

FOREWORD

I just have a lot on my plate right now while I'm finishing up Numbers & Oddities and four other projects that are due this week. Therefore no foreword but right to the transcripts and logs and a link to an article.

A nice article about the first Mossad antenna was sent to me. Although the article is 9 years old it still is nice to read. You might be interested too <https://www.haaretz.com/1.5106171>



Porthcurno Telegraph Museum, Cornwall, UK

VOICE STATIONS

E06

20085 kHz, 06-02/07-02, 0700 UTC

702 196 54

38308 51179 28453 65970 67018 53282 83179 17987 05639 72182

72206 63376 72072 92687 71009 11731 50285 89679 04268 12786

95668 48689 17487 58295 63162 00244 17468 28144 56559 60162

42569 85385 22449 93007 48683 49892 37222 40863 21880 05308

60578 84626 53643 18989 53979 30020 39645 79619 87477 35486

87989 82188 83363 24168

196 54 00000

4836 kHz, 06-02, 2030 UTC

321 406 42

45671 65736 96930 23572 72375 23672 92358 23653 29359 23659

12345 23582 23692 60232 23658 23689 13245 23682 03956 01956

69382 23765 83726 96874 27165 96844 43837 34572 28716 65896

23876 26372 90684 76845 27252 13945 76845 94038 37265 57693

48690 03856

406 42 00000

4760 kHz, 07-02, 2130 UTC. Null message followed by a message

472 472 472 00000

472 406 42

45671 65736 96930 23572 72375 23672 92358 23653 29359 23659
12345 23582 23692 60232 23658 23689 13245 23682 03956 01956
69382 23765 83726 96874 27165 96844 43837 34572 28716 65896
23876 26372 90684 76845 27252 13945 76845 94038 37265 57693
48690 03856
406 42 00000

20090 kHz, 20-02, 0700 UTC

17465/20085 kHz, 21-02, 0600/0700 UTC

702 368 51

13488 83763 43499 85329 02006 06822 82126 01028 09192 33228
89115 32637 23531 33713 34590 70881 47129 03731 95515 83094
13229 94832 31275 49376 13213 93389 96067 27416 44003 01378
61558 59497 11819 98890 48220 22956 53215 93088 88800 41280
59341 83255 72365 98047 14367 96653 42332 20876 83996 74872
46959
368 51 00000

4836 kHz, 20-02, 2030 UTC

321 242 44

31532 37905 68553 78912 87443 94012 18514 01953 38414 13202
41945 23285 15802 65245 87462 78912 87463 94562 18912 84853
49067 42412 15464 75612 14352 34585 68553 23462 73459 41847
21250 10473 27624 17023 54332 81220 81244 41265 96183 74874
66753 78203 80329 38780
242 44 00000
Windows XP shutdown sound

4760 kHz, 21-02, 2130 UTC

472 242 44

31532 37905 68553 78912 87443 94012 18514 01953 38414 13202
41945 23285 15802 65245 87462 78912 87463 94562 18912 84853
49067 42412 15464 75612 14352 34585 68553 23462 73459 41847
21250 10473 27624 17023 54332 81220 81244 41265 96183 74874
66753 78203 80329 38780
242 44 00000
Windows XP shutdown sound

E07

13368/12168/11168 kHz, 01-02, 1410/1430/1450 UTC

745 745 745 1 2602 78 2602 78

14202 31975 65006 84915 80353 89693 72922 48114 06381 14180
97212 52438 23573 42207 23210 85773 75355 98403 81738 87760
52640 34202 75785 34269 23265 62764 43079 07678 37198 24346
72116 57376 57858 79704 47516 68381 26894 99684 68581 61789
57629 20798 85874 85076 58004 26119 60606 76981 45809 50148
12192 70730 61972 06491 14140 17530 78403 84518 23786 34699
26445 55335 49267 88460 45818 56195 10446 85428 12174 00548
71671 13768 84978 87045 95893 44337 92487 08648 000 000

15823/16323/18623 kHz, 04-02/07-02, 0700/0720/0740 UTC

836 1 346 112 346 112

21785 08671 65186 32184 90152 23880 16443 19067 01158 49685
64295 68144 54099 24905 34726 55364 77085 10705 61392 62203
70813 51180 16017 40235 75203 83248 73704 40884 62542 11395
34897 53848 75230 18597 02561 60090 03203 69229 48878 89667
82676 17685 91293 85781 02220 11467 97879 82873 13385 52035
07701 20488 46828 85029 81182 04193 69959 21885 78744 66038
82886 30095 88087 17545 43444 03922 68180 09840 40739 45094
50157 71671 25663 46657 43687 72584 45609 59710 98221 09930
92844 96336 59371 31747 70000 52396 45033 92648 71827 29357
67355 28366 09641 88502 10108 96571 02709 70020 05754 59611
93406 89454 73824 61709 78978 55980 62130 14932 69081 84744
94602 08152 000 000

16161/14661/13361 kHz, 04-02/07-02, 1100/1120/1140 UTC

163 163 163 1 116 54 116 54

17572 62543 69754 67828 15620 94394 64592 55059 42786 18596
32468 24585 64279 76397 66093 86688 43022 81153 63102 87723
60115 27260 45954 43968 03126 99205 49635 74747 12947 99139
50134 24962 28812 98253 28256 31969 71842 14587 04690 86717
55291 54189 53397 61982 82222 64150 08204 23998 20976 24080
66248 52557 34750 69926 000 000

11464/10764/9264 kHz, 08-02/15-02, 1400/1435/1510 UTC

9326/10426/11526 kHz, 09-02/16-02, 0700/0735/0810 UTC

345 345 345 1 988 279 988 279

88420 03454 58780 67863 48271 65979 71762 97776 93581 86718
67566 65653 96304 40546 29553 28484 56405 79291 41352 48320
46175 04130 08546 41867 26233 59037 68860 31071 92078 36471
50009 19057 71585 11768 21684 30365 13672 42896 16127 07937
80613 99872 76665 33126 75870 54009 09766 13857 88395 86141
97219 70356 91952 61593 64504 82398 93944 84040 62471 04518
11047 38193 00386 38527 88589 51770 43175 76731 74567 20387
33637 22987 36227 66763 03082 09689 47228 55234 66060 53827
37608 13736 74595 06214 07479 52976 18066 29645 44548 14417
98820 70952 67814 58063 98408 67556 13694 95402 18270 62308
54557 60506 92746 79278 51642 99703 68217 23669 42872 17723
09403 01296 88486 90821 82612 41126 22889 95293 13670 04536
80638 59500 99179 94336 74939 55028 74202 33240 08959 73309
31437 92968 28158 90349 20704 69674 32529 15455 38264 27476
74508 22985 71495 18563 34108 06725 24666 96758 43840 12134
04884 88861 40915 60121 49663 62816 33536 99142 98422 65311
56287 06740 70421 11876 37472 29874 33184 60777 91190 78488
66770 96918 26815 84749 78757 14770 10080 73631 45243 71896
92560 20357 32575 55731 78878 36111 35967 76898 03787 58351
91557 08788 50970 85850 27904 44996 17914 81702 74300 96762
99344 61689 20295 10195 53362 92559 60224 66829 73938 29425
87824 51210 97884 31440 90057 87874 97433 61323 86646 05562
32665 47845 25208 11650 98472 26108 28577 39420 56114 15031
37832 36586 45367 83261 77446 46644 38612 37053 98793 77074
24313 71962 06011 56903 30135 45878 00624 42978 68127 38626
18436 32963 37302 88089 79967 35164 39584 80452 10482 35651
85236 49826 25660 12043 60164 55622 91004 58081 61348 78316
41061 25395 72152 68581 94969 87518 64921 82408 03573 000 000

16161/14661/13361 kHz, 11-02/14-02/18-02/21-02, 1100/1120/1140 UTC

163 163 163 1 477 112 477 112

37949 07873 86923 54079 68013 51818 26961 19592 76716 66823
16485 51191 95070 24420 99006 82125 40801 98181 57030 37539
92676 85565 09044 49000 30064 02233 82078 39141 42433 02387
31800 02620 58433 53370 74654 22777 74303 02437 78855 40561
11446 01384 14353 48852 83973 64307 63861 89488 55294 40760
08818 08698 55237 41768 29649 76040 70720 05205 57091 74107
85154 74647 05020 96082 29399 23053 84425 87100 28604 97678
42062 01891 30722 85728 29969 23874 33414 17227 81799 11460
11858 60361 77062 04366 83922 28742 45039 18385 26546 29063
20776 01116 22345 22736 14624 74851 90669 50546 17387 20359
74154 08866 90748 87903 55254 72340 59261 67773 26961 22679
04311 72968 000 000

8144/6944/5744 kHz, 12-02/16-02/23-02/26-02, 1800/1828/1855 UTC

197 197 197 1 9097 205 9097 205

95999 53625 04308 44620 42336 81275 37906 99192 45409 24610
93370 03017 40147 97080 31607 08762 80267 85324 63882 07451
52419 78846 65327 69996 25260 60684 68847 97111 35225 19590
13275 32613 48362 03771 39714 85767 06217 14482 77581 30279
55325 44263 80517 98066 47862 68154 14335 25148 97444 52744
97330 44846 41847 90754 47511 30174 39833 27047 38141 65233
48365 77891 43177 40403 24967 13354 07569 52772 70403 51411
75054 43224 01706 70219 66020 85830 07657 79669 77634 00762
16142 26042 24668 10452 36182 89582 03532 62572 76666 90661
50750 50666 70307 90152 11113 91305 62691 66845 24716 93937
89022 94470 07507 40801 95858 06860 76447 78297 56052 49637
38986 60203 39347 47588 02412 64562 85988 13426 91820 05293
50295 14301 93643 96392 61332 61364 11316 50376 91905 18404
78397 00830 45793 09129 70277 04753 19056 94379 26840 95562
59119 74618 16984 92529 39790 48890 70643 64348 55788 55797
15888 43685 46179 14271 10342 35495 74825 34191 07901 74211
15096 54332 88768 32698 69924 10831 16354 54592 72987 89982
36528 46948 29869 58787 86677 65331 37759 81572 42110 18699
60986 80058 12040 60451 46295 84808 48128 39017 78119 70022
40843 28748 98756 76999 19122 88294 32154 64743 71308 89382
11734 35308 79544 53085 44901 000 000

8157/6857/5257 kHz, 17-02/19-02, 2000/2020/2040 UTC

182 182 182 1 960 89 960 89

73036 18208 21727 28169 54254 32933 55381 88447 67417 00266
52967 99684 80289 20834 53050 51469 95598 16775 64914 94122
18128 75675 21579 03504 83521 61070 47294 79672 36373 14313
52750 73860 12194 87239 46916 85854 60485 69058 38163 17952
54221 86196 71463 18282 76003 45160 59046 84393 06611 16290
54001 02986 65654 17098 47744 73376 83352 75983 21894 26383
14221 40290 28143 23532 20173 98107 21952 92765 06950 34634
20157 39982 72742 73532 21373 16312 21859 28812 43563 36268
32632 13368 32642 78031 10624 31849 69905 81783 04161 000 000

15823/16323/18623 kHz, 18-02/21-02, 0700/0720/0740 UTC

836 836 836 1 3116 97 3116 97

88507 12238 89989 30767 21841 34141 93680 99236 68750 22782
99872 93230 22442 42523 64397 29266 96458 68702 49131 81123
49027 79893 43297 98060 12071 40302 59779 62076 87803 51243
83867 45716 48339 57670 49761 63945 25396 25957 79007 26137
84870 54967 48526 99691 84248 61726 42263 55178 52035 74869
37842 89996 42374 90336 24461 99412 15470 37685 68712 12239
94610 07990 46496 47718 58794 36724 53930 26916 88372 51713
66895 33451 73154 99864 38910 03479 04985 77269 10180 28905
99736 53358 59368 27739 05111 96855 15096 64205 02737 31971
30125 99501 92256 57289 72768 60923 48053 000 000

13368/12168/11168 kHz, 20-02/22-02, 1410/1430/1450 UTC

745 745 745 1 7189 65 7189 65

53492 26885 05597 56957 79578 08445 09147 34892 91899 08746
88207 47908 10289 13020 40163 35939 79719 41175 84057 53936
27072 56290 10035 15347 58477 89217 30261 18783 72127 20519
06563 11388 63479 82010 43669 78169 93960 22175 30358 02175
84806 08276 09530 60727 16983 41895 42368 80933 91211 50571
01741 49905 42495 26788 34258 82282 40397 55365 94397 87411
27341 33954 91453 29355 99908 000 000

E07a

5877/5277/4577 kHz, 05-02, 2100/2120/2140 UTC

825 825 825 1 32128 7410 107 7410 107

29091 25083 34043 98222 65745 64951 07225 05257 01009 48622
70574 19256 45165 87529 30782 50058 42218 77444 09971 26719
67207 33297 15193 69309 94253 18823 70052 99291 30100 43627
38113 26363 96260 43592 12947 54260 60721 40270 13577 03630
54220 84380 81727 16067 49629 83364 95564 60671 44153 69643
64109 22832 38735 66638 77966 87834 12982 09911 37045 83323
15488 32894 63109 96534 02071 13120 44623 47157 24018 02884
54054 49227 58681 46645 59002 09516 07046 02758 61341 87570
72325 92401 27600 84226 79563 45034 69159 46966 21664 16684
89675 52437 53564 54855 31181 49409 97594 40757 10314 73728
04088 40850 37135 82463 14275 85838 63849 000 000

5111/5811/6911 kHz, 06-02, 0530/0550/0610 UTC

189 189 189 1 32128 7410 107 7410 107

29091 25083 34043 98222 65745 64951 07225 05257 01009 48622
70574 19256 45165 87529 30782 50058 42218 77444 09971 26719
67207 33297 15193 69309 94253 18823 70052 99291 30100 43627
38113 26363 96260 43592 12947 54260 60721 40270 13577 03630
54220 84380 81727 16067 49629 83364 95564 60671 44153 69643
64109 22832 38735 66638 77966 87834 12982 09911 37045 83323
15488 32894 63109 96534 02071 13120 44623 47157 24018 02884
54054 49227 58681 46645 59002 09516 07046 02758 61341 87570
72325 92401 27600 84226 79563 45034 69159 46966 21664 16684
89675 52437 53564 54855 31181 49409 97594 40757 10314 73728
04088 40850 37135 82463 14275 85838 63849 000 000

E11a

4505 kHz, 01-02/02-02, 0710 UTC

498/34 Attention

03986 23095 43474 55475 11680 05105 95943 78272 96108 07118
51242 06199 35832 91895 04351 39524 80387 46542 24927 16357
95734 37361 95651 60158 14445 80598 90091 64510 21066 76792
85229 16050 59180 96128

Attention (message repeated) Out

4909 kHz, 03-02, 0450 UTC

5779 kHz, 06-02, 1730 UTC

410/31 Attention

66218 56844 72485 33415 54930 64266 58759 10749 04609 64425
50582 52292 16310 34683 78854 56126 59618 67226 25090 21900
51899 45164 54302 04184 89741 80625 65446 08408 06225 32919
84787

Attention (message repeated) Out

12924 kHz, 03-02, 1745 UTC

244/37 Attention

57869 81071 22976 97973 66291 49118 97082 74327 42475 02086
52782 60939 45703 29228 90767 04252 64725 23904 10769 53477
91480 44505 12376 30550 54288 23021 03545 96405 63957 77049
25653 18740 29033 97201 91664 66098 18207

Attention (message repeated) Out

6804 kHz, 04-02, 0700 UTC

574/31 Attention

40669 49387 82240 70790 57915 60730 97958 68170 00143 66201
52627 71224 52069 89173 70619 07091 17383 08943 34540 53404
52139 97425 74367 78724 85424 39398 75439 00806 26926 88694
57166

Attention (message repeated) Out

6433 kHz, 04-02/05-02, 1205 UTC

465/35 Attention

22760 89122 48744 15062 01180 11791 99433 88075 54051 54445
88013 26973 11804 60887 46288 74431 91592 58016 63141 77282
19510 04561 66038 96085 72340 17190 61195 81087 52368 18966
52930 87425 35576 13794 63877

Attention (message repeated) Out

13363 kHz, 04-02, 1345 UTC

919/34 Attention

61927 12999 65309 74706 79237 88960 06525 14400 35003 45285
28317 87471 15649 26210 97871 28847 23319 56862 43819 16774
51305 09003 15885 15862 57882 85294 94553 12576 53707 52631
05838 41460 62095 97111

Attention (message repeated) Out

7469 kHz, 05-02/06-05, 0930 UTC

279/34 Attention

47755 47901 86408 61919 04184 99726 46957 28727 91861 31520
36545 94092 38281 62475 84653 51988 95489 07826 41985 02309
81717 78829 39204 03780 15697 54190 42345 84037 48722 66698
62912 05434 44810 78533

Attention (message repeated) Out

4505 kHz, 05-02/08-02, 1705 UTC

391/39 Attention

72853 09751 44647 41683 52449 95690 42154 51242 99184 16708
01430 54372 35878 73289 31667 07639 28099 46178 83533 78127
62589 30840 88700 83827 05214 44236 71098 47885 08649 26102
31503 44421 31142 85542 97196 37179 74580 21054 68283

Attention (message repeated) Out

4909 kHz, 08-02/09-02, 0805 UTC

310/31 Attention

22345 15268 94920 16051 93800 15715 45342 62969 45498 68224
16559 71595 99822 39456 99604 50601 54454 70306 64675 86459
23489 06147 91147 55159 79681 66397 93431 96096 22075 92030
60628

Attention (message repeated) Out

11450 kHz, 10-02/12-02, 0640 UTC

949/29 Attention

98387 50317 86630 68610 14124 20793 14592 04817 14673 40819
28147 76881 16311 21669 51435 39319 04841 15577 93405 11978
47089 59346 21672 47104 94754 49239 66902 18630 77147

Attention (message repeated) Out

7840 kHz, 11-02/13-02, 0645 UTC

514/37 Attention

47531 29521 69781 16305 43523 07234 33438 48498 65986 86735
35789 31436 61985 80579 96502 77352 36003 37898 86443 87688
09083 46617 67168 31229 58633 86983 97794 67298 21247 67328
12091 77442 83319 68411 88331 94713 43951

Attention (message repeated) Out

13908 kHz, 11-02/13-02, 0745 UTC

224/34 Attention

87889 89649 90577 47917 07786 12103 07372 09672 91052 30503
60353 95690 56613 58920 85721 02247 20889 79137 85391 06046
07400 23948 45623 13674 28348 09042 46334 12044 87544 93429
98505 22721 36616 13890

Attention (message repeated) Out

14611 kHz, 11-02/12-02, 0820 UTC

138/35 Attention

04807 30226 83940 50515 43924 86915 19912 55053 29698 78038
35265 97866 41600 75137 45323 19136 51845 23123 38262 72560
48762 93195 63186 36570 49617 21667 24661 71907 71679 76825
51845 77661 46673 26540 04984

Attention (message repeated) Out

8597 kHz, 11-02/14-02, 1000 UTC

309/25 Attention

85330 55519 67944 24781 99298 69639 48732 62006 16776 10378
93678 52459 23195 56937 45400 30750 40624 18159 66341 71280
11665 24314 09657 81334 01532

Attention (message repeated) Out

8597 kHz, 12-02, 0900 UTC

530/40 Attention

97733 66552 37840 38111 68154 20588 27105 52386 73420 12958
43433 05014 85546 55246 37940 27533 76714 37874 57585 30641
94153 16431 45998 58575 87726 46546 67121 71120 11549 22680
69621 65262 45494 81224 15414 64844 11760 69166 75558 93152

