000 000 | CW | (ES) |
| M12 | 10427 | 27-7 | 1215 | Tue | 793 793 793 1 2857 290 2857 290 55366 38299 76261 ... 49761 40288 07626 000 000 | CW | (ES) |
| M12 | 11574 | 27-7 | 1235 | Tue | 793 793 793 1 2857 290 2857 290 55366 38299 76261 ... 49761 40288 07626 000 000 | CW | (ES) |
| M12 | 13979 | 28-7 | 1600 | Wed | 931 931 931 000 | CW | (AB) |
| M12 | 13379 | 28-7 | 1620 | Wed | 931 931 931 000 | CW | (AB) |
| M12 | 12162 | 28-7 | 1710 | Wed | 546 546 546 1 7422 110 7422 110 42269 13028 70280 ... 47435 57764 12907 000 000 | CW | (AB) |

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|-----|-------|------|------|-----|---------------------------------------------------------------------------------------------------------------|----|----------|
| M12 | 11566 | 28-7 | 1730 | Wed | 546 546 546 1 7422 110 7422 110 42269 13028 70280 ... 47435 57764 12907 000 000 | CW | (AB) |
| M12 | 10711 | 28-7 | 1750 | Wed | 546 546 546 1 7422 110 7422 110 42269 13028 70280 ... 47435 57764 12907 000 000 | CW | (AB) |
| M12 | 9284 | 28-7 | 2210 | Wed | 295 295 295 1 471 60 471 60 89787 43370 96948 ... 76722 43458 22092 000 000 | CW | (AB) |
| M12 | 8084 | 28-7 | 2230 | Wed | 295 295 295 1 471 60 471 60 89787 43370 96948 ... 76722 43458 22092 000 000 | CW | (AB) |
| M12 | 7584 | 28-7 | 2250 | Wed | 295 295 295 1 471 60 471 60 89787 43370 96948 ... 76722 43458 22092 000 000 | CW | (AB) |
| M12 | 10807 | 29-7 | 0700 | Thu | 822 822 822 1 8480 124 8480 124 91028 86652 01461 ... 03243 45126 06642 000 000 | CW | (AB-J) |
| M12 | 10207 | 29-7 | 0720 | Thu | 822 822 822 1 8480 124 8480 124 91028 86652 01461 ... 03243 45126 06642 000 000 | CW | (AB-J) |
| M12 | 9207 | 29-7 | 0740 | Thu | 822 822 822 1 8480 124 8480 124 91028 86652 01461 ... 03243 45126 06642 000 000 | CW | (AB-J) |
| M12 | 13386 | 29-7 | 1110 | Thu | 725 725 725 1 8200 94 8200 94 15130 88116 82896 ... 09526 12332 99605 000 000 | CW | (AB/MPJ) |
| M12 | 12189 | 29-7 | 1130 | Thu | 725 725 725 1 8200 94 8200 94 15130 88116 82896 ... 09526 12332 99605 000 000 | CW | (AB/MPJ) |
| M12 | 11491 | 29-7 | 1150 | Thu | 725 725 725 1 8200 94 8200 94 15130 88116 82896 ... 09526 12332 99605 000 000 | CW | (AB/MPJ) |
| M12 | 16284 | 29-7 | 1600 | Thu | 293 293 293 000 | CW | (AB) |
| M12 | 14984 | 29-7 | 1620 | Thu | 293 293 293 000 | CW | (AB) |
| M12 | 12162 | 29-7 | 1700 | Thu | 546 546 546 1 7698 109 7698 109 27901 40893 01447 ... 79789 97102 65092 000 000 | CW | (AB) |
| M12 | 11566 | 29-7 | 1720 | Thu | 546 546 546 1 7698 109 7698 109 27901 40893 01447 ... 79789 97102 65092 000 000 | CW | (AB) |
| M12 | 10711 | 29-7 | 1740 | Thu | 546 546 546 1 7698 109 7698 109 27901 40893 01447 ... 79789 97102 65092 000 000 | CW | (AB) |
| M12 | 12162 | 29-7 | 1800 | Thu | 546 546 546 1 8706 104 8706 104 10086 21206 60974 ... 22230 28464 40765 000 000 | CW | (AB) |
| M12 | 11566 | 29-7 | 1820 | Thu | 546 546 546 1 8706 104 8706 104 10086 21206 60974 ... 22230 28464 40765 000 000 | CW | (AB) |
| M12 | 10711 | 29-7 | 1840 | Thu | 546 546 546 1 8706 104 8706 104 10086 21206 60974 ... 22230 28464 40765 000 000 | CW | (AB) |
| M12 | 12217 | 29-7 | 2000 | Thu | 617 617 617 000 | CW | (AB/RL) |
| M12 | 14377 | 29-7 | 2000 | Thu | 317 317 317 1 385 97 385 97 88577 30133 52032 33216 ... 60217 32774 95729 000 000 | CW | (AB) |
| M12 | 10817 | 29-7 | 2020 | Thu | 617 617 617 000 | CW | (AB/RL) |
| M12 | 13461 | 29-7 | 2020 | Thu | 317 317 317 1 385 97 385 97 88577 30133 52032 33216 ... 60217 32774 95729 000 000 | CW | (AB) |
| M12 | 12114 | 29-7 | 2040 | Thu | 317 317 317 1 385 97 385 97 88577 30133 52032 33216 ... 60217 32774 95729 000 000 | CW | (AB) |
| M12 | 13381 | 29-7 | 2110 | Thu | 317 317 317 1 847 97 847 97 15414 26080 21949 ... 79295 97024 98569 000 000 | CW | (AB/RL) |
| M12 | 12181 | 29-7 | 2130 | Thu | 317 317 317 1 847 97 847 97 15414 26080 21949 ... 79295 97024 98569 000 000 | CW | (AB/RL) |
| M12 | 10781 | 29-7 | 2150 | Thu | 317 317 317 1 847 97 847 97 15414 26080 21949 ... 79295 97024 98569 000 000 | CW | (AB/RL) |
| M12 | 7475 | 30-7 | 0030 | Fri | 402 402 402 1 3628 86 3628 86 47939 90929 23269 ... 66072 82014 45721 000 000 | CW | (AB) |
| M12 | 8075 | 30-7 | 0050 | Fri | 402 402 402 1 3628 86 3628 86 47939 90929 23269 ... 66072 82014 45721 000 000 | CW | (AB) |
| M12 | 9275 | 30-7 | 0110 | Fri | 402 402 402 1 3628 86 3628 86 47939 90929 23269 ... 66072 82014 45721 000 000 | CW | (AB) |
| M12 | 10767 | 30-7 | 2100 | Fri | 712 712 712 000 | CW | (AB/RL) |
| M12 | 10167 | 30-7 | 2120 | Fri | 712 712 712 000 | CW | (AB/RL) |
| M12 | 10767 | 31-7 | 2100 | Sat | 712 712 712 000 | CW | (AB/RL) |
| M12 | 10167 | 31-7 | 2120 | Sat | 712 712 712 000 | CW | (AB/RL) |
| M12 | 9284 | 31-7 | 2210 | Sat | 295 295 295 1 471 60 471 60 89787 43370 96948 ... 76722 43458 22092 000 000 | CW | (RL) |
| M12 | 8084 | 31-7 | 2230 | Sat | 295 295 295 1 471 60 471 60 89787 43370 96948 ... 76722 43458 22092 000 000 | CW | (RL) |
| M12 | 7584 | 31-7 | 2250 | Sat | 295 295 295 1 471 60 471 60 89787 43370 96948 ... 76722 43458 22092 000 000 | CW | (RL) |
| M14 | 12211 | 1-7 | 0500 | Thu | Hiccups during the callup 952 168 168 52 52 == 19884 07737 00684 ... 90367 34555 52877 == 168 168 52 52 00000 | CW | (AB-J) |
| M14 | 10243 | 1-7 | 0520 | Thu | 952 168 168 52 52 == 19884 07737 00684 ... 90367 34555 52877 == 168 168 52 52 00000 | CW | (AB-J) |
| M14 | 12211 | 2-7 | 0500 | Fri | 952 703 703 51 51 == 99254 12061 86764 ... 53120 24437 61171 == 703 703 51 51 00000 | CW | (AB-J) |
| M14 | 10243 | 2-7 | 0520 | Fri | 952 703 703 51 51 == 99254 12061 86764 ... 53120 24437 61171 == 703 703 51 51 00000 | CW | (AB-J) |

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|------------|-------|------|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------|
| M14 | 12211 | 5-7 | 0500 | Mon | Stopped after 5 minutes. Restart at 0507 UTC. 952 146 146 54 54 = = 50540 37544 23529 ... 17033 80646 00113 = = 146 146 54 54 00000 | CW | (AB-J) |
| M14 | 10243 | 5-7 | 0520 | Mon | 952 146 146 54 54 = = 50540 37544 23529 ... 17033 80646 00113 = = 146 146 54 54 00000 | CW | (AB-J) |
| M14 | 12211 | 6-7 | 0500 | Tue | Transmitter sounds between 0501 and 0502z. Nothing else | CW | (AB-J) |
| M14 | 10243 | 6-7 | 0520 | Tue | Dirty signal. Unreadable. Off at 0521z. Carrier at 0527. M14 at 0530z with a low signal. Off at 0533z and back with a somewhat stronger signal. Off at 0539z. Only id 952 was sent. Short carrier at 054 | CW | (AB-J) |
| M14 | 12211 | 7-7 | 0500 | Wed | 952 471 471 56 56 = = 72009 21527 82576 ... 43523 16153 66992 = = 471 471 56 56 00000 | CW | (AB-J) |
| M14 | 10243 | 7-7 | 0520 | Wed | 952 471 471 56 56 = = 72009 21527 82576 ... 43523 16153 66992 = = 471 471 56 56 00000 | CW | (AB-J) |
| M14 | 12211 | 8-7 | 0500 | Thu | 952 680 680 61 61 = = 75867 06199 09402 ... 67241 24500 61923 = = 680 680 61 61 00000 | CW | (AB-J) |
| M14 | 10243 | 8-7 | 0520 | Thu | 952 680 680 61 61 = = 75867 06199 09402 ... 67241 24500 61923 = = 680 680 61 61 00000 | CW | (AB-J) |
| M14 | 12211 | 9-7 | 0500 | Fri | 952 371 371 52 52 = = 45148 67974 22871 ... 75532 27998 05916 = = 371 371 52 52 00000 | CW | (AB-J) |
| M14 | 10243 | 9-7 | 0520 | Fri | 952 371 371 52 52 = = 45148 67974 22871 ... 75532 27998 05916 = = 371 371 52 52 00000 | CW | (AB-J) |
| M14 | 16347 | 10-7 | 0930 | Sat | 617 502 502 148 148 = = 79308 31423 33517 ... 58733 30401 88484 = = 502 502 148 48 00000 | CW | (AB/HFD) |
| M14 | 14878 | 11-7 | 0930 | Sun | 617 502 502 148 148 = = 79308 31423 33517 ... 58733 30401 88484 = = 502 502 148 48 00000 | CW | (AB) |
| M14 | 12211 | 12-7 | 0500 | Mon | 952 846 846 55 55 = = 58044 78577 61644 ... 13896 07640 25400 = = 846 846 55 55 00000 | CW | (AB-J) |
| M14 | 10243 | 12-7 | 0520 | Mon | 952 846 846 55 55 = = 58044 78577 61644 ... 13896 07640 25400 = = 846 846 55 55 00000 | CW | (AB-J) |
| M14 | 12211 | 13-7 | 0500 | Tue | Late start. Carrier till 0504z. 952 310 310 54 54 = = 72392 61911 27907 ... 39245 34474 19894 = = 310 310 54 54 00000 | CW | (AB-J) |
| M14 | 10243 | 13-7 | 0520 | Tue | 952 310 310 54 54 = = 72392 61911 27907 ... 39245 34474 19894 = = 310 310 54 54 00000 | CW | (AB-J) |
| M14 | 12211 | 14-7 | 0500 | Wed | 952 437 437 52 52 = = 17125 99248 71965 ... 63782 47919 66763 = = 437 437 52 52 00000 | CW | (AB-J) |
| M14 | 10243 | 14-7 | 0520 | Wed | 952 437 437 52 52 = = 17125 99248 71965 ... 63782 47919 66763 = = 437 437 52 52 00000 | CW | (AB-J) |
| M14 | 12211 | 15-7 | 0500 | Thu | 952 681 681 57 57 = = 99668 87822 92162 ... 83162 60108 98423 = = 681 681 57 57 00000 | CW | (AB-J) |
| M14 | 10243 | 15-7 | 0520 | Thu | 952 681 681 57 57 = = 99668 87822 92162 ... 83162 60108 98423 = = 681 681 57 57 00000 | CW | (AB-J) |
| M14 | 12211 | 16-7 | 0500 | Fri | 952 737 737 65 65 = = 50855 53392 61495 ... 68949 24731 19840 = = 737 737 65 65 00000 | CW | (AB-J) |
| M14 | 10243 | 16-7 | 0520 | Fri | 952 737 737 65 65 = = 50855 53392 61495 ... 68949 24731 19840 = = 737 737 65 65 00000 | CW | (AB-J) |
| M14 | 12211 | 19-7 | 0500 | Mon | 952 608 608 56 56 = = 99591 05480 74996 ... 35765 23771 01646 = = 608 608 56 56 00000 | CW | (AB-J/HFD) |
| M14 | 10243 | 19-7 | 0520 | Mon | 952 608 608 56 56 = = 99591 05480 74996 ... 35765 23771 01646 = = 608 608 56 56 00000 | CW | (AB-J/HFD) |
| M14 | 12211 | 20-7 | 0500 | Tue | 952 314 314 56 56 = = 87015 13152 69529 ... 16854 73700 73622 = = 314 314 56 56 00000 | CW | (AB-J) |
| M14 | 10243 | 20-7 | 0520 | Tue | 952 314 314 56 56 = = 87015 13152 69529 ... 16854 73700 73622 = = 314 314 56 56 00000 | CW | (AB-J) |
| M14 | 12211 | 21-7 | 0500 | Wed | 952 768 768 52 52 = = 94527 07366 39916 ... 83868 29894 92038 = = 768 768 52 52 00000 | CW | (AB-J) |
| M14 | 10243 | 21-7 | 0520 | Wed | 952 768 768 52 52 = = 94527 07366 39916 ... 83868 29894 92038 = = 768 768 52 52 00000 | CW | (AB-J) |
| M14 | 12211 | 22-7 | 0500 | Thu | 952 103 103 54 54 = = 42542 06429 51808 ... 01236 10694 44279 = = 103 103 54 54 00000 | CW | (AB-J) |
| M14 | 10243 | 22-7 | 0520 | Thu | 952 103 103 54 54 = = 42542 06429 51808 ... 01236 10694 44279 = = 103 103 54 54 00000 | CW | (AB-J) |
| M14 | 12211 | 23-7 | 0500 | Fri | 952 746 746 52 52 = = 44197 37492 22789 ... 73912 73798 92136 = = 746 746 52 52 00000 | CW | (PY) |
| M14 | 10243 | 23-7 | 0520 | Fri | Idle carrier until 0531z, then off. No M14 | CW | (PY) |
| M14 | 16347 | 25-7 | 0930 | Sun | 617 502 502 148 148 = = 79308 31423 33517 ... 58733 30401 88484 = = 502 502 148 48 00000 | CW | (AB) |
| M14 | 12211 | 26-7 | 0500 | Mon | Carrier, 1 min reverse morse, then 952 808 808 59 59 = = 51357 42921 98492 ... 71823 71719 35964 = = 808 808 59 59. No 00000 at the end | CW | (AB-J) |
| M14 | 10243 | 26-7 | 0526 | Mon | 952 808 808 59 59 = = 51357 42921 98492 ... 71823 71719 35964 = = 808 808 59 59 00000 | CW | (AB-J) |
| M14 | 14878 | 26-7 | 0930 | Mon | 617 502 502 148 148 = = 79308 31423 33517 ... 58733 30401 88484 = = 502 502 148 48 00000 | CW | (AB) |
| M14 | 12211 | 27-7 | 0500 | Tue | 952 413 413 68 68 = = 66647 08573 29411 ... 93352 39410 65873 = = 413 413 68 68 00000 | CW | (AB-J) |

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|------|-------|------|------|-----|---------------------------------------------------------------------------------------|----------------------|--------|
| M14 | 10243 | 27-7 | 0520 | Tue | 952 413 413 68 68 = = 66647 08573 29411 ... 93352 39410 65873 = = 413 413 68 68 00000 | CW | (AB-J) |
| M14 | 12211 | 28-7 | 0500 | Wed | 952 678 678 51 51 = = 06769 73040 47941 ... 61841 79264 97820 = = 678 678 51 51 00000 | CW | (AB-J) |
| M14 | 10243 | 28-7 | 0520 | Wed | 952 678 678 51 51 = = 06769 73040 47941 ... 61841 79264 97820 = = 678 678 51 51 00000 | CW | (AB-J) |
| M14 | 12211 | 29-7 | 0500 | Thu | 952 303 303 62 62 = = 73334 63611 54657 ... 86114 18216 84685 = = 303 303 62 62 00000 | CW | (AB-J) |
| M14 | 10243 | 29-7 | 0520 | Thu | 952 303 303 62 62 = = 73334 63611 54657 ... 86114 18216 84685 = = 303 303 62 62 00000 | CW | (AB-J) |
| M14 | 12211 | 30-7 | 0500 | Fri | 952 147 147 52 52 = = 76174 75864 42769 ... 48968 43439 74991 = = 147 147 52 52 00000 | CW | (AB-J) |
| M14 | 10243 | 30-7 | 0520 | Fri | 952 147 147 52 52 = = 76174 75864 42769 ... 48968 43439 74991 = = 147 147 52 52 00000 | CW | (AB-J) |
| M42 | 12158 | 8-7 | 0930 | Thu | Russian diplo/intel. | MFSK-66 | (AB) |
| M42 | 12165 | 13-7 | 1200 | Tue | Russian diplo/intel. | 5xMFSK-16/250Bd-BPSK | (AB) |
| M42 | 13952 | 17-7 | 1507 | Sat | Russian diplo/intel. | 5xMFSK-16/250Bd-BPSK | (AB) |
| M42 | 12120 | 19-7 | 0704 | Mon | Russian diplo/intel. | MFSK-66 | (AB) |
| M42 | 12165 | 31-7 | 1300 | Sat | Russian diplo/intel. | 5xMFSK-16/250Bd-BPSK | (AB) |
| M51b | 3881 | 21-7 | 0920 | Wed | Non-stop 5-character groups composed of M51a messages //6825 kHz | CW | (AB) |
| M51b | 6825 | 21-7 | 0920 | Wed | Non-stop 5-character groups composed of M51a messages //3881 kHz | CW | (AB) |
| M89 | 6378 | 3-7 | 1129 | Sat | V BSA5 (x3) DE TP4C (x2) //7045 | CW | (JPL) |
| M89 | 7045 | 3-7 | 1129 | Sat | V BSA5 (x3) DE TP4C (x2) //6378 | CW | (JPL) |
| M89 | 4718 | 3-7 | 1154 | Sat | V BSA5 (x3) DE TP4C (x2) //6378 | CW | (JPL) |
| M89 | 6378 | 3-7 | 1154 | Sat | V BSA5 (x3) DE TP4C (x2) //4718 | CW | (JPL) |
| M89 | 7653 | 3-7 | 1201 | Sat | i.p. NR 1636/EX 2000 = H2N1/B4L5 AR NR 1636/EX 2000 = H2N1/B4L5 AR QSY 80 QSY 80 VVV | CW | (JPL) |
| M89 | 6333 | 3-7 | 1208 | Sat | i.p. /EX TIME 2012 = F2W8/P4R7 AR FFF NR 2741/EX TIME 2012 = F2W8/P4R7 AR | CW | (JPL) |
| M89 | 6321 | 3-7 | 1210 | Sat | i.p. = VBB AR F NR 5512/EX 2009 = VBB AR QSY 0400 | CW | (JPL) |
| M89 | 5600 | 3-7 | 1213 | Sat | i.p. 75DA 5U4T AAAA 4NTN 6DN4 UT3A 3U5U ... | CW | (JPL) |
| M89 | 5556 | 3-7 | 1215 | Sat | i.p. TDAU 7N6T 7A5D U34N 5ADU 37ND ... | CW | (JPL) |
| M89 | 3565 | 11-7 | 1737 | Sun | V BSA5 (x3) DE TP4C (x2) //4718 | CW | (JPL) |
| M89 | 4718 | 11-7 | 1737 | Sun | V BSA5 (x3) DE TP4C (x2) //3565 | CW | (JPL) |
| M89 | 6840 | 11-7 | 1743 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) Testing? No // freqs found | CW | (JPL) |
| M89 | 4728 | 11-7 | 1803 | Sun | V GAD(x3) DE CCE (x2) (R5) QSA ? QSV K | CW | (JPL) |
| M89 | 3850 | 11-7 | 1820 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620, 4860, 5640, 6320, 6840 | CW | (JPL) |
| M89 | 4620 | 11-7 | 1820 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4860, 5640, 6320, 6840 | CW | (JPL) |
| M89 | 4860 | 11-7 | 1820 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 5640, 6320, 6840 | CW | (JPL) |
| M89 | 5640 | 11-7 | 1820 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 4860, 6320, 6840 | CW | (JPL) |
| M89 | 6320 | 11-7 | 1820 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 4860, 5640, 6840 | CW | (JPL) |
| M89 | 6840 | 11-7 | 1820 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 4860, 5640, 6320 | CW | (JPL) |
| M89 | 4720 | 11-7 | 1830 | Sun | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150 | CW | (JPL) |
| M89 | 4860 | 11-7 | 1830 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) Machine sent - Testing? //6840 only | CW | (JPL) |
| M89 | 5150 | 11-7 | 1830 | Sun | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 6840 | 11-7 | 1830 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 only - Testing? | CW | (JPL) |
| M89 | 6840 | 11-7 | 1840 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) Testing? No // freqs found | CW | (JPL) |
| M89 | 3850 | 11-7 | 1920 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620, 4860, 5640, 6840 | CW | (JPL) |
| M89 | 4620 | 11-7 | 1920 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4860, 5640, 6840 | CW | (JPL) |
| M89 | 4860 | 11-7 | 1920 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 5640, 6840 | CW | (JPL) |
| M89 | 6840 | 11-7 | 1920 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 4860, 5640 | CW | (JPL) |