Attention (message repeated) Out

10487 kHz, 14-02, 1910 UTC

612/33 Attention

86955 99715 01266 41744 98338 78793 94203 03249 92177 03924
13770 36328 77806 73118 61483 04531 30289 82144 97390 79225
18869 35716 13144 70924 99949 07468 87523 36286 42130 61717
85637 49193 08571

Attention (message repeated) Out

8597 kHz, 17-02, 0900 UTC

531/39 Attention

98854 30046 33775 43113 89460 95521 34661 85729 31526 91903
43730 19294 17017 12010 51402 31890 36504 75214 20514 02031
73140 35502 73084 84798 86597 27630 78681 53610 15586 03939
21606 58861 75283 11770 54331 57983 38755 14118 02854

Attention (message repeated) Out

7984 kHz, 17-02/19-02, 1045 UTC

691/35 Attention

74069 41363 16223 73775 49898 04081 08905 34818 38443 51565
84956 46632 27113 05903 83683 37966 19447 90501 08024 44198
49506 84240 36255 68567 17918 75169 79635 80811 70627 47782
96794 14459 80632 70863 25677

Attention (message repeated) Out

5082 kHz, 17-02, 1530 UTC

521/31 Attention

08987 46664 11261 33668 78872 65069 33761 01769 75219 21133
97033 41764 55753 07329 85665 37732 22893 50323 53446 07840
91961 37071 77294 89439 61994 39444 48116 46261 84220 06675
76748

Attention (message repeated) Out

7840 kHz, 18-02, 0645 UTC

513/40 Attention

97733 66552 37840 38111 68154 20588 27105 52386 73420 12958
43433 05014 85546 55246 37940 27533 76714 37874 57585 30641
94153 16431 45998 58575 87726 46546 67121 71120 11549 22680
69621 65262 45494 81224 15414 64844 11760 69166 75558 93152

Attention (message repeated) Out

9130 kHz, 18-02/21-02, 0715 UTC

639/33 Attention

55599 89217 55354 12762 78467 25655 37024 96676 78847 99561
40646 26066 15951 96974 32478 47528 20041 54245 41500 34708
52029 43329 51524 36463 32874 65528 39984 99760 29386 58808
22604 45018 45042

Attention (message repeated) Out

12089 kHz, 18-02/20-02, 0845 UTC

154/21 Attention

80644 51151 38279 17621 56897 88449 92610 14675 26347 74172
67743 76251 41400 54487 28632 16712 89114 63814 99006 66485
75683 Attention (message repeated) Out

5082 kHz, 19-02, 1625 UTC

972/35 Attention

01261 48724 34667 09345 05077 82044 78368 04031 13501 66037
12381 20915 31047 35335 55333 02424 00151 90502 37021 07745
79784 40956 26559 16162 23543 86056 13135 67788 06301 88169
45799 72469 11214 25352 06697

Attention (message repeated) Out

7840 kHz, 20-02, 0645 UTC

512/40 Attention

97733 66552 37840 38111 68154 20588 27105 52386 73420 12958
43433 05014 85546 55246 37940 27533 76714 37874 57585 30641
94153 16431 45998 58575 87726 46546 67121 71120 11549 22680
69621 65262 45494 81224 15414 64844 11760 69166 75558 93152

Attention (message repeated) Out

5149 kHz, 20-02/21-02, 0820 UTC

432/38 Attention

97892 71645 91665 87157 76912 69065 43282 48450 54851 80198
59050 47572 26602 10495 81686 35110 36494 49179 42944 57768
75331 75946 53760 99071 76739 20710 95743 96211 06738 55155
31876 71452 57916 88458 86841 34829 00676 47412

Attention (message repeated) Out

5082 kHz, 21-02, 1530 UTC

525/33 Attention

10028 26620 13868 46746 83094 62177 87487 60144 45441 73928
51473 93204 21742 80386 51320 26523 73813 85630 68433 30047
06139 57325 83087 88734 47788 96534 86659 38419 90078 60048
81765 95075 54301

Attention (message repeated) Out

6849 kHz, 21-02/23-02, 1650 UTC

922/35 Attention

91068 85593 49168 66685 31700 62051 23915 37590 45206 24692
89321 36641 05529 17011 16936 25440 65659 71418 84462 60774
54069 68276 14950 33234 30852 59062 50467 93171 05460 35341
12448 72092 62759 17401 51755

Attention (message repeated) Out

4909 kHz, 22-02/23-02, 1930 UTC

369/34 Attention

06151 28620 94446 20894 70694 91543 15875 35327 07892 22804
21498 02921 70742 55030 44070 28725 74028 49517 39698 87778
06884 02434 05794 28827 70630 15979 24437 80189 96981 44913
19553 43073 05699 04788

Attention (message repeated) Out

5344 kHz, 23-02, 1605 UTC

236/35 Attention

53227 97770 12186 60623 12286 40795 02172 60848 85515 88196
82911 70933 07895 70521 33235 02549 08805 61343 33998 47560
92787 09889 91749 50157 57276 26921 66488 68595 62472 63047
06870 85490 66955 52535 40010

Attention (message repeated) Out

10213 kHz, 24-02, 0745 UC

5409 kHz, 27-02, 1530 UTC

261/38 Attention

20279 90338 18559 05989 72043 35104 14913 94406 35796 91036
61750 00097 72808 24209 25491 46801 15568 14417 20251 88729
17465 06449 05884 03939 37505 29017 70476 67706 15857 87827
63733 25268 52183 25586 96371 10111 68993 27829

Attention (message repeated) Out

8597 kHz, 24-02/26-02, 0900 UTC

530/39 Attention

69681 12206 88374 91057 92889 59202 37175 78683 38966 83242
76609 27543 40712 96885 42761 77638 98881 56765 14295 71003
99054 01951 35199 53242 88504 29145 83016 46894 20353 88305
24581 10104 35489 56480 07837 32264 69475 22057 05193

Attention (message repeated) Out

6849 kHz, 24-02/27-02, 1900 UTC

644/36 Attention

50339 84029 25628 10859 39114 54827 93620 53829 92417 63977
25681 78292 97473 11094 96998 88907 07756 84263 25206 36480
02772 35296 78377 66692 56616 28916 42715 51108 82155 89940
41841 28062 10915 95295 89997 97863

Attention (message repeated) Out

13363 kHz, 25-02/29-02, 1345 UTC

910/36 Attention

08855 37320 52619 61960 24331 72319 55232 04492 76698 58453
83253 97262 58477 50936 46119 88660 17598 27495 75931 69639
16999 47291 68017 86614 10837 66268 03378 67215 38605 62010
16354 53524 77292 72674 31142 81654

Attention (message repeated) Out

6280 kHz, 25-02/27-02, 1700 UTC

334/36 Attention

21909 92815 71029 57593 89145 05713 12724 62930 23015 60610
30281 71313 10371 35014 18905 24695 54174 76750 69694 23379
23636 88071 81066 68408 94277 14167 83997 96996 58083 10665
37270 22209 01661 37627 77278 26820

Attention (message repeated) Out

17378 kHz, 26-02/28-02, 0745 UTC

344/39 Attention

80584 26474 15871 70282 30031 33771 67118 80302 35428 13852
86008 44062 59250 08951 20881 74361 34779 93055 63677 82901
07674 36939 69273 99502 10696 70544 78421 96721 06586 75043
25887 59114 46328 60436 67259 95672 22688 97527 60277

Attention (message repeated) Out

E17z**11170/9820 kHz, 06-02/13-02, 0800/0810 UTC**

217 436 5 47154 25660 69885 96882 20024 436 5 00000

11170/9820 kHz, 20-02/27-02, 0800/0810 UTC

217 968 5 88620 58069 61732 74537 57440 968 5 00000

G06**4792 kHz, 14-02, 1930 UTC**

436 579 44

11532 37595 68553 78912 87463 94712 18514 02953 38414 13202
42325 23285 15802 65245 87462 78912 87463 94562 14712 84853
53067 42412 15464 75612 14352 34585 68553 23462 73459 41847
21250 37473 27624 17923 54332 81620 81244 41265 96183 74874
66753 78203 80329 38780

579 44 00000

Windows XP shutdown sound

4519 kHz, 27-02, 1829 UTC

271 579 44

31532 37905 68553 78912 87443 94012 18514 01953 38414 13202
41945 23285 15802 65245 87462 78912 87463 94562 18912 84853
49067 42412 15464 75612 14352 34585 68553 23462 73459 41847
21250 10473 27624 17023 54332 81220 81244 41265 96183 74874
66753 78203 80329 38780

579 44 00000

S06s

5765 kHz, 07-02, 0900 UTC

Distorted audio. Normal after 2 minutes. 239 406 5 32314 34896 82738 36376 35685 406 5 00000

S11a

4505 kHz, 01-02, 0715 UTC

121/30 Vnimanaye

32167 96813 06068 60434 05461 03168 54787 99661 13264 46564
11007 98765 46433 00879 47464 31035 79974 86513 00604 96879
46461 67681 32103 89779 63101 64631 36464 61000 68797 01356
Vnimanaye (message repeated) Konets

9057 kHz, 03-02/05-02, 0510 UTC

654/37 Vnimanaye

45225 75711 14678 93211 62200 36485 91971 36791 46872 14157
40567 44122 55654 73802 89011 95601 99368 13150 32980 95286
29493 30142 97067 13312 49648 41166 96878 91987 71073 90344
75655 20201 94296 72281 52232 63564 39012
Vnimanaye (message repeated) Konets

9050 kHz, 10-02/13-02, 0700 UTC

471/39 Vnimanaye

27023 16800 94930 50899 48089 40810 84198 96970 58393 91147
42757 11460 34238 22990 29081 79419 62844 74192 35496 15894
10843 99448 19951 15286 24931 41158 93276 40157 83834 61535
20517 21674 86285 78372 65916 30210 12987 24149 40522
Vnimanaye (message repeated) Konets

11486 kHz, 12-02/15-02, 1850 UTC

282/31 Vnimanaye

76638 05288 40807 08076 52285 80646 27745 51636 47106 44421
85449 76484 19233 86768 90037 82429 15221 72601 90425 10059
90504 50343 27731 04349 50213 97108 06198 13746 26643 04138
85150
Vnimanaye (message repeated) Out

7600 kHz, 14-02/18-02, 1020 UTC

428/40 Vnimanaye

16124 63842 53274 44138 27355 22606 65219 82586 02122 81975
54199 15605 77094 71018 76976 94403 63787 84111 54785 35191
88150 30578 38183 38731 98784 06054 58668 91947 77635 63033
05573 03706 54636 60297 74146 15992 75723 02942 80484 93546
Vnimanaye (message repeated) Konets

4242 kHz, 17-02/21-05, 0915 UTC

485/31 Vnimanaye

06340 93423 38988 94708 47501 32224 55903 08869 48429 27749
92290 70999 92554 30084 64730 01741 89375 43013 44658 94018
50441 92148 31849 36682 28812 66445 59971 96249 16671 53437
31692
Vnimanaye (message repeated) Konets

5371 kHz, 19-02/21-02, 1100 UTC

373/32 Vnimanaye

85825 13183 52958 07819 74093 81586 26216 39834 51655 89261
16898 32716 97809 55389 43715 55221 42066 27779 15516 05460
73478 88802 56980 47454 04288 81602 51695 07158 43848 98700
16946 03911

Vnimanaye (message repeated) Konets

7600 kHz, 25-02/28-02, 1020 UTC

426/31 Vnimanaye

61668 84913 88249 34054 13719 10065 56545 21097 98844 84792
22578 70375 17677 62158 26892 96781 77870 66807 96789 91710
10728 75963 46293 15728 99281 01427 78027 02758 58934 79779
05819

Vnimanaye (message repeated) Konets

V07**15874 kHz, 16-02, 0100 UTC****14774 kHz, 16-02, 0124 UTC. No transmission****13874 kHz, 16-02, 0149 UTC. Transmission started in mid message**

878 878 878 1 3503 156 3503 156

11861 47534 75061 82507 16437 77116 04529 11430 14919 09397
65650 22127 86007 21063 21592 17048 85937 35945 68020 80148
33012 52119 76545 17327 39104 33404 79611 13137 73649 80999
52631 69826 95488 04022 67409 51164 86360 78060 11459 29585
59896 98391 12397 59820 79181 47210 89032 70549 17371 61049
27107 27341 11206 23938 22046 59136 56555 68664 94355 76071
15283 27510 23280 66160 85911 59089 88631 08844 71785 95043
21660 10539 84319 71786 96610 01070 39653 02329 40536 76411
77974 64011 93534 16556 73797 97870 67337 37639 10009 71631
93158 51139 65414 79301 62658 68342 35754 16545 16135 53312
72344 63061 56579 87512 46430 34831 80251 94797 49447 28074
49149 77060 48831 95470 17202 40287 87535 99405 39649 76314
63395 20443 01578 52849 48019 25460 37380 55999 29749 28279
47897 01840 62230 58622 44408 26339 87865 15239 96488 93523
62346 05519 60366 67474 81667 70839 81941 97484 60085 97442
02277 97484 05314 02999 32057 21122 000 000

15874/14774/13874 kHz, 23-02, 0100/0120/0145 UTC

878 878 878 1 8245 162 8245 162

31798 15694 26632 16098 41926 83811 19551 18604 95135 15629
68064 54437 56198 66998 73659 15463 87380 36130 78424 06754
05590 02681 48498 22724 43740 84722 77487 27028 42399 08372
71683 03109 39651 83196 13684 83905 34825 68332 28578 84053
87361 22669 38006 69172 13338 17695 28337 20626 27719 10242
95908 32821 83642 57401 65656 11770 82152 71637 48504 91559
43387 71926 81335 62982 82793 66563 13414 32645 35815 04573
72674 62707 94251 31010 84963 16205 98988 63896 87778 33418
19726 74890 65829 18494 82749 60329 04880 20982 25278 05569
35136 90565 87677 34778 16593 93312 11526 29351 67074 03280
21645 01040 83891 28160 14684 24648 62102 15404 35131 38091
72551 21101 28016 56386 27331 37382 83992 63931 73009 43333
07292 64713 55389 89747 91914 21963 53101 70970 56821 75431
41544 68488 60237 05933 82033 23203 54686 71112 36762 14201
08615 50887 49728 35146 18437 90905 57353 11197 81649 48805
33743 21310 62286 34445 45622 05316 81227 49290 05094 84268
57158 37942 000 000

V28

4483 kHz, 6-2, 2100 UTC, AM Parrot. Female operator. Test 1-2- ... At 2108z female operator
2994 kHz, 6-2, 2100 UTC, AM Parrot. Messages in Korean. Male operator
3047 kHz, 6-2, 2100 UTC, AM Parrot. Messages in Korean. Male operator
2935 kHz, 8-2, 0900 UTC, AM Parrot. Messages in Korean. Female operator
3524.5 kHz, 8-2, 0900 UTC, AM Parrot. Messages in Korean. Female operator
4629.4 kHz, 8-2, 0900 UTC, AM Parrot. Messages in Korean. Female operator
5146.6 kHz, 8-2, 0900 UTC, AM Parrot. Messages in Korean. Female operator
3048 kHz, 12-2, 2105 UTC, AM Parrot. Messages in Korean
2997 kHz, 12-2, 2105 UTC, AM Parrot. Messages in Korean
3048 kHz, 16-2, 2101 UTC, AM Parrot. Messages in Korean
2996 kHz, 16-2, 2104 UTC, AM Parrot. Messages in Korean

MORSE STATIONS

M01

5810 kHz, 01-02, 1500 UTC

197 227 227 30 30 = =
85262 66683 28598 42945 77005 33291 57202 79696 26425 65582
20612 30993 59980 24961 64760 45837 67896 29420 27995 38047
37730 56776 93610 32629 87705 67431 55508 58936 26869 72401
= = 227 227 30 30 000

5465 kHz, 02-02, 0700 UTC

197 417 417 30 30 = =
98893 14191 73644 91542 19840 12459 87087 60443 79527 69526
28696 40350 16672 20424 98486 64953 34404 18468 24513 27733
50977 55000 25243 16280 73063 63238 79761 30290 65020 57146
= = = 417 417 30 30 000

4490 kHz, 04-02, 2000 UTC

197 309 309 30 30 = =
01971 74435 51306 16477 29292 90334 91273 09685 83378 55001
87357 93060 20892 20366 08297 21232 52530 72623 17088 87091
35523 35304 26991 22732 55290 38001 14246 69080 62684 39211
= = 309 309 30 30 000

5320 kHz, 06-02, 1800 UTC. Errors and different repeats in red

197 137 137 30 30 = =
55887 76183 64948 85706 01285 12292 86447 18952 46807 15653
34312 3431 03183 11018 16119 32819 01267 012703744 03744
73174 7317 9754997549 59039 54254 29966 53222 12503 76780
50878 40878 79354 07548 56164 16164 21987
Ü = 137 137 30 30 000

4490 kHz, 06-02, 2000 UTC. Errors and different repeats in red

197 139 139 30 30 = =
75798 19318 88941 90951 80196 73284 21706 77315 43622 52090
82898 06650 83401 53744 84525 88766 15446 29322 34895 41199
66263 14746 43314 99999 86986 26855 18423143 62704 6270
51611 79863
= = 139 139 30 30 000

5465 kHz, 09-02, 0700 UTC

197 226 226 30 30 = =
 82978 84301 35686 58293 10255 69920 56338 23972 62199 55275
 34755 75342 48847 65489 37822 08791 35238 04344 20394 61331
 94026 67408 69354 18109 81061 55579 14289 38507 67771 47023
 = = 226 226 30 30 000

5320 kHz, 11-0, 1800 UTC

197 618 618 30 30 = =
 13492 84423 12092 10807 49382 47694 69140 52404 10779 68467
 40816 56661 67897 17745 67495 79797 03393 07373 12531 78037
 31161 48216 17131 73161 94024 00576 32360 50637 25503 82106
 = = 618 618 30 30 000

4490 kHz, 11-02, 2000 UTC

197 397 397 30 30 = =
 13492 79227 81920 43362 32950 66931 03082 36934 22770 84265
 71651 01635 89495 82345 82981 67262 98781 76287 93561 98928
 31184 94278 19339 44984 58090 84883 58775 67219 82312 92318
 = = 397 397 37 30 000

4490 kHz, 13-02, 2000 UTC

197 397 397 30 30 = =
 13492 79227 81920 43362 32950 66931 03082 36934 22770 84265
 71651 01635 89495 82345 82981 67262 98781 76287 93561 98928
 31184 94278 19339 44984 58090 84883 58775 67219 82312 92318
 = = 397 397 30 30 000

5465 kHz, 16-02, 0700 UTC

197 520 520 = 30 30 = =
 68916 59492 48080 91903 64199 45791 13504 01955 36014 30290
 34857 92634 06613 32759 53106 78045 99664 02234 13864 79800
 62495 95011 59690 86586 87760 35099 16784 58078 60040 37529
 = = 520 520 = 30 30 000

5320 kHz, 18-02, 1800 UTC

197 127 127 30 30 = =
 71948 61524 32608 36996 90884 88323 42824 63286 16693 40711
 87073 75546 37070 94874 87051 42845 40967 08337 43993 30947
 49213 20864 91807 83606 70216 28357 62234 08109 54776 27970
 = = 127 127 30 30 000

5320 kHz, 20-02, 1800 UTC. Different repeats in red

197 777 777 30 30
 12891 15997 24948 60650 79222 54148 92734 68057 04754 56227 **46227**
 97399 48271 79973 69062 08884 88474 10044 81564 70165 26386
 59712 79082 39715 08695 23070 67005 33685 92436 38634 **92436** 50362
 777 777 30 30 000

5810 kHz, 22-02, 1450 UTC

New time? Usually at 1500z. Several errors. Hand sent. Transcript as sent.