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| M89 | 4720 | 11-7 | 1930 | Sun | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150 | CW | (JPL) |
| M89 | 4860 | 11-7 | 1930 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) Machine sent - Testing? //6840 only | CW | (JPL) |
| M89 | 5150 | 11-7 | 1930 | Sun | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 6840 | 11-7 | 1930 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 only - Testing? | CW | (JPL) |
| M89 | 6840 | 11-7 | 1940 | Sun | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) Testing? No // freqs found | CW | (JPL) |
| M89 | 5640 | 12-7 | 1020 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6320, 6840, 8290, 8360, 10640 | CW | (JPL) |
| M89 | 6320 | 12-7 | 1020 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6840, 8290, 8360, 10640 | CW | (JPL) |
| M89 | 8290 | 12-7 | 1020 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8360, 10640 | CW | (JPL) |
| M89 | 8360 | 12-7 | 1020 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8290, 10640 | CW | (JPL) |
| M89 | 10640 | 12-7 | 1020 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 6840, 8290, 8360 | CW | (JPL) |
| M89 | 6378 | 12-7 | 1027 | Mon | V BSA5 (x3) DE TP4C (x2) //7045 | CW | (JPL) |
| M89 | 7045 | 12-7 | 1027 | Mon | V J9VQ (x3) DE DGM7 (x2) | CW | (JPL) |
| M89 | 6840 | 12-7 | 1030 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290 only - Testing? - Special sked? | CW | (JPL) |
| M89 | 7620 | 12-7 | 1030 | Mon | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350 | CW | (JPL) |
| M89 | 8290 | 12-7 | 1030 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 only - Testing? - Special sked? | CW | (JPL) |
| M89 | 8350 | 12-7 | 1030 | Mon | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620 | CW | (JPL) |
| M89 | 6840 | 12-7 | 1040 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) Testing? - Special sked? | CW | (JPL) |
| M89 | 8073.2 | 12-7 | 1100 | Mon | VV J9VQ DE DGM7 K QSY 2 QSY 2 QSY 2 K //7045 | CW | (JPL) |
| M89 | 5640 | 12-7 | 1120 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6320, 6840, 8290, 8360 | CW | (JPL) |
| M89 | 6320 | 12-7 | 1120 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6840, 8290, 8360 | CW | (JPL) |
| M89 | 6840 | 12-7 | 1120 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6320, 8290, 8360 | CW | (JPL) |
| M89 | 6840 | 12-7 | 1120 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860, 5640, 6320, 8290, 8360, 10640 | CW | (JPL) |
| M89 | 8290 | 12-7 | 1120 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6320, 6840, 8360 | CW | (JPL) |
| M89 | 8360 | 12-7 | 1120 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6320, 6840, 8290 | CW | (JPL) |
| M89 | 6840 | 12-7 | 1130 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290 only - Testing? - Special sked? | CW | (JPL) |
| M89 | 7620 | 12-7 | 1130 | Mon | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350 MON | CW | (JPL) |
| M89 | 8290 | 12-7 | 1130 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 only - Testing? - Special sked? | CW | (JPL) |
| M89 | 8350 | 12-7 | 1130 | Mon | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620 | CW | (JPL) |
| M89 | 8067 | 12-7 | 1133 | Mon | VV HNS8 DE CL7Y K R QSA 3 HR WK NR 171 K NILNIL SK GB | CW | (JPL) |
| M89 | 6840 | 12-7 | 1140 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) Testing? - Special sked? | CW | (JPL) |
| M89 | 4235 | 12-7 | 1143 | Mon | i.p. 464T 534N 437A T5UN UATD U4DN 67NT ... | CW | (JPL) |
| M89 | 4228 | 12-7 | 1144 | Mon | i.p. 45U5 75D5 NU34 A36T 73TN A7N7 AR 3AAN U7AU (Cont/Ed repeat groups) | CW | (JPL) |
| M89 | 4728 | 12-7 | 1200 | Mon | V GAD(x3) DE CCE (x2) (R5) QSA ? QSV K / | CW | (JPL) |
| M89 | 5164 | 12-7 | 1205 | Mon | i.p. QSY 03 QSY 03 VVV | CW | (JPL) |
| M89 | 4531 | 12-7 | 1208 | Mon | i.p. 6V6N FFF NR 212 EEEE NR 2152/EX 2018 = TJK5/M4S7 AR | CW | (JPL) |
| M89 | 5697 | 12-7 | 1214 | Mon | i.p. RPT K R HR WK NR 23 K R GA K | CW | (JPL) |
| M89 | 4576 | 12-7 | 1217 | Mon | i.p. QSY 5 QSY 5 VVV (Exercise message) | CW | (JPL) |
| M89 | 6840 | 12-7 | 1240 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) Testing? - Special sked? | CW | (JPL) |
| M89 | 4728 | 12-7 | 1300 | Mon | V GAS(x3) DE FND (x2) (R5) QSA ? QSV K / | CW | (JPL) |
| M89 | 5343 | 12-7 | 1305 | Mon | i.p. R U MSG GA K | CW | (JPL) |
| M89 | 5431 | 12-7 | 1305 | Mon | i.p. DA3N D4AT 5N74 7U46 ... | CW | (JPL) |
| M89 | 5325 | 12-7 | 1307 | Mon | i.p. RMKS CQ = TDN5 UT64 43A6 7UN. A463 U57T ... | CW | (JPL) |

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| M89 | 5372 | 12-7 | 1309 | Mon | i.p. 21 2100 RMKS 6192128 TO 6192129 = AN63 4D54 A753 3N7D DT7A DNAT U63N 56A4 5TAU T7DU ... | CW | (JPL) |
| M89 | 5178 | 12-7 | 1310 | Mon | i.p. UAN6 5TU6 DT46 53N7 T3UD DUN5 ... | CW | (JPL) |
| M89 | 5123 | 12-7 | 1312 | Mon | i.p. 05 0 F/72Z2 9 0 = = 373.74../800 I= N VVV 2SJA DE DLP2 VVV | CW | (JPL) |
| M89 | 3850 | 12-7 | 1920 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4620, 4860, 5640, 6320, 6840 | CW | (JPL) |
| M89 | 4620 | 12-7 | 1920 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4860and 5640 , 6320, 6840 | CW | (JPL) |
| M89 | 4860 | 12-7 | 1920 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 5640, 6320, 6840/ | CW | (JPL) |
| M89 | 5640 | 12-7 | 1920 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 4860, 6320, 6840 | CW | (JPL) |
| M89 | 6320 | 12-7 | 1920 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 4860, 5640, 6840 | CW | (JPL) |
| M89 | 6840 | 12-7 | 1920 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850, 4620, 4860, 5640, 6320 | CW | (JPL) |
| M89 | 4720 | 12-7 | 1930 | Mon | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150/ | CW | (JPL) |
| M89 | 4860 | 12-7 | 1930 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 only | CW | (JPL) |
| M89 | 5150 | 12-7 | 1930 | Mon | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 6840 | 12-7 | 1930 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 only - Testing? - Special sked? | CW | (JPL) |
| M89 | 3565 | 12-7 | 1938 | Mon | V BSA5 (x3) DE TP4C (x2) //4718 | CW | (JPL) |
| M89 | 4718 | 12-7 | 1938 | Mon | V BSA5 (x3) DE TP4C (x2) //3565 | CW | (JPL) |
| M89 | 6840 | 12-7 | 1940 | Mon | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) Testing | CW | (JPL) |
| M89 | 9123 | 15-7 | 1053 | Thu | i.p. RMKS 45.59.0 TO 454.969 = S2GST/FGJ. AR K R U 7G GA K R GA K | CW | (JPL) |
| M89 | 4720 | 15-7 | 1530 | Thu | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150 | CW | (JPL) |
| M89 | 4860 | 15-7 | 1530 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 only - Testing? | CW | (JPL) |
| M89 | 5150 | 15-7 | 1530 | Thu | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720 | CW | (JPL) |
| M89 | 6840 | 15-7 | 1530 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 only - Testing? | CW | (JPL) |
| M89 | 6840 | 15-7 | 1540 | Thu | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) Testing? | CW | (JPL) |
| M89 | 3565 | 15-7 | 1557 | Thu | V BSA5 (x3) DE TP4C (x2) //4718 | CW | (JPL) |
| M89 | 4718 | 15-7 | 1557 | Thu | V BSA5 (x3) DE TP4C (x2) //3565 | CW | (JPL) |
| M89 | 4718 | 17-7 | 1128 | Sat | V BSA5 (x3) DE TP4C (x2) //6378 and 7045 | CW | (JPL) |
| M89 | 6378 | 17-7 | 1128 | Sat | V BSA5 (x3) DE TP4C (x2) //4718 and 7045 | CW | (JPL) |
| M89 | 7045 | 17-7 | 1128 | Sat | V BSA5 (x3) DE TP4C (x2) //4718 and 6378 | CW | (JPL) |
| M89 | 6840 | 17-7 | 1130 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290 only | CW | (JPL) |
| M89 | 7620 | 17-7 | 1130 | Sat | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350 | CW | (JPL) |
| M89 | 8290 | 17-7 | 1130 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 only - Testing? | CW | (JPL) |
| M89 | 8350 | 17-7 | 1130 | Sat | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620 | CW | (JPL) |
| M89 | 6840 | 17-7 | 1230 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290 only | CW | (JPL) |
| M89 | 8290 | 17-7 | 1230 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 only - Testing? | CW | (JPL) |
| M89 | 5742 | 17-7 | 1240 | Sat | i.p. 4A5N AU46 7DT3 37N6 5TU4 A37T ... | CW | (JPL) |
| M89 | 6840 | 17-7 | 1240 | Sat | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) Testing? | CW | (JPL) |
| M89 | 5751 | 17-7 | 1245 | Sat | i.p. R H8LW R QSL 2042 K R H2.. QSL 2043 K R EH3R QSL 2042 K R .5K. QSL 2042 K (Two stations doubled | CW | (JPL) |
| M89 | 7860 | 19-7 | 1142 | Mon | i.p. R R RPT 11W = 2774 AR K R RPT 40W = 9702 AR K R R K R R GA K | CW | (JPL) |
| M89 | 7621 | 19-7 | 1144 | Mon | i.p. 57TU D654 T7NA 7T6T NAT4 A7TU A356 FF NR 317/EX 1944 = | CW | (JPL) |
| M89 | 3967 | 19-7 | 1204 | Mon | i.p. K6QG FF NR 1379/EX 2003 = S7W3/N3U7 AR | CW | (JPL) |
| M89 | 5421 | 19-7 | 1210 | Mon | i.p. F NR 1381/EX 2009 = V95/8.. AR QSY 10 QSY 10 VVV | CW | (JPL) |

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|-----|--------|------|------|---------|---------------------------------------------------------------------------------------------------|----|-------|
| M89 | 5823 | 19-7 | 1214 | Mon | i.p. AR QSY 22 QSY 22 VV (end of Exercise message) | CW | (JPL) |
| M89 | 6312 | 19-7 | 1215 | Mon | i.p. 15 = ../T3SB AR F NR 1752/EX 2015 = D..1/T3SB AR | CW | (JPL) |
| M89 | 6667 | 19-7 | 1219 | Mon | i.p. 34U5 ATD3 7UN4 6N5A T7UD N63D 7T45 3U64 ... | CW | (JPL) |
| M89 | 7160 | 19-7 | 1220 | Mon | i.p. = ABM./D3F4 AR NR .069/EX 2018 = A63./D3F4 AR | CW | (JPL) |
| M89 | 4002 | 19-7 | 1226 | Mon | i.p. /EX 2024 = R1P3/W0E8 AR QSY 29 QSY 29 VVV | CW | (JPL) |
| M89 | 3964.5 | 19-7 | 1229 | Mon | i.p. VVV (x2) N6O (X3) DE (x2) KEM (x2) | CW | (JPL) |
| M89 | 3968 | 25-7 | 1731 | Sun | V YHxD (x3) DE SAQC (x2) //6936 | CW | (JPL) |
| M89 | 6936 | 25-7 | 1731 | Sun | V YHxD (x3) DE SAQC (x2) //3968 | CW | (JPL) |
| M89 | 7045 | 27-7 | 2317 | Tue | V BSA5 (x3) DE TP4C (x2) | CW | (JPL) |
| M89 | 5640 | 27-7 | 2330 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6320, 6840, 8290, 8360 | CW | (JPL) |
| M89 | 6320 | 27-7 | 2330 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6840, 8290, 8360 | CW | (JPL) |
| M89 | 6840 | 27-7 | 2330 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6320, 8290, 8360 | CW | (JPL) |
| M89 | 7620 | 27-7 | 2330 | Tue | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350 | CW | (JPL) |
| M89 | 8290 | 27-7 | 2330 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6320, 6840, 8360 | CW | (JPL) |
| M89 | 8350 | 27-7 | 2330 | Tue | V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620 | CW | (JPL) |
| M89 | 8360 | 27-7 | 2330 | Tue | VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //5640, 6320, 6840, 8290 | CW | (JPL) |
| M95 | 5479 | 3-7 | 1126 | Sat | V YHxD (x3) DE SAQC (x2) //10722 | CW | (JPL) |
| M95 | 10722 | 3-7 | 1126 | Sat | V YHxD (x3) DE SAQC (x2) //5479 | CW | (JPL) |
| M95 | 8073 | 3-7 | 1137 | Sat | V BNGC (x3) DE XSV85 (x2) HR 7G GA PSE CY NR 0478 CK 200 35 0703 1556 = | CW | (JPL) |
| M95 | 4243 | 3-7 | 1151 | Sat | V HR MSG TO YR PSE CY NR .. CK 203 35 07 03 1551 = UTU TT3 3U6 3A4 ... //9054 | CW | (JPL) |
| M95 | 9054 | 3-7 | 1151 | Sat | V HR MSG TO YR PSE CY NR .. CK 203 35 07 03 1551 = UTU TT3 3U6 3A4 ... //4243 | CW | (JPL) |
| M95 | 3968 | 3-7 | 1742 | Sat | V YHxD (x3) DE SAQC (x2) //6936 | CW | (JPL) |
| M95 | 6936 | 3-7 | 1742 | Sat | V YHxD (x3) DE SAQC (x2) //3968 | CW | (JPL) |
| M95 | 3968 | 11-7 | 1717 | Sun | V YHxD (x3) DE SAQC (x2) //6936 | CW | (JPL) |
| M95 | 6936 | 11-7 | 1717 | Sun | V YHxD (x3) DE SAQC (x2) //3968 | CW | (JPL) |
| M95 | 4364 | 12-7 | 1137 | Mon | V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0515 CK 220 35 0712 1544 = //8073 | CW | (JPL) |
| M95 | 8073 | 12-7 | 1137 | Mon | V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0515 CK 220 35 0712 1544 = //4364 | CW | (JPL) |
| M95 | 4243 | 12-7 | 1151 | VV H | R 7G TO YR PSE CY NR 02 CK 39 49 0712 1500 = UA6 U46 N65 N45 D36 T4D ... //9054 | CW | (JPL) |
| M95 | 9054 | 12-7 | 1151 | VV H | R 7G TO YR PSE CY NR 02 CK 39 49 0712 1500 = UA6 U46 N65 N45 D36 T4D ... //4243 | CW | (JPL) |
| M95 | 4243 | 12-7 | 1224 | Mon | i.p. AR A HR 7G GA NR 040 CK 70 35 0712 1801 = 5AA UTT TAU 3U6 3A4 5T7 5TD 75U 353 N3D ... //9054 | CW | (JPL) |
| M95 | 9054 | 12-7 | 1224 | Mon | i.p. AR A HR 7G GA NR 040 CK 70 35 0712 1801 = 5AA UTT TAU 3U6 3A4 5T7 5TD 75U 353 N3D ... //4243 | CW | (JPL) |
| M95 | 3968 | 12-7 | 1956 | Mon | V YHxD (x3) DE SAQC (x2) | CW | (JPL) |
| M95 | 5479 | 15-7 | 1956 | Thu | V YHxD (x3) DE SAQC (x2) //10722 | CW | (JPL) |
| M95 | 10722 | 15-7 | 1956 | Thu | V YHxD (x3) DE SAQC (x2) //5479 | CW | (JPL) |
| M95 | 4364 | 17-7 | 1142 | Sat | V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0526 CK 36 35 0717 1656 = //8073 | CW | (JPL) |
| M95 | 8073 | 17-7 | 1142 | Sat | V BNGC (x3) DE XSV85 (x2) HR MSG GA PSE CY NR 0526 CK 36 35 0717 1656 = //4364 | CW | (JPL) |
| M95 | 4243 | 17-7 | 1149 | Sat | AR A HR 7G GA NR 34 CK 076 35 0717 1555 = TUU TA7 3U6 3A4 TTU N44 TT3 N44 TT5 N44 ... | CW | (JPL) |
| M95 | 9054 | 17-7 | 1149 | Sat | AR A HR 7G GA NR 34 CK 076 35 0717 1555 = TUU TA7 3U6 3A4 TTU N44 TT3 N44 TT5 N44 ... | CW | (JPL) |