197 321 321 30 30 = =
 02590 02590 88604 88604 36845 36845 9368993689 81281 81281
 12296 12296 758007008918 08915 05736 05736 81874 81874 58223
 58223 90974 90974 51959 51959 66875 66875 58730 58730 72536
 72536 45369 45369 00475 00475 25442 25442 92604 92604 59826
 59826 76519 76591 91983 91983 59157 59157 29780 29780 60041
 60041 46527 46527 95466 95466 28785 28785 62267 62267
 = = 321 321 30 30 000

5465 kHz, 23-02, 0700 UTC. Errors in red

197 327 327 30 30 ==
 28684 08799 99756 51074 06035 05380 70186 57636 57237 94551
 78145 11782 26026 21931 20185 57092 79203 86117 41516 35537
 53 0113 1173 87851 81155 24636 26983 51128 91920 13875 1888404
 8844 29326 3932
 = = 327 327 30 30 000

5320 kHz, 25-02, 1800 UTC

197 421 421 30 30 = =
 19347 40081 72314 28524 43119 02812 77731 45769 20568 82968
 97713 28166 40701 34672 73011 65875 87369 79503 05182 87037
 46709 47685 88780 50421 19065 54826 95938 71908 26593 82015
 = = 421 421 30 30 000

4490 kHz, 25-02, 2000 UTC. Different repeat in red

197 235 235 30 (long zero) EEEEEEE 30 30 (short zero's) = =
 93276 34817 20536 31465 20789 96519 49048 09962 51561 84895
 15895 93709 83709 54151 75104 28181 55727 36651 77856 07412 88848
 59416 71589 98387 19479 80062 50027 49097 70269 12856 80235
 = = 235 235 30 30 000

5320 kHz, 27-02, 1800 UTC. Transcript as sent

197 652 652 30 30 = =
 79853 79853 24560 24560 59879 59879 19429 19429 41190 19 4793 7
 70677067 666966619 2102 102 0871606 2542725427 4923 492 402464246
 5187551875 60066 60 75162 75162 14197 11 39746X 39746 24254 24254
 30328 30328 17402 174 0361 362 6990 69903 7434 17434 67690 67690
 22969 22969 01700 010 38238 3003376 03376 32219 329
 = = 652 652 30 30 000

4490 kHz, 27-02, 2000 UTC. Transcript as sent

197 177 177 30 30 = =
 11048 11048 83240 83240 04431 04431 78631 78631 45560 45560 45538
 45538 61988 61988 29698 29698 34132 34132 38298 389 4941 941192717917
 84614 8464 4174470 6543653 74666 7466646827 4827 39202 3929189 9896
 6320 330873081 66156 6615 68102 612 26024 260 00405 0040 78876 78876
 29907 29907 47942 47942 1774 81741407105
 = = 177 177 30 30 000

5810 kHz, 29-02, 1500 UTC

197 = 430 430 30 30 = =
 12869 10334 93800 14483 47756 47924 71723 83371 24229 06738
 98005 04718 70075 72957 10892 81006 50979 30963 44662 32712
 55545 83344 22964 49801 38930 85682 10119 28812 46146 56122
 = = 430 430 30 30 000

M01a**4884 kHz, 05-02, 0905 UTC**

714 714 714 66898 66898
 333 111
 333 000
 111 999 151 10 = 65987 64451 45210 45878 65896 64412 45882 45210 45211 78543 = 151 10
 111 000

4578 kHz, 05-02, 0908 UTC, i.p.

91343 93677 68575 13957 41671 05305 61094 56526 56647 83891 04021/013622 000
 111 333 05/21505 000
 111 333 09/ 69975 000
 111 000
 111 333 11/47789 000
 111 333 13/93677 000
 111 000

4589 kHz, 05-02, 0931 UTC

460 460 460 35979 35979
 460 460 460 35049 35049
 460 460 460 35202 35202
 460 460 460 35322 35322

8111 kHz, 12-02, 0638 UTC, i.p.

444 333
 536 536 536 34568 34568
 111 000

M01b**2435//3520 kHz, 03-02, 1910 UTC. Carrier only****2435//3520 kHz, 10-02/17-02/24-02, 1910 UTC**

853 591 591 32 32 = =
 50912 70920 02196 50561 13635 66109 48087 91369 44404 42916
 64771 68889 55964 43971 24293 06140 86744 69769 37409 46019
 09249 82878 73085 21950 20784 98217 14265 12370 48701 20091
 11825 77018
 = = 591 591 32 32 000

2425//3205 kHz, 03-02, 2015 UTC. Carrier only**2425//3205 kHz, 10-02/17-02/24-02, 2015 UTC**

375 591 591 32 32 = =
 50912 70920 02196 50561 13635 66109 48087 91369 44404 42916
 64771 68889 55964 43971 24293 06140 86744 69769 37409 46019
 09249 82878 73085 21950 20784 98217 14265 12370 48701 20091
 11825 77018
 = = 591 591 32 32 000

2470//3545 kHz, 06-02/13-02/20-02/27-10, 1930 UTC

910 591 591 32 32 = =
 50912 70920 02196 50561 13635 66109 48087 91369 44404 42916
 64771 68889 55964 43971 24293 06140 86744 69769 37409 46019
 09249 82878 73085 21950 20784 98217 14265 12370 48701 20091
 11825 77018
 = = 591 591 32 32 000

2485//3160 kHz, 06-02/13-02/20-02/27-10, 2040 UTC

382 591 591 32 32 = =
 50912 70920 02196 50561 13635 66109 48087 91369 44404 42916
 64771 68889 55964 43971 24293 06140 86744 69769 37409 46019
 09249 82878 73085 21950 20784 98217 14265 12370 48701 20091
 11825 77018
 = = 591 591 32 32 000

2655//3195 kHz, 07-02/14-01/21-02/28-02, 2002 UTC

866 591 591 32 32 = =
 50912 70920 02196 50561 13635 66109 48087 91369 44404 42916
 64771 68889 55964 43971 24293 06140 86744 69769 37409 46019
 09249 82878 73085 21950 20784 98217 14265 12370 48701 20091
 11825 77018
 = = 591 591 32 32 000

2405//3180 kHz, 07-02/14-09,/21-02/28-02 2109 UTC

610 591 591 32 32 = =
 50912 70920 02196 50561 13635 66109 48087 91369 44404 42916
 64771 68889 55964 43971 24293 06140 86744 69769 37409 46019
 09249 82878 73085 21950 20784 98217 14265 12370 48701 20091
 11825 77018
 = = 591 591 32 32 000

M12**5832/6832/7732 kHz, 01-02/07-02/08-02, 2200/2220/2240 UTC**

887 887 887 1 147 67 147 67
 18369 72918 11636 79459 45966 65647 21102 43174 29689 27206
 90242 77882 79492 07222 78207 94274 62045 70787 66102 52874
 35893 49943 63320 65564 33160 14229 69302 83243 20295 93555
 04741 32392 64457 81505 69353 54168 70515 32855 06133 42609
 59703 53208 76941 81434 13164 05183 49713 62003 00345 35038
 16415 08908 81973 79471 06818 36089 81533 42026 82733 35081
 91562 63481 14312 00945 70177 45216 47152 000 000

7546/9146/10646 kHz, 02-02, 0600/0620/0640 UTC

516 516 516 1 441 82 441 82
 45769 58737 93581 67170 85580 51399 79777 93523 72094 10126
 86377 39878 60614 53207 23229 37252 05861 23272 31953 47986
 53056 18954 68395 46545 13415 08844 73904 20452 38655 94563
 60993 35278 98429 33543 97374 28228 44265 11365 31227 32522
 08874 95445 01428 27399 14725 33000 58692 79419 81487 10545
 88564 19560 48460 41150 52233 52615 60761 44141 38251 42109
 36177 57472 77142 69665 56576 97849 11500 73255 92100 55760
 21190 94302 25128 03320 75322 26595 37885 27803 68511 15739
 51818 65864 000 000

9317/10484/11552 kHz, 04-02, 0530/0550/0610 UTC

135 135 135 1 4047 107 4047 107
 95976 34700 63269 14069 55715 01665 78159 90992 91359 03099
 27658 91762 84410 72247 73252 32916 36308 04650 61130 01177
 14000 57172 21646 39184 08769 51954 45244 26851 24959 33946
 43495 30062 93688 45673 19637 80617 68709 97566 73902 95830
 18082 41133 12615 81030 31083 95501 13649 87403 35622 93955
 73000 79038 82973 88605 14345 07214 68280 49601 08555 20367
 78173 33110 31591 07402 07800 98530 52068 63408 94607 56751
 84245 67661 54186 81884 80323 53372 69279 42399 41027 55297
 17201 72656 09339 66405 91341 25312 84056 20165 09278 81435
 51623 23444 52212 23029 54258 07955 20191 16135 19646 39926
 90694 73215 50039 26174 72705 91462 18829 000 000

14489/13489/12189 kHz, 05-02/07-02, 1310/1330/1350 UTC

441 441 441 1 423 56 423 56
62259 58559 19870 27606 63720 02491 02081 67630 19590 69029
33141 49127 71518 96923 42735 28257 02326 71918 08127 12919
42210 63761 75012 17785 12366 90022 44411 35110 91389 78091
60655 31632 77257 88669 89315 51365 93187 73504 45395 37826
25235 31331 93281 24869 78422 688E3 64069 69847 12470 88079
22818 04220 26779 27809 55664 38498 000 000

12162/11566/10711 kHz, 05-02, 1710/1730/1750 UTC

546 546 546 1 7137 113 7137 113
02765 42913 83986 50455 54711 01549 18855 80629 70904 63173
35965 14895 89346 93257 39689 34052 67884 44992 86019 85901
10252 39557 47006 29558 59862 60976 28098 82903 98844 44131
14708 70234 93739 93861 47360 24065 70776 82989 89673 88518
19574 01629 38125 15474 32253 35265 50022 12091 70759 76361
12847 39173 31708 58457 28622 69560 15592 39850 41749 85822
56249 77952 90092 32713 13120 24608 42210 88510 77602 75405
70164 30971 24557 27363 62907 49608 40433 49981 17497 42356
56429 50534 43899 06056 82239 66519 67706 71654 80096 93755
45537 79601 55566 74507 34115 90136 08308 14867 36821 29330
05090 07414 33114 13492 83953 55161 90787 70133 36570 15484
71729 24279 89193 000 000

12162/11566/10711 kHz, 06-02, 1700/1720/1740 UTC

546 546 546 1 3139 112 3139 112
51710 02144 26717 91139 42263 12538 03789 23805 42046 06782
61757 32884 90328 75271 12839 18647 30862 40539 79014 49595
68943 21967 43268 37349 55554 99597 19563 54295 79542 17754
81112 69724 50445 42337 23940 13564 82731 06964 23696 74000
24202 23552 07735 26255 30920 84250 53662 01222 45413 65119
28501 61699 91760 99551 85357 87838 33190 29616 89409 17903
27073 76559 32313 86516 07654 53059 96788 25071 72485 70895
37557 41824 85286 40611 79738 59408 83519 85107 46205 05384
78672 16206 95142 96369 83853 35026 31921 51937 65680 57232
33917 94820 80972 58559 04841 15752 79766 49308 70677 95446
48542 33215 51620 64935 29851 69854 69266 85407 06280 40108
80584 58306 000 000

12162/11566/10711 kHz, 06-02, 1800/1820/1840 UTC

546 546 546 1 9674 113 9674 113
04389 62173 38795 32305 18692 95708 79964 38107 47968 94649
01195 52098 23910 59134 67324 84935 83232 35055 88042 36261
06326 79450 76282 51353 68968 41650 69701 55398 09961 94247
59134 07070 35181 22654 08879 60066 95136 78419 06879 81117
46452 87812 25842 42550 98125 72212 30042 04786 22083 02059
99253 74475 69652 23496 22804 46986 00591 67382 55166 77735
64152 34841 41967 33516 77104 09832 49780 20836 55297 94788
76207 02097 34538 05151 38394 68866 65845 64943 73133 29293
85220 82216 99207 51512 22034 66027 46091 69983 23012 77513
28913 84365 97002 10037 19736 28818 26568 45391 31497 20703
17948 85295 40981 40464 64309 71709 43647 89376 86786 56996
72276 96862 95594 000 000

14377/13461/12114 kHz, 06-02, 2000/2020/2040 UTC

317 317 317 1 5981 108 5981 108
70751 62127 34066 12735 65632 42862 10276 13590 82597 42635
47545 15615 21421 93280 49854 74280 44648 02405 61197 32812
83137 20662 20590 42557 04743 15860 13609 76742 67941 44065
83945 60921 11214 13351 58739 04341 28268 53163 13976 30594
23221 92604 75023 25466 39258 34611 87945 51431 48457 98026
82637 97638 63060 40026 91553 09097 72684 93951 88171 17570
95445 80895 75543 37844 05944 95045 66772 56910 38971 22049
26049 67369 86002 36262 34534 60743 58347 89234 62876 61387
08546 16018 97110 81695 31745 68214 96086 48960 71023 44374
81410 18618 09789 37386 60481 87872 76284 87218 73529 65188
90048 45311 45523 41888 95629 30106 31214 65870 000 000

13362/11562/10362 kHz, 10-02/17-02, 1400/1420/1440 UTC

353 353 353 1 464 120 464 120
16915 13307 53150 15098 28618 42946 13675 36279 21224 26813
20528 05895 79002 21042 58931 05793 80984 24608 79223 29382
10518 86140 56193 97402 64375 30265 39463 71295 29389 87523
42958 95737 24561 82921 51662 69509 74824 66732 64365 41574
18000 57432 93006 28894 24568 39528 33898 82148 54888 48326
77840 98674 50819 93420 37493 64034 46375 62557 29577 12268
53839 87335 01740 20360 74230 61164 08797 31485 46434 22924
47032 49513 83391 68933 30561 97166 00187 50867 63694 99973
69390 75761 65554 36175 72592 28905 15189 36236 05905 53796
45630 48055 60855 32052 10615 31173 67256 94797 49820 65441
69962 61107 29663 41932 42183 34993 31953 32270 63825 72204
37026 80969 29420 55530 19853 69776 85334 95707 24361 50463
000 000

6937/5737/4537 kHz, 10-02/13-02, 2210/2230/2250 UTC

975 975 975 1 509 75 509 75
72286 82124 25504 04596 23902 12114 64700 17293 76287 13116
53448 91984 62300 04967 13725 73594 49301 32607 10638 99852
09131 02746 69524 56229 03185 71883 17040 53027 04823 28448
41898 20419 59365 86269 98316 52683 63723 12693 35737 30668
71750 39559 79389 80117 25161 65911 32035 97338 99919 54602
50455 46688 89392 66596 04488 63246 61257 54795 30466 88834
71375 76501 51148 41790 74731 88332 16962 55813 59963 46758
43458 07327 51091 33487 64681 000 000

9317/10484/11552 kHz, 11-02, 0530/0550/0610 UTC

135 135 135 1 1311 104 1311 104
45283 78149 27135 12495 07068 30341 36343 15289 33060 34636
07734 82684 89199 62189 95181 79224 57583 02374 63905 90775
48743 10827 93177 59761 11044 33778 88136 39448 02659 85685
08773 30740 44038 89992 10393 77033 33387 70710 74820 24643
34220 92478 51150 30748 05428 40072 16181 99612 50638 64798
06099 77241 77950 51235 94057 54671 39467 44209 69651 13951
17007 56829 94075 01797 81905 81939 73855 76926 55596 12225
19472 38224 73513 92502 62629 27828 11212 67134 19474 37385
36750 77045 11417 07244 62060 09710 92298 04982 36209 43989
37048 01111 60625 57321 47019 83323 74832 62307 89653 27837
29948 61697 56822 96981 000 000

7546/9146/10646 kHz, 11-02/16-02, 0600/0620/0640 UTC

516 516 516 1 381 131 381 131
45226 17677 59968 43672 46800 57240 41857 42130 42186 33214
09781 45971 44574 47447 23778 04991 56320 11069 13657 32422
69997 91680 53752 82995 51719 84113 08034 86009 15848 13901
29091 65321 16166 92478 27791 54671 25073 41624 87052 00853
95239 53521 19646 33411 44531 01252 62969 51277 52271 79473
64187 23524 00474 96856 44447 06428 01656 08734 07036 68637
66613 09538 15181 56791 11832 58731 88725 83457 48891 39290
27043 89397 70187 26404 72941 87564 84498 32470 54987 55802
43481 80689 77166 39234 70947 16289 75327 87111 25141 56903
96042 20896 62018 67757 05489 37168 92433 09653 04787 70880
74461 86374 75239 96531 78488 08281 43270 26301 93438 28543
22336 59003 38235 10050 83479 13384 44379 20671 29407 60338
48856 93137 40310 60525 43052 89795 08144 88324 71487 47109
85672 000 000

17415/18215/18715 kHz, 12-02/16-02, 0800/0820/0840 UTC

427 427 427 1 5761 93 5761 93
60163 66962 15048 17870 60891 01340 54964 41106 12740 61197
78630 93747 19506 60735 95271 02074 73997 77772 33129 19553
93503 40286 53348 78403 90370 57344 55273 51741 38965 18738
02862 99640 54097 38888 47452 10729 30837 61976 48922 68739
46419 16419 66389 58914 22359 71092 61442 69195 51773 23714
44426 02468 52046 49134 63323 35732 35793 63307 19094 26692
03769 19095 07764 14043 65005 30861 67401 72110 93509 51327
43015 81450 23847 73121 80811 16616 41021 10076 45967 29350
69173 23028 02022 89029 99673 31560 13015 88279 55913 20660
37289 29502 81069 000 000

14489/13489/12189 kHz, 12-02/14-02/19-02/21-02, 1310/1330/1350 UTC

441 441 441 1 149 20 149 20
59817 45962 83837 26312 44218 96304 93672 83066 65392 36847
26142 75891 36577 68381 20237 89370 32166 32200 65585 58375
000 000

13362/11562/10362 kHz, 12-02/19-02, 1400/1420/1440 UTC

353 353 353 1 464 120 464 120
26915 13307 53150 15098 28618 42946 13675 36279 21224 26813
20528 05895 79002 21042 58931 05793 80984 24608 79223 29382
10518 86140 56193 97402 64375 30265 39463 71295 29389 87523
42958 95737 24561 82921 51662 69509 74824 66732 64365 41574
18000 57432 93006 28894 24568 39528 33898 82148 54888 48326
77840 98674 50819 93420 37493 64034 46375 62557 29477 12268
53839 87335 01740 20360 74230 61164 08797 31485 46434 22924
47032 49513 83391 68933 30561 97166 00187 50867 63694 99973
69390 75761 65554 36175 72592 28905 15189 36236 05905 53796
45630 48055 60855 32052 10615 31173 67256 94797 49820 65441
69962 61107 29663 41932 42183 34993 31953 32270 63825 72204
37026 80969 29420 55530 19853 69776 85334 95707 24361 50463
000 000