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|-----|---------|------|------|-----|-----------------------------------------------------------------------------------------------|----|-------|
| M95 | 5600 | 17-7 | 1249 | Sat | i.p. WBPY DE XK9I QSA ? K R SGQ3 DE ZKNI QSA 3 R QSA 3 IEC = 1235 AR K | CW | (JPL) |
| M95 | 5479 | 21-7 | 1028 | Wed | RMKS 9673 TO 9967 = CL/1900/Z=/9673/9967 AR AGN NR 1041830 ... V YHDX DE SAQC //10722 | CW | (JPL) |
| M95 | 10722 | 21-7 | 1028 | Wed | RMKS 9673 TO 9967 = CL/1900/Z=/9673/9967 AR AGN NR 1041830 ... V YHDX DE SAQC //479 | CW | (JPL) |
| M95 | 8073 | 22-7 | 1146 | Thu | V BNGC (x3) DE XSV85 (x2) HR 7GS GA PSE CY NR 0563 CK 35 35 0722 1529 = ... (sent 3 messages) | CW | (JPL) |
| M95 | 9054 | 22-7 | 1158 | Thu | AR 7G AGN NR 44 CK 112 35 0722 1518 = UTU TU. 3U6 3A4 TTU 773 353 U4T 354 4T7 445 ... | CW | (JPL) |
| M95 | 3565 | 25-7 | 1741 | Sun | V BSA5 (x3) DE TP4C (x2) //4718 | CW | (JPL) |
| M95 | 4718 | 25-7 | 1741 | Sun | V BSA5 (x3) DE TP4C (x2) //3565 | CW | (JPL) |
| MX | 7222.5 | 22-7 | 0943 | Thu | Beacon V | CW | (ES) |
| MX | 7222.5 | 23-7 | 0521 | Fri | Beacon V | CW | (ES) |
| MX | 7222.5 | 27-7 | 1139 | Tue | Beacon V | CW | (ES) |
| MX | 16331.7 | 27-7 | 1619 | Tue | Beacon D, Sevastopol | CW | (CL) |
| MX | 16331.8 | 27-7 | 1619 | Tue | Beacon P, Kaliningrad | CW | (CL) |
| MX | 16331.9 | 27-7 | 1619 | Tue | Beacon S, Sevoromorsk | CW | (CL) |
| MX | 13527.7 | 28-7 | 0755 | Wed | Beacon D, Sevastopol | CW | (AB) |
| MX | 13527.8 | 28-7 | 0755 | Wed | Beacon P, Kaliningrad | CW | (AB) |
| MX | 13527.9 | 28-7 | 0755 | Wed | Beacon S, Sevoromorsk | CW | (AB) |
| MX | 13528.1 | 28-7 | 0755 | Wed | Beacon A, Astrakhan | CW | (AB) |
| MX | 16331.7 | 28-7 | 0755 | Wed | Beacon D, Sevastopol | CW | (AB) |
| MX | 16332.1 | 28-7 | 0755 | Wed | Beacon A, Astrakhan | CW | (AB) |
| MX | 20048.1 | 28-7 | 0755 | Wed | Beacon A, Astrakhan | CW | (AB) |
| MX | 10871.7 | 28-7 | 0758 | Wed | Beacon D, Sevastopol | CW | (AB) |
| MX | 10871.9 | 28-7 | 0758 | Wed | Beacon S, Sevoromorsk | CW | (AB) |
| MX | 10872.1 | 28-7 | 0758 | Wed | Beacon A, Astrakhan | CW | (AB) |
| MX | 7508.7 | 28-7 | 0808 | Wed | Beacon D, Sevastopol | CW | (AB) |
| MX | 7508.8 | 28-7 | 0808 | Wed | Beacon P, Kaliningrad | CW | (AB) |
| MX | 8497.8 | 28-7 | 0808 | Wed | Beacon L, St Petersburg | CW | (AB) |
| MX | 5153.8 | 28-7 | 0811 | Wed | Beacon P, Kaliningrad | CW | (AB) |
| MX | 7222.5 | 28-7 | 1018 | Wed | Beacon V | CW | (ES) |
| MX | 10871.7 | 28-7 | 1929 | Wed | Beacon D, Sevastopol | CW | (CL) |
| MX | 10872.1 | 28-7 | 1929 | Wed | Beacon A, Astrakhan | CW | (CL) |
| MX | 13528.1 | 30-7 | 1914 | Fri | Beacon A, Astrakhan | CW | (CL) |
| MX | 13527.8 | 31-7 | 0545 | Sat | Beacon P, Kaliningrad | CW | (AB) |
| MX | 16331.7 | 31-7 | 0545 | Sat | Beacon D, Sevastopol | CW | (AB) |
| MX | 16332.1 | 31-7 | 0545 | Sat | Beacon A, Astrakhan | CW | (AB) |
| MX | 16332.3 | 31-7 | 0545 | Sat | Beacon K, Petropavlovsk Kamchatskiy | CW | (AB) |
| MX | 16332.4 | 31-7 | 0545 | Sat | Beacon N, Magadan | CW | (AB) |
| MX | 13527.7 | 31-7 | 0550 | Sat | Beacon D, Sevastopol | CW | (AB) |
| MX | 13527.9 | 31-7 | 0550 | Sat | Beacon S, Sevoromorsk | CW | (AB) |
| MX | 10871.7 | 31-7 | 0551 | Sat | Beacon D, Sevastopol | CW | (AB) |
| MX | 8497.8 | 31-7 | 0553 | Sat | Beacon L, St Petersburg | CW | (AB) |
| MX | 7508.7 | 31-7 | 0554 | Sat | Beacon D, Sevastopol | CW | (AB) |
| MX | 7508.8 | 31-7 | 0554 | Sat | Beacon P, Kaliningrad | CW | (AB) |

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|-------------|---------|------|------|-----|-----------------------|------------------|----------|
| MX | 5153.8 | 31-7 | 0555 | Sat | Beacon P, Kaliningrad | CW | (AB) |
| MX | 10048.1 | 31-7 | 0643 | Sat | Beacon A, Astrakhan | CW | (AB) |
| MX | 7507.7 | 31-7 | 2023 | Sat | Beacon D, Sevastopol | CW | (CL) |
| MX | 10871.8 | 31-7 | 2104 | Sat | Beacon P, Kaliningrad | CW | (CL) |
| MX | 10872.1 | 31-7 | 2104 | Sat | Beacon A, Astrakhan | CW | (CL) |
| P03e | 14415 | 2-7 | 1440 | Fri | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 2-7 | 1445 | Fri | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 4-7 | 1440 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB/MPJ) |
| P03e | 14415 | 4-7 | 1445 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB/MPJ) |
| P03e | 5149 | 4-7 | 1725 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 5149 | 4-7 | 1730 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 5149 | 6-7 | 1725 | Tue | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 5149 | 6-7 | 1730 | Tue | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 9-7 | 1440 | Fri | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 9-7 | 1445 | Fri | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 11-7 | 1440 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 11-7 | 1445 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 5149 | 11-7 | 1725 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 5149 | 11-7 | 1730 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 5149 | 13-7 | 1725 | Tue | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 5149 | 13-7 | 1730 | Tue | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 16-7 | 1440 | Fri | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 16-7 | 1445 | Fri | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 18-7 | 1440 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB/MPJ) |
| P03e | 14415 | 18-7 | 1445 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB/MPJ) |
| P03e | 5149 | 18-7 | 1725 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB/MPJ) |
| P03e | 5149 | 18-7 | 1730 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB/MPJ) |
| P03e | 5149 | 20-7 | 1725 | Tue | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 5149 | 20-7 | 1730 | Tue | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 23-7 | 1440 | Fri | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 23-7 | 1445 | Fri | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 25-7 | 1440 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 25-7 | 1445 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 5149 | 25-7 | 1725 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 5149 | 25-7 | 1730 | Sun | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 5149 | 27-7 | 1725 | Tue | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 5149 | 27-7 | 1730 | Tue | Polish intel. | QPSK 100Bd/488bp | (AB) |
| P03e | 14415 | 30-7 | 1440 | Fri | Polish intel. | QPSK 100Bd/488bp | (AB/MPJ) |
| P03e | 14415 | 30-7 | 1445 | Fri | Polish intel. | QPSK 100Bd/488bp | (AB/MPJ) |
| P03f | 13537 | 5-7 | 0530 | Mon | Polish intel. | QPSK 200Bd/496bp | (AB) |
| P03f | 13537 | 5-7 | 0535 | Mon | Polish intel. | QPSK 200Bd/496bp | (AB) |
| P03f | 13537 | 12-7 | 0530 | Mon | Polish intel. | QPSK 200Bd/496bp | (AB) |

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|------|-------|------|------|-----|---------------|-------------------|----------|
| P03f | 13537 | 12-7 | 0535 | Mon | Polish intel. | QPSK 200Bd/496bp | (AB) |
| P03f | 13537 | 19-7 | 0530 | Mon | Polish intel. | QPSK 200Bd/496bp | (AB) |
| P03f | 13537 | 19-7 | 0535 | Mon | Polish intel. | QPSK 200Bd/496bp | (AB) |
| P03f | 13537 | 21-7 | 0530 | Wed | Polish intel. | QPSK 200Bd/496bp | (AB) |
| P03f | 13537 | 21-7 | 0535 | Wed | Polish intel. | QPSK 200Bd/496bp | (AB) |
| P03f | 13537 | 26-7 | 0530 | Mon | Polish intel. | QPSK 200Bd/496bp | (AB) |
| P03f | 13537 | 26-7 | 0535 | Mon | Polish intel. | QPSK 200Bd/496bp | (AB) |
| P03f | 13537 | 28-7 | 0530 | Wed | Polish intel. | QPSK 200Bd/496bp | (AB) |
| P03f | 13537 | 28-7 | 0535 | Wed | Polish intel. | QPSK 200Bd/496bp | (AB) |
| P03j | 16335 | 2-7 | 1330 | Fri | Polish intel. | QPSK 100Bd/504-bp | (AB/MPJ) |
| P03j | 16335 | 2-7 | 1335 | Fri | Polish intel. | QPSK 100Bd/504-bp | (AB/MPJ) |
| P03j | 16335 | 7-7 | 1330 | Wed | Polish intel. | QPSK 100Bd/504-bp | (AB/MPJ) |
| P03j | 16335 | 7-7 | 1335 | Wed | Polish intel. | QPSK 100Bd/504-bp | (AB/MPJ) |
| P03j | 16335 | 9-7 | 1330 | Fri | Polish intel. | QPSK 100Bd/504-bp | (AB) |
| P03j | 16335 | 9-7 | 1335 | Fri | Polish intel. | QPSK 100Bd/504-bp | (AB) |
| P03j | 16335 | 16-7 | 1330 | Fri | Polish intel. | QPSK 100Bd/504-bp | (AB) |
| P03j | 16335 | 16-7 | 1335 | Fri | Polish intel. | QPSK 100Bd/504-bp | (AB) |
| P03j | 16335 | 21-7 | 1330 | Wed | Polish intel. | QPSK 100Bd/504-bp | (AB/MPJ) |
| P03j | 16335 | 21-7 | 1335 | Wed | Polish intel. | QPSK 100Bd/504-bp | (AB/MPJ) |
| P03j | 16335 | 23-7 | 1330 | Fri | Polish intel. | QPSK 100Bd/504-bp | (AB) |
| P03j | 16335 | 23-7 | 1335 | Fri | Polish intel. | QPSK 100Bd/504-bp | (AB) |
| P03j | 16335 | 28-7 | 1330 | Wed | Polish intel. | QPSK 100Bd/504-bp | (AB) |
| P03j | 16335 | 28-7 | 1335 | Wed | Polish intel. | QPSK 100Bd/504-bp | (AB) |
| P03j | 16335 | 30-7 | 1330 | Fri | Polish intel. | QPSK 100Bd/504-bp | (AB/MPJ) |
| P03j | 16335 | 30-7 | 1335 | Fri | Polish intel. | QPSK 100Bd/504-bp | (AB/MPJ) |
| P03k | 11420 | 2-7 | 0530 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 11420 | 2-7 | 0535 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 9130 | 2-7 | 1500 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 9130 | 2-7 | 1505 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 13873 | 3-7 | 1140 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 13873 | 3-7 | 1145 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 12385 | 4-7 | 1410 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 12385 | 4-7 | 1415 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 9130 | 4-7 | 1500 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 9130 | 4-7 | 1505 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 12385 | 5-7 | 1410 | Mon | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 12385 | 5-7 | 1415 | Mon | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 13873 | 6-7 | 1140 | Tue | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 13873 | 6-7 | 1145 | Tue | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 16125 | 7-7 | 1600 | Wed | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 16125 | 7-7 | 1605 | Wed | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 11420 | 9-7 | 0530 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |

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|------|-------|------|------|-----|---------------|------------------|-----------|
| P03k | 11420 | 9-7 | 0535 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 9130 | 9-7 | 1500 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 9130 | 9-7 | 1505 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 13873 | 10-7 | 1140 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 13873 | 10-7 | 1145 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 16125 | 10-7 | 1600 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 16125 | 10-7 | 1600 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 12385 | 11-7 | 1410 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 12385 | 11-7 | 1415 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 9130 | 11-7 | 1500 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 9130 | 11-7 | 1505 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 12385 | 12-7 | 1410 | Mon | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 12385 | 12-7 | 1415 | Mon | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 13873 | 13-7 | 1140 | Tue | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 13873 | 13-7 | 1145 | Tue | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 16125 | 14-7 | 1600 | Wed | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 16125 | 14-7 | 1600 | Wed | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 11420 | 16-7 | 0530 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 11420 | 16-7 | 0535 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 9130 | 16-7 | 1500 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 9130 | 16-7 | 1505 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 13873 | 17-7 | 1140 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 13873 | 17-7 | 1145 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 16125 | 17-7 | 1600 | Sat | Polish intel. | BPSK 100Bd/480bp | (MPJ-POL) |
| P03k | 16125 | 17-7 | 1600 | Sat | Polish intel. | BPSK 100Bd/480bp | (MPJ-POL) |
| P03k | 12385 | 18-7 | 1410 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 12385 | 18-7 | 1415 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 9130 | 18-7 | 1500 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 9130 | 18-7 | 1505 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 12385 | 19-7 | 1410 | Mon | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 12385 | 19-7 | 1415 | Mon | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 13873 | 20-7 | 1140 | Tue | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 13873 | 20-7 | 1145 | Tue | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 16125 | 21-7 | 1600 | Wed | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 16125 | 21-7 | 1600 | Wed | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 11420 | 23-7 | 0530 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 11420 | 23-7 | 0535 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 9130 | 23-7 | 1500 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 9130 | 23-7 | 1505 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 13873 | 24-7 | 1140 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 13873 | 24-7 | 1145 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 16125 | 24-7 | 1600 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |

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|------|-------|------|------|-----|------------------------|----------------------|----------|
| P03k | 16125 | 24-7 | 1600 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 11420 | 25-7 | 0530 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 11420 | 25-7 | 0535 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 6814 | 25-7 | 0630 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 6814 | 25-7 | 0635 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 12385 | 25-7 | 1410 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 12385 | 25-7 | 1415 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 9130 | 25-7 | 1500 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 9130 | 25-7 | 1505 | Sun | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 12385 | 26-7 | 1410 | Mon | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 12385 | 26-7 | 1415 | Mon | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 13873 | 27-7 | 1140 | Tue | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 13873 | 27-7 | 1145 | Tue | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 16125 | 28-7 | 1600 | Wed | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 16125 | 28-7 | 1600 | Wed | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 11420 | 30-7 | 0530 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 11420 | 30-7 | 0535 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 9130 | 30-7 | 1500 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 9130 | 30-7 | 1505 | Fri | Polish intel. | BPSK 100Bd/480bp | (AB/MPJ) |
| P03k | 6814 | 31-7 | 0630 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 6814 | 31-7 | 0635 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 13873 | 31-7 | 1140 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 13873 | 31-7 | 1145 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 16125 | 31-7 | 1600 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03k | 16125 | 31-7 | 1600 | Sat | Polish intel. | BPSK 100Bd/480bp | (AB) |
| P03I | 8597 | 4-7 | 1120 | Sun | Polish intel. | QPSK 100Bd/464bp | (AB) |
| P03I | 8597 | 4-7 | 1125 | Sun | Polish intel. | QPSK 100Bd/464bp | (AB) |
| P03I | 8597 | 7-7 | 1120 | Wed | Polish intel. | QPSK 100Bd/464bp | (AB/MPJ) |
| P03I | 8597 | 7-7 | 1125 | Wed | Polish intel. | QPSK 100Bd/464bp | (AB/MPJ) |
| P03I | 8597 | 11-7 | 1120 | Sun | Polish intel. | QPSK 100Bd/464bp | (AB) |
| P03I | 8597 | 11-7 | 1125 | Sun | Polish intel. | QPSK 100Bd/464bp | (AB) |
| P03I | 8597 | 14-7 | 1120 | Wed | Polish intel. | QPSK 100Bd/464bp | (AB) |
| P03I | 8597 | 14-7 | 1125 | Wed | Polish intel. | QPSK 100Bd/464bp | (AB) |
| P03I | 8597 | 18-7 | 1120 | Sun | Polish intel. | QPSK 100Bd/464bp | (AB/MPJ) |
| P03I | 8597 | 18-7 | 1125 | Sun | Polish intel. | QPSK 100Bd/464bp | (AB/MPJ) |
| P03I | 8597 | 21-7 | 1120 | Wed | Polish intel. | QPSK 100Bd/464bp | (AB) |
| P03I | 8597 | 21-7 | 1125 | Wed | Polish intel. | QPSK 100Bd/464bp | (AB) |
| P03I | 8597 | 25-7 | 1120 | Sun | Polish intel. | QPSK 100Bd/464bp | (AB) |
| P03I | 8597 | 25-7 | 1125 | Sun | Polish intel. | QPSK 100Bd/464bp | (AB) |
| P03I | 8597 | 28-7 | 1120 | Wed | Polish intel. | QPSK 100Bd/464bp | (AB) |
| P03I | 8597 | 28-7 | 1125 | Wed | Polish intel. | QPSK 100Bd/464bp | (AB) |
| Q26 | 8073 | 3-7 | 1133 | Sat | XSV85 sending messages | 4+4 QPSK 75/3000 LSB | (JPL) |

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|------------|-------|------|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------|
| Q26 | 4243 | 3-7 | 1142 | Sat | Messages //9054 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 9054 | 3-7 | 1142 | Sat | Messages //4243 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 4243 | 12-7 | 1034 | Mon | Chinese voice and Q26 mixing //9054 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 9054 | 12-7 | 1034 | Mon | Chinese voice and Q26 mixing //4243 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 4364 | 12-7 | 1131 | Mon | XSV85: messages //8073 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 8073 | 12-7 | 1131 | Mon | XSV85: messages //4364 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 4243 | 12-7 | 1140 | Mon | Chinese voice and Q26 mixing //9054 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 9054 | 12-7 | 1140 | Mon | Chinese voice and Q26 mixing //4243 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 4243 | 12-7 | 1142 | Mon | Messages //9054 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 9054 | 12-7 | 1142 | Mon | Messages //4243 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 14553 | 14-7 | 0830 | Wed | 0039 98 51 0714 1514 FSZF---F7ZF=FSFF 1213 0030 6200 ... 0367 2138 4293 | 4+4 QPSK 75/3000 LSB | (EW) |
| Q26 | 4364 | 17-7 | 1132 | Sat | XSV85: messages //8073 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 8073 | 17-7 | 1132 | Sat | XSV85: messages //4364 | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 8073 | 22-7 | 1143 | Thu | XSV85: messages | 4+4 QPSK 75/3000 LSB | (JPL) |
| Q26 | 9054 | 22-7 | 1158 | Thu | Messages | 4+4 QPSK 75/3000 LSB | (JPL) |
| S06 | 11616 | 1-7 | 0400 | Thu | 480 632 51 94241 88293 31877 ... 33399 79400 45370 632 51 00000 | USB | (Subilo) |
| S06 | 9322 | 1-7 | 0420 | Thu | 480 632 51 94241 88293 31877 ... 33399 79400 45370 632 51 00000 | USB | (Subilo) |
| S06 | 11616 | 2-7 | 0400 | Fri | 480 517 63 05098 21431 24165 ... 75908 92838 67294 517 63 00000 | USB | (Subilo) |
| S06 | 9322 | 2-7 | 0420 | Fri | 480 517 63 05098 21431 24165 ... 75908 92838 67294 517 63 00000 | USB | (Subilo) |
| S06 | 9475 | 2-7 | 2000 | Fri | 768 768 768 000 | USB | (AB) |
| S06 | 7561 | 2-7 | 2100 | Fri | 768 768 768 000 | USB | (AB) |
| S06 | 9322 | 5-7 | 0420 | Mon | 480 392 54 56932 14046 65138 ... 39633 31704 88062 392 54 00000 | USB | (AB-RUS) |
| S06 | 11616 | 6-7 | 0400 | Tue | 480 671 53 99547 44556 48236 ... 61822 41844 96432 671 53 00000 | USB | (Subilo) |
| S06 | 9322 | 6-7 | 0420 | Tue | 480 671 53 99547 44556 48236 ... 61822 41844 96432 671 53 00000 | USB | (Subilo) |
| S06 | 11616 | 7-7 | 0400 | Wed | 480 925 61 67545 76412 15423 ... _____ 925 61 00000. Partly too weak to copy | USB | (PY) |
| S06 | 9322 | 7-7 | 0420 | Wed | 480 925 61 67545 76412 15423 ... _____ 925 61 00000. Partly too weak to copy | USB | (PY) |
| S06 | 9322 | 8-7 | 0420 | Thu | 480 261 53 11678 01811 07996 ... 67493 52533 26621 261 53 00000 | USB | (AB-J) |
| S06 | 15875 | 8-7 | 0830 | Thu | 842 307 45 93002 90685 06312 ... 47285 19620 11966 307 45 00000 | USB | (PY/HFD-RUS) |
| S06 | 13469 | 8-7 | 0930 | Thu | 842 307 45 93002 90685 06312 ... 47285 19620 11966 307 45 00000 | USB | (PY/HFD-RUS) |
| S06 | 11616 | 9-7 | 0400 | Fri | 480 357 61 14792 09047 40276 ... 24816 79692 78689 357 61 00000 | USB | (PY) |
| S06 | 9322 | 9-7 | 0420 | Fri | 480 357 61 14792 09047 40276 ... 24816 79692 78689 357 61 00000 | USB | (PY) |
| S06 | 11616 | 12-7 | 0400 | Mon | 480 961 53 76514 99823 19600 ... 40359 61528 20356 961 53 00000 | USB | (AB-J) |
| S06 | 9322 | 12-7 | 0420 | Mon | 480 961 53 76514 99823 19600 ... 40359 61528 20356 961 53 00000 | USB | (AB-J) |
| S06 | 11616 | 13-7 | 0400 | Tue | 480 735 52 71909 03913 19010 ... 25965 59690 61254 735 52 00000 Dirty signal, distorted voice | USB | (PY) |
| S06 | 9322 | 13-7 | 0420 | Tue | 480 735 52 71909 03913 19010 ... 25965 59690 61254 735 52 00000 | USB | (PY) |
| S06 | 11616 | 14-7 | 0400 | Wed | 480 629 51 43029 85850 02933 ... 43272 90176 92091 628 51 00000 | USB | (PY) |
| S06 | 9322 | 14-7 | 0420 | Wed | 480 629 51 43029 85850 02933 ... 43272 90176 92091 628 51 00000 | USB | (PY) |
| S06 | 11616 | 15-7 | 0400 | Thu | 480 135 54 25974 97137 08892 ... 93149 23876 17756 135 54 00000 Feedback during pauses and after voice transmission | USB | (PY) |
| S06 | 9322 | 15-7 | 0420 | Thu | 480 135 54 25974 97137 08892 ... 93149 23876 17756 135 54 00000 Feedback before and after voice transmission, and during pauses and between groups | USB | (PY) |
| S06 | 13469 | 15-7 | 0930 | Thu | 842 915 46 58712 64748 28958 ... 19098 78062 34063 915 46 00000 | USB | (PY) |