12162/11566/10711 kHz, 05-02, 1710/1730/1750 UTC

546 546 546 1 7066 107 7066 107
48162 64103 85324 91624 20598 85691 85378 92914 72214 85974
25824 58884 46407 34241 66912 09170 29222 50817 24987 31853
34151 47264 49329 66792 46843 54603 50656 17011 44427 45138
24623 93317 30299 36701 96350 89400 42684 03031 81523 15455
45455 80805 04880 86297 36634 69344 94339 94826 36304 50235
43368 03530 95799 39066 53623 11240 52374 08702 29858 92644
39328 27391 87144 94714 03151 32299 78041 10756 72109 73561
21540 70078 07164 42032 04647 67562 57264 90195 40802 68151
88615 11067 59536 45522 66002 16104 97315 67275 20000 11861
02349 77973 24439 22233 35713 79623 35678 35823 53799 23980
26252 39476 02067 57645 13487 96345 97605 000 000

5734/6834/7634 kHz, 11-02/14-02, 0030/0050/0110 UTC

786 786 786 1 334 77 334 77
05601 69499 74770 32550 91500 56181 19396 64140 96778 19668
92749 29526 43157 37936 69190 78863 17293 43313 41903 06735
11671 25886 43837 75328 86719 19235 50364 38228 73140 40357
92753 96906 72935 82859 24940 72263 85609 79033 40163 63460
86700 36415 75564 48078 02896 96611 50144 58574 99325 37602
96407 71200 92372 72466 30646 26692 22125 96289 62540 06591
06254 93821 25633 45346 85700 70007 70008 36460 72919 07142
00361 27924 56259 50464 65402 63483 25953 00 000

11464/10464/9164 kHz, 13-02/16-02, 0010/0030/0050 UTC

441 441 441 1 2073 76 2073 76
46337 38589 23827 60794 41088 04717 94708 28259 26561 95883
42646 22009 62030 58372 29473 58169 10655 28199 02068 78392
67811 35320 62451 18921 20493 62740 62348 90123 50197 72558
13390 76595 09684 24308 95445 74610 79263 68629 29084 68769
89720 44506 73974 18245 01379 84858 40690 84543 93937 74407
77865 60087 59733 53446 18418 23702 18735 74217 93631 99303
81013 76217 08679 45066 33207 98328 47163 58479 40927 98975
52327 55582 13171 95214 04628 54391 000 000

14377/13461/12114 kHz, 13-02, 2000/2020/2040 UTC

317 317 317 1 972 44 9720 44
89239 77532 48349 32469 07923 82537 11679 06850 16267 36962
57795 36992 25395 96975 43140 64513 91093 14625 77385 38068
23705 01225 37362 73523 18812 11288 77165 57259 83837 01266
08089 47974 34335 83619 20441 02357 66618 72681 25145 04508
99375 02588 67188 17872 000 000

11435/10598/9327 kHz, 14-02, 1600/1620/1640 UTC

938 938 938 1 4563 62 4563 62
06080 66465 76292 26199 17885 02595 16885 97433 00564 53681
53337 84019 70356 20977 32712 70952 51831 79777 14559 12780
95891 94895 67867 23116 17145 54430 74650 99761 91569 81965
35211 71716 39282 79837 12281 75176 34192 55197 31499 68796
84462 34881 02983 64496 65383 38091 86194 38752 74744 33247
29835 96184 66079 41244 07837 12878 43723 02773 80706 39352
21234 95198 000 000

9317/10484/11552 kHz, 18-02, 0530/0550/0610 UTC

135 135 135 1 9563 109 9563 109
99825 63540 32726 13404 29459 94100 99206 07120 34266 00155
48093 06233 23184 37025 63686 85217 72913 61860 47577 80489
14542 88534 29692 98316 79491 97405 77163 08427 71435 47447
31323 69232 91461 75615 45148 50094 20962 87105 55270 32541
15349 00736 99545 82662 91479 86765 27193 59139 26762 29907
30098 67784 02162 34914 30391 24372 21051 04011 94605 52253
69345 40979 87676 67236 78969 36074 43829 88932 19451 20649
04787 34999 25400 15447 43530 99604 23060 33328 00393 11889
27373 14068 31819 72501 77147 90820 18353 85309 50080 19971
67628 96644 55326 03719 65874 02805 83723 98125 75249 18416
53129 79926 67022 51576 02578 03914 19866 05326 48593 000 000

7546/9146/10646 kHz, 18-02/23-02, 0600/0620/0640 UTC

516 516 516 1 333 96 333 96
99093 97187 05005 09468 25003 47716 47496 31369 22579 04312
92364 14546 80245 47076 46736 11908 71741 77198 53820 22785
11838 65479 37764 30252 00213 15301 72827 10855 51806 86080
25782 83087 76181 99840 62302 68945 52320 54089 26053 96937
32298 40240 87655 23701 33684 38473 95083 10850 09592 58581
60182 28861 51010 97900 10245 70520 29510 13664 39632 16076
49624 68890 26688 60841 29453 77096 43260 41857 67515 04866
70427 89800 64339 19704 48447 81191 30860 50577 50030 24813
11836 10122 38000 24374 52655 43212 00428 45274 06014 56429
09560 75222 09431 09950 00008 05647 000 000

12162/11566/10711 kHz, 19-02, 1710/1730/1750 UTC

546 546 546 1 7149 110 7149 110
19402 15931 41487 18951 38174 56353 48997 96269 38294 35795
33153 29477 93626 47931 93138 08962 73067 97462 56623 59325
42170 04629 54570 21999 33362 89710 04197 52700 67467 79504
72894 72358 97868 68687 26280 59433 68907 14319 36337 08675
31566 96432 89137 82113 25668 42143 85637 05997 57325 32265
99488 22383 11700 22649 48934 90252 37122 15601 89846 53832
27683 90220 42057 02304 97394 06616 58685 55446 48628 68946
50585 41676 44081 39994 10730 65929 74831 82950 00260 83680
71851 50465 46778 04239 48640 26441 15375 74026 08574 75370
20350 59218 57348 80626 90767 87535 08145 45651 11923 90222
83273 64258 87678 78984 02059 91673 90206 71249 82725 80972
000 000

14377/13461/12114 kHz, 20-02, 2000/2020/2040 UTC

317 317 317 1 7930 110 7930 110
88665 98561 97077 10083 77437 12034 31093 25807 08097 22244
66264 92027 89058 13638 76578 28519 38979 47774 79064 06957
25891 32133 01699 89230 63964 20294 35106 07139 07396 95305
72224 93622 51341 82114 60542 77592 08767 68960 82878 13967
82004 01399 71745 77364 07253 04157 73930 33117 14734 65132
45903 78025 95632 75550 28809 30546 86987 27155 57861 40729
98556 60572 20388 35329 95395 37587 26480 40484 95310 48437
53377 35176 80787 03518 17653 86021 53095 03700 52242 15521
68927 74316 03513 12948 21303 33817 09441 52213 15440 41689
76431 05083 19544 02340 76235 73794 84955 21743 45644 61730
11292 31702 52777 20165 92373 98868 54237 67938 31087 44839
000 000

11435/10598/9327 kHz, 21-02, 1600/1620/1640 UTC

938 938 938 1 5341 76 5341 76
73381 91945 60701 29864 23702 91236 29745 45821 18178 86123
30094 36252 89583 72256 60552 32914 29992 18791 82202 22341
53667 24571 16119 89651 85337 38529 08598 92329 72080 21104
36732 00383 48271 20120 55353 64535 26486 30268 89595 89377
10808 73296 55021 83407 18441 60304 61753 18408 08202 38286
55295 35491 70150 47589 99317 36427 77439 08890 53481 97797
63396 51122 71213 95759 68583 64507 68441 43563 97673 31342
49101 78550 16146 87799 59020 92849 000 000

9317/10484/11552 kHz, 25-02, 0530/0550/0610 UTC

135 135 135 1 2886 107 2886 107
42267 65503 47957 78572 19949 70527 49090 48523 38261 22592
47712 52879 59328 46943 83348 36337 54592 62975 10827 35976
52164 14329 98404 13391 27291 75065 76661 23951 19686 36886
01954 70146 64671 22881 74789 21338 17105 66023 21495 73973
17968 64151 66765 93524 61649 59832 91606 37519 25406 53846
37727 91462 66831 50791 18322 17584 10368 24427 23892 66191
56824 53496 26620 62148 06529 89406 46669 51013 99464 66685
44700 81636 68431 69924 41919 11872 13554 99560 45656 15148
67331 25519 72815 22912 74329 94447 50486 49139 43463 26503
86911 13042 80133 67941 20618 30697 28409 90274 08711 31026
46180 70837 17169 96044 55291 32404 19322 000 000

7546/9146/10646 kHz, 25-02, 0600/0620/0640 UTC

516 516 516 1 239 123 239 123
51727 20871 26581 98660 65494 51735 18075 32196 50314 62035
46976 10144 19433 48288 28669 27886 61435 71684 74696 72913
72977 11774 07341 19337 18946 04082 33067 14488 91764 09372
03982 02477 90092 20218 67847 40162 68017 59170 65573 63603
69742 98032 21742 34460 05589 60065 37617 06378 07049 65979
63411 11713 67531 52648 03256 46204 75919 89185 36350 00424
89961 73080 79183 43510 11035 20264 32163 53440 55509 98054
29349 64525 98995 44414 30097 92790 91738 71181 90420 77516
30578 39840 83667 88372 28469 16766 45135 80825 73534 50390
88308 65608 64030 41782 26307 01324 30761 02748 03817 48655
58488 75313 49605 85728 41612 36252 78875 31498 66927 64103
48833 78263 17950 64620 15037 48891 14959 37326 00098 54977
22147 08582 83852 000 000

12162/11566/10711 kHz, 26-02, 1710/1730/1750 UTC

546 546 546 1 8911 104 8911 104
85346 05916 28011 65812 95415 27120 52421 90341 38430 96508
74454 59335 55959 66253 98172 91345 52831 59522 35410 15230
05098 99042 72858 93957 60254 42147 41138 78051 14326 36147
72756 01906 17443 57310 27867 23085 17483 56353 34476 72343
73064 38324 04923 34975 38625 45663 24528 56798 33705 12083
55956 71843 02780 14861 38155 87606 87484 67386 35444 70615
62355 43876 94033 74349 03747 63124 15044 73791 53552 05439
33225 07126 64981 13961 48091 50613 86146 56033 05732 14008
84564 26801 90395 67475 56649 68902 31264 14338 59842 02914
76707 59058 17559 67809 52573 53306 40284 76422 76364 29456
73102 17098 45721 79829 000 000

11435/10598/9327 kHz, 26-02, 1810/1830/1850 UTC

938 938 938 1 4113 73 4113 73
 57928 25466 90012 60763 91339 08724 66706 83964 98367 33489
 74078 75167 08822 77749 06490 17245 32022 28880 61471 10731
 27482 40208 94628 33658 73758 67843 76319 25633 58300 43399
 26963 07754 79991 55849 81228 57207 52772 66487 50463 65617
 69982 85175 56466 45461 12640 23739 94117 63870 80166 48383
 08055 41090 38700 84883 46146 63925 70209 89664 15535 20817
 86460 39910 03226 34232 05923 27181 54704 88015 74301 16573
 13255 82631 64210 000 000

5832/6832/7732 kHz, 28-02, 2200/2220/2240 UTC

887 887 887 1 6910 112 6910 112
 02337 28765 48205 69844 78214 48688 19235 91693 38399 86200
 01123 06921 10633 26372 56706 77856 51841 50162 22418 47785
 53301 36710 77046 41604 20259 24378 62452 19089 62118 02071
 43597 82576 41230 37953 03205 90166 26931 66991 32659 60212
 79292 33184 93912 75609 99854 47918 65398 92990 07664 53722
 60720 89792 69285 68310 85838 02078 60615 71159 80780 50379
 54502 18850 06455 79799 80064 47667 93446 89874 80241 43368
 63091 88295 54262 38220 41805 05037 28945 18389 27478 03796
 76521 05290 08876 90259 28522 55928 10121 24557 08244 88280
 49046 42369 64541 89486 46190 61395 30251 17921 36367 51639
 38850 63325 07840 62276 72483 70418 34812 08967 25034 12922
 77214 62569 000 000

M14**4730 kHz, 01-02, 0800 UTC****4650 kHz, 01-02, 0900 UTC**

523 501 501 33 33 = =
 02031 52341 96405 30102 67809 10232 61207 70234 80975 58302
 20731 20405 21134 57303 50520 96501 26808 70712 20341 60743
 40422 22890 90909 90827 30654 21354 54567 70346 48897 00723
 64213 48609 50560
 = = 501 501 33 33 00000

4730 kHz, 08-02, 0800 UTC**4650 kHz, 08-02, 0900 UTC**

Repeat of 1 Feb. Group 32 should be 48609. The repeat of the group was correct.

523 501 501 33 33 = =
 02031 52341 96405 30102 67809 10232 61207 70234 80975 58302
 20731 20405 21134 57303 50520 96501 26808 70712 20341 60743
 40422 22890 90909 90827 30654 21354 54567 70346 48897 00723
 64213 48605 48609 50560
 = = 501 501 33 33 00000

4636 kHz, 11-02, 1820 UTC**4761 kHz, 12-02, 1920 UTC**

186 235 235 33 33 = =
 75683 65412 89032 79231 90234 65232 98765 13579 24680 14790
 08642 97531 12789 78523 13457 46257 39456 12568 67345 97123
 39045 58596 25790 21349 64321 79658 12457 23568 80123 06745
 69743 78965 87654
 = = 235 235 33 33 00000

17458 kHz, 10-02/25-02, 0930 UTC

15994 kHz, 11-02/26-02, 0930 UTC

617 534 534 128 128 = =

47082 99747 88551 03025 90215 43552 20671 96457 44428 50803
69177 14252 75999 47673 56616 19467 59756 16386 34382 11927
36454 79165 92143 72184 66772 58991 93975 40466 40997 43340
25207 34990 69658 12025 62534 98492 59963 43323 19885 16177
95202 47960 27867 54045 30290 46648 76228 34319 72274 04126
79671 98213 23472 10341 73160 53902 83256 13029 34888 76627
13592 38325 01215 06193 73933 90016 48985 72050 67021 20636
23578 88599 39300 42180 52151 42655 67836 65554 57278 78862
68103 23612 47854 27970 54993 25076 29185 82625 13438 07937
27780 73597 42650 98408 28843 20008 28601 59366 44944 16793
29659 94998 45172 59435 88479 90781 35459 45049 66145 66192
76468 55954 55835 55989 51339 88551 39039 96730 09696 92462
87651 72591 50448 63988 16119 64064 49169 14439
= = 534 534 128 128 00000

4730 kHz, 15-02, 0800 UTC

4650 kHz, 15-02, 0900 UTC

523 235 235 33 33 = =

75683 65412 89032 79231 90234 65232 98765 13579 24680 14790
08642 97531 12789 78523 13457 46257 39456 12568 67345 97123
39045 58596 25790 21349 64321 79658 12457 23568 80123 06745
69743 78965 87654
= = 235 235 33 33 00000

4730 kHz, 22-02/29-02, 0800 UTC

4650 kHz, 22-02/29-02, 0900 UTC

523 421 421 33 33 = =

75683 65412 89032 79231 90234 65232 98765 13579 24680 14790
08642 97531 12789 78523 13457 46257 39456 12568 67345 97123
39045 58596 25790 21349 64321 79658 12457 23568 80123 06745
69743 78965 87654
= = 421 421 33 33 00000

4626 kHz, 25-02, 1820 UTC

186 991 991 32 32 = =

12381 99102 44810 09182 44614 98011 36172 88912 94311 89110
47712 89122 04203 48192 99031 88721 99042 49108 28119 94011
55617 89445 02516 89102 44812 89901 44718 23819 13902 89881
90931 22890
991 991 32 32 = = 00000

4761 kHz, 26-02, 1920 UTC

748 991 991 32 32 = =

12381 99102 44810 09182 44614 98011 36172 88912 94311 89110
47712 89122 04203 48192 99031 88721 99042 49108 28119 94011
55617 89445 02516 89102 44812 89901 44718 23819 13902 89881
90931 22890
991 991 32 32 = = 00000

M21 - Russian Air Defense Forces (Войска ПВО Voyska PVO)

5860.5 kHz, 01-02, 0556 UTC

=990859??0????? =990900??0????? =990901??0?????

5860.5 kHz, 04-02, 0614 UTC

=990918??0?????

4951.5 kHz, 03-02, 1756 UTC

=22100701100836 =992101??0????? =992102??0?????

7949.5 kHz, 04-02, 0710 UTC

=99?1010?9????? =99?1011?9????? =99?1012?9?????

3322 kHz, 15-02, 1928 UTC

=992232??0????? =992233??0????? =992234??0?????

5980.5 kHz, 10-02, 0946 UTC

=991246??8?????
 =11777942826746
 =991247??8?????
 =11777942837547
 =991248??8?????
 =11777942828948
 =991249??8?????
 =11777943827849
 =991250??8?????
 =11777942875350
 =991251??8?????
 =21777901060632

4221 kHz, 12-02, 0517 UTC

=27324801100630
 =27324901100630
 =990822??0?????
 =17324998206319
 =990823??0?????
 =1732499820962
 =990824??0?????
 =990825??0?????
 =17324998209822
 =17324998209822
 =990826??0?????

M22

2680//4331//6607 kHz, 09-02, 0700 UTC. Traffic list followed by messages.

Traffic list:

VVV DE 4XZ 4XZ = =
 BF4X NR 202 WP GR 91 = =
 PB2E NR 102 DE GR 81 = =
 LE2A NR 002 EA GR 71 = =
 BF4X NR 991 AN GR 61 = =
 LE4P NR 391 HO GR 51 = =
 BF4X NR 791 FZ GR 41 = =
 PB6R NR 691 CD GR 31 = =
 BF4X NR 591 JK GR 21 = =
 PB6R NR 491 SU GR 11 = =
 LE4P NR 391 DU GR 01 = =
 BF4X NR 202 WP GR 91 = =
 PB2E NR 102 DE GR 81 = =
 LE2A NR 002 EA GR 71 = =
 BF4X NR 991 AN GR 61 = =
 LE4P NR 391 HO GR 51 = =
 BF4X NR 791 FZ GR 41 = =
 PB6R NR 691 CD GR 31 = =
 BF4X NR 591 JK GR 21 = =
 PB6R NR 491 SU GR 11 = =
 LE4P NR 391 DU GR 01 = =
 VVV DE 4XZ 4XZ = = AR

M23

5345 kHz, 10-02, 1632 UTC i.p. 111 (R)
 5345 kHz, 11-02, 1630 UTC 111 (R10)
 5345 kHz, 12-02, 1630 UTC 111 (R10)
 5345 kHz, 13-02, 1630 UTC 111 (R10)
 5345 kHz, 14-02, 1630 UTC 111 (R10)
 5345 kHz, 15-02, 1630 UTC 111 (R10)
 5345 kHz, 16-02, 1630 UTC 111 (R10)
 5345 kHz, 17-02, 1630 UTC 111 (R10)
 5345 kHz, 18-02, 1630 UTC 111 (R10)

5345 kHz, 19-02, 1630 UTC 111 (R10)
 5345 kHz, 20-02, 1630 UTC 111 (R10)
 5345 kHz, 21-02, 1630 UTC 111 (R10)
 5345 kHz, 22-02, 1630 UTC 111 (R10)
 5345 kHz, 23-02, 1630 UTC 111 (R10)
 5345 kHz, 24-02, 1630 UTC 111 (R10)
 5345 kHz, 25-02, 1630 UTC 111 (R10)
 5345 kHz, 26-02, 1635 UTC 111 (R10)
 5345 kHz, 27-02, 1635 UTC 111 (R10)

M41 - Russian Air Defence Forces (Boйcka ПBO Voyska PVO)

7141 kHz, 03-02, 1100 UTC

517051160589856100
6500019095051700
18005111701
5VCK
=72219496004182844128711201707
=722194960160425131375209018
=72219496026887054128721201708
=72219496036058992137511801608
=72219496046816341191523101709 AR

4102.5 kHz, 05-02, 1732 UTC

7221949623688805523752320 33
722194762468468 331287220 33

6784.5 kHz, 12-02, 0542 UTC

4RVU 4RVU AR VVV VVV VVV VVV 4RVU 4RVU AR

M51a / M51b

M51b: 6825 kHz, 04-02, 1449 UTC

Non-stop 5-character groups composed of M51a messages.