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|------|-------|------|------|-----|-----------------------------------------------------------------|-----|----------|
| S06 | 11616 | 16-7 | 0400 | Fri | 480 279 56 47454 10864 28026 ... 59607 27099 41834 279 56 00000 | USB | (AB-J) |
| S06 | 9322 | 16-7 | 0420 | Fri | 480 279 56 47454 10864 28026 ... 59607 27099 41834 279 56 00000 | USB | (AB-J) |
| S06 | 15875 | 16-7 | 0830 | Fri | 842 915 46 58712 64748 28958 ... 19098 78062 34063 915 46 00000 | USB | (PY) |
| S06 | 13469 | 16-7 | 0930 | Fri | 842 915 46 58712 64748 28958 ... 19098 78062 34063 915 46 00000 | USB | (PY) |
| S06 | 9475 | 16-7 | 2000 | Fri | 768 768 768 00000 | USB | (AB) |
| S06 | 7561 | 16-7 | 2100 | Fri | 768 768 768 00000 | USB | (AB) |
| S06 | 11616 | 19-7 | 0400 | Mon | 480 315 54 82748 42820 73166 ... 68238 96428 07521 315 54 00000 | USB | (AB-J) |
| S06 | 9322 | 19-7 | 0420 | Mon | 480 315 54 82748 42820 73166 ... 68238 96428 07521 315 54 00000 | USB | (AB-J) |
| S06 | 11616 | 20-7 | 0400 | Tue | 480 627 54 70616 69345 20258 ... 65709 05058 88603 627 54 00000 | USB | (PY) |
| S06 | 9322 | 20-7 | 0420 | Tue | 480 627 54 70616 69345 20258 ... 65709 05058 88603 627 54 00000 | USB | (PY) |
| S06 | 11616 | 21-7 | 0400 | Wed | 480 931 52 40503 37305 39526 ... 26710 54534 90463 931 52 00000 | USB | (AB-J) |
| S06 | 9322 | 21-7 | 0420 | Wed | 480 931 52 40503 37305 39526 ... 26710 54534 90463 931 52 00000 | USB | (AB-J) |
| S06 | 15875 | 22-7 | 0830 | Thu | 842 360 47 87123 48191 65101 ... 66435 82180 64871 360 47 00000 | USB | (PY) |
| S06 | 13469 | 22-7 | 0930 | Thu | 842 360 47 87123 48191 65101 ... 66435 82180 64871 360 47 00000 | USB | (PY) |
| S06 | 11616 | 23-7 | 0400 | Fri | 480 257 61 92870 17545 67973 ... 25184 43036 99554 257 61 00000 | USB | (PY) |
| S06 | 9322 | 23-7 | 0420 | Fri | 480 963 52 98977 44574 95376 ... 72026 88689 05447 963 52 00000 | USB | (AB-J) |
| S06 | 9322 | 23-7 | 0420 | Fri | 480 257 61 92870 17545 67973 ... 25184 43036 99554 257 61 00000 | USB | (PY) |
| S06 | 15875 | 23-7 | 0830 | Fri | 842 360 47 87123 48191 65101 ... 66435 82180 64871 360 47 00000 | USB | (PY) |
| S06 | 13469 | 23-7 | 0930 | Fri | 842 360 47 87123 48191 65101 ... 66435 82180 64871 360 47 00000 | USB | (PY) |
| S06 | 11616 | 26-7 | 0400 | Mon | 480 151 63 49532 56910 44658 ... 47054 83184 93690 151 63 00000 | USB | (PY) |
| S06 | 9322 | 26-7 | 0420 | Mon | 480 151 63 49532 56910 44658 ... 47054 83184 93690 151 63 00000 | USB | (PY) |
| S06 | 11616 | 27-7 | 0400 | Tue | 480 267 52 91735 17521 81712 ... 17729 85581 64098 267 52 00000 | USB | (PY) |
| S06 | 9322 | 27-7 | 0420 | Tue | 480 267 52 91735 17521 81712 ... 17729 85581 64098 267 52 00000 | USB | (PY) |
| S06 | 11616 | 28-7 | 0400 | Wed | 480 393 51 74149 33386 74376 ... 94814 84963 98930 393 51 00000 | USB | (PY) |
| S06 | 9322 | 28-7 | 0420 | Wed | 480 393 51 74149 33386 74376 ... 94814 84963 98930 393 51 00000 | USB | (PY) |
| S06 | 11616 | 29-7 | 0400 | Thu | 480 572 63 38075 07573 58183 ... 55161 16985 83047 572 63 00000 | USB | (PY) |
| S06 | 9322 | 29-7 | 0420 | Thu | 480 572 63 38075 07573 58183 ... 55161 16985 83047 572 63 00000 | USB | (PY) |
| S06 | 15875 | 29-7 | 0830 | Thu | 842 159 48 51319 76665 59456 ... 48207 84307 13795 159 48 00000 | USB | (PY) |
| S06 | 13469 | 29-7 | 0930 | Thu | 842 159 48 51319 76665 59456 ... 48207 84307 13795 159 48 00000 | USB | (PY) |
| S06 | 11616 | 30-7 | 0400 | Fri | 480 169 52 80580 37628 13045 ... 58592 04186 72869 169 52 00000 | USB | (PY) |
| S06 | 9322 | 30-7 | 0420 | Fri | 480 169 52 80580 37628 13045 ... 58592 04186 72869 169 52 00000 | USB | (PY) |
| S06 | 15875 | 30-7 | 0830 | Fri | 842 159 48 51319 76665 59456 ... 48207 84307 13795 159 48 00000 | USB | (PY) |
| S06 | 13469 | 30-7 | 0930 | Fri | 842 159 48 51319 76665 59456 ... 48207 84307 13795 159 48 00000 | USB | (PY) |
| S06s | 11530 | 1-7 | 0730 | Thu | 172 498 5 11171 64385 82707 06123 22536 498 5 00000 | USB | (AB) |
| S06s | 14977 | 1-7 | 0740 | Thu | 172 498 5 11171 64385 82707 06123 22536 498 5 00000 | USB | (AB) |
| S06s | 9255 | 1-7 | 0930 | Thu | 698 247 5 96111 10544 98003 68909 45279 247 5 00000 | USB | (AB) |
| S06s | 10325 | 1-7 | 0940 | Thu | 698 247 5 96111 10544 98003 68909 45279 247 5 00000 | USB | (AB) |
| S06s | 13145 | 1-7 | 1200 | Thu | 175 438 6 47665 94092 48521 63888 92060 11749 438 6 00000 | USB | (AB/MPJ) |
| S06s | 14535 | 1-7 | 1210 | Thu | 175 438 6 47665 94092 48521 63888 92060 11749 438 6 00000 | USB | (AB/MPJ) |
| S06s | 10290 | 2-7 | 0830 | Fri | 156 892 7 33796 11160 43494 37638 16070 34140 36717 892 7 00000 | USB | (AB) |
| S06s | 9655 | 2-7 | 0840 | Fri | 156 892 7 33796 11160 43494 37638 16070 34140 36717 892 7 00000 | USB | (AB) |
| S06s | 6844 | 2-7 | 0900 | Fri | 239 817 5 40614 77249 40678 17976 22536 817 5 00000 | USB | (AB) |

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|------|-------|------|------|-----|--------------------------------------------------------------------------------|-----|----------|
| S06s | 7161 | 2-7 | 0910 | Fri | 239 817 5 40614 77249 40678 17976 22536 817 5 00000 | USB | (AB) |
| S06s | 12460 | 3-7 | 0800 | Sat | 132 804 5 68734 24316 57684 79734 23412 804 5 00000 | USB | (AB) |
| S06s | 10250 | 3-7 | 0810 | Sat | 132 804 5 68734 24316 57684 79734 23412 804 5 00000 | USB | (AB) |
| S06s | 16320 | 5-7 | 0630 | Mon | 462 975 8 88569 89617 25757 77159 95225 84090 09531 88430 975 8 00000 | USB | (AB) |
| S06s | 14875 | 5-7 | 0640 | Mon | 462 975 8 88569 89617 25757 77159 95225 84090 09531 88430 975 8 00000 | USB | (AB) |
| S06s | 8221 | 5-7 | 0830 | Mon | 764 925 8 96111 10544 98003 68909 45279 43828 55581 20044 925 8 00000 | USB | (AB) |
| S06s | 9353 | 5-7 | 0840 | Mon | 764 925 8 96111 10544 98003 68909 45279 43828 55581 20044 925 8 00000 | USB | (AB) |
| S06s | 16380 | 5-7 | 0900 | Mon | 232 480 5 26634 14690 95590 60386 03009 480 5 00000 | USB | (AB) |
| S06s | 14835 | 5-7 | 0910 | Mon | 232 480 5 26634 14690 95590 60386 03009 480 5 00000 | USB | (AB) |
| S06s | 10230 | 5-7 | 1200 | Mon | 149 873 6 21767 53672 11834 81022 36903 41412 873 6 00000 | USB | (AB/MPJ) |
| S06s | 12165 | 5-7 | 1210 | Mon | 149 873 6 21767 53672 11834 81022 36903 41412 873 6 00000 | USB | (AB/MPJ) |
| S06s | 15945 | 6-7 | 0600 | Tue | 438 297 5 46062 68672 97478 39685 30485 297 5 00000 | USB | (AB) |
| S06s | 16945 | 6-7 | 0610 | Tue | 438 297 5 46062 68672 97478 39685 30485 297 5 00000 | USB | (AB) |
| S06s | 5430 | 6-7 | 0700 | Tue | 452 890 6 57440 10597 23521 47660 92883 96802 890 6 00000 | USB | (AB) |
| S06s | 6780 | 6-7 | 0710 | Tue | 452 890 6 57440 10597 23521 47660 92883 96802 890 6 00000 | USB | (AB) |
| S06s | 7365 | 6-7 | 0730 | Tue | 427 913 5 88146 57856 98835 46186 16945 913 5 00000 Off at 0733z back at 0736z | USB | (AB) |
| S06s | 11655 | 6-7 | 0740 | Tue | 427 913 5 88146 57856 98835 46186 16945 913 5 00000 | USB | (AB) |
| S06s | 14373 | 6-7 | 0800 | Tue | 127 835 6 68672 97448 39685 30485 96632 53317 835 5 00000 | USB | (AB) |
| S06s | 12935 | 6-7 | 0810 | Tue | 127 835 6 68672 97448 39685 30485 96632 53317 835 5 00000 | USB | (AB) |
| S06s | 4820 | 6-7 | 1000 | Tue | 427 805 6 47665 93092 48521 63888 92060 11749 805 6 00000 | USB | (AB) |
| S06s | 5660 | 6-7 | 1010 | Tue | 427 805 6 47665 93092 48521 63888 92060 11749 805 6 00000 | USB | (AB) |
| S06s | 6810 | 6-7 | 1100 | Tue | 265 840 7 76342 54545 34140 78386 91497 84963 24162 840 7 00000 | USB | (AB) |
| S06s | 7560 | 6-7 | 1110 | Tue | 265 840 7 76342 54545 34140 78386 91497 84963 24162 840 7 00000 | USB | (AB) |
| S06s | 11565 | 7-7 | 0830 | Wed | 464 278 5 22264 54382 92703 06321 33468 278 5 00000 | AM | (AB) |
| S06s | 12560 | 7-7 | 0840 | Wed | 464 278 5 22264 54382 92703 06321 33468 278 5 00000 | AM | (AB) |
| S06s | 14580 | 7-7 | 1000 | Wed | 276 431 5 77821 14869 62733 77538 48223 431 5 00000 | USB | (AB) |
| S06s | 16020 | 7-7 | 1010 | Wed | 276 431 5 77821 14869 62733 77538 48223 431 5 00000 | USB | (AB) |
| S06s | 11530 | 8-7 | 0730 | Thu | 172 498 5 11171 64385 82707 06123 22536 498 5 00000 | USB | (AB) |
| S06s | 14977 | 8-7 | 0740 | Thu | 172 498 5 11171 64385 82707 06123 22536 498 5 00000 | USB | (AB) |
| S06s | 9255 | 8-7 | 0930 | Thu | 698 247 5 96111 10544 98003 68909 45279 247 5 00000 | USB | (AB) |
| S06s | 10325 | 8-7 | 0940 | Thu | 698 247 5 96111 10544 98003 68909 45279 247 5 00000 | USB | (AB) |
| S06s | 13145 | 8-7 | 1200 | Thu | 175 438 6 47665 94092 48521 63888 92060 11749 438 6 00000 | USB | (AB/MPJ) |
| S06s | 14535 | 8-7 | 1210 | Thu | 175 438 6 47665 94092 48521 63888 92060 11749 438 6 00000 | USB | (AB/MPJ) |
| S06s | 10290 | 9-7 | 0830 | Fri | 156 892 7 33796 11160 43494 37638 16070 34140 36717 892 7 00000 | USB | (AB) |
| S06s | 9655 | 9-7 | 0840 | Fri | 156 892 7 33796 11160 43494 37638 16070 34140 36717 892 7 00000 | USB | (AB) |
| S06s | 6844 | 9-7 | 0900 | Fri | 239 817 5 40614 77249 40678 17976 22536 817 5 00000 | USB | (AB) |
| S06s | 7161 | 9-7 | 0910 | Fri | 239 817 5 40614 77249 40678 17976 22536 817 5 00000 | USB | (AB) |
| S06s | 16320 | 12-7 | 0630 | Mon | 462 975 8 88569 89617 25757 77159 95225 84090 09531 88430 975 8 00000 | USB | (AB) |
| S06s | 14875 | 12-7 | 0640 | Mon | 462 975 8 88569 89617 25757 77159 95225 84090 09531 88430 975 8 00000 | USB | (AB) |
| S06s | 8221 | 12-7 | 0830 | Mon | 764 925 8 96111 10544 98003 68909 45279 43828 55581 20044 925 8 00000 | USB | (AB) |
| S06s | 9353 | 12-7 | 0840 | Mon | 764 925 8 96111 10544 98003 68909 45279 43828 55581 20044 925 8 00000 | USB | (AB) |
| S06s | 16380 | 12-7 | 0900 | Mon | 232 480 5 26634 14690 95590 60386 03009 480 5 00000 | USB | (AB) |

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|------|-------|------|------|-----|-----------------------------------------------------------------|-----|--------------|
| S06s | 14835 | 12-7 | 0910 | Mon | 232 480 5 26634 14690 95590 60386 03009 480 5 00000 | USB | (AB) |
| S06s | 10230 | 12-7 | 1200 | Mon | 149 873 6 21767 53672 11834 81022 36903 41412 873 6 00000 | USB | (AB/MPJ) |
| S06s | 12165 | 12-7 | 1210 | Mon | 149 873 6 21767 53672 11834 81022 36903 41412 873 6 00000 | USB | (AB/MPJ) |
| S06s | 15945 | 13-7 | 0600 | Tue | 438 297 5 46062 68672 97478 39685 30485 297 5 00000 | USB | (AB) |
| S06s | 16945 | 13-7 | 0610 | Tue | 438 297 5 46062 68672 97478 39685 30485 297 5 00000 | USB | (AB) |
| S06s | 5430 | 13-7 | 0700 | Tue | 452 890 6 57440 10597 23521 47660 92883 96802 890 6 00000 | USB | (AB) |
| S06s | 6780 | 13-7 | 0710 | Tue | 452 890 6 57440 10597 23521 47660 92883 96802 890 6 00000 | USB | (AB) |
| S06s | 7365 | 13-7 | 0730 | Tue | 427 913 5 88146 57856 98835 46186 16945 913 5 00000 | USB | (AB) |
| S06s | 11655 | 13-7 | 0740 | Tue | 427 913 5 88146 57856 98835 46186 16945 913 5 00000 | USB | (AB) |
| S06s | 14373 | 13-7 | 0800 | Tue | 127 835 6 68672 97448 39685 30485 96632 53317 835 5 00000 | USB | (AB) |
| S06s | 12935 | 13-7 | 0810 | Tue | 127 835 6 68672 97448 39685 30485 96632 53317 835 5 00000 | USB | (AB) |
| S06s | 4820 | 13-7 | 1000 | Tue | 427 805 6 47665 93092 48521 63888 92060 11749 805 6 00000 | USB | (AB-POL) |
| S06s | 5660 | 13-7 | 1010 | Tue | 427 805 6 47665 93092 48521 63888 92060 11749 805 6 00000 | USB | (AB) |
| S06s | 6810 | 13-7 | 1100 | Tue | 265 840 7 76342 54545 34140 78386 91497 84963 24162 840 7 00000 | USB | (AB/MPJ) |
| S06s | 7560 | 13-7 | 1110 | Tue | 265 840 7 76342 54545 34140 78386 91497 84963 24162 840 7 00000 | USB | (AB/MPJ) |
| S06s | 11565 | 14-7 | 0830 | Wed | 464 278 5 22264 54382 92703 06321 33468 278 5 00000 | AM | (AB) |
| S06s | 12560 | 14-7 | 0840 | Wed | 464 278 5 22264 54382 92703 06321 33468 278 5 00000 | AM | (AB) |
| S06s | 14580 | 14-7 | 1000 | Wed | 276 431 5 77821 14869 62733 77538 48223 431 5 00000 | USB | (AB) |
| S06s | 16020 | 14-7 | 1010 | Wed | 276 431 5 77821 14869 62733 77538 48223 431 5 00000 | USB | (AB) |
| S06s | 11530 | 15-7 | 0730 | Thu | 172 896 5 21767 53672 11834 81022 36903 896 5 00000 | USB | (AB) |
| S06s | 14977 | 15-7 | 0740 | Thu | 172 896 5 21767 53672 11834 81022 36903 896 5 00000 | USB | (AB) |
| S06s | 9255 | 15-7 | 0930 | Thu | 698 234 5 05899 50387 45847 23013 89758 234 5 00000 | USB | (AB) |
| S06s | 10325 | 15-7 | 0940 | Thu | 698 234 5 05899 50387 45847 23013 89758 234 5 00000 | USB | (AB) |
| S06s | 13145 | 15-7 | 1200 | Thu | 175 982 6 33796 13577 74526 46647 79302 53516 982 6 00000 | USB | (AB) |
| S06s | 14535 | 15-7 | 1210 | Thu | 175 982 6 33796 13577 74526 46647 79302 53516 982 6 00000 | USB | (AB) |
| S06s | 10290 | 16-7 | 0830 | Fri | 156 834 7 23013 89758 52343 79628 42432 56075 56281 834 7 00000 | USB | (AB) |
| S06s | 9655 | 16-7 | 0840 | Fri | 156 834 7 23013 89758 52343 79628 42432 56075 56281 834 7 00000 | USB | (AB) |
| S06s | 6844 | 16-7 | 0900 | Fri | 239 804 5 42994 94184 47374 74154 08531 804 5 00000 | USB | (AB-UKR) |
| S06s | 7161 | 16-7 | 0910 | Fri | 239 804 5 42994 94184 47374 74154 08531 804 5 00000 | USB | (AB) |
| S06s | 16320 | 19-7 | 0630 | Mon | 462 910 5 17099 94961 35826 56906 77233 910 5 00000 | USB | (AB) |
| S06s | 14875 | 19-7 | 0640 | Mon | 462 910 5 17099 94961 35826 56906 77233 910 5 00000 | USB | (AB) |
| S06s | 8221 | 19-7 | 0830 | Mon | 764 819 5 33796 13577 74526 46647 79302 819 5 00000 | USB | (AB-FIN) |
| S06s | 9353 | 19-7 | 0840 | Mon | 764 819 5 33796 13577 74526 46647 79302 819 5 00000 | USB | (AB) |
| S06s | 16380 | 19-7 | 0900 | Mon | 232 984 5 52343 79628 42432 56075 65281 984 5 00000 | USB | (AB) |
| S06s | 14835 | 19-7 | 0910 | Mon | 232 984 5 52343 79628 42432 56075 65281 984 5 00000 | USB | (AB) |
| S06s | 10230 | 19-7 | 1200 | Mon | 149 835 6 89758 52343 79628 42432 86415 63156 835 5 00000 | USB | (AB/MPJ-HNG) |
| S06s | 12165 | 19-7 | 1210 | Mon | 149 835 6 89758 52343 79628 42432 86415 63156 835 5 00000 | USB | (AB/MPJ-HNG) |
| S06s | 15945 | 20-7 | 0600 | Tue | 438 967 5 42997 84706 47374 34694 64385 967 5 00000 | USB | (AB) |
| S06s | 16945 | 20-7 | 0610 | Tue | 438 967 5 42997 84706 47374 34694 64385 967 5 00000 | USB | (AB) |
| S06s | 5430 | 20-7 | 0700 | Tue | 452 873 6 79302 16070 15009 54545 88554 62620 873 6 00000 | USB | (AB-POL) |
| S06s | 6780 | 20-7 | 0710 | Tue | 452 873 6 79302 16070 15009 54545 88554 62620 873 6 00000 | USB | (AB) |
| S06s | 7365 | 20-7 | 0730 | Tue | 427 938 5 51726 25901 56281 63156 55137 938 5 00000 | USB | (AB) |

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|------|-------|------|------|-----|-----------------------------------------------------------------|-----|------------------|
| S06s | 11655 | 20-7 | 0740 | Tue | 427 938 5 51726 25901 56281 63156 55137 938 5 00000 | USB | (AB) |
| S06s | 14373 | 20-7 | 0800 | Tue | 127 938 5 52795 13577 15003 01409 88555 938 5 00000 | USB | (AB) |
| S06s | 12935 | 20-7 | 0810 | Tue | 127 938 5 52795 13577 15003 01409 88555 938 5 00000 | USB | (AB) |
| S06s | 4820 | 20-7 | 1000 | Tue | 427 861 5 99562 77233 61987 08531 34694 861 5 00000 | USB | (AB-POL) |
| S06s | 5660 | 20-7 | 1010 | Tue | 427 861 5 99562 77233 61987 08531 34694 861 5 00000 | USB | (AB) |
| S06s | 6810 | 20-7 | 1100 | Tue | 265 941 7 67901 30485 96632 52343 81763 50980 71797 941 7 00000 | USB | (AB-POL/MPJ-HNG) |
| S06s | 7560 | 20-7 | 1110 | Tue | 265 941 7 67901 30485 96632 52343 81763 50980 71797 941 7 00000 | USB | (AB/MPJ-HNG) |
| S06s | 11565 | 21-7 | 0830 | Wed | 464 293 5 90406 36113 31107 37806 37137 293 5 00000 | AM | (AB) |
| S06s | 12560 | 21-7 | 0840 | Wed | 464 293 5 90406 36113 31107 37806 37137 293 5 00000 | AM | (AB) |
| S06s | 11530 | 22-7 | 0730 | Thu | 172 896 5 21767 53672 11834 81022 36903 896 5 00000 | USB | (AB) |
| S06s | 14977 | 22-7 | 0740 | Thu | 172 896 5 21767 53672 11834 81022 36903 896 5 00000 | USB | (AB) |
| S06s | 9255 | 22-7 | 0930 | Thu | 698 234 5 05899 50387 45847 23013 89758 234 5 00000 | USB | (AB) |
| S06s | 10325 | 22-7 | 0940 | Thu | 698 234 5 05899 50387 45847 23013 89758 234 5 00000 | USB | (AB) |
| S06s | 13145 | 22-7 | 1200 | Thu | 175 982 6 33796 13577 74526 46647 79302 53516 982 6 00000 | USB | (AB/MPJ) |
| S06s | 14535 | 22-7 | 1210 | Thu | 175 982 6 33796 13577 74526 46647 79302 53516 982 6 00000 | USB | (AB/MPJ) |
| S06s | 10290 | 23-7 | 0830 | Fri | 156 834 7 23013 89758 52343 79628 42432 56075 56281 834 7 00000 | USB | (AB) |
| S06s | 9655 | 23-7 | 0840 | Fri | 156 834 7 23013 89758 52343 79628 42432 56075 56281 834 7 00000 | USB | (AB) |
| S06s | 6844 | 23-7 | 0900 | Fri | 239 804 5 42994 94184 47374 74154 08531 804 5 00000 | USB | (AB) |
| S06s | 7161 | 23-7 | 0910 | Fri | 239 804 5 42994 94184 47374 74154 08531 804 5 00000 | USB | (AB) |
| S06s | 16320 | 26-7 | 0630 | Mon | 462 910 5 17099 94961 35826 56906 77233 910 5 00000 | AM | (AB) |
| S06s | 14875 | 26-7 | 0640 | Mon | 462 910 5 17099 94961 35826 56906 77233 910 5 00000 | AM | (AB) |
| S06s | 8221 | 26-7 | 0830 | Mon | 764 819 5 33796 13577 74526 46647 79302 819 5 00000 | USB | (AB) |
| S06s | 9353 | 26-7 | 0840 | Mon | 764 819 5 33796 13577 74526 46647 79302 819 5 00000 | USB | (AB) |
| S06s | 16380 | 26-7 | 0900 | Mon | 232 984 5 52343 79628 42432 56075 65281 984 5 00000 | USB | (AB) |
| S06s | 14835 | 26-7 | 0910 | Mon | 232 984 5 52343 79628 42432 56075 65281 984 5 00000 | USB | (AB) |
| S06s | 10230 | 26-7 | 1200 | Mon | 149 835 6 89758 52343 79628 42432 86415 63156 835 5 00000 | USB | (AB/MPJ) |
| S06s | 12165 | 26-7 | 1210 | Mon | 149 835 6 89758 52343 79628 42432 86415 63156 835 5 00000 | USB | (AB/MPJ) |
| S06s | 15945 | 27-7 | 0600 | Tue | 438 967 5 42997 84706 47374 34694 64385 967 5 00000 | USB | (AB) |
| S06s | 16945 | 27-7 | 0610 | Tue | 438 967 5 42997 84706 47374 34694 64385 967 5 00000 | USB | (AB) |
| S06s | 5430 | 27-7 | 0700 | Tue | 452 873 6 79302 16070 15009 54545 88554 62620 873 6 00000 | USB | (AB-POL) |
| S06s | 6780 | 27-7 | 0710 | Tue | 452 873 6 79302 16070 15009 54545 88554 62620 873 6 00000 | USB | (AB) |
| S06s | 7365 | 27-7 | 0730 | Tue | 427 938 5 51726 25901 56281 63156 55137 938 5 00000 | USB | (AB) |
| S06s | 11655 | 27-7 | 0740 | Tue | 427 938 5 51726 25901 56281 63156 55137 938 5 00000 | USB | (AB) |
| S06s | 14373 | 27-7 | 0800 | Tue | 127 938 5 52795 13577 15003 01409 88555 938 5 00000 | USB | (AB) |
| S06s | 12935 | 27-7 | 0810 | Tue | 127 938 5 52795 13577 15003 01409 88555 938 5 00000 | USB | (AB) |
| S06s | 4820 | 27-7 | 1000 | Tue | 427 861 5 99562 77233 61987 08531 34694 861 5 00000 | USB | (AB-POL) |
| S06s | 5660 | 27-7 | 1010 | Tue | 427 861 5 99562 77233 61987 08531 34694 861 5 00000 | USB | (AB) |
| S06s | 6810 | 27-7 | 1100 | Tue | 265 941 7 67901 30485 96632 52343 81763 50980 71797 941 7 00000 | USB | (AB-POL) |
| S06s | 7560 | 27-7 | 1110 | Tue | 265 941 7 67901 30485 96632 52343 81763 50980 71797 941 7 00000 | USB | (AB) |
| S06s | 11565 | 28-7 | 0830 | Wed | 464 293 5 90406 36113 31107 37806 37137 293 5 00000 | AM | (AB) |
| S06s | 12560 | 28-7 | 0840 | Wed | 464 293 5 90406 36113 31107 37806 37137 293 5 00000 | AM | (AB) |

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|------|-------|------|------|-----|-------------------------------------------------------------------------------------------------|-----|----------|
| S06s | 14580 | 28-7 | 1000 | Wed | 276 489 5 43247 43380 48080 36478 38013 489 5 00000 | USB | (AB) |
| S06s | 16020 | 28-7 | 1010 | Wed | 276 489 5 43247 43380 48080 36478 38013 489 5 00000 | USB | (AB) |
| S06s | 11530 | 29-7 | 0730 | Thu | 172 172 172 00000 | USB | (AB) |
| S06s | 14977 | 29-7 | 0740 | Thu | 172 172 172 00000 | USB | (AB) |
| S06s | 9255 | 29-7 | 0930 | Thu | 698 698 698 00000 | USB | (AB) |
| S06s | 10325 | 29-7 | 0940 | Thu | 698 698 698 00000 | USB | (AB) |
| S06s | 13145 | 29-7 | 1200 | Thu | 175 175 275 00000 | USB | (AB/MPJ) |
| S06s | 14535 | 29-7 | 1210 | Thu | 175 175 175 00000 | USB | (AB/MPJ) |
| S06s | 10290 | 30-7 | 0830 | Fri | 156 156 156 00000 | USB | (AB) |
| S06s | 9655 | 30-7 | 0840 | Fri | 156 156 156 00000 | USB | (AB) |
| S06s | 6844 | 30-7 | 0900 | Fri | 239 239 239 00000 | USB | (AB) |
| S06s | 7161 | 30-7 | 0910 | Fri | 239 239 239 00000 | USB | (AB) |
| S11a | 9339 | 1-7 | 0700 | Thu | 478/00 | USB | (AB) |
| S11a | 6814 | 2-7 | 0915 | Fri | 481/00 | USB | (AB) |
| S11a | 10125 | 2-7 | 1020 | Fri | 424/00 | USB | (AB) |
| S11a | 5149 | 3-7 | 0830 | Sat | 370/00 | USB | (AB) |
| S11a | 12457 | 3-7 | 1850 | Sat | 287/00 | USB | (AB) |
| S11a | 5149 | 4-7 | 0830 | Sun | 376/00 | USB | (AB) |
| S11a | 13537 | 5-7 | 0510 | Mon | 650/40 Vnimanaye too weak to copy | USB | (AB) |
| S11a | 9339 | 5-7 | 0700 | Mon | 475/33 Vnimanaye 03650 42184 86173 ... 52939 16319 70606 Vnimanaye (message repeated) Konets | USB | (AB) |
| S11a | 6814 | 5-7 | 0915 | Mon | 486/00 | USB | (AB) |
| S11a | 10125 | 6-7 | 1020 | Tue | 421/00 | USB | (AB) |
| S11a | 12457 | 7-7 | 1850 | Wed | 288/00 | USB | (AB/MPJ) |
| S11a | 15690 | 8-7 | 0506 | Thu | Message i.p. | USB | (BV2) |
| S11a | 9339 | 8-7 | 0700 | Thu | 475/33 Vnimanaye 03650 42184 86173 ... 52939 16319 70606 Vnimanaye (message repeated) Konets | USB | (AB) |
| S11a | 6814 | 9-7 | 0915 | Fri | 481/00 | USB | (AB) |
| S11a | 10125 | 9-7 | 1020 | Fri | 426/00 | USB | (AB) |
| S11a | 5149 | 10-7 | 0830 | Sat | 379/00 | USB | (AB) |
| S11a | 12457 | 10-7 | 1850 | Sat | 282/00 | USB | (AB) |
| S11a | 5149 | 11-7 | 0830 | Sun | 371/00 | USB | (AB) |
| S11a | 13537 | 12-7 | 0510 | Mon | 655/00 | USB | (AB) |
| S11a | 9339 | 12-7 | 0700 | Mon | 471/00 | USB | (AB) |
| S11a | 6814 | 12-7 | 0915 | Mon | 484/00 | USB | (AB) |
| S11a | 15690 | 13-7 | 0500 | Tue | 381/00 | USB | (PY) |
| S11a | 10125 | 13-7 | 1020 | Tue | 429/00 | USB | (AB) |
| S11a | 12457 | 14-7 | 1850 | Wed | 288/00 | USB | (AB-POL) |
| S11a | 15690 | 15-7 | 0500 | Thu | 382/00 | USB | (AB-POL) |
| S11a | 9339 | 15-7 | 0700 | Thu | 472/00 | USB | (AB) |
| S11a | 10125 | 16-7 | 1020 | Fri | 422/00 | USB | (AB) |

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|-------------|-------|------|------|-----|-------------------------------------------------------------------------------------------------|-----|-----------|
| S11a | 5149 | 17-7 | 0830 | Sat | 371/38 Vnimanije 01037 86674 41788 ... 03499 19466 52174 Vnimanije (message repeated) Konets | USB | (AB/HFD) |
| S11a | 12457 | 17-7 | 1850 | Sat | 285/00 | USB | (AB) |
| S11a | 5149 | 18-7 | 0830 | Sun | 371/38 Vnimanije 01037 86674 41788 ... 03499 19466 52174 Vnimanije (message repeated) Konets | USB | (AB) |
| S11a | 5082 | 18-7 | 1530 | Sun | 371/38 Vnimanije 01037 86674 41788 ... 03499 19466 52174 Vnimanije (message repeated) Konets | USB | (AB) |
| S11a | 13537 | 19-7 | 0510 | Mon | 659/00 | USB | (AB/HFD) |
| S11a | 9339 | 19-7 | 0700 | Mon | 472/00 | USB | (AB) |
| S11a | 6814 | 19-7 | 0915 | Mon | 484/32 Vnimanije 52759 06514 81806 ... 63730 31237 96738 Vnimanije (message repeated) Konets | USB | (AB) |
| S11a | 10125 | 20-7 | 1020 | Tue | 424/30 Vnimanije 32708 77357 75167 ... 67311 26668 30365 Viumanije (message repeated) Konets | USB | (AB) |
| S11a | 12457 | 21-7 | 1850 | Wed | 286/37 Vnimanije 63558 43058 16161 ... 26016 85120 54056 Vnimanije (message repeated) Konets | USB | (AB/MPJ) |
| S11a | 15690 | 22-7 | 0500 | Thu | 385/00 | USB | (AB-POL) |
| S11a | 9339 | 22-7 | 0700 | Thu | 479/00 | USB | (AB) |
| S11a | 9339 | 22-7 | 0700 | Thu | 479/00 | USB | (AB) |
| S11a | 6814 | 23-7 | 0915 | Fri | 484/32 Vnimanije 52759 06514 81806 ... 63730 31237 96738 Vnimanije (message repeated) Konets | USB | (AB/Gwr) |
| S11a | 10125 | 23-7 | 1020 | Fri | 424/30 Vnimanije 32708 77357 75167 ... 67311 26668 30365 Viumanije (message repeated) Konets | USB | (AB) |
| S11a | 5149 | 24-7 | 0830 | Sat | 376/00 | USB | (AB) |
| S11a | 12457 | 24-7 | 1850 | Sat | 286/37 Vnimanije 63558 43058 16161 ... 26016 85120 54056 Vnimanije (message repeated) Konets | USB | (AB) |
| S11a | 5149 | 25-7 | 0830 | Sun | 378/00 | USB | (AB) |
| S11a | 13537 | 26-7 | 0510 | Mon | 657/00 | USB | (AB) |
| S11a | 9339 | 26-7 | 0700 | Mon | 475/00 | USB | (AB) |
| S11a | 6814 | 26-7 | 0915 | Mon | 485/00 | USB | (AB) |
| S11a | 10125 | 27-7 | 1020 | Tue | 429/00 | USB | (AB) |
| S11a | 13537 | 28-7 | 0510 | Wed | 651/00 | USB | (AB) |
| S11a | 12457 | 28-7 | 1850 | Wed | 286/00 | USB | (AB) |
| S11a | 15690 | 29-7 | 0500 | Thu | 382/00 | USB | (AB-POL) |
| S11a | 6814 | 30-7 | 0915 | Fri | 487/00 | USB | (AB) |
| S11a | 10125 | 30-7 | 1020 | Fri | 422/00 | USB | (AB) |
| S11a | 5149 | 31-7 | 0830 | Sat | 372/00 | USB | (AB) |
| S11a | 12457 | 31-7 | 1850 | Sat | 286/00 | USB | (AB) |
| UM03 | 5525 | 12-7 | 1209 | Mon | i.p. NR 00277 NR 00277 100 100 = QDGFU .HQDV | CW | (JPL-TWN) |
| UM03 | 5599 | 12-7 | 1212 | Mon | i.p.733D4 5UT44 N5T64 5ANNU 7NU56 5U64D ... | CW | (JPL-TWN) |
| UM03 | 5300 | 19-7 | 1209 | Mon | i.p. D7ATU D7ATU A564T DNA37 T54U6 DNAUD D7AU6 ... | CW | (JPL-HK) |
| UM03 | 5510 | 19-7 | 1209 | Mon | i.p. AA6T5 DNA43 TUD6U UN3U. ... AR 17W NA7T3 AR SK T | CW | (JPL-HK) |
| UM10 | 3542 | 17-7 | 1125 | Sat | 10-minutes net: HDNA | CW | (JPL-TWN) |