The spaces between the messages were not transmitted but entered afterwards.

YUTGD SGQHA ZBWHF QMAOL KQIAH DVXCW GERSF HQJUK XNWHR 37628
PMLAY DGCYX WNHYE XYCJV DHSRZ AYHSF QUJWC XLOKQ WVDFT UJXVE
AOLCG WUJFO QLKAY 45201 XBWHR SYHFU AJLQO WBCVF DOLSM TGCYX
WNQJA 28927 CVDJR TYDIO QLKAG CBVXH QXWRF ZJQKL APMWN OLHYT
XBVXH SHNWJ QKALP MQJNH BCFVR STGZU QJNAI QKALP QMAYN UYTFG
CVXGR CWOLA 37287 XBWNG SHQUJ ZUJSK WXSCG CLPMA ZNJKU YHNBG
XBCFR SJKAY LCGDO WPMJH NXCDT ZUJSF AWJKL QPMAU JKQCV YHMLQ
VCGRT SDZJK AHNBX 36829 WNBGD RTSZG 25617 XVCHD WJKQI UJHTG
BCNDR SFZCW QHJKA LWOKY NCGRF XFLFL DFRS MFMFM

GDJSF WHQGF XVCHR LAHJD XJHDG QLAMQ MAJKE YHDJS WBSKA UJDHS
LAPMD WJNXV DGRYS AUJDK 56287 WBCJD AJHQU 78352 WBXVC YHDGS
WBXLA PMQKU YHDKQ LAPOI BXNWJ THSUZ QHAGU JPKSI 67389 UJDHS
YHLPK WJQKA MLGHD JQKYH XVWOL YHSJE 63528 HNXJD SKZUA PMAJG
JOALK XNBWJ SJHQL MAPKI HDJRT SGDFX MQPAU 56483 GVXHS WBSJZ
IKAGH WBHDL AOKSH QMAPH WBXHR SHZYA 67382 VWBXH SJZUA QJAHG

VBCHD WJSYZ JKAOL JNXCD GCHAI WBNDH AOLDP JKSMK HJWKS HDGRY
MLJKI HJDLZ UJSGX VCDGR YUZKS WKAOL 63826 UJDKS BXNRY AKSLP
LKDHC VXKSU YZHSK QLAPM JKDLB NXJRT 63820 17362 XNDJZ WKQLA
PGHFV CLPEU DJSKA LWNXI UJFLB NCKFU ZIKDP SMZUH 29463 WBSJZ
LFHDV CBXYR SJAPJ NWKDP SKQIL ZUJDG XBSHZ UJSKZ WVXYT HDKAU
LKFFC VXBDT VPAKD JNXLS WBXYR DGZIJ 37284 TGDJX BSJZU WNXHZ

JHFRD NJSDE ZPOYT QRWET IYUTO POLKJ ZCXVB MNJHB ASFDG 13957
VXSGW ., 'AS SK QDSSG LJPUO NVBFG YRTQW ASZXA QPLIH BCVDN HDYEI
10369 VXSUW 'AS?., TRYEU QEWAR BCXDS MJKHU RQEOH BGHVT XAZSQ
MNKHJ 47850 BQTBS SK AS?.. XCZPQ MLHPI XASQW LCMEY RGSOW XCADQ
PLKMO ZXCVD 75301 XUWDL ./?.,= PLOIU BVDGW QTYRE ZXQWU PRUTY
BDGRT XCSRW OKRYU 85247 GRWTJ /?.,' FBFBI PLOIU VZBQI ETFGR
'AS./? NVDMK 52036 VDGFS SHGCD AZSQL MNEYH DJFVO ALKCJ QWIVJ
BDGVX 50369 QAVNR 'SK+.? VAXZN MLFKE CALSD ETFUB

M89 - Chinese Military

3358 kHz, 02-02, 1403 UTC, i.p.

R HR MSG NR 040 CK 54 32 0202 2200 RMKS 8847 TO 8845 K

R GA K

HR MSG 01W = DU7D 7U56 TUNN TUN7 T3N4 U3ND U47N N367 7A4D U55D 654D (Cont'd)

3380 kHz, 02-02, 2143 UTC, i.p.

0542 RMKS 6652 TO 5152/QTC 8/1450 A K

R QSL 0546 K (Both stations on this frequency)

R QSL 0546 K R QSL 0546 K

R U F GA K

R HR F GA K

R GA FF/053/EX 0546 RMKS 5152 TO 6652 =

HZX8/GTR4 AR K

R QSL 0548 K

R QSL 0547 K

R NR 154 CK 89 74 0203 0548 RMKS 6652 TO 5152 K

R GA K

R 7G 1W = 7D5A 4T5D KD5 DDU4 463A 4NAD 673A .D3 N TUAD TTAN K AR

R QSL 0553 K

U 7G GA K

R AS AS

HR MSG K

R GA K

R MSG NR 054 CK 89 27 0203 0550 RMKS 5152 TO 6652 K

R RPT TIME K

R RPT TIME 0550 K

R GA K

R MSG = 5U6N D3UT AUD3 474U 6A57 D64U 6D7T 5D57

R RPT 10W K

R ? 05W = 6A

R

4535 kHz, 02-02, 1428 UTC, i.p.

FF NR .../EX RMKS 8997 TO 6652 =

65

FF NR 079/EX 222. RMKS 8997 TO 6652 =

64R8/NWTK9 AR K

R QSL 2228 K (Both station on this frequency)

R HR MSG GA K

R MSG NR 136 CK 89 74 0202 2228 RMKS 6652 TO 8997 K

GA

R MSG 01W = 67A5 437A D346 74DT 65UN 47AU UDTA UUTN TUAN TTA7 T7NU TUDU (Cont'd) AR K

QSL 2235 K

R U MSG GA K

7G GA NR 080 CK 89 74 0202 2236 RMKS 8997 TO 6652 K

R GA K

R HR 01W = 67A5 437A D346 74DT (Repeats previously sent msg)

4841 kHz, 02-02, 0853 UTC, i.p.

AS AS

R QSA 3 QSA ? K

R IEC = 3560 AR K (Exercise associated)

R HR WK NR 110 110 K (0857z)

R HR MSG GA K

R MSG NR 2131 CK 91 .8 0202 1630 RMKS = 9092 TO 3292 AR K

R = = A53U T5NN ADN3 T76T UT4D N44. 757T 33N6 T5T6 TTUN A745 (Cont'd)

3332 kHz, 06-02, 2020 UTC, i.p.

FF NR 6409/EX 0311 =
X3Y/Z AR =
X3Y/Z AR
= X3Y/Z AR QSL 2324 QSY 18 1SY 18 ...

3654 kHz, 06-02, 1222 UTC, i.p.

UAA5 A577 UTU3 UNTA ...
AR K
R RPT 13W 4D4D AR K
R RPT 62W = 5TD3 AR K
R RPT 62W = 4UD4 AR K (Cont'd repeat groups)

3731 kHz, 06-02, 1226 UTC, i.p.

R RPT 24W 27W K
..24W = = NA.7 N.U7 AR K
R RPT 14W K (Cont'd asking for repeats)
R QSL 2028 K
R HR WK NR 2020 K
R HR WK NR 6350 K
R NIL SK GB

3842//4135 kHz, 06-02, 1257 UTC

V 8FBH (x3) DE 5J9K (x2)
VV MSG NR 024 CK 499 50 0206 2100 =
4U7T 5U56 UD3D AN4A 757D 7AT6 AD5T 6AN7 TTT73 TTTU (Cont'd)

3663 kHz, 07-02, 1931 UTC, i.p.

DE CZN6 K
R QSA 3 QSA ? K
R HR MSG GA K
R NR 0195 CK 111 42 0208 0330 RMKS 9229 TO 9256 K
R = UU63 N6DN NNN6 7665 67T7 55TA T56D 6756 T753 TA43 3N7A (Cont'd)

4405 kHz, 07-02, 1643 UTC, i.p.

= 4NUA D6UD 4NUA D6UD AR K
R R RPT 67W = 7733 7733 AR = K
= 6TTN 6TTN K (Cont'd to repeat groups)
R P3 01W GA =
A66U 6656 7TU5 5DUT DD73 U4TA T7T7 453A T4TA TTDU AR K (Cont'd)
R SK

3238 kHz, 10-02, 1605 UTC, i.p. (RIS9 in background)

VV HR F GA (Sending extremely slow)
VV HR F GA F NA (Operator having great difficulty in sending message)
F NR 070/EX 22
VVV HR F GA FF NR 070/EX 0010 RMKS EEEEE (Appears to have changed operator)
F NR 070/EX 0010 RMKS CQ =
AK47/CF36 AR
AGN F NR 070/EX 0010 RMKS CQ =
AK47/CF36 AR
VV HR CMSG GA
VV HR MSG GA
7G NR 071 CK 199 35 0211 0000 RMKS CQ =
(Note that the number 35 used after the CK group is normally used by M95 stations 8073//4364 and 9054//4243)

5816 kHz, 10-02, 1054 UTC, i.p.

3UAD 7U6T D7T4 TA65 5T3D ...

AR QSL ? K

R HR WK NR 250 K

R NIL SK K

VV RHIR DE NLA6 K

R U R RHIR DE NLAB R QSA 2 QSA ? K

R RHIR DE NLAB R QSA 2 QSA ? K

4680 kHz, 11-02, 0905 UTC

V Y7JF Y7JF Y7JF DE IB8Q IB8Q

VV HR SVC GA

NR 009 17 33 RMKS 1124 TO 096 =

COMM/1750/00Z 227/1124/096 AR

AGN

NR 009 1733 RMKS 1124 TO 096 =

COMM/1750/TTZ227/1124/096 AR

QSL ? K

VVV HR F SVC GA

NR 010 1735 RMKS 1124 TO 051 =

COMM/1830/TTZ224/1124/051 AR

AGN

SVC NR 010 1735 RMKS 1124 TO 051 =

COMM/1830/TTZ224/1124/051 AR

QSL ? K

V Y7JF Y7JF Y7JF DE IB8Q IB8Q

ZNN SK R ZNN SK

R SK

3245 kHz, 15-02, 1720 UTC, i.p.

R QSL 0120 QSL 0120 K

R NIL SK (All stations on this frequency)

R GB

0122 QSL 0122 K

NIL

SK

VV GBYH DE FG5R K

OK QSL QSL 0122 0122 K

R NIL SK

R GB

VV GBYH DE HBCY K

R OK QSL QSL 0125 0125 K

R NIL SK

R GB

QSL QSL 0122 0122 K

R NIL SK

R GB

VV GBYH DE FRDX K

R QSL QSL 012.

4520 kHz, 15-02, 2020 UTC, i.p.

U56D DT4A D56N 475D 734D ... AR

QSL 1936 AR K (Both stations on this frequency)

R R HR WK NR 22400 HR WK NR 22400 K

R HR WK NR 3207 K

R NIL SK

R TKS WK NIL SK GB AR

M95 - Chinese Military

3427 kHz, 02-02, 1815 UTC, i.p.

3NUT 675A UTD7 474T ND5D 645A (Cont'd) AR K
R QSL 0215 K (Both stations on this frequency)
R U MSG GA K
R R MSG GA NR 044/CCK CK 89 27 0203 0215 RMKS 7962 TO 6652 =
NTUD DTAU T57U 767A 3T3U 6N7T UDGA DUNA TUAU TTTA 6A3A (Cont'd)

4545 kHz, 02-02, 0801 UTC, i.p.

R HR MSG NR 001/CCK CK 91 23 0202 1600 RMKS 5715 TO 1048 K
R = = A47T 7456 3D5N DT3U 46N4 UT36 NUDA U364 TU46 TTA4 3TU6 AN7T (Cont'd)

4243 kHz, 04-02, 1144 UTC. Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 04-02, 1150 UTC. M95: CW. Repeating Q26's messages

BNGC DE XSV85
HR MSG TO YR PSE CY
NR 083 CK 57 35 0204 1532 =
5AA UTT TT4 3U6 7TA N44 3A4 5TD 75U 354 (Cont'd)
AR MSG AGN
NR 083 CK 57 35 0204 1532 = (Repeats message)
AR A HR MSG GA
NR 08 CK 196 35 0204 1558 =
UTU TT4 3U6 3A4 7TU 7TA NU6 7T5 777 33A (Cont'd)

4364 kHz, 04-02, 1131 UTC. Q26: 4+4 QPSK 75/3000 LSB. Messages

4364 kHz, 04-02, 1140 UTC. M95: CW. Repeating Q26's messages

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0120 CK 297 35 0204 1006 =
3U6 3AN 3U7 TAU 773 TA7 773 353 (Cont'd)

4243 kHz, 06-02, 1147 UTC. Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 06-02, 1150 UTC. M95: CW

BNGC DE XSV85
HR MSG TO YR PSE CY
VV HR MSG TO YR PSE CY
NR 087 CK 52 35 0206 1537 =
5AA UTT TT6 3U6 3A4 5T7 5TD 75U 357 4TN (Cont'd)
AR MSG AGN
NR 087 CK 52 35 0206 1537 = (Repeats message)
AR A HR MSG GA
NR 12 CK 165 35 0206 1555 =
UTU TT6 3U6 3A4 TTU 773 354 N3D 353 4AA (Cont'd)

4364//8073 kHz, 06-02, 1133 UTC. Q26: 4+4 QPSK 75/3000 LSB. Messages

4364//8073 kHz, 06-02, 1143 UTC. M95: CW. Repeating Q26's messages

V BNGC (x3) DE XSV85 (x2)
HR MSGS GA PSE CY
NR 0128 CK 367 35 0206 1630 =
TT6 3U6 3AN 3U7 TAU 773 357 4T3 NN3 447 (Cont'd)

3021 kHz, 07-02, 1647 UTC, i.p.

DE RF56
N QSA 2 QSA ? K
NIL = 3295 AR
HR MSG GA CY HW
MSG NR 042/CCK CK 199 96 0207 2200 RMKS =
7393 TO 7163/7387/74337410 0937/7364/7353/7443/7448/7663/7373 TO 7393 AR K
= = = 67N5 TA5D 6U34 4D73 (Cont'd)

4243//9054 kHz, 07-02, 1208 UTC. M95: CW

4243//9054 kHz, 07-02, 1225 UTC. V26: USB voice. Repeating M95's messages

AR MSG AGN

NR 14 CK 161 35 0207 1602 =

UTU TT7 3U6 3A4 TTU 773 353 N3D 35U (Cont'd)

AR A HR MSG GA

NR 075 CK 15 35 0207 1637 =

UT5 TT7 3U6 3A4 TTA TTU TT3 773 353 N3D

35U 4AN 435 4D3 3DA AR

MSG AGN

NR 075 CK 15 35 0207 1637 = (Repeats messages)

AR A HR UP SB WK

4364//8073 kHz, 07-02, 1143 UTC. M95: CW. XSV85 i.p.

4364//8073 kHz, 07-02, 1202 UTC. V26: USB voice. Repeating M95's messages

773 356 4T3 NN3 447

AR

NR 0133 CK 40 35 0207 1617 =

TTU N5U TT7 N53 TAD N54 7TT TTN 746 7T5

77D N3. 7T7 TAU 773 TA7 773 TAD 773 TAN

773 TUU 773 TU3 773 TU4 773 TU5 773 TU6

773 TU7 773 TUN 773 7AN 7AD N47 3AN 7U5 AR

5525 kHz, 10-02, 1031 UTC, i.p.

53UN 3U7D 4567 3UDN ...

AR QSL ? K

R RPT 73W K (Both stations on this frequency)

R RPT 73W 2158 2158 K

R QSL 1835 K

R U 7G GA K

R HR 7G GA NR 001/CCK CK 99 06 0210 1830 RMKS 4046 TO 4047 K

R GA

R BT U6U3 UAN5 65DN UANU 3UAN 3U5N NTAU 567U AUN3 T46D D6U5 ...

9054 kHz, 11-02, 0912 UTC. M95: CW. Message i.p.

9054 kHz, 11-02, 0915 UTC. V26: USB. Repeat of M95 messages in Chinese. Female operator

445 3DU N3D 3DA 4D4 AR

A HR MSG GA

NR .7 CK 17 35 0211 1625 =

UT5 .AA 3U6 3A4 TTA TTU TT3 773 356 4AD

446 33N N3U 445 4D. 3DA N3D 3DA AR

A HR U.. K

4364//8073 kHz, 15-02, 1131 UTC. V26: USB. Callup in Chinese. Male operator

4364//8073 kHz, 15-02, 1133 UTC. Q26: 4+4 QPSK 75/3000 LSB. Messages

4364//8073 kHz, 15-02, 1140 UTC. M95: CW. Repeating Q26 messages

V BNGC (x3) DE XSV85 (x2) NGC DE

HR MSGS GA PSE CY

NR 0159 CK 34 35 0215 1543 =

TTU N5U TA5 N53 TAD N54 7TT TT4 746 7T5

.TA 4TA N7D N35 7T5 4TN NAN 74D 336 N3U

7A3 777 76U 756 773 7NN D3A N56 4TN 777

7AD N47 3AN 7U5 AR

NR 0160 CK 261 35 0215 1613 =

TA5 3U6 3AN 3U7 TAU 773 TA7 773 357 373 ...