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|-------------|-------|------|------|-----|---------------------------------------------------------------------------------|--------------|-----------------|
| V07 | 13521 | 4-7 | 0300 | Sun | 514 514 514 000 | USB | (Dan-J/HFD-USA) |
| V07 | 12121 | 4-7 | 0320 | Sun | 514 514 514 000 | USB | (HFD-USA) |
| V07 | 13521 | 11-7 | 0300 | Sun | 514 514 514 1 517 60 517 60 86104 44792 59462 ... 91435 08100 17989 000 000 | USB | (Dan-J) |
| V07 | 13521 | 18-7 | 0300 | Sun | 514 514 514 1 8789 132 8789 132 99850 11588 72238 ... 01853 98645 37547 000 000 | USB | (Dan-J) |
| V07 | 13521 | 25-7 | 0300 | Sun | 514 514 514 1 427 80 427 80 37911 01369 04994 ... 89157 52629 82401 000 000 | USB | (Dan) |
| V26 | 4243 | 12-7 | 1034 | Mon | Chinese voice and Q26 mixing. Only voice from 1035 to 1052 UTC //9054 | USB | (JPL) |
| V26 | 9054 | 12-7 | 1034 | Mon | Chinese voice and Q26 mixing. Only voice from 1035 to 1052 UTC //4243 | USB | (JPL) |
| V26 | 4364 | 12-7 | 1130 | Mon | XSV85 callup in Chinese voice //8073 | USB | (JPL) |
| V26 | 8073 | 12-7 | 1130 | Mon | XSV85 callup in Chinese voice //4364 | USB | (JPL) |
| V26 | 4243 | 12-7 | 1140 | Mon | Chinese voice and Q26 mixing //9054 | USB | (JPL) |
| V26 | 9054 | 12-7 | 1140 | Mon | Chinese voice and Q26 mixing //4243 | USB | (JPL) |
| V26 | 4243 | 12-7 | 1233 | Mon | repeat of M95 in Chinese voice. Female operator //9054 | USB | (JPL) |
| V26 | 4243 | 12-7 | 1233 | Mon | Message in Chinese voice //9054 | USB | (JPL) |
| V26 | 9054 | 12-7 | 1233 | Mon | repeat of M95 in Chinese voice. Female operator //4243 | USB | (JPL) |
| V26 | 9054 | 12-7 | 1233 | Mon | Message in Chinese voice //4243 | USB | (JPL) |
| V26 | 4243 | 17-7 | 1158 | Sat | repeat of M95 in Chinese voice. Female operator //9054 | USB | (JPL) |
| V26 | 9054 | 17-7 | 1158 | Sat | repeat of M95 in Chinese voice. Female operator //4243 | USB | (JPL) |
| V26 | 9054 | 22-7 | 1208 | Thu | repeat of M95 messages in Chinese voice | USB | (JPL) |
| X06 | 12149 | 6-7 | 0946 | Tue | MFA Moscow clg 154263: Russian embassy Rome | MFSK-6 | (AB) |
| X06 | 14350 | 16-7 | 1044 | Fri | MFA Moscow clg 241563: Russian Consulate General Karachi | MFSK-6 | (ES-HOL) |
| X06 | 11158 | 19-7 | 0711 | Mon | MFA Moscow clg 263514: unid embassy | MFSK-6 | (AB) |
| X06 | 16115 | 21-7 | 1155 | Wed | MFA Moscow clg 215346: Russian Consulate General Mumbai | MFSK-6 | (ES-HOL) |
| X06 | 16116 | 28-7 | 0904 | Wed | MFA Moscow clg 134265: Russian embassy Tunis | MFSK-6 | (ES-HOL) |
| X06b | 12176 | 10-7 | 1213 | Sat | Test sequence 111666 before E07 | MFSK-6 | (AB) |
| X06b | 12176 | 10-7 | 1255 | Sat | Test sequence 111666 before E07 | MFSK-6 | (AB) |
| X06b | 14376 | 26-7 | 1111 | Mon | Sequence 666111 before XPB1 | MFSK-6 | (AB) |
| X06b | 14376 | 26-7 | 1124 | Mon | Sequence 666116 before XPB1 | MFSK-6 | (AB) |
| X06b | 14376 | 26-7 | 1133 | Mon | Sequence 666111 before XPB1 interfering M12 on 14377 kHz | MFSK-6 | (AB) |
| X06b | 13884 | 31-7 | 1010 | Sat | Test sequence 111666 before XPB1 | MFSK-6 | (AB) |
| X06b | 13884 | 31-7 | 1016 | Sat | Test sequence 111666 before XPB1 | MFSK-6 | (AB) |
| X06b | 13884 | 31-7 | 1023 | Sat | Test sequence 111666 before XPB1 | MFSK-6 | (AB) |
| XPA1 | 10446 | 1-7 | 0710 | Thu | 367 367 367 1 02892 00138 86621 ... 27319 58029 26724 | MFSK-20/10Bd | (AB/HFD) |
| XPA1 | 11474 | 1-7 | 0730 | Thu | 367 367 367 1 02892 00138 86621 ... 27319 58029 26724 | MFSK-20/10Bd | (AB/HFD) |
| XPA1 | 12175 | 1-7 | 0750 | Thu | 367 367 367 1 02892 00138 86621 ... 27319 58029 26724 | MFSK-20/10Bd | (AB/HFD) |
| XPA1 | 13368 | 2-7 | 1210 | Fri | 311 311 311 1 02790 00124 09536 ... 38352 11641 31737 | MFSK-20/10Bd | (AB/HFD) |
| XPA1 | 12168 | 2-7 | 1230 | Fri | 311 311 311 1 02790 00124 09536 ... 38352 11641 31737 | MFSK-20/10Bd | (AB/HFD) |
| XPA1 | 11168 | 2-7 | 1250 | Fri | 311 311 311 1 02790 00124 09536 ... 38352 11641 31737 | MFSK-20/10Bd | (AB/HFD) |
| XPA1 | 10446 | 6-7 | 0710 | Tue | 367 367 367 1 04201 00145 92828 ... 93140 53454 55635 | MFSK-20/10Bd | (AB) |
| XPA1 | 11474 | 6-7 | 0730 | Tue | 367 367 367 1 04201 00145 92828 ... 93140 53454 55635 | MFSK-20/10Bd | (AB) |
| XPA1 | 12175 | 6-7 | 0750 | Tue | 367 367 367 1 04201 00145 92828 ... 93140 53454 55635 | MFSK-20/10Bd | (AB) |
| XPA1 | 13368 | 7-7 | 1210 | Wed | 311 311 311 1 00564 00107 42626 ... 30790 61392 16011 | MFSK-20/10Bd | (AB) |

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|------|-------|------|------|-----|-------------------------------------------------------------|--------------|----------|
| XPA1 | 12168 | 7-7 | 1230 | Wed | 311 311 311 1 00564 00107 42626 ... 30790 61392 16011 | MFSK-20/10Bd | (AB) |
| XPA1 | 11168 | 7-7 | 1250 | Wed | 311 311 311 1 00564 00107 42626 ... 30790 61392 16011 | MFSK-20/10Bd | (AB) |
| XPA1 | 10446 | 8-7 | 0710 | Thu | 367 367 367 1 04201 00145 92828 ... 93140 53454 55635 | MFSK-20/10Bd | (AB) |
| XPA1 | 11474 | 8-7 | 0730 | Thu | 367 367 367 1 04201 00145 92828 ... 93140 53454 55635 | MFSK-20/10Bd | (AB) |
| XPA1 | 12175 | 8-7 | 0750 | Thu | 367 367 367 1 04201 00145 92828 ... 93140 53454 55635 | MFSK-20/10Bd | (AB) |
| XPA1 | 13368 | 9-7 | 1210 | Fri | 311 311 311 1 00564 00107 42626 ... 30790 61392 16011 | MFSK-20/10Bd | (AB/MPJ) |
| XPA1 | 12168 | 9-7 | 1230 | Fri | 311 311 311 1 00564 00107 42626 ... 30790 61392 16011 | MFSK-20/10Bd | (AB/MPJ) |
| XPA1 | 11168 | 9-7 | 1250 | Fri | 311 311 311 1 00564 00107 42626 ... 30790 61392 16011 | MFSK-20/10Bd | (AB/MPJ) |
| XPA1 | 10446 | 13-7 | 0710 | Tue | 367 367 367 000 07318 00001 00000 36660 | MFSK-20/10Bd | (AB) |
| XPA1 | 11474 | 13-7 | 0730 | Tue | 367 367 367 000 07318 00001 00000 36660 | MFSK-20/10Bd | (AB) |
| XPA1 | 12175 | 13-7 | 0750 | Tue | 367 367 367 000 07318 00001 00000 36660 | MFSK-20/10Bd | (AB) |
| XPA1 | 13368 | 14-7 | 1210 | Wed | 311 311 311 1 00564 00107 42626 ... 30790 61392 16011 | MFSK-20/10Bd | (AB) |
| XPA1 | 12168 | 14-7 | 1230 | Wed | 311 311 311 1 00564 00107 42626 ... 30790 61392 16011 | MFSK-20/10Bd | (AB) |
| XPA1 | 11168 | 14-7 | 1250 | Wed | 311 311 311 1 00564 00107 42626 ... 30790 61392 16011 | MFSK-20/10Bd | (AB) |
| XPA1 | 10446 | 15-7 | 0710 | Thu | 367 367 367 000 04713 00001 00000 36255 | MFSK-20/10Bd | (AB) |
| XPA1 | 11474 | 15-7 | 0730 | Thu | 367 367 367 000 04713 00001 00000 36255 | MFSK-20/10Bd | (AB) |
| XPA1 | 12175 | 15-7 | 0750 | Thu | 367 367 367 000 04713 00001 00000 36255 | MFSK-20/10Bd | (AB) |
| XPA1 | 13368 | 16-7 | 1210 | Fri | 311 311 311 1 00564 00107 42626 ... 30790 61392 16011 | MFSK-20/10Bd | (AB) |
| XPA1 | 12168 | 16-7 | 1230 | Fri | 311 311 311 1 00564 00107 42626 ... 30790 61392 16011 | MFSK-20/10Bd | (AB) |
| XPA1 | 11168 | 16-7 | 1250 | Fri | 311 311 311 1 00564 00107 42626 ... 30790 61392 16011 | MFSK-20/10Bd | (AB) |
| XPA1 | 10446 | 20-7 | 0710 | Tue | 367 367 367 1 01252 00135 73384 ... 51707 99395 52123 | MFSK-20/10Bd | (AB) |
| XPA1 | 11474 | 20-7 | 0730 | Tue | 367 367 367 1 01252 00135 73384 ... 51707 99395 52123 | MFSK-20/10Bd | (AB) |
| XPA1 | 12175 | 20-7 | 0750 | Tue | 367 367 367 1 01252 00135 73384 ... 51707 99395 52123 | MFSK-20/10Bd | (AB) |
| XPA1 | 13368 | 21-7 | 1210 | Wed | 311 311 311 000 08561 00001 00000 34266 | MFSK-20/10Bd | (AB) |
| XPA1 | 12168 | 21-7 | 1230 | Wed | 311 311 311 000 08561 00001 00000 34266 | MFSK-20/10Bd | (AB) |
| XPA1 | 11168 | 21-7 | 1250 | Wed | 311 311 311 000 08561 00001 00000 34266 | MFSK-20/10Bd | (AB) |
| XPA1 | 10446 | 22-7 | 0710 | Thu | 367 367 367 1 01252 00135 73384 ... 51707 99395 52123 | MFSK-20/10Bd | (AB) |
| XPA1 | 11474 | 22-7 | 0730 | Thu | 367 367 367 1 01252 00135 73384 ... 51707 99395 52123 | MFSK-20/10Bd | (AB) |
| XPA1 | 12175 | 22-7 | 0750 | Thu | 367 367 367 1 01252 00135 73384 ... 51707 99395 52123 | MFSK-20/10Bd | (AB) |
| XPA1 | 13368 | 23-7 | 1210 | Fri | 311 311 311 000 08462 00001 00000 34266 | MFSK-20/10Bd | (AB) |
| XPA1 | 12168 | 23-7 | 1230 | Fri | 311 311 311 000 08462 00001 00000 34266 | MFSK-20/10Bd | (AB) |
| XPA1 | 11168 | 23-7 | 1250 | Fri | 311 311 311 000 08462 00001 00000 34266 | MFSK-20/10Bd | (AB) |
| XPA1 | 10446 | 27-7 | 0710 | Tue | 367 367 367 1 01252 00135 73384 ... 51707 99395 52123 | MFSK-20/10Bd | (AB) |
| XPA1 | 11474 | 27-7 | 0730 | Tue | 367 367 367 1 01252 00135 73384 ... 51707 99395 52123 | MFSK-20/10Bd | (AB) |
| XPA1 | 12175 | 27-7 | 0750 | Tue | 367 367 367 1 01252 00135 73384 ... 51707 99395 52123 | MFSK-20/10Bd | (AB) |
| XPA1 | 13368 | 28-7 | 1210 | Wed | 311 311 311 1 01231 00107 87262 ... 25029 88358 54072 53047 | MFSK-20/10Bd | (AB) |
| XPA1 | 12168 | 28-7 | 1230 | Wed | 311 311 311 1 01231 00107 87262 ... 25029 88358 54072 53047 | MFSK-20/10Bd | (AB) |
| XPA1 | 11168 | 28-7 | 1250 | Wed | 311 311 311 1 01231 00107 87262 ... 25029 88358 54072 53047 | MFSK-20/10Bd | (AB) |
| XPA1 | 10446 | 29-7 | 0710 | Thu | 367 367 367 1 01252 00135 73384 ... 51707 99395 52123 | MFSK-20/10Bd | (AB) |
| XPA1 | 11474 | 29-7 | 0730 | Thu | 367 367 367 1 01252 00135 73384 ... 51707 99395 52123 | MFSK-20/10Bd | (AB) |
| XPA1 | 12175 | 29-7 | 0750 | Thu | 367 367 367 1 01252 00135 73384 ... 51707 99395 52123 | MFSK-20/10Bd | (AB) |
| XPA1 | 13368 | 30-7 | 1210 | Fri | 311 311 311 1 01231 00107 87262 ... 25029 88358 54072 53047 | MFSK-20/10Bd | (AB/MPJ) |

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|------|-------|------|------|-----|-------------------------------------------------------------|--------------|--------------|
| XPA1 | 12168 | 30-7 | 1230 | Fri | 311 311 311 1 01231 00107 87262 ... 25029 88358 54072 53047 | MFSK-20/10Bd | (AB/MPJ) |
| XPA1 | 11168 | 30-7 | 1250 | Fri | 311 311 311 1 01231 00107 87262 ... 25029 88358 54072 53047 | MFSK-20/10Bd | (AB/MPJ) |
| XPA2 | 13445 | 1-7 | 0910 | Thu | 00652 00115 01857 ... 41835 42426 46730 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 12145 | 1-7 | 0930 | Thu | 00652 00115 01857 ... 41835 42426 46730 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 11545 | 1-7 | 0950 | Thu | 00652 00115 01857 ... 41835 42426 46730 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 17435 | 1-7 | 1100 | Thu | 00151 00144 78887 ... 49610 62777 21760 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 16235 | 1-7 | 1120 | Thu | 00151 00144 78887 ... 49610 62777 21760 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 14935 | 1-7 | 1140 | Thu | 00151 00144 78887 ... 49610 62777 21760 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 13538 | 1-7 | 1600 | Thu | 00240 00213 24647 ... 46111 89276 26232 | MFSK-16/20Bd | (AB/MPJ/HFD) |
| XPA2 | 14438 | 1-7 | 1620 | Thu | 00240 00213 24647 ... 46111 89276 26232 | MFSK-16/20Bd | (AB/MPJ/HFD) |
| XPA2 | 14938 | 1-7 | 1640 | Thu | 00240 00213 24647 ... 46111 89276 26232 | MFSK-16/20Bd | (AB/MPJ/HFD) |
| XPA2 | 14958 | 2-7 | 1100 | Fri | 03810 00099 97901 ... 73476 34896 07333 | MFSK-16/20Bd | (AB) |
| XPA2 | 13958 | 2-7 | 1120 | Fri | 03810 00099 97901 ... 73476 34896 07333 | MFSK-16/20Bd | (AB) |
| XPA2 | 12158 | 2-7 | 1140 | Fri | 03810 00099 97901 ... 73476 34896 07333 | MFSK-16/20Bd | (AB) |
| XPA2 | 12124 | 2-7 | 2100 | Fri | 00580 00120 39775 ... 60893 31158 63362 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 11124 | 2-7 | 2120 | Fri | 00580 00120 39775 ... 60893 31158 63362 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 10624 | 2-7 | 2140 | Fri | 00580 00120 39775 ... 60893 31158 63362 | MFSK-16/20Bd | (AB/RL/HFD) |
| XPA2 | 13445 | 3-7 | 0910 | Sat | 00652 00115 01857 ... 41835 42426 46730 | MFSK-16/20Bd | (AB) |
| XPA2 | 12145 | 3-7 | 0930 | Sat | 00652 00115 01857 ... 41835 42426 46730 | MFSK-16/20Bd | (AB) |
| XPA2 | 11545 | 3-7 | 0950 | Sat | 00652 00115 01857 ... 41835 42426 46730 | MFSK-16/20Bd | (AB) |
| XPA2 | 13954 | 3-7 | 1500 | Sat | 00158 00125 53122 ... 43821 22613 56061 | MFSK-16/20Bd | (AB) |
| XPA2 | 12154 | 3-7 | 1520 | Sat | 00158 00125 53122 ... 43821 22613 56061 | MFSK-16/20Bd | (AB) |
| XPA2 | 11454 | 3-7 | 1540 | Sat | 00158 00125 53122 ... 43821 22613 56061 | MFSK-16/20Bd | (AB) |
| XPA2 | 13394 | 4-7 | 2100 | Sun | 07680 00050 31637 ... 81466 24911 23754 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 12194 | 4-7 | 2120 | Sun | 07680 00050 31637 ... 81466 24911 23754 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 10794 | 4-7 | 2140 | Sun | 07680 00050 31637 ... 81466 24911 23754 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 12148 | 5-7 | 0700 | Mon | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 13448 | 5-7 | 0720 | Mon | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 13948 | 5-7 | 0740 | Mon | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 16296 | 5-7 | 0910 | Mon | 06367 00059 94181 ... 86051 83437 00110 | MFSK-16/20Bd | (AB) |
| XPA2 | 14981 | 5-7 | 0930 | Mon | 06367 00059 94181 ... 86051 83437 00110 | MFSK-16/20Bd | (AB) |
| XPA2 | 13953 | 5-7 | 0950 | Mon | 06367 00059 94181 ... 86051 83437 00110 | MFSK-16/20Bd | (AB) |
| XPA2 | 13954 | 5-7 | 1500 | Mon | 02172 00001 0000 32660 | MFSK-16/20Bd | (AB/MPJ/HFD) |
| XPA2 | 12154 | 5-7 | 1520 | Mon | 02172 00001 0000 32660 | MFSK-16/20Bd | (AB/MPJ/HFD) |
| XPA2 | 11454 | 5-7 | 1540 | Mon | 02172 00001 0000 32660 | MFSK-16/20Bd | (AB/MPJ/HFD) |
| XPA2 | 14958 | 6-7 | 1100 | Tue | 06824 00001 00000 37260 | MFSK-16/20Bd | (AB) |
| XPA2 | 13958 | 6-7 | 1120 | Tue | 06824 00001 00000 37260 | MFSK-16/20Bd | (AB) |
| XPA2 | 12158 | 6-7 | 1140 | Tue | 06824 00001 00000 37260 | MFSK-16/20Bd | (AB) |
| XPA2 | 13538 | 6-7 | 1600 | Tue | 00536 00115 62240 ... 98209 69299 01501 | MFSK-16/20Bd | (AB) |
| XPA2 | 14438 | 6-7 | 1620 | Tue | 00536 00115 62240 ... 98209 69299 01501 | MFSK-16/20Bd | (AB) |
| XPA2 | 14938 | 6-7 | 1640 | Tue | 00536 00115 62240 ... 98209 69299 01501 | MFSK-16/20Bd | (AB) |
| XPA2 | 13394 | 6-7 | 2100 | Tue | 07888 00102 46804 ... 32056 81377 70164 | MFSK-16/20Bd | (AB) |

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| XPA2 | 12194 | 6-7 | 2120 | Tue | 07888 00102 46804 ... 32056 81377 70164 | MFSK-16/20Bd | (AB) |
| XPA2 | 10794 | 6-7 | 2140 | Tue | 07888 00102 46804 ... 32056 81377 70164 | MFSK-16/20Bd | (AB) |
| XPA2 | 12148 | 7-7 | 0700 | Wed | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 13448 | 7-7 | 0720 | Wed | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 13948 | 7-7 | 0740 | Wed | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 16296 | 7-7 | 0910 | Wed | 06367 00059 94181 ... 86051 83337 00110 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 14981 | 7-7 | 0930 | Wed | 06367 00059 94181 ... 86051 83337 00110 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 13953 | 7-7 | 0950 | Wed | 06367 00059 94181 ... 86051 83337 00110 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 17435 | 7-7 | 1100 | Wed | 02373 00144 47304 ... 85963 38813 07445 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 16235 | 7-7 | 1120 | Wed | 02373 00144 47304 ... 85963 38813 07445 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14935 | 7-7 | 1140 | Wed | 02373 00144 47304 ... 85963 38813 07445 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 12124 | 7-7 | 2100 | Wed | 05489 00086 70254 ... 01666 79333 46076 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 11124 | 7-7 | 2120 | Wed | 05489 00086 70254 ... 01666 79333 46076 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 10624 | 7-7 | 2140 | Wed | 05489 00086 70254 ... 01666 79333 46076 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 13445 | 8-7 | 0910 | Thu | 06445 00001 00000 35662 | MFSK-16/20Bd | (AB) |
| XPA2 | 12145 | 8-7 | 0930 | Thu | 06445 00001 00000 35662 | MFSK-16/20Bd | (AB) |
| XPA2 | 11545 | 8-7 | 0950 | Thu | 06445 00001 00000 35662 | MFSK-16/20Bd | (AB) |
| XPA2 | 17435 | 8-7 | 1100 | Thu | 02373 00144 47304 ... 85963 38813 07445 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 16235 | 8-7 | 1120 | Thu | 02373 00144 47304 ... 85963 38813 07445 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14935 | 8-7 | 1140 | Thu | 02373 00144 47304 ... 85963 38813 07445 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13538 | 8-7 | 1600 | Thu | 00536 00115 62240 ... 98209 69299 01501 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14438 | 8-7 | 1620 | Thu | 00536 00115 62240 ... 98209 69299 01501 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14938 | 8-7 | 1640 | Thu | 00536 00115 62240 ... 98209 69299 01501 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14958 | 9-7 | 1100 | Fri | 06685 00001 00000 36666 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 13958 | 9-7 | 1120 | Fri | 06685 00001 00000 36666 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 12158 | 9-7 | 1140 | Fri | 06685 00001 00000 36666 | MFSK-16/20Bd | (AB/HFD) |
| XPA2 | 12124 | 9-7 | 2100 | Fri | 05489 00086 70254 ... 01666 79333 46076 | MFSK-16/20Bd | (AB) |
| XPA2 | 11124 | 9-7 | 2120 | Fri | 05489 00086 70254 ... 01666 79333 46076 | MFSK-16/20Bd | (AB) |
| XPA2 | 10624 | 9-7 | 2140 | Fri | 05489 00086 70254 ... 01666 79333 46076 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 13445 | 10-7 | 0910 | Sat | 07200 00001 00000 32257 | MFSK-16/20Bd | (AB) |
| XPA2 | 12145 | 10-7 | 0930 | Sat | 07200 00001 00000 32257 | MFSK-16/20Bd | (AB) |
| XPA2 | 11545 | 10-7 | 0950 | Sat | 07200 00001 00000 32257 | MFSK-16/20Bd | (AB) |
| XPA2 | 13954 | 10-7 | 1500 | Sat | 02008 00001 00000 35543 | MFSK-16/20Bd | (AB) |
| XPA2 | 12154 | 10-7 | 1520 | Sat | 02008 00001 00000 35543 | MFSK-16/20Bd | (AB) |
| XPA2 | 11454 | 10-7 | 1540 | Sat | 02008 00001 00000 35543 | MFSK-16/20Bd | (AB) |
| XPA2 | 13394 | 11-7 | 2100 | Sun | 07888 00102 46804 ... 32056 81377 70164 | MFSK-16/20Bd | (AB) |
| XPA2 | 12194 | 11-7 | 2120 | Sun | 07888 00102 46804 ... 32056 81377 70164 | MFSK-16/20Bd | (AB) |
| XPA2 | 10794 | 11-7 | 2140 | Sun | 07888 00102 46804 ... 32056 81377 70164 | MFSK-16/20Bd | (AB) |
| XPA2 | 12148 | 12-7 | 0700 | Mon | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 13448 | 12-7 | 0720 | Mon | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 13948 | 12-7 | 0740 | Mon | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 16296 | 12-7 | 0910 | Mon | 00683 00120 04461 ... 90968 17932 23402 | MFSK-16/20Bd | (AB) |

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|------|-------|------|------|-----|--------------------------------------------|--------------|----------|
| XPA2 | 14981 | 12-7 | 0930 | Mon | 00683 00120 04461 ... 90968 17932 23402 | MFSK-16/20Bd | (AB) |
| XPA2 | 13953 | 12-7 | 0950 | Mon | 00683 00120 04461 ... 90968 17932 23402 | MFSK-16/20Bd | (AB) |
| XPA2 | 13954 | 12-7 | 1500 | Mon | 04809 00244 16210 stopped after 180 groups | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 12154 | 12-7 | 1520 | Mon | 04809 00244 16210 ... 82453 91116 17304 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 11454 | 12-7 | 1540 | Mon | 04809 00244 16210 ... 82453 91116 17304 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14958 | 13-7 | 1100 | Tue | 00225 00068 45939 ... 23612 51263 17000 | MFSK-16/20Bd | (AB) |
| XPA2 | 13958 | 13-7 | 1120 | Tue | 00225 00068 45939 ... 23612 51263 17000 | MFSK-16/20Bd | (AB) |
| XPA2 | 12158 | 13-7 | 1140 | Tue | 00225 00068 45939 ... 23612 51263 17000 | MFSK-16/20Bd | (AB) |
| XPA2 | 13538 | 13-7 | 1600 | Tue | 07638 00001 00000 40262 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14438 | 13-7 | 1620 | Tue | 07638 00001 00000 40262 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14938 | 13-7 | 1640 | Tue | 07638 00001 00000 40262 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13394 | 13-7 | 2100 | Tue | 00119 00086 22679 ... 75745 09521 31100 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 12194 | 13-7 | 2120 | Tue | 00119 00086 22679 ... 75745 09521 31100 | MFSK-16/20Bd | (AB) |
| XPA2 | 10794 | 13-7 | 2140 | Tue | 00119 00086 22679 ... 75745 09521 31100 | MFSK-16/20Bd | (AB) |
| XPA2 | 12148 | 14-7 | 0700 | Wed | No transmission | MFSK-16/20Bd | (AB) |
| XPA2 | 13448 | 14-7 | 0720 | Wed | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 13948 | 14-7 | 0740 | Wed | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 16296 | 14-7 | 0910 | Wed | 00683 00120 04461 ... 90968 17932 23402 | MFSK-16/20Bd | (AB) |
| XPA2 | 14981 | 14-7 | 0930 | Wed | 00683 00120 04461 ... 90968 17932 23402 | MFSK-16/20Bd | (AB) |
| XPA2 | 13953 | 14-7 | 0950 | Wed | 00683 00120 04461 ... 90968 17932 23402 | MFSK-16/20Bd | (AB) |
| XPA2 | 12124 | 14-7 | 2100 | Wed | 00748 00096 38257 ... 16814 74536 55633 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 11124 | 14-7 | 2120 | Wed | 00748 00096 38257 ... 16814 74536 55633 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 10624 | 14-7 | 2140 | Wed | 00748 00096 38257 ... 16814 74536 55633 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 13445 | 15-7 | 0910 | Thu | 05703 00001 00000 36255 | MFSK-16/20Bd | (AB) |
| XPA2 | 12145 | 15-7 | 0930 | Thu | 05703 00001 00000 36255 | MFSK-16/20Bd | (AB) |
| XPA2 | 11545 | 15-7 | 0950 | Thu | 05703 00001 00000 36255 | MFSK-16/20Bd | (AB) |
| XPA2 | 17435 | 15-7 | 1100 | Thu | 02373 00144 47304 ... 85963 38813 07445 | MFSK-16/20Bd | (AB) |
| XPA2 | 16235 | 15-7 | 1120 | Thu | 02373 00144 47304 ... 85963 38813 07445 | MFSK-16/20Bd | (AB) |
| XPA2 | 14935 | 15-7 | 1140 | Thu | 02373 00144 47304 ... 85963 38813 07445 | MFSK-16/20Bd | (AB) |
| XPA2 | 13538 | 15-7 | 1600 | Thu | 02261 00001 00000 32660 | MFSK-16/20Bd | (AB) |
| XPA2 | 14438 | 15-7 | 1620 | Thu | 02261 00001 00000 32660 | MFSK-16/20Bd | (AB) |
| XPA2 | 14938 | 15-7 | 1640 | Thu | 02261 00001 00000 32660 | MFSK-16/20Bd | (AB) |
| XPA2 | 14958 | 16-7 | 1100 | Fri | 00225 00068 45939 ... 23612 51263 17000 | MFSK-16/20Bd | (AB) |
| XPA2 | 13958 | 16-7 | 1120 | Fri | 00225 00068 45939 ... 23612 51263 17000 | MFSK-16/20Bd | (AB) |
| XPA2 | 12158 | 16-7 | 1140 | Fri | 00225 00068 45939 ... 23612 51263 17000 | MFSK-16/20Bd | (AB) |
| XPA2 | 12124 | 16-7 | 2100 | Fri | 00748 00096 38257 ... 16814 74536 55633 | MFSK-16/20Bd | (AB) |
| XPA2 | 11124 | 16-7 | 2120 | Fri | 00748 00096 38257 ... 16814 74536 55633 | MFSK-16/20Bd | (AB) |
| XPA2 | 10624 | 16-7 | 2140 | Fri | 00748 00096 38257 ... 16814 74536 55633 | MFSK-16/20Bd | (AB) |
| XPA2 | 13445 | 17-7 | 0910 | Sat | 05487 00001 00000 36665 | MFSK-16/20Bd | (AB) |
| XPA2 | 12145 | 17-7 | 0930 | Sat | 05487 00001 00000 36665 | MFSK-16/20Bd | (AB) |
| XPA2 | 11545 | 17-7 | 0950 | Sat | 05487 00001 00000 36665 | MFSK-16/20Bd | (AB) |
| XPA2 | 13954 | 17-7 | 1500 | Sat | 04809 00244 16210 ... 82453 91116 17304 | MFSK-16/20Bd | (AB) |

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|------|-------|------|------|-----|-----------------------------------------|--------------|---------|
| XPA2 | 12154 | 17-7 | 1520 | Sat | 04809 00244 16210 ... 82453 91116 17304 | MFSK-16/20Bd | (AB) |
| XPA2 | 11454 | 17-7 | 1540 | Sat | 04809 00244 16210 ... 82453 91116 17304 | MFSK-16/20Bd | (AB) |
| XPA2 | 13394 | 18-7 | 2100 | Sun | 00119 00086 22679 ... 75745 09521 31100 | MFSK-16/20Bd | (AB) |
| XPA2 | 12194 | 18-7 | 2120 | Sun | 00119 00086 22679 ... 75745 09521 31100 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 10794 | 18-7 | 2140 | Sun | 00119 00086 22679 ... 75745 09521 31100 | MFSK-16/20Bd | (AB) |
| XPA2 | 12148 | 19-7 | 0700 | Mon | 00342 00210 69080 ... 59551 74448 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 13448 | 19-7 | 0720 | Mon | 00342 00210 69080 ... 59551 74448 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 13948 | 19-7 | 0740 | Mon | 00342 00210 69080 ... 59551 74448 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 16296 | 19-7 | 0910 | Mon | 05967 00001 00000 41263 | MFSK-16/20Bd | (AB) |
| XPA2 | 14981 | 19-7 | 0930 | Mon | 05967 00001 00000 41263 | MFSK-16/20Bd | (AB) |
| XPA2 | 13953 | 19-7 | 0950 | Mon | 05967 00001 00000 41263 | MFSK-16/20Bd | (AB) |
| XPA2 | 12158 | 19-7 | 1200 | Mon | 04124 00150 46527 ... 82868 18174 13516 | MFSK-16/20Bd | (AB) |
| XPA2 | 13954 | 19-7 | 1500 | Mon | 09938 00001 00000 41664 | MFSK-16/20Bd | (AB) |
| XPA2 | 12154 | 19-7 | 1520 | Mon | 09938 00001 00000 41664 | MFSK-16/20Bd | (AB) |
| XPA2 | 11454 | 19-7 | 1540 | Mon | 09938 00001 00000 41664 | MFSK-16/20Bd | (AB) |
| XPA2 | 14958 | 20-7 | 1100 | Tue | 00225 00068 45939 ... 23612 51263 17000 | MFSK-16/20Bd | (AB) |
| XPA2 | 13958 | 20-7 | 1120 | Tue | 00225 00068 45939 ... 23612 51263 17000 | MFSK-16/20Bd | (AB) |
| XPA2 | 12158 | 20-7 | 1140 | Tue | 00225 00068 45939 ... 23612 51263 17000 | MFSK-16/20Bd | (AB) |
| XPA2 | 13538 | 20-7 | 1600 | Tue | 04494 00001 00000 35265 | MFSK-16/20Bd | (AB) |
| XPA2 | 14438 | 20-7 | 1620 | Tue | 04494 00001 00000 35265 | MFSK-16/20Bd | (AB) |
| XPA2 | 14938 | 20-7 | 1640 | Tue | 04494 00001 00000 35265 | MFSK-16/20Bd | (AB) |
| XPA2 | 13394 | 20-7 | 2100 | Tue | 05817 00106 38571 ... 13564 34400 11626 | MFSK-16/20Bd | (AB) |
| XPA2 | 12194 | 20-7 | 2120 | Tue | 05817 00106 38571 ... 13564 34400 11626 | MFSK-16/20Bd | (AB) |
| XPA2 | 10794 | 20-7 | 2140 | Tue | 05817 00106 38571 ... 13564 34400 11626 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 12148 | 21-7 | 0700 | Wed | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 13448 | 21-7 | 0720 | Wed | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 13948 | 21-7 | 0740 | Wed | 00352 00210 69080 ... 59561 74408 05174 | MFSK-16/20Bd | (AB) |
| XPA2 | 16296 | 21-7 | 0910 | Wed | 04134 00001 00000 33657 | MFSK-16/20Bd | (AB) |
| XPA2 | 14981 | 21-7 | 0930 | Wed | 04134 00001 00000 33657 | MFSK-16/20Bd | (AB) |
| XPA2 | 13953 | 21-7 | 0950 | Wed | 04134 00001 00000 33657 | MFSK-16/20Bd | (AB) |
| XPA2 | 17435 | 21-7 | 1100 | Wed | 04111 00001 00000 32655 | MFSK-16/20Bd | (AB) |
| XPA2 | 16235 | 21-7 | 1120 | Wed | 04111 00001 00000 32655 | MFSK-16/20Bd | (AB) |
| XPA2 | 14935 | 21-7 | 1140 | Wed | 04111 00001 00000 32655 | MFSK-16/20Bd | (AB) |
| XPA2 | 12124 | 21-7 | 2100 | Wed | 06377 00102 66535 ... 13220 55241 66561 | MFSK-16/20Bd | (AB) |
| XPA2 | 11124 | 21-7 | 2120 | Wed | 06377 00102 66535 ... 13220 55241 66561 | MFSK-16/20Bd | (AB) |
| XPA2 | 10624 | 21-7 | 2140 | Wed | 06377 00102 66535 ... 13220 55241 66561 | MFSK-16/20Bd | (AB) |
| XPA2 | 13445 | 22-7 | 0910 | Thu | 00554 00120 42530 ... 35627 36772 00145 | MFSK-16/20Bd | (AB) |
| XPA2 | 12145 | 22-7 | 0930 | Thu | 00554 00120 42530 ... 35627 36772 00145 | MFSK-16/20Bd | (AB) |
| XPA2 | 11545 | 22-7 | 0950 | Thu | 00554 00120 42530 ... 35627 36772 00145 | MFSK-16/20Bd | (AB) |
| XPA2 | 17435 | 22-7 | 1100 | Thu | 03239 00001 00000 36656 | MFSK-16/20Bd | (AB) |
| XPA2 | 16235 | 22-7 | 1120 | Thu | 03239 00001 00000 36656 | MFSK-16/20Bd | (AB) |
| XPA2 | 14935 | 22-7 | 1140 | Thu | 03239 00001 00000 36656 | MFSK-16/20Bd | (AB) |

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|------|-------|------|------|-----|-----------------------------------------|--------------|----------|
| XPA2 | 13538 | 22-7 | 1600 | Thu | 08486 00001 00000 36270 | MFSK-16/20Bd | (AB) |
| XPA2 | 14438 | 22-7 | 1620 | Thu | 08486 00001 00000 36270 | MFSK-16/20Bd | (AB) |
| XPA2 | 14938 | 22-7 | 1640 | Thu | 08486 00001 00000 36270 | MFSK-16/20Bd | (AB) |
| XPA2 | 14958 | 23-7 | 1100 | Fri | 00225 00068 45939 ... 23612 51263 17000 | MFSK-16/20Bd | (AB) |
| XPA2 | 13958 | 23-7 | 1120 | Fri | 00225 00068 45939 ... 23612 51263 17000 | MFSK-16/20Bd | (AB) |
| XPA2 | 12158 | 23-7 | 1140 | Fri | 00225 00068 45939 ... 23612 51263 17000 | MFSK-16/20Bd | (AB) |
| XPA2 | 12124 | 23-7 | 2100 | Fri | 06377 00102 66535 ... 13220 55241 66561 | MFSK-16/20Bd | (AB) |
| XPA2 | 11124 | 23-7 | 2120 | Fri | 06377 00102 66535 ... 13220 55241 66561 | MFSK-16/20Bd | (AB) |
| XPA2 | 10624 | 23-7 | 2140 | Fri | 06377 00102 66535 ... 13220 55241 66561 | MFSK-16/20Bd | (AB) |
| XPA2 | 13445 | 24-7 | 0910 | Sat | 00554 00120 42530 ... 35627 36772 00145 | MFSK-16/20Bd | (AB) |
| XPA2 | 12145 | 24-7 | 0930 | Sat | 00554 00120 42530 ... 35627 36772 00145 | MFSK-16/20Bd | (AB) |
| XPA2 | 11545 | 24-7 | 0950 | Sat | 00554 00120 42530 ... 35627 36772 00145 | MFSK-16/20Bd | (AB) |
| XPA2 | 13954 | 24-7 | 1500 | Sat | 03731 00001 00000 35256 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 12154 | 24-7 | 1520 | Sat | 03731 00001 00000 35256 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 11454 | 24-7 | 1540 | Sat | 03731 00001 00000 35256 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13394 | 25-7 | 2100 | Sun | 05817 00106 38571 ... 13564 34400 11626 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 12194 | 25-7 | 2120 | Sun | 05817 00106 38571 ... 13564 34400 11626 | MFSK-16/20Bd | (AB) |
| XPA2 | 10794 | 25-7 | 2140 | Sun | 05817 00106 38571 ... 13564 34400 11626 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 12148 | 26-7 | 0700 | Mon | 08234 00001 00000 34263 | MFSK-16/20Bd | (AB) |
| XPA2 | 13448 | 26-7 | 0720 | Mon | 08234 00001 00000 34263 | MFSK-16/20Bd | (AB) |
| XPA2 | 13948 | 26-7 | 0740 | Mon | 08234 00001 00000 34263 | MFSK-16/20Bd | (AB) |
| XPA2 | 16296 | 26-7 | 0910 | Mon | 09079 00086 45095 ... 77537 37024 57554 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14981 | 26-7 | 0930 | Mon | 09079 00086 45095 ... 77537 37024 57554 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13953 | 26-7 | 0950 | Mon | 09079 00086 45095 ... 77537 37024 57554 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13954 | 26-7 | 1500 | Mon | 05593 00001 00000 35267 | MFSK-16/20Bd | (AB) |
| XPA2 | 12154 | 26-7 | 1520 | Mon | 05593 00001 00000 35267 | MFSK-16/20Bd | (AB) |
| XPA2 | 11454 | 26-7 | 1540 | Mon | 05593 00001 00000 35267 | MFSK-16/20Bd | (AB) |
| XPA2 | 14958 | 27-7 | 1100 | Tue | 08366 00001 00000 35666 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13958 | 27-7 | 1120 | Tue | 08366 00001 00000 35666 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 12158 | 27-7 | 1140 | Tue | 08366 00001 00000 35666 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13538 | 27-7 | 1600 | Tue | 05802 00001 00000 36255 | MFSK-16/20Bd | (AB) |
| XPA2 | 14438 | 27-7 | 1620 | Tue | 05802 00001 00000 36255 | MFSK-16/20Bd | (AB) |
| XPA2 | 14938 | 27-7 | 1640 | Tue | 05802 00001 00000 36255 | MFSK-16/20Bd | (AB) |
| XPA2 | 13394 | 27-7 | 2100 | Tue | 09728 00156 69196 ... 65627 76060 12443 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 12194 | 27-7 | 2120 | Tue | 09728 00156 69196 ... 65627 76060 12443 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 10794 | 27-7 | 2140 | Tue | 09728 00156 69196 ... 65627 76060 12443 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 12148 | 28-7 | 0700 | Wed | 05987 00001 00000 41265 | MFSK-16/20Bd | (AB) |
| XPA2 | 13448 | 28-7 | 0720 | Wed | 05987 00001 00000 41265 | MFSK-16/20Bd | (AB) |
| XPA2 | 13948 | 28-7 | 0740 | Wed | 05987 00001 00000 41265 | MFSK-16/20Bd | (AB) |
| XPA2 | 16296 | 28-7 | 0910 | Wed | 09079 00086 45095 ... 77537 37024 57554 | MFSK-16/20Bd | (AB) |
| XPA2 | 14981 | 28-7 | 0930 | Wed | 09079 00086 45095 ... 77537 37024 57554 | MFSK-16/20Bd | (AB) |
| XPA2 | 13953 | 28-7 | 0950 | Wed | 09079 00086 45095 ... 77537 37024 57554 | MFSK-16/20Bd | (AB) |