4243//9054 kHz, 15-02, 1146 UTC. Q26: 4+4 QPSK 75/3000 LSB. Messages

4243//9054 kHz, 15-02, 1147 UTC. M95: CW. Repeating Q26 messages

4243//9054 kHz, 15-02, 1214 UTC. V26: USB. Switched to Chinese voice. Female operator. Repeating Q26/M95 messages

VV HR 7G TO YR PSE CY

NR 30 CK 120 35 0215 1513 =

UTU TA5 3U6 3A4 7TU 7TA 7TN 73U ... AR

7G AGN

NR 30 CK 120 35 0215 1513 = (Repeats message) AR

A HR MSG GA

NR 006 CK 46 35 0215 1602 =

5AA UTT TA5 3U6 7TA N44 3A4 5T7 5TD ... AR

MSG AGN

NR 006 CK 46 35 0215 1602 = (Repeats message) AR

A HR MSG GA

NR 008 CK 13 35 0215 1617 =

UT5 TA5 3U6 7TA TTA TTU TT3 773 4UT 456

47T DD7 NT6 AR

MSG AGN

NR 008 CK 13 35 0215 1617 = (Repeats message) AR

A HR MSG GA

NR 009 CK 16 35 0215 1618 =

AT5 TA5 3U6 3A4 TTA TTU TT3 773 354 N3D

353 4UT 456 47T 4D6 3D6 AR MSG AGN

NR 009 CK 16 35 0215 1618 = (Repeats message) AR

A HR UP SB WK

4243 kHz, 16-02, 1151 UTC. M95: CW

4243 kHz, 16-02, 1227 UTC. V26: USB. Switched to Chinese voice. Female operator. Repeating M95 messages

VV HR MSG TO YR PSE CY

NR 32 CK 169 35 0216 1514 =

UTU TA6 3U6 3A4 .TU 7TA NU6 N65 7T5 777 ... AR

A HR MSG GA

NR 008 CK 36 35 0216 1549 =

5AA UTT TA6 3U6 7TA N44 3A4 5T7 5TD 75U

354 377 4A5 44N 3D6 346 N3U 44D 3D5 4D6

5TN 75U 354 377 4A5 44N 3D6 4D6 5AA 75U

357 377 4A5 44D 3D5 4D6 AR

MSG AGN

NR 008 CK 36 35 0216 1549 = (Repeats message) AR

A HR MSG GA

NR 014 CK 16 35 0216 1620 =

UT5 TA6 3U6 7TA TTA TTU TT3 773 4UT 456

47T 34T 44D 46N DD7 NT6 AR

MSG AGN

NR 014 CK 16 35 0216 1620 = (Repeats message) AR

A HR MSG GA

NR 015 CK 21 35 0216 1621 =

UT5 TA6 3U6 3A4 TTA TTU TT3 773 353 N3D 35U

4UT 456 47T 34T 44D 46N 4D6 3D6 N3D 3D5 AR

MSG AGN

NR 015 CK 21 35 0216 1621 = (Repeats message) AR

A HR UP SB WK

4364//8073 kHz, 18-02, 1132 UTC. Q26: 4+4 QPSK 75/3000 LSB. Messages

4364//8073 kHz, 18-02, 1142 UTC. M95: CW. Repeats Q26 messages

05 05 05 V BNGC (x3) DE XSV85 (x2)

HR MSGS GA PSE CY

NR 0171 CK 299 35 0218 1600 =

TAD 3U6 3AN 3U7 TAU 773 TA7 773 356 4T3 ...

4364//8073 kHz, 16-02, 1143 UTC

V BNGC DE XSV85
HR MSGS GA PSE CY
NR 0163 CK 328 35 0216 1709 =
TA6 3U6 3AN 3U7 TAU 773 TA7 773 TU4 773 ...

4243 kHz, 20-02, 1147 UTC. Q26: 4+4 QPSK 75/3000 LSB. Messages

4243 kHz, 20-02, 1149 UTC. M95: CW. Repeats Q26 messages

VV HR MSG TO YR PSE CY
NR 016 CK 41 35 0220 1541 =
5AA UTT TUT 3U6 3A4 5T7 5TD 75U 353 (Cont'd) AR
A HR 7G GA
NR 031 CK 14 35 0220 1613 =
UT5 TUT 3U6 3A4 TTA TTU TT3 773 357 37U
4AD 446 4D3 3DU AR
MSG AGN
NR 031 CK 14 35 0220 1613 = (Repeats message) AR
A HR MSG GA
NR 40 CK 195 35 0220 1620 =
... 3A4 TTU 773 354 (Cont'd)

4364//8073 kHz, 20-02, 1133 UTC. Q26: 4+4 QPSK 75/3000 LSB. Messages

4364//8073 kHz, 20-02, 1142 UTC. M95: CW. Repeating Q26 messages

V BNGC (x3) DE XSV85 (x2)
HR MSGS PSE CY
NR 0179 CK 36 35 0220 1554 =
TTU N5U TUT N53 TAD N54 7TT TA4 746 7T5
76. DN3 7TT TAU 773 TAU 773 TU4 773 TU5
773 TU6 773 TU7 773 TUN 773 T3T N34 T33
773 7AN 7AD N47 3A. AR
A HR MSG GA
NR 0180 CK 322 35 0220 1555 =
TUT 3U6 3AN 3U7 TAU 773 356 4T3 NN3 (Cont'd)

4243 kHz, 27-02, 1156 UTC, i.p.

373 N3D 353 36U AR A HR 7G GA
NR 54 CK 185 35 0227 1602 =
UTU TU7 3U6 3A4 TTU 773 335 433 (Cont'd) AR
7G AGN
NR 54 CK 185 35 0227 1602 = (Repeats message)

UM03 - Chinese X2M net

7920, 8250, 8410 kHz, 15-02, 0730 UTC. X2M i.p.

AR
51 51 CK 100 CK 100 TIME 0231 TIME 0231 DATE 1602 DATE 1602 =
YNPEK LBRTI ACTIL GYEWQ LGJYH JMBEW ... AR
53 53 CK 100 CK 100 TIME 0237 TIME 0237 DATE 1602 DATE 1602 =
LMOF .DGVX MPEGY TIZCR UJLMO PEYNH ...

5525 kHz, 18-02, 1206 UTC, i.p.

VVV HRP (x3) DE P3B (x2) (Cont'd) QSV K
NP1 DE U6S DIUBS VV
R VDE
R QSA 2 QSA ?
QSA 2
R GA ?
OK QSV K
NR 31175 NR 31175 CK 100 100 =
JEAHM XHAEO O.YGL QDGQY C.MCRD SGURX ...

DIGITAL MODES

HM01 - Dirección General de Inteligencia

From 1 Feb to 21 Feb 1600 UTC, HM01 sent the old groups and files from 5 Nov 2019.

9330 kHz, 16-02, 0800 UTC. Should be on 9065 kHz

9154 kHz, 17-02, 1000 UTC. Should be on 9155 kHz.

11530 kHz, 19-02, 1800 UTC. Should be on 11635 kHz. Switch to 11635 kHz at 1804 UTC

Finally new groups. The first since 5 Nov. 2019

11435 kHz, 21-02, 1630 UTC: 53574 75408 42577 06684 25545 85154

Files sent: 25615357.TXT 36177540.F1G 83074257.TXT 75670668.TXT 18182554.TXT 62558515.TXT

<http://www.numbersoddities.nl/HM01-files-2020-02-21.zip>

Repeated during the rest of the month.

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

M42 – various modes

14578 kHz, 18-02, 1245 UTC, Serdolik waveforms

14682 kHz, 18-02, 1245 UTC, Serdolik waveforms

14630 kHz, 18-02, 1245 UTC, Serdolik waveforms

12184 kHz, 21-02, 1030 UTC, Serdolik

11562 kHz, 25-02, 0742 UTC, Serdolik waveforms

M42b – FSK 50/500

6925 kHz, 01-02, 0644 UTC, CW + FSK 50/500

4829 kHz, 01-02, 0828 UTC, CW + FSK 50/500

6925 kHz, 01-02, 0644 UTC, CW + FSK 50/500

5285 kHz, 05-02, 0956 UTC, CW + FSK 50/500

3210 kHz, 05-02, 1809 UTC, CW + FSK 50/500

PRAT wkg LKDW. Opchat in CW and messages in FSK 50/500

ZGFU Wkg BOPK

PRAT wkg LKDW

WYGL wkg DJRG. Opchat in CW and messages in FSK 50/500

IBUP wkg CAGR. Opchat in CW. Messages in FSK 50/500

F01 – FSK 200/500

8156/6844/4527 kHz, 1940/1940/2000 UTC

Null message: 5761 00000

9064 kHz, 20-02, 0730 UTC

11100 69992 71425 20012 03509

93705 36925 12124 39806 42549 32339 58768 88781 05541 34654

90997 72621 35376 22836 56148 65583 66201 56958 76248 61078

56463 61158 06529 82998 39264 44187 81929 36977 72430 18495

56278 25029 05477 03787 63827 72016 05643 25999 57853 37352

10216 47605 05981 10412 97292 90223 46944 13062 92200 35442

38454 57762 51739 14798 50871 34665 93449 24862 86362 26165

62090 28355 28237 72318 50498 27240 50144 35587 17045 18716

39822 38327 66852 70072 17084 71478 88971 73316 50734 97878

66703 65530 04090 98641 03251 25886 63808 36044 29890 85261

31709 31348 88854 09383 84253 81012 08106 41450 29409 59705

10189 15165 15550 83587 22363 74114 72098 32274 80176 58428

86598 52931 41701 44670 47897 94936 54589 49881 10124 48548

43151 35727 57166 86010 07643 73674 72314 28538 52944 57147

42774 87621 88823 71585 53726 54080 68970 58353 51626 33315

60981 33440 81430 50179 64495 46874 27434 71926 19660 93800

12412 22655 73115 13159 34743 87698 93686 34891 48217 31389

54972 61626 14200 76646 27009 95774 80852 19811 44213 47970
69082 79176 41775 87790 69932 00646 77699 22716 83068 68955
82677 16227 51080 97902 04974 81022 69261 98020 42531 08253
75573 45119 79460 18740 50463 98154 69116 47098 81242 39851
30939 94711 70697 38501 53259 12485 94623 54417 19243 99330
37982 39428 98170 27304 64349 02892 69232 29344 98356 42648
70032 10546 25806 64344 86993 68906 41150 37585 29831 36480
97023 62330 57309 76885 35509 43991 46445 00089 05832 00642
22365 80418 98167 50814 90981 88737 48252 55286 41709 74712
92473 11315 12361 60116 78150 22744 33466 29105 58661 94434
94151 26409 28134 24447 96799 99362 75371 92409 92660 44729
61700 67527 15616 46239 52432 84643 56264 13798 56633 61812
43534 60281 54873 57818 25998 76874 19656 93060 70088 92879
58208 82266 17388 30934 32325 52455 68195 93575 34951 44587
83542 42098 28183 22350 22863 53618 72393 36509 59485 67316
01151 18259 41150 55763 21627 00017 87737 82292 45183 87097
43379 30334 77816 28706 25162 15668 25162 61676 35596 17521
91724 25411 31042 89448 79047 71443 63282 35940 12483 16068
36421 65685 51275 09476 46313 57436 61618 19831 94687 00000

12184/10169/8079 kHz, 03-02, 1015/1025/1035 UTC

54743 54262 49269 76322 21514 71245 34504 27431 18429 46160
78260 79515 82380 68621 29361 55477 96796 75368 44539 79090
56111 91381 87721 40181 35412 96859 58711 06783 94950 68526
93447 95192 74205 68687 03043 33888 55179 80476 43763 82215
99624 12733 35173 89813 89883 22943 68588 07686 28027 31690
73074 86880 72982 27042 31126 25701 20336 82315 61263 51385
54500 35664 09697 47202 27931 04914 18263 60895 47087 36092
60824 55402 69804 09086 65308 87810 43797 48865 63576 27463
40951 15715 36317 49166 67108 72898 45144 62430 52025 55212
69089 62685 49198 86848 87680 15408 00234 22012 77778 09089
43464 06733 16388 37994 71484 85305 06596 00644 67301 99794
68853 24953 73788 56043 64772 55971 76122 54623 45631 67151
01904 10168 42772 81101 68632 07516 42084 10735 33239 68112
09753 56778 23352 25100 61467 22558 54995 30541 92273 32012
66391 43200 09260 61863 22571 70339 34258 23887 70472 61950
68757 58214 49207 80860 38208 23613 85203 97165 57906 95670
26886 80411 87658 08833 98602 87960 67386 03222 78478 73001
50893 62176 29872 60611 79949 51462 41145 65330 65905 96063
53416 48675 71005 55526 80983 40031 06605 83761 54123 69361
90456 84265 38926 85165 30282 96686 13883 56141 25786 75675
07889 79959 06322 47961 29362 47621 46390 58581 41168 36803
26156 42217 61026 32658 29169 80561 92094 99485 94482 31653
13417 51725 65357 42132 84923 97694 01724 78334 46670 54531
48615 37174 16993 57752 77734 22752 19293 13886 44359 99614
92109 69609 26766 58624 62187 95819 40354 56353 85211 10091
43677 13955 83921 85945 78543 86446 38256 22382 11394 38334
07254 72084 68137 86533 87370 51776 79621 96496 36908 83124
79949 42518 21254 37663 24803 68123 58595 84143 21982 07499
70822 61774 91333 53897 69286 27772 96262 85945 30110 52671
14018 87807 38738 61815 36928 24131 08414 46492 21786 55708
02265 93117 29563 06813 13695 03940 22648 20117 84760 07676
11784 60158 67225 83528 69909 51271 55975 47016 55075 60929
49489 71070 09632 64437 17039 40803 27876 51908 77327 65422
09341 63460 18230 95706 39917 63577 12340 20479 67992 90568
08004 40527 67803 42054 00530 43407 07177 82433 13263 27553
61853 83261 43206 49148 43584 32469 50883 90185 34182 73368
99128 71154 42716 59387 70486 56799 28040 35459 17910 28380
53843 82006 28460 20867 68398 82469 04661 48528 26218 00301
93235 67319 93781 76367 15888 47539 06537 82709 81812 55166

69358 93576 86647 65334 17649 59689 27526 56364 81274 96661
88938 57808 18517 23519 79075 50930 12238 12254 21352 45069
45430 34353 30795 78314 98358 15235 29973 15936 34465 32531
84179 45011 67231 19163 60525 88672 25193 57127 40656 88430
57272 72955 41769 27988 45645 70757 25609 97012 18304 63815
00154 57441 00000

12184/10169/8079 kHz, 04-02, 1015/1025/1035 UTC. Two messages

76677 69188 47211 42816 14050 90006 62381 80619 45528 23271
25950 74048 37380 39949 65874 03493 69558 04823 06130 64198
70120 92322 64654 49728 01300 60672 42790 92955 33188 64013
04681 56747 65942 07210 70029 91556 86469 73014 68688 02090
70520 76285 30497 90242 66129 24945 08804 66498 19342 92357
61135 46968 28161 30828 35410 78258 35661 80892 35173 57367
98191 56109 62265 38780 89618 08013 60367 45962 27540 00937
07871 29436 32412 51392 33492 38623 55519 11676 53086 99646
36733 02409 51085 16279 77990 23690 55001 36217 43439 99542
76439 58091 00000

91142 27745 15857 63871 76007 95969 11918 96104 83059 91794
49640 56532 38297 03695 38765 05638 78097 58349 11681 75366
87169 79176 59873 70100 97154 48100 86484 48188 88066 81464
29664 57495 59739 56060 36423 23376 65494 46174 91650 12542
25189 57620 32004 21237 59859 69671 99339 61167 15125 20852
13393 41626 65552 99499 68374 71244 17166 25065 83188 27812
50287 31060 59941 69593 69892 85609 30447 86595 55683 10539
95408 15213 29049 84931 85953 64677 79105 44093 02233 28780
15014 09877 08747 81271 36747 13275 91103 78391 41505 95248
03891 16976 07965 96710 64342 21552 25543 59097 00000

12184/10169/8079 kHz, 05-02, 1015/1025/1035 UTC

33848 64022 41760 69762 56392 97734 46044 23615 56851 01246
95737 63138 61611 20028 60943 27599 85720 97951 79163 70197
98680 74990 87540 38050 18074 24076 50904 31160 98195 63057
65306 38844 05909 02689 41728 77024 00887 16600 99658 74849
62434 44167 25210 84058 30087 62236 73488 09545 50157 86630
19876 84542 45436 89382 89932 38884 50217 42620 22602 33759
77846 25059 46396 61416 12976 52023 73265 33240 45711 14944
39826 04651 89848 41260 50640 10253 52367 10679 03235 07676
46395 88707 99546 53547 64804 63423 73475 60025 56650 96384
89248 05346 73625 23659 90262 96796 78716 67874 03106 09586
34261 47246 26446 50015 11590 92512 59465 16413 89427 07725
49536 56256 33259 35810 63818 42921 72837 14873 14476 20505
20028 36138 92190 90145 94163 39509 87664 36283 47113 07652
05798 16306 05245 44549 02232 62008 70470 49475 96938 66299
47554 22308 44558 53613 89887 61129 66146 57438 80901 38055
72052 53416 93315 64212 30586 21447 93402 79823 62175 35234
82460 30326 63703 02704 92683 14458 92706 05752 79610 15261
66123 12730 78345 49923 53277 62137 15731 99418 67797 40933
95672 03858 88136 05914 99792 34502 61404 21602 70598 78380
70177 13071 69365 96433 66995 57146 25910 41141 06210 60433
22447 44544 27895 97587 78713 12630 73486 08282 30552 86994
37851 76304 19142 59728 87471 39217 33050 52463 99427 02024
70319 95516 00868 53276 12748 68071 13659 07062 29571 85327
33890 19303 52726 43563 00944 51817 90881 59047 35787 82561
74428 61734 53199 85512 48609 29678 77613 28607 56992 75115
17252 63188 82445 18137 76257 03399 37839 08899 09493 18943
23625 84309 49711 89672 94508 70118 61771 95425 02388 64359
03595 39554 07746 63079 98546 29580 76691 14282 48930 63425
05834 11040 45285 94633 42169 59703 51166 75045 90183 84137
68107 98343 23342 51942 10446 92916 42167 33572 44690 37484

46081 30312 73138 97898 11207 32033 66410 08593 91315 90673
74605 47079 84105 20380 71746 74962 29997 60243 13229 43889
35639 60572 10928 89879 39307 78643 55683 64472 60387 94850
41828 76122 00123 85212 73457 40299 85823 11162 57120 61698
75720 12554 10630 97035 66647 14843 42670 71836 71745 86346
82892 49663 60373 06552 67187 77231 77415 31393 07822 53838
84165 66440 03124 98538 87985 83931 66405 13520 52922 44593
78817 67107 08459 10184 95811 44827 98613 57+98 61900 41982
38545 31165 13417 96162 70870 91983 73936 83140 38875 53734
72075 24578 18812 12393 36328 80987 78458 07903 46648 28389
54140 78018 47458 42092 63395 90386 51768 36046 95471 63776
91094 31189 46840 14412 90872 51248 93922 88340 76035 69411
20208 65770 36469 54314 39949 48321 07005 88789 85638 65121
41663 59796 51429 60433 00000

12184/10169/8079 kHz, 06-02, 1015/1025/1035 UTC. Two messages

00465 05184 21981 63104 35110 55515 26655 88969 63908 31947
46291 51011 75769 11124 99643 95625 40725 08517 65594 99905
32704 11027 39955 24427 37165 33914 13854 73927 98285 75484
40892 01846 85385 67954 85263 19643 83276 47959 68004 96838
36228 95116 53591 62724 00229 12104 44048 45654 83241 44664
72763 10886 78129 65005 15202 82887 17952 67005 58697 63055
08301 46677 98520 78782 16390 66318 52392 24807 21551 25799
10653 82789 56862 89410 64259 30044 96566 41714 77799 73370
68978 61081 00000

77808 96970 98534 95414 51488 47198 12241 43878 28919 87159
62328 76855 62268 75035 01385 40756 75947 69670 82606 71366
72879 80674 04009 83632 27193 50634 13274 64678 93026 17908
15439 80970 84144 33407 50598 35592 04026 29839 33814 36549
31138 66809 74423 62039 89077 00254 16923 33648 56249 49617
70629 33379 94795 61231 20290 25475 03444 91309 34843 68960
23973 57019 16510 31845 55975 29054 57401 42923 59610 64144
95836 42110 51034 00954 89557 15251 20189 67782 48017 24339
25648 75535 90947 69081 46193 94374 25378 40749 93824 37499
58297 54253 17881 00497 87158 62095 00000