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|------|-------|------|------|-----|-----------------------------------------|--------------|----------|
| XPA2 | 17435 | 28-7 | 1100 | Wed | 04402 00039 84935 ... 80269 80902 62062 | MFSK-16/20Bd | (AB) |
| XPA2 | 16235 | 28-7 | 1120 | Wed | 04402 00039 84935 ... 80269 80902 62062 | MFSK-16/20Bd | (AB) |
| XPA2 | 14935 | 28-7 | 1140 | Wed | 04402 00039 84935 ... 80269 80902 62062 | MFSK-16/20Bd | (AB) |
| XPA2 | 12124 | 28-7 | 2100 | Wed | 00386 00128 46661 ... 97732 47804 06073 | MFSK-16/20Bd | (AB) |
| XPA2 | 11124 | 28-7 | 2120 | Wed | 00386 00128 46661 ... 97732 47804 06073 | MFSK-16/20Bd | (AB) |
| XPA2 | 10624 | 28-7 | 2140 | Wed | 00386 00128 46661 ... 97732 47804 06073 | MFSK-16/20Bd | (AB) |
| XPA2 | 13445 | 29-7 | 0910 | Thu | 03604 00066 23351 ... 52457 59864 52770 | MFSK-16/20Bd | (AB) |
| XPA2 | 12145 | 29-7 | 0930 | Thu | 03604 00066 23351 ... 52457 59864 52770 | MFSK-16/20Bd | (AB) |
| XPA2 | 11545 | 29-7 | 0950 | Thu | 03604 00066 23351 ... 52457 59864 52770 | MFSK-16/20Bd | (AB) |
| XPA2 | 17435 | 29-7 | 1100 | Thu | 04402 00039 84935 ... 80269 80902 62062 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 16235 | 29-7 | 1120 | Thu | 04402 00039 84935 ... 80269 80902 62062 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14935 | 29-7 | 1140 | Thu | 04402 00039 84935 ... 80269 80902 62062 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13538 | 29-7 | 1600 | Thu | 03309 00001 00000 37253 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14438 | 29-7 | 1620 | Thu | 03309 00001 00000 37253 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14938 | 29-7 | 1640 | Thu | 03309 00001 00000 37253 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 14958 | 30-7 | 1100 | Fri | 06101 00001 00000 32256 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 13958 | 30-7 | 1120 | Fri | 06101 00001 00000 32256 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 12158 | 30-7 | 1140 | Fri | 06101 00001 00000 32256 | MFSK-16/20Bd | (AB/MPJ) |
| XPA2 | 12124 | 30-7 | 2100 | Fri | 00386 00128 46661 ... 97732 47804 06073 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 11124 | 30-7 | 2120 | Fri | 00386 00128 46661 ... 97732 47804 06073 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 10624 | 30-7 | 2140 | Fri | 00386 00128 46661 ... 97732 47804 06073 | MFSK-16/20Bd | (AB/RL) |
| XPA2 | 13445 | 31-7 | 0910 | Sat | 03604 00066 23351 ... 52457 59864 52770 | MFSK-16/20Bd | (AB) |
| XPA2 | 12145 | 31-7 | 0930 | Sat | 03604 00066 23351 ... 52457 59864 52770 | MFSK-16/20Bd | (AB) |
| XPA2 | 11545 | 31-7 | 0950 | Sat | 03604 00066 23351 ... 52457 59864 52770 | MFSK-16/20Bd | (AB) |
| XPA2 | 13954 | 31-7 | 1500 | Sat | 06785 00001 00000 37266 | MFSK-16/20Bd | (AB) |
| XPA2 | 12154 | 31-7 | 1520 | Sat | 06785 00001 00000 37266 | MFSK-16/20Bd | (AB) |
| XPA2 | 11454 | 31-7 | 1540 | Sat | 06785 00001 00000 37266 | MFSK-16/20Bd | (AB) |
| XPB1 | 15876 | 3-7 | 1200 | Sat | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 14876 | 3-7 | 1210 | Sat | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 14376 | 3-7 | 1220 | Sat | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 13976 | 3-7 | 1230 | Sat | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 13376 | 3-7 | 1240 | Sat | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 12176 | 3-7 | 1250 | Sat | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 14644 | 4-7 | 1900 | Sun | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 13444 | 4-7 | 1910 | Sun | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 12144 | 4-7 | 1920 | Sun | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 11044 | 4-7 | 1930 | Sun | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 10344 | 4-7 | 1940 | Sun | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 9244 | 4-7 | 1950 | Sun | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 11168 | 5-7 | 0500 | Mon | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 11468 | 5-7 | 0510 | Mon | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 12168 | 5-7 | 0520 | Mon | Russian intel. | MFSK-16 | (AB/HFD) |

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|------|-------|------|------|-----|----------------|---------|----------|
| XPB1 | 13368 | 5-7 | 0530 | Mon | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 13969 | 5-7 | 0540 | Mon | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 14569 | 5-7 | 0550 | Mon | Russian intel. | MFSK-16 | (AB/HFD) |
| XPB1 | 15876 | 5-7 | 1200 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14876 | 5-7 | 1210 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14376 | 5-7 | 1220 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13976 | 5-7 | 1230 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13376 | 5-7 | 1240 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12176 | 5-7 | 1250 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11168 | 6-7 | 0500 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11468 | 6-7 | 0510 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12168 | 6-7 | 0520 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13368 | 6-7 | 0530 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13969 | 6-7 | 0540 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14569 | 6-7 | 0550 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14644 | 6-7 | 1900 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13444 | 6-7 | 1910 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12144 | 6-7 | 1920 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11044 | 6-7 | 1930 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 10344 | 6-7 | 1940 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 9244 | 6-7 | 1950 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 15876 | 10-7 | 1200 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 14876 | 10-7 | 1210 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 14376 | 10-7 | 1220 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 13976 | 10-7 | 1230 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 13376 | 10-7 | 1240 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 12176 | 10-7 | 1250 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 14644 | 11-7 | 1900 | Sun | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13444 | 11-7 | 1910 | Sun | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12144 | 11-7 | 1920 | Sun | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11044 | 11-7 | 1930 | Sun | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 10344 | 11-7 | 1940 | Sun | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 9244 | 11-7 | 1950 | Sun | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11168 | 12-7 | 0500 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11468 | 12-7 | 0510 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12168 | 12-7 | 0520 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13368 | 12-7 | 0530 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13969 | 12-7 | 0540 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14569 | 12-7 | 0550 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 15876 | 12-7 | 1200 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14876 | 12-7 | 1210 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14376 | 12-7 | 1220 | Mon | Russian intel. | MFSK-16 | (AB) |

| | | | | | | | |
|------|-------|------|------|-----|----------------|---------|----------|
| XPB1 | 13976 | 12-7 | 1230 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13376 | 12-7 | 1240 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12176 | 12-7 | 1250 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11168 | 13-7 | 0500 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11468 | 13-7 | 0510 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12168 | 13-7 | 0520 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13368 | 13-7 | 0530 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13969 | 13-7 | 0540 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14569 | 13-7 | 0550 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14644 | 13-7 | 1900 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13444 | 13-7 | 1910 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12144 | 13-7 | 1920 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11044 | 13-7 | 1930 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 10344 | 13-7 | 1940 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 9244 | 13-7 | 1950 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 15876 | 17-7 | 1200 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 14876 | 17-7 | 1210 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 14376 | 17-7 | 1220 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 13976 | 17-7 | 1230 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 13376 | 17-7 | 1240 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 12176 | 17-7 | 1250 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 14644 | 18-7 | 1900 | Sun | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13444 | 18-7 | 1910 | Sun | Russian intel. | MFSK-16 | (AB/RL) |
| XPB1 | 12144 | 18-7 | 1920 | Sun | Russian intel. | MFSK-16 | (AB/RL) |
| XPB1 | 11044 | 18-7 | 1930 | Sun | Russian intel. | MFSK-16 | (AB/RL) |
| XPB1 | 10344 | 18-7 | 1940 | Sun | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 9244 | 18-7 | 1950 | Sun | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11168 | 19-7 | 0500 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11468 | 19-7 | 0510 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12168 | 19-7 | 0520 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13368 | 19-7 | 0530 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13969 | 19-7 | 0540 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14569 | 19-7 | 0550 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 15876 | 19-7 | 1200 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14876 | 19-7 | 1210 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14376 | 19-7 | 1220 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13976 | 19-7 | 1230 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13376 | 19-7 | 1240 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12176 | 19-7 | 1250 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11168 | 20-7 | 0500 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11468 | 20-7 | 0510 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12168 | 20-7 | 0520 | Tue | Russian intel. | MFSK-16 | (AB) |

| | | | | | | | |
|-------------|-------|------|------|-----|----------------|---------|----------|
| XPB1 | 13368 | 20-7 | 0530 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13969 | 20-7 | 0540 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14569 | 20-7 | 0550 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14644 | 20-7 | 1900 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13444 | 20-7 | 1910 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12144 | 20-7 | 1920 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11044 | 20-7 | 1930 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 10344 | 20-7 | 1940 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 9244 | 20-7 | 1950 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13884 | 21-7 | 1100 | Wed | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13384 | 21-7 | 1110 | Wed | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12184 | 21-7 | 1120 | Wed | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11584 | 21-7 | 1130 | Wed | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11084 | 21-7 | 1140 | Wed | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 10584 | 21-7 | 1150 | Wed | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13884 | 24-7 | 1100 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 13384 | 24-7 | 1110 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 12184 | 24-7 | 1120 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 11584 | 24-7 | 1130 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 11084 | 24-7 | 1140 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 10584 | 24-7 | 1150 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 15876 | 24-7 | 1200 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 14876 | 24-7 | 1210 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 14376 | 24-7 | 1220 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 13976 | 24-7 | 1230 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 13376 | 24-7 | 1240 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 12176 | 24-7 | 1250 | Sat | Russian intel. | MFSK-16 | (AB/MPJ) |
| XPB1 | 14644 | 25-7 | 1900 | Sun | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13444 | 25-7 | 1910 | Sun | Russian intel. | MFSK-16 | (AB/RL) |
| XPB1 | 12144 | 25-7 | 1920 | Sun | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11044 | 25-7 | 1930 | Sun | Russian intel. | MFSK-16 | (AB/RL) |
| XPB1 | 10344 | 25-7 | 1940 | Sun | Russian intel. | MFSK-16 | (AB/RL) |
| XPB1 | 9244 | 25-7 | 1950 | Sun | Russian intel. | MFSK-16 | (AB/RL) |
| XPB1 | 11168 | 26-7 | 0500 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11468 | 26-7 | 0510 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12168 | 26-7 | 0520 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13368 | 26-7 | 0530 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13969 | 26-7 | 0540 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14569 | 26-7 | 0550 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 15876 | 26-7 | 1200 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14876 | 26-7 | 1210 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14376 | 26-7 | 1220 | Mon | Russian intel. | MFSK-16 | (AB) |

| | | | | | | | |
|------|-------|------|------|-----|----------------|---------|------|
| XPB1 | 13976 | 26-7 | 1230 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13376 | 26-7 | 1240 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12176 | 26-7 | 1250 | Mon | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11168 | 27-7 | 0500 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11468 | 27-7 | 0510 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12168 | 27-7 | 0520 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13368 | 27-7 | 0530 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13969 | 27-7 | 0540 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14569 | 27-7 | 0550 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14644 | 27-7 | 1900 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13444 | 27-7 | 1910 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12144 | 27-7 | 1920 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11044 | 27-7 | 1930 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 10344 | 27-7 | 1940 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 9244 | 27-7 | 1950 | Tue | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13884 | 28-7 | 1100 | Wed | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13384 | 28-7 | 1110 | Wed | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12184 | 28-7 | 1120 | Wed | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11584 | 28-7 | 1130 | Wed | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11084 | 28-7 | 1140 | Wed | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 10584 | 28-7 | 1150 | Wed | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13884 | 31-7 | 1100 | Sat | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13384 | 31-7 | 1110 | Sat | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12184 | 31-7 | 1120 | Sat | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11584 | 31-7 | 1130 | Sat | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 11084 | 31-7 | 1140 | Sat | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 10584 | 31-7 | 1150 | Sat | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 15876 | 31-7 | 1200 | Sat | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14876 | 31-7 | 1210 | Sat | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 14376 | 31-7 | 1220 | Sat | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13976 | 31-7 | 1230 | Sat | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 13376 | 31-7 | 1240 | Sat | Russian intel. | MFSK-16 | (AB) |
| XPB1 | 12176 | 31-7 | 1250 | Sat | Russian intel. | MFSK-16 | (AB) |

CONTRIBUTORS

| | |
|---------|---------------------------------------------|
| AB | Ary Boender, Netherlands |
| AB-FIN | Ary Boender via remote rx Finland |
| AB-GRC | Ary Boender via remote rx Greece |
| AB-HNG | Ary Boender via remote rx Hungary |
| AB-J | Ary Boender via remote rx Japan |
| AB-KWT | Ary Boender via remote rx Kuwait |
| AB-POL | Ary Boender via remote rx Poland |
| AB-RUS | Ary Boender via remote rx Russia |
| AB-UKR | Ary Boender via remote rx Ukraine |
| AB-USA | Ary Boender via remote rx USA |
| BV2 | Balsamic Vinegar via Pryom |
| CL | Carlos Latuff, Brazil |
| Dan | Daniel LU5EMM, Argentina |
| Dan-J | Daniel LU5EMM via remote rx Japan |
| ES | Edward Smith, UK |
| ES-HOL | Edward Smith via remote rx Netherlands |
| ES-RUS | Edward Smith via remote rx Russia |
| EW | Eddy Waters, Australia |
| Gwr | Gwraspe |
| HFD | Hans-Friedrich Dumrese, Germany |
| HFD-J | Hans-Friedrich Dumrese via remote rx Japan |
| HFD-RUS | Hans-Friedrich Dumrese via remote rx Russia |
| HFD-USA | Hans-Friedrich Dumrese via remote rx USA |
| HS | Hugh Stegman, USA |
| JPL | JPL, NB, Canada (and various remote rx) |
| JPL-HK | JPL via remote rx Hong Kong |
| JPL-TWN | JPL via remote rx Taiwan |
| MPJ | Jim, SW England |
| MPJ-HNG | Jim via remote rx Hungary |
| MPJ-HOL | Jim via remote rx Netherlands |
| MPJ-I | Jim via remote rx Italy |
| MPJ-POL | Jim via remote rx Poland |
| PY | Pierre Ynard, France and via remote rx |
| RL | Roberto Landolpho, Brazil |
| RR2 | Rich Ray, IL, USA |
| Sublio | Sublio |
| T101 | radiotehnikaT101 via Priyom |

Designators

Prefixes

| | |
|-------|---------------------------------------------------------------------------------|
| E | English language |
| F | FSK (Frequency Shift Keying) modes |
| G | German language |
| HM | Hybrids of analog and digital modes |
| M(C) | Morse code (Chinese) |
| P | QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes |
| Q | 4+4 QPSK mode |
| S | Slavic languages |
| UM(C) | Unid Morse station (Chinese) |
| V | Voice broadcasts in other languages |
| VC | Voice Chinese |
| XP | MFSK (polytone) modes |

Active voice stations

| Code | Language | Origin | Related stations |
|------|----------|-------------|-------------------------------------------|
| E06 | English | Russia | G06, S06, S06b, S06c, M14, F01, F06, F06a |
| E07 | English | Russia | E07a, V07, M12, XPA1, XPA2, XPB1 |
| E07a | English | Russia | E07, V07, M12, XPA1, XPA2, XPB1 |
| E11 | English | Poland | E11a, S11a, F03, P03 |
| E11a | English | Poland | E11, S11a, F03, P03 |
| E17z | English | Ukraine | S06s |
| E25 | English | Egypt | E25a |
| E25a | English | Egypt | E25 |
| G06 | German | Russia | E06, S06, S06b, S06c, M14, F01, F06, F06a |
| S06 | Russian | Russia | E06, G06, S06b, S06c, M14, F01, F06, F06a |
| S06b | Russian | Russia | E06, G06, S06, S06c, M14, F01, F06, F06a |
| S06c | Russian | Russian | E06, G06, S06, S06b, M14, F01, F06, F06a |
| S06s | Russian | Ukraine | E17z |
| S11a | Russian | Poland | E11, E11a, F03, P03 |
| S25 | Russian | Russia | |
| V07 | Spanish | Russia | E07, M12, XPA1, XPA2, XPB1 |
| V13 | Mandarin | Taiwan | |
| V15 | Korean | North Korea | |
| V24 | Korean | South Korea | |
| V26 | Chinese | China | M95, Q26 |
| V28 | Korean | North Korea | |
| VC01 | Chinese | China | VC03, MC03 |
| VC03 | Chinese | China | VC01, MC03 |

Active morse stations

| Code | Mode | Origin | Related stations |
|------|-------|--------|-------------------------------------------|
| M01 | Morse | Russia | M01a |
| M01a | Morse | Russia | M01 |
| M12 | Morse | Russia | E07, V07, XPA1, XPA2, XPBa |
| M14 | Morse | Russia | E06, G06, S06, S06b, S06c, F01, F06, F06a |
| M21 | Morse | Russia | M41 |
| M22 | Morse | Israel | |
| M23 | Morse | France | |
| M41 | Morse | Russia | M21 |
| M51a | Morse | France | M51b |
| M51b | Morse | France | M51a |
| M89 | Morse | China | |
| M95 | Morse | China | V26, Q26 |
| MC03 | Morse | China | VC01, VC03 |
| UM03 | Morse | China | |
| UM10 | Morse | ? | |

Active digital stations

| Code | Mode | Origin | Related stations |
|------|------------|--------|-------------------------------------------|
| F01 | FSK | Russia | E06, G06, S06, S06b, S06c, M14, F06, F06a |
| F03 | 2FSK, 4FSK | Poland | E11, E11a, S11a, P03 |
| F06 | FSK | Russia | E06, G06, S06, S06b, S06c, M14, F01, F06a |
| F06a | FSK | Russia | E06, G06, S06, S06b, S06c, M14, F01, F06 |
| HM01 | Voice/RDFT | Cuba | |
| M42 | Various | Russia | |
| P03 | BPSK, QPSK | Poland | E11, E11a, S11a, F03 |
| Q26 | 4+4 QPSK | China | V26, M95 |
| XPA | MFSK-20 | Russia | E07, V07, M12, XPA2, XPB1 |
| XPA2 | MFSK-16 | Russia | E07, V07, M12, XPA1, XPB1 |
| XPB | MFSK-16 | Russia | E07, V07, M12, XPA1, XPA2 |

Figures and words used by the various numbers stations

Cut numbers

Several stations are using cut numbers. Often only the zero which is represented by the letter “T”.

M89 and M95 cut numbers A U 3 4 5 6 7 D N T
 1 2 3 4 5 6 7 8 9 0

M08a cut numbers A N D U W R I G M T
 1 2 3 4 5 6 7 8 9 0

| Figure | English | French | German | Mandarin | Spanish | Russian | Arabic |
|--------|---------|--------|--------|----------|---------|----------|---------|
| 0 | Zero | Zero | Null | Ling | Cero | Null | Sifr |
| 1 | One | Un | Eins | Yi | Uno | Odín | Wahid |
| 2 | Two | Deux | Zwei | Er | Dos | Dva | 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 |
| = | — . . . — | | | | | |
| / | — | | | | | |

| Word | E11a | S11a | M03 |
|-----------|-----------|----------|-----------|
| Attention | Attention | Vnimanye | |
| Slash / | Oblique | Cirta | — |
| Out | Out | Konets | |

Note: M03 and M08a are defunct.

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 [BT =] | - . . . - |
| 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>

COLOPHON

"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.

All information in this newsletter was submitted by independent radio monitors or has been obtained from public available sources and public sites on the web. Wherever data was obtained via the web or elsewhere, references and/or links to these sources have been noted.

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Relevant mailing lists and websites:

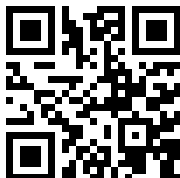
| | |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------|
| NUMBERS & ODDITIES | http://www.numbersoddities.nl |
| SPY NUMBERS ONLINE DATABASE | http://www.spynumbers.com/numbersDB |
| UDXF - UTILITY DXERS FORUM | http://www.udxf.nl |
| HF UNDERGROUND | http://www.hfunderground.com/board/ |
| PRIYOM | http://priyom.org/ |
| ENIGMA | http://www.signalshed.com/ |
| NUMBERS STATIONS SCHEDULES | http://priyom.org/number-stations/station-schedule |

To become an UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

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976 27364 92886 89428 61288 14982 36498 32764 81276 81
986 40932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 70
723 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98678 27681 56781 57681 73648 1
7591 87364 87265 96718 27638 12673 84769 28743 98127 5
758 63298 75698 27465 87326 49876 28376 81273 98615 86
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