12184/10169/8079 kHz, 07-02, 1015/1025/1035 UTC

Null message: 5761 00000

12184/10169/8079 kHz, 10-02, 1015/1025/1035 UTC

40717 52138 24691 38731 60571 29145 99879 72794 58106 36030
45872 38222 50752 67721 51244 22595 74926 73870 77014 69851
19531 20048 31396 97782 32192 12722 63389 09773 96694 80174
36169 05459 05053 26580 66188 20009 72632 01408 38943 46699
69790 51338 37335 22477 68449 46902 43572 81204 27055 00996
00535 04261 62341 21493 43564 23199 81361 65118 38582 54135
72202 84780 87512 68575 76831 87551 86913 30339 94502 45470
50775 53298 89181 26379 33414 59597 99395 36954 13402 43050
73972 95137 24469 67399 82092 74150 44316 54129 71094 85272
77272 39515 70474 91585 91744 05599 65512 69853 98379 14776
88963 62737 87986 02687 04258 88531 08511 09092 78637 00610
11894 51429 69672 13754 73609 70728 73597 39580 78951 04577
08898 98221 42142 66829 33588 98477 75803 38736 19619 03602
88657 01190 32857 24924 22387 62771 92056 10490 63589 63281
05283 20913 91770 57452 07208 09617 49310 08522 45731 49655
44333 46354 91341 74314 22437 69803 67682 23657 68193 98001
26738 14224 22386 00262 17090 74059 25892 59273 18679 10258
26177 47301 42502 01222 07317 20044 18697 30808 29490 57869
21431 06562 88887 09089 04059 29212 33965 14980 42961 05637
98981 21228 13516 22460 40762 05484 46630 22485 89616 75725

39289 51154 50363 19097 17532 65204 14379 05939 75316 20725
68628 78669 37694 82795 12601 80219 21743 23890 19097 01711
93690 03243 99795 54054 45663 44360 61547 93164 40508 52854
64331 53472 98111 41809 16800 69429 21667 56843 70366 89686
87309 18076 97766 13634 45585 21168 67024 04997 08153 64633
46766 62162 18196 95613 03826 49937 27954 91291 79066 22421
31817 18135 52367 91671 28437 36165 32700 21869 10266 40433
34252 53646 03981 56881 24512 88289 10227 34800 55270 86485
16107 03042 12468 61311 78869 82199 45826 70142 04222 69929
64205 35184 67713 41603 07618 47294 52616 33479 31842 32801
02751 00581 66571 87992 13697 66475 33031 10972 10807 07129
32015 85562 87487 36026 38260 96949 02162 82763 62112 83750
57367 82265 64411 56198 09416 16853 35540 35122 82060 78316
74565 91421 82605 42205 29420 90710 43886 71503 84052 72832
40575 91899 03495 20916 53240 05813 72763 99679 78589 37381
90562 67653 09349 25601 03697 93019 32203 07787 93152 27752
17249 60560 47770 19740 97375 90538 86457 67599 61040 91924
14871 47832 06844 13175 27511 69048 33373 99935 91161 32917
62730 06441 70618 06556 21189 92550 82636 36017 25420 48621
89037 55589 47718 15401 64922 72578 58671 91124 02908 32269
70714 43009 39340 92747 30986 65326 13426 64272 36954 51246
95199 92890 73223 70644 43283 92974 92975 71041 78364 58371
92472 43885 83339 06856 52069 23346 66049 37571 42163 09823
45553 63431 00000

12184/10169/8079 kHz, 11-02, 1015/1025/1035 UTC. Two messages

76827 06010 02812 58985 14166 54127 61769 01770 48819 34876
21958 80144 03937 07037 67488 40717 17797 63254 42816 86893
88070 70073 46655 17204 07185 63538 03728 52784 43499 73791
81526 89961 47958 77123 44289 38870 90932 98894 61367 34040
58913 15774 12179 27896 65761 30733 54921 03107 58195 19235
51253 64717 20204 70043 64114 98003 06071 69107 70875 02989
56703 99942 59017 41552 78947 58959 96502 58086 92577 09167
94058 59607 74651 20695 01526 66293 55916 71567 05487 68359
48950 07172 20349 50225 12732 81850 90074 67895 83324 31068
42733 90512 25356 64093 00000

00536 14943 58801 92435 33292 31020 61901 27658 38781 59158
75102 01419 72438 82076 14706 83774 02293 03663 93881 84197
68848 67135 07204 43027 86077 78762 43031 62075 38221 10596
90888 10340 52067 80637 36072 65738 49413 33886 58639 78828
09390 72709 78985 69430 95334 09954 17187 92101 25900 43262
58302 31391 95096 74008 40820 12820 70942 19306 10437 40524
27413 90513 06351 97493 89384 36692 72272 69338 95246 76428
09319 77543 06884 66486 12999 33118 21706 80702 61460 46604
66415 97581 47200 55360 77198 20014 69413 54077 96040 75566
29183 39448 37825 70766 94679 65095 00000

12184/10169/8079 kHz, 12-02, 1015/1025/1035 UTC

01866 93788 12630 27609 54527 15077 01840 51856 88530 57819
23624 23289 69100 31909 21263 02429 94428 81203 53580 56028
36435 31109 51580 33993 94136 99138 90014 21012 20542 73159
97348 80080 09020 86990 52525 30107 50085 48064 41992 24788
94525 96814 75416 24944 83814 02499 83534 81493 33748 25130
46560 71260 82242 98208 26602 52811 37228 11946 02520 34480
85577 01658 30659 71808 49008 71030 79909 36551 97897 04926
14504 24462 58938 51436 23020 94032 77587 77856 17006 53373
21230 30274 47677 37432 34011 51457 14106 42725 79259 36736
61365 11786 30447 32550 92048 84495 96625 07370 39594 58502
93266 49663 76883 25915 94453 72599 58511 78442 27360 30185
20201 98184 94946 74503 83773 76257 37821 08763 41128 26429

71194 15831 15663 85974 57873 66945 24570 20913 03226 40284
90453 77834 83053 04090 75699 49496 40315 44034 38031 46374
11636 39503 30704 91353 69534 18499 95755 79766 91316 45843
23772 71928 90559 24365 78581 10402 72140 13769 10341 79143
96726 96860 05426 46730 65684 47833 46586 60867 62332 82280
81782 86340 10481 93639 25163 03621 36192 05757 38592 10299
43704 96233 67199 92539 41446 70285 27357 58738 79095 89754
70540 52584 81607 86999 71509 87689 91146 18332 14237 71001
52875 36690 74030 07167 05524 88237 19289 01038 62682 62580
81313 00511 95753 51279 65638 46893 54503 94351 03285 24966
86148 19452 65410 29943 38911 03413 89767 93520 60990 10838
92409 36186 30877 89429 63102 37993 79954 26750 67854 44968
93326 98089 07013 53367 99795 60135 02375 38934 86947 70134
11723 23378 02272 35222 94255 95240 26243 21626 75323 27346
28329 78413 83923 58021 41833 55476 61388 28268 18528 20445
64694 92091 49012 04216 12847 42147 59724 29775 49762 17915
22556 04018 22094 88581 37999 77237 95441 27811 77770 99975
57364 22603 97837 31937 80661 83416 57801 82621 45341 47756
07559 88402 42708 94396 27188 55702 10033 10442 30997 24979
69212 78405 71665 35200 67882 75497 05428 93483 46398 02301
04223 79612 79139 83036 25754 40096 63569 04597 77403 51468
55475 86532 34926 57513 73855 99184 01865 10105 23851 72154
20632 68344 11203 60285 71180 35690 46633 59356 18219 39760
63616 88666 92892 84498 97961 82707 19878 29393 02652 59099
25822 75431 96369 54985 90070 62482 69158 49072 23617 07792
93645 11503 87210 40277 15271 48748 84563 10309 19955 35703
91592 79677 02651 52181 07636 21409 85205 65989 39573 84141
56981 29773 54802 00740 36663 83814 63995 45828 78704 81984
19581 71946 72822 83014 40878 78997 10019 74298 01843 96691
13521 66411 00000

12184/10169/8079 kHz, 13-02, 1015/1025/1035 UTC. Two messages

42111 65400 91999 27927 08076 65725 35088 95516 30900 24820
58470 67121 38065 84763 70862 52891 88205 53151 57377 89106
91312 97883 22242 95521 14199 68233 62870 89443 69651 34364
36208 61243 12716 62495 03308 40971 92545 67900 63067 10778
33255 12919 11056 42827 42212 42187 84384 67375 69216 72247
78545 00724 64984 77757 47160 87715 12396 41449 20579 38470
28929 60066 04260 64053 63724 23427 42879 40746 37715 08831
61093 57623 00264 57979 16902 27123 00734 28609 28547 63281
98446 67081 00000

94404 43881 72421 09891 41031 90438 04659 29965 43934 58145
11788 21767 49658 49915 34325 92646 93748 12490 26078 87100
51013 56506 98202 25832 24553 70398 32508 90998 65756 89101
68676 81087 42424 03465 95103 83859 97244 21327 98041 40796
63771 16199 48721 01489 32120 24467 33159 91401 81549 77081
54322 41463 22139 76649 61346 52897 12717 55871 85493 95753
47264 78273 87531 64568 26949 67154 46228 39585 60000 73691
42649 26988 56598 68073 00000

12184/10169/8079 kHz, 14-02, 1015/1025/1035 UTC

Null message: 5761 00000

12184/10169/8079 kHz, 17-02, 1015/1025/1035 UTC

30794 72739 86702 83379 54513 41134 15055 44051 87476 29270
48800 60425 19197 95235 05989 35809 06523 99819 48260 41861
00006 32072 77374 44973 94567 56435 39649 72208 77943 48656
74238 96476 75295 12648 66213 45630 13466 95497 90343 65183
53301 42811 56558 89323 63467 61566 92991 99914 34216 82686
27574 78176 54526 40499 54083 78722 01066 11279 93618 80658

12399 78063 87416 95408 46894 13922 81948 35975 47757 00869
92248 77305 63628 26614 54394 62464 98185 26325 03093 34293
87193 61605 35293 97242 26421 53857 45780 39075 98884 14235
45670 67108 74843 37363 99759 38703 82980 51012 43662 90682
76221 38923 66655 97348 40611 78956 71203 11817 20703 63767
45068 70327 59877 96183 06954 64235 79054 76480 11634 09370
42212 23738 25476 67434 82160 98464 08327 99150 85007 18683
62668 53831 56757 86651 36013 25058 20471 68432 87441 27165
17431 93461 54256 72214 10751 66340 79651 52139 14858 08015
87373 55756 99298 68536 14277 75326 40295 78595 36737 82354
18490 32009 51847 77314 86325 16357 99332 42987 53486 33943
35129 56102 63848 80286 92560 36963 62360 72308 92047 41752
75321 43419 85292 27196 52455 47689 44871 42286 44253 40289
35176 26730 13005 26379 25640 20835 00948 95651 32189 16507
04002 84706 97845 04037 24491 34437 48444 94395 01316 34630
84362 21685 40999 72962 94244 55465 98055 30570 01622 77626
78106 91396 80386 03504 62192 57493 00049 51911 75710 87464
86716 93796 50422 00251 10737 34190 52962 11417 36934 07147
78287 94164 98381 88362 31509 82230 79647 55150 46538 56863
20455 48475 14987 85078 75678 16719 23756 01365 92639 45873
24762 50036 91615 05852 85217 30417 60509 67593 91924 12044
99620 70663 08010 12081 77451 46018 05530 52118 83482 23652
22402 36566 88857 79770 17088 19809 50922 03226 19461 54319
22542 85861 01312 36917 52146 66477 14916 95358 85430 83093
73104 82449 04655 13203 69278 69859 66483 06703 60802 58833
24291 41181 64209 49989 45880 54263 35668 39375 62550 32692
35134 32996 10446 62831 97633 96973 50133 72292 60112 85543
75332 17346 17290 14077 46751 95839 04954 69296 11948 90275
34131 73899 97177 70764 24584 47755 82135 12519 11047 32877
93558 07595 20666 74344 78605 75550 45062 74381 43962 02728
55462 61749 71610 64822 34333 43680 47186 12456 21956 32498
61880 24411 01384 64147 73810 58238 70213 50798 39800 52912
72606 34724 53505 63224 90009 35629 50835 30598 13996 08631
68582 20027 49684 55068 67220 77805 23146 53327 53800 89749
91268 01883 65878 44593 77489 91723 02420 32253 81847 50367
12610 31634 38792 24642 78511 67683 21179 69417 00000

12184/10169/8079 kHz, 18-02, 1015/1025/1035 UTC. Two messages

33028 44527 34322 42854 98656 45160 49042 19851 28665 60465
52564 75863 17809 37049 17055 42392 51988 21380 34689 54509
52528 24940 62176 67228 26807 21125 23982 65345 86171 78555
97667 83907 17073 60516 29803 81529 16363 45186 55886 33718
26687 46360 22697 38408 32917 39344 36533 50897 05551 21720
85764 90352 02024 63654 11140 85095 61873 27447 22280 48842
56676 61009 83810 05085 80724 94949 19553 01807 93348 97963
08220 83719 48843 70214 69054 14206 74928 79383 60848 64150
85685 69087 42775 09867 39896 70085 00000

02772 00391 91595 80186 96066 15503 14950 58865 13741 99015
76858 33396 27632 56175 08899 63394 19471 88978 62733 90546
89572 33351 64744 55532 60150 69469 36389 43543 21692 47410
91216 13114 95849 95326 44475 87935 13261 02326 96269 16347
29759 93244 74174 28189 29387 37503 46266 43712 87680 59234
40506 14213 93630 40864 31400 99111 53777 37338 79885 09129
26874 43183 37379 70268 62553 79584 49921 88294 42435 93672
23355 18372 47109 87203 35478 69581 97439 71077 00000

12184/10169/8079 kHz, 19-02, 1015/1025/1035 UTC

30382 24499 14627 93745 10684 21731 32024 00123 55441 89475
88493 60928 00480 63382 19862 18255 46082 68965 49187 39815
67899 44893 46938 38565 08807 71057 15089 11955 68921 87366
24836 49246 35936 14200 62614 80335 22983 10452 64095 64519
06201 30127 40870 42631 79191 63391 29487 01007 66572 73042
17546 20690 63783 62327 26531 10344 95355 35044 56065 46279
08835 33861 19280 68053 46518 67806 23985 03076 62226 64849
79330 18653 75277 10513 32639 24911 78850 58466 66106 77032
44941 24028 08046 50258 93074 96506 38378 86063 14988 31336
93044 32980 72447 07935 97034 30471 10406 64215 80707 09318
52668 43698 59111 06947 72279 16166 78974 21133 53790 57776
63058 50521 89621 01598 06562 95401 77684 94486 05268 17177
12465 21251 20107 79955 86750 82038 07846 22717 46191 33881
72565 35474 63878 32340 17636 37883 27125 34186 02861 83727
53656 47051 36492 39721 79363 36989 56785 12066 84837 29889
82804 19198 52863 67665 39143 34166 74044 05182 84268 45073
42779 58823 97153 07023 10735 42674 01913 84008 90047 53231
35098 04185 23408 88582 85370 76943 63225 13003 60216 45257
27071 02897 59402 71705 21571 35022 59858 81635 51945 02940
41671 11882 59383 72623 09881 38500 53431 13167 91764 81933
31591 63524 14296 13061 03315 21225 91468 08565 60580 64001
76169 29046 62232 40255 56291 18340 24288 89322 99769 47447
33380 77447 78235 51549 25535 60426 23966 33509 97473 08844
99824 32327 42611 56849 86877 79971 28961 60397 19373 95020
61113 75909 21771 86565 93484 95273 27510 66802 87028 98133
84206 95750 26587 07404 74955 06543 41074 58937 10443 84711
93678 21295 71541 99924 34279 26554 07080 13596 31243 98079
16485 10810 24822 86216 71959 30009 69301 47821 59913 88858
56118 30584 46311 29756 35121 48071 95636 33394 76155 56426
98156 73835 38178 68672 85172 13522 38075 67547 36951 61675
36369 02813 13015 44496 82016 83970 59486 60634 83469 04332
73165 20337 98195 57364 27038 91736 57844 31272 86897 02697
71243 92724 73763 71667 72414 95689 51789 65978 05795 76302
46351 11015 65860 19703 21990 98703 33319 09787 74916 68761
75087 97800 19744 61127 00210 50728 75154 63027 88935 65393
78170 99105 37119 59226 81735 38060 83142 73624 15278 14216
09545 50854 12953 87480 36549 70417 39245 90118 49665 55838
66625 33773 28567 87785 84941 75181 69425 84491 47239 64025
17885 35384 81697 21339 54873 98887 24354 21926 02431 00316
52334 79216 41745 90798 22244 56002 60583 53186 43433 49491
72302 65864 40802 24113 73633 60408 86858 90515 33418 34032
07686 54193 29493 02755 92535 82178 75908 06229 61715 61242
07659 00166 72467 72423 00000

12184/10169/8079 kHz, 20-02, 1015/1025/1035 UTC. Two messages

57966 16654 31023 76199 37128 83927 88283 84845 81435 57612
51332 42655 30483 38681 15052 49116 82077 93007 67962 17600
31958 18693 72606 96057 71028 00986 83932 77657 32297 15755
10344 24806 04719 67410 47118 54977 56109 72254 36874 61802
32335 23170 36774 69848 24959 96597 97161 46526 24528 87734
81302 19567 01700 84893 80931 73497 83377 18960 07286 23558
16064 48883 62313 90508 33600 69141 19750 24735 71493 50116
70739 53125 95010 47316 13697 47124 33230 40384 93096 35424
36235 87824 16872 09725 97647 08398 07120 96986 09670 25107
63789 96634 42843 32720 46046 06140 67693 74764 01005 83409
60465 40939 94507 19448 60124 20861 23642 19685 68809 75107
15686 17458 12938 09477 43162 68041 07144 63412 09703 96690
88223 73121 00000

17694 36849 79661 82050 26395 88819 23156 24266 93893 72013
85490 57129 10947 54833 56805 46945 62071 99887 25212 84637
28718 23576 93486 62964 44093 13980 87264 11257 35588 86740
53183 79859 15738 83609 70395 91466 07655 43372 23905 01540
15874 99807 13153 34999 78541 86397 94298 91364 61893 52461
79627 35552 82952 20394 42522 16487 71389 38716 01446 80751
06478 10611 81357 73433 90087 02625 76013 43362 41647 63249
59579 94943 26022 06042 21003 74075 00000

12184/10169/8079 kHz, 21-02, 1015/1025/1035 UTC

Null message: 5761 00000

12184/10169/8079 kHz, 24-02, 1015/1025/1035 UTC

37863 77522 35553 66106 54498 67654 79885 50577 63044 02200
15898 68033 42297 83221 69295 99040 30213 51157 70574 12553
28957 78815 68707 53112 34654 88892 62508 16431 09042 80974
79365 61785 35203 78934 56019 34669 24562 34698 01080 98132
67342 49270 43974 96252 43676 97006 99998 98171 37530 64026
06184 96137 20663 36740 07635 55984 98787 01398 99054 43496
37123 40618 51134 75081 07536 37828 76482 66207 24444 25541
14805 76020 61682 38437 42003 71599 67510 57146 32886 60273
19955 53705 32190 63443 89667 74610 13575 30345 02492 22399
31305 15193 18927 21709 94294 66136 72670 80750 17195 99477
35431 84117 28227 57568 00200 77890 38439 73846 00164 32964
02077 93438 05455 97525 22750 22759 64912 74640 85098 06553
85060 85868 16620 55824 63474 06852 09373 75076 18729 85816
56220 62300 84122 80920 81324 80165 57346 77384 69550 21830
23314 70347 24500 19825 92307 24381 09835 71435 20653 45607
53591 79028 06101 27341 20173 28759 75098 55212 79703 56087
04148 82700 29435 71558 42429 13011 46886 45266 27886 48234
79415 73447 13950 91743 99901 75648 49104 14729 83226 95885
76457 22850 83248 06257 45533 83913 14949 36424 53447 02522
71439 77419 57674 52641 30528 33196 27576 04007 30517 18384
26893 03320 19927 25659 44375 96164 10837 11191 14750 00587
90520 71587 97206 68270 71081 10785 03588 94245 81746 20313
93476 61072 33541 21384 78367 28438 11001 42221 02100 04093
70632 29098 89756 57080 50789 14489 82203 59184 22674 90795
98459 65538 37126 63077 93091 70333 46910 79219 00810 98559
09178 60979 85459 19720 97783 84354 35601 94453 80167 82702
73849 90014 38458 71047 72176 25520 39520 15021 90361 32938
83594 92868 79763 44725 86260 23959 19620 44065 73369 62233
78056 38641 93664 78039 14979 43880 78755 76770 69059 86614
05154 27774 95985 65079 38038 01935 50167 26204 61447 41403
27091 46125 24592 09877 08501 24856 58958 96892 77608 31056
45907 74560 96496 57836 39443 30172 62930 75535 73855 23130
88740 92407 10900 39628 66983 59158 06223 43526 20054 78262
99714 46847 45942 04008 59473 48352 04828 44199 34065 13608
13188 99456 92780 94997 37613 01055 58562 15121 05523 33226
63297 61995 74954 50883 80155 69524 30630 28684 12678 81647
98473 02384 45276 23626 95780 88407 84855 28888 59209 92585
48237 94890 17801 43982 75062 66402 03200 14769 70883 69687
14277 12058 10104 45991 78323 52654 53487 57781 76022 56653
59883 66190 22379 20824 96898 03074 20784 57713 80171 86140
32424 11410 95945 50592 28202 85909 86637 95696 15364 47013
04078 69740 56026 83697 60114 41803 19783 39895 29269 33782
37575 52623 83127 11108 49031 57397 61162 55588 60441 46871
07665 68826 55564 75433 00000

12184/10169/8079 kHz, 25-02, 1015/1025/1035 UTC. Two messages

29599 51843 70241 79278 40577 07058 61497 79333 99105 87736
88960 56437 80703 61980 20649 63237 86486 99700 02783 89120
29760 74328 12055 40276 30124 02108 95880 59715 07297 79938
05327 10661 91819 07679 50405 71757 94857 05866 32413 17531
04256 64782 33014 82547 99064 85809 64745 32691 99704 00996
12639 92019 95957 81796 21637 98609 19991 72903 09510 87858
56574 12110 09933 26654 07703 22155 75435 46866 53792 85468
94904 51589 78652 37771 05317 92578 50411 41456 02404 42315
75586 24695 79926 09135 68489 97202 52256 68862 03146 78599
39933 11391 39930 00312 22913 25633 44081 66940 91168 71291
38318 76101 00000

36633 94483 57491 44239 76290 51966 51707 03550 84994 11238
01719 96381 35583 59120 29790 49848 17603 88243 98558 49580
96385 86178 25438 55465 10501 16455 56483 14750 56030 33677
10676 27200 31092 99890 30551 41991 39055 94421 00111 91026
73888 34350 15964 88371 36069 47819 22618 50486 52499 67369
47874 16945 98866 35466 99260 76338 47874 39438 07433 27029
91798 17983 27481 27462 12794 06455 34098 15721 99388 13100
71519 02997 32615 43442 44191 70680 90198 14996 59101 25748
42260 29505 55699 94144 36947 94881 84363 56832 99459 14044
19330 77091 00000

12184/10169/8079 kHz, 26-02, 1015/1025/1035 UTC

34804 00912 09579 14860 32566 10455 35850 13503 34770 29204
82217 78275 72440 32186 98306 04745 35592 05385 68594 63124
89430 20510 55031 55131 77376 43858 10071 22887 84340 46436
96046 89567 58685 07546 71839 36466 16330 29007 32764 46178
75400 02223 14611 66583 94905 95252 97794 75319 15840 52102
72534 49427 28167 21403 51003 69862 12129 56672 37388 15556
27293 55349 91807 26713 47812 28780 48999 42040 67288 20356
77741 39582 21726 13973 91928 35863 03974 00021 49250 23014
68113 91075 98399 48572 47229 04486 60754 67656 32989 54036
57477 22175 90485 17896 17948 26787 06760 75004 30499 66284
96466 27116 21356 34084 13091 48670 72753 66523 39182 31684
16137 52649 54021 17850 61409 24171 02170 35029 48142 55286
11334 80323 29699 27057 32986 16927 26213 36018 04171 76917
07342 51717 53949 87213 90744 52864 02900 60843 67228 96784
29133 20747 88482 01862 99234 48281 78350 47645 87605 73616
53581 22341 32600 50218 64979 72330 02927 80601 94910 33447
72745 85533 72093 48667 28884 33890 89605 01917 58622 75334
37061 22680 91488 43028 82874 41096 93488 18539 67570 98232
37217 76143 94053 41219 96285 48719 25806 57933 37503 82396
28911 30928 09251 72179 18882 15278 49481 95695 98199 70048
61787 87296 95519 98052 32975 19658 42466 73612 90577 85105
48977 62980 23744 93819 63101 67133 15954 31135 26229 41616
62973 41097 59648 73123 74513 28491 43399 17503 83014 96497
73352 28877 07990 62196 07436 34563 49382 17080 36972 35483
08361 24775 44043 36749 58992 73166 30830 38109 19229 23088
31862 38945 94655 20803 45116 37515 93424 66420 42899 29110
35819 55471 48448 32834 06884 35813 89203 01679 25560 47047
62668 95591 28761 34655 75804 22213 93827 56015 43905 74982
47797 20515 59879 23295 36932 30925 69875 34390 54935 18230
16196 31677 53292 87106 33436 19163 82189 14237 08781 26685
35423 66629 42394 55635 97761 32164 68856 29858 18180 79513
25559 81405 57409 89662 79019 25855 83249 26188 45044 06854
12062 36496 63668 14599 19896 01207 14828 07920 71686 73872
85684 94674 41946 78207 25552 50123 25408 55034 49360 77981
61039 76119 75582 43839 17877 67090 09583 35627 16114 06628
08307 30821 81880 94106 87258 75077 59151 02887 55697 01974

27218 61436 90996 48557 97168 29473 88106 46377 85810 61310
45037 92694 90462 73603 70331 31559 13074 59672 23431 99424
07095 17595 23909 15020 45533 84262 90469 18131 33645 92571
95679 87005 14690 93956 47362 89051 42192 13431 32584 44530
17139 29349 85172 07922 13564 95049 62722 96651 40938 44591
43991 21874 16826 49749 82658 00991 48222 78417 00000

12184/10169/8079 kHz, 27-02, 1015/1025/1035 UTC. Two messages

27477 77633 78015 46403 38137 57813 46414 91418 05954 48785
51624 23807 72526 69549 18699 94100 91860 71860 89980 06862
26001 37097 03198 79903 84884 94320 75513 33298 15135 82968
10724 94103 67458 08605 71784 27763 97350 65183 85859 32081
78784 22247 74076 54756 35574 00507 23172 20372 20107 84240
41227 77805 94123 43940 64667 03979 91234 67657 08719 24899
65867 24469 78509 39920 58318 08517 83007 60163 30616 37049
18973 97036 52868 00900 17116 61792 44776 90852 67658 62048
02032 48317 67466 79083 00000

41720 90472 27490 31037 26925 51451 96113 37635 01429 52150
43537 09522 10391 23029 20370 66318 59807 08498 95804 64716
61719 86711 25342 80817 64679 15634 49849 49216 67900 97558
86918 63502 42540 79269 00435 67888 08554 30045 59313 94623
40543 64667 21333 26905 01053 03649 02999 91962 24744 87851
21383 14008 01886 89683 18879 81730 34596 88071 06792 10038
64278 99386 88725 00715 93685 81512 49689 31704 52054 53254
21857 29680 76732 96253 62936 05613 09760 31627 08064 58013
32823 88481 81176 73533 89025 06527 76792 79625 64911 39950
48141 28930 31186 80093 00000

12184/10169/8079 kHz, 28-02, 1015/1025/1035 UTC, using a F06 null message end

5762 00000 00000 00000 00000 00000

F06 – FSK 200/1000

Link 00052

20868/18691/16253 kHz, 12-02/13-02, 0900/0910/0920 UTC

11166 00052 56418 12054 02649
29082 93993 54792 46628 03363 91443 62000 31202 36120 87178
81103 85394 59609 16588 66459 43081 99361 55826 84465 39352
97754 62167 34062 06770 81926 67965 35296 11958 91909 82920
59398 99712 69925 84330 98794 36823 48223 00023 00495 72775
21390 13638 11308 59553 14063 46983 08300 97699 80002 99104
12950 00836 93440 46797 12433 95823 18653 36225 36468 00769
68695 20341 63173 48033 89236 21795 52358 44456 28423 26021
29702 85978 78718 34182 70236 68836 01656 30672 54595 64534
71430 44851 96449 50771 98287 11708 64567 15511 17627 61137
47949 76382 55763 90516 37460 82610 08294 00271 22406 91635
91997 97112 25488 37646 56200 94647 24575 34179 64562 66030
34728 77997 83201 28355 48916 46424 36113 63477 60863 05321
13798 04945 18459 69890 46068 45730 81174 85513 74935 46454
79921 20781 88542 48783 02784 89924 02064 23685 55075 46827
96520 09248 67143 17811 51439 17721 48366 65369 32293 16499
10781 00056 18678 12703 10777 82695 84131 96076 82292 84122
63564 19856 59949 94623 69218 24331 15579 00271 41103 32757
56547 68342 42832 74324 59347 09013 38824 13864 36876 05495
13771 92976 62843 29831 20339 12283 01748 86513 66032 09463
17851 51130 75143 12797 61601 96207 86747 74867 56929 21456
74671 16139 37867 30597 00360 33076 07911 21953 34604 50511
20586 85001 09048 22928 04636 20073 83418 14363 82275 23375

39416 11611 53952 04542 37200 50411 48046 28890 95414 59316
58951 01566 80687 50917 21971 35776 17527 15129 98465 72291
54585 94204 69699 42403 48191 44181 62806 91522 49116 12439
57329 05621 03489 86052 45759 07676 03824 90646 46519 16341
51067 44411 54262 00000

20868/18691/16253 kHz, 26-02/27-02, 0900/0910/0920 UTC

11166 00052 85236 26055 01269
08428 04093 61933 64542 48865 72955 61395 46498 36120 20396
11268 13385 19355 33940 94748 84112 12157 56560 14865 89602
13275 76100 10329 95856 89897 89409 44939 94693 40263 58358
56450 91859 52932 99950 75857 47177 26317 77700 53018 46444
46891 86457 49573 09746 49542 47894 85077 65894 08476 58806
47301 47659 32141 59447 02622 87485 60576 14061 67453 18397
88656 20815 26648 09751 63637 93310 09811 92553 30465 80867
61457 54008 23274 19757 65960 05991 26515 32594 13216 57136
54143 18045 15972 43231 20323 98068 14753 95590 00058 14855
31325 52110 03215 94660 56621 40684 10353 20733 84093 89672
43816 82492 24397 45108 72506 93181 62371 99324 73796 93153
42238 60705 01003 80993 91956 19226 29861 39660 22687 87491
82451 49835 64276 21944 55124 00000

Link 10053

13464/11548/9323 kHz, 02-02, 1530/1540/1550 UTC

11166 10053 31568 02001 00049 00000 00000 00000 00000

13464/11548/9323 kHz, 09-02, 1530/1540/1550 UTC

11166 10053 78523 09001 00049 00000 00000 00000 00000

13464/11548/9323 kHz, 16-02, 1530/1540/1550 UTC

11166 10053 17935 16177 00049 00000 00000 00000 00000

13464/11548/9323 kHz, 23-02, 1530/1540/1550 UTC

11166 10053 13579 23067 00049 00000 00000 00000 00000

13374/11165/9219 kHz, 04-02, 1650/1700/1710 UTC

11166 10053 17935 04163 00049 00000 00000 00000 00000

13374/11165/9219 kHz, 11-02, 1650/1700/1710 UTC

11166 10053 45632 11001 00049 00000 00000 00000 00000

13374/11165/9219 kHz, 25-02, 1650/1700/1710 UTC

11166 10053 78963 25001 00049 00000 00000 00000 00000

Link 40122

16071 kHz, 19-02, 0620 UTC

11166 40122 12674 19017 00049 00000 00000 00000 00000

18291/16071 kHz, 26-02/27-02, 0610/0620 UTC

11166 40122 62571 22075 03229
01793 12511 02612 13996 92058 96675 59398 36622 93090 13522
62886 54551 06167 01050 36157 23592 87364 99777 57468 88328
01071 14043 35491 02053 38435 98004 08083 64385 24198 83542
50537 06255 60337 92237 04236 76925 79966 98625 61651 12767
09931 36901 68639 92448 65524 68274 29951 08246 25775 51150
28898 08149 62741 81336 97129 88459 23239 94450 95432 41564
86453 47732 91509 88565 45872 23421 45664 51473 88955 20920
40340 44626 73021 29911 14439 90044 20739 01607 88360 86391
83699 60346 90712 86236 47488 22705 22602 61313 76698 16308
20478 60442 23322 15547 03439 89825 46959 36371 15947 70390
20283 57347 01898 51866 18190 59188 70973 88294 14085 99909
43211 04648 31731 67831 82741 09250 26101 79590 56620 31684
91672 15369 79691 90880 21605 08509 31431 23062 66223 31710
55696 24242 64268 47006 79320 86964 45326 11686 10498 35966
26898 57362 02888 92447 54525 84384 96380 21659 58429 38750
70461 43458 25084 63742 71106 10554 07172 43449 97154 84110
20353 80374 57089 61404 00294 74308 32166 35212 18384 94664

06828 89636 79574 63453 52340 62033 50801 91096 74586 25746
93388 32251 61966 73329 97915 53846 94320 04946 44949 32516
98837 51622 40095 23611 63861 88065 96804 68977 46555 14712
65376 35701 35342 13700 31577 02986 53078 08461 33338 39372
11877 81606 68953 37473 55535 30810 95214 98412 50494 67356
38931 83167 11275 87058 70263 72979 71315 68227 11309 06051
35170 76378 78382 82683 72980 80360 81426 56073 43176 09599
28981 50927 54334 07149 12163 77109 02133 58221 66088 30487
42349 98895 32170 98173 85818 34694 69731 10353 26312 23705
90374 05877 37257 03942 13543 03814 98247 69634 66710 98143
37271 26130 78634 17790 99601 78092 39118 19166 79286 30696
23710 03426 74170 08487 06785 75618 50389 21618 11437 87916
27278 34123 69634 34118 18625 13940 91058 87603 91208 69352
64074 99936 26561 01546 37266 02303 96887 27970 54982 76959
91085 56181 45312 90897 51804 12867 83951 08898 09464 57728
75320 00000

Link 60070

9407/7652/5743 kHz, 11-02, 0030/0040/0050 UTC

11166 60070 96321 11001 00049 00000 00000 00000

9407/7652/5743 kHz, 18-02, 0030/0040/0050 UTC

11166 60070 12589 18001 00049 00000 00000 00000 00000

9407/7652/5743 kHz, 25-02, 0030/0040/0050 UTC

11166 60070 17935 25349 00049 00000 00000 00000 00000

Link 70048

9945/8059/6816 kHz, 06-02, 0800/0810/0820 UTC

11166 70048 74123 06001 00049 00000 00000 00000 00000

9945/8059/6816 kHz, 13-02, 0800/0810/0820 UTC

11166 70048 14789 13001 00049 00000 00000 00000 00000

9945/8059/6816 kHz, 20-02, 0800/0810/0820 UTC

11166 70048 17935 20151 00049 00000 00000 00000 00000

Link 70059

6866/5326/4616 kHz, 03-02, 0500/0510/0520 UTC

11166 70059 73124 03001 00049 00000 00000 00000 00000

6866/5326/4616 kHz, 17-02, 0500/0510/0520 UTC

11166 70059 17935 17173 00049 00000 00000 00000 00000

Link 70202

13369/11048/9244 kHz, 03-02, 0700/0710/0720 UTC

13429/11164/9164 kHz, 03-02, 1200/1210/1220 UTC

11166 70202 85274 30094 02479

49862 10503 03712 64831 96019 56004 81643 90903 29833 49266
03598 52218 60831 59881 02267 10947 68399 02424 13791 39073
43887 65749 17962 88169 83205 94720 40633 70192 34599 47821
35527 35267 31281 79082 87617 57371 63621 17764 05294 63868
70567 44229 93469 69831 54998 85445 24844 03085 52685 78549
51490 30904 09561 75924 23966 24322 46964 90209 10134 20958
19578 02695 30869 72331 95713 83526 54852 86576 14656 97174
19639 02514 00745 91582 71173 55992 38880 94452 38956 24475

41145 65094 89040 60763 59221 75276 22051 51834 22304 17526
08402 63703 05181 64296 77919 58270 56183 26461 06039 93062
39686 84556 63777 39836 72842 91216 23658 82956 61245 68239
38779 83505 63209 46714 37222 20045 37341 23658 98971 41982
53108 33591 07544 96463 69079 58492 93512 14753 08529 24571
12113 69003 87090 59290 22122 35394 72151 07084 58186 24538
78674 27203 13803 65122 31123 22128 77125 51704 46201 69981
86796 92604 16074 59388 99979 18836 96760 50213 89793 40008
31399 08608 14322 58137 63055 89822 24396 75307 16776 67199
02337 56115 55557 30805 48831 30839 39940 04116 60154 50262
45897 52223 62904 28105 20710 79966 98440 31980 81521 43450
74221 08829 86256 23383 24225 55764 31585 33659 45637 72260
57629 63641 03995 54631 64099 77566 23976 18728 67531 19522
08026 61799 54337 97422 49990 99446 09339 44431 35971 38618
24475 81257 49566 72570 17376 27771 23696 08747 14491 37371
06193 65497 78441 52548 31362 98586 84318 05074 14668 43426
74577 09251 12767 83959 47241 94245 00000

13369/11048/9244 kHz, 04-02, 0700/0710/0720 UTC. Two messages

13429/11164/9164 kHz, 04-02, 1200/1210/1220 UTC. Two messages

11166 70202 85237 03095 02239
75871 79760 64890 14277 81596 53554 82247 55815 27020 89144
01689 56081 21667 19098 85726 01046 37454 88322 60541 04789
35685 32801 28378 65236 14453 60367 90199 71156 12401 13225
77023 52619 29753 16895 13398 92096 52583 45268 61432 38401
91231 56467 18843 90634 68825 79191 69433 44354 20833 54239
09457 17123 91593 60893 98289 95649 38751 82857 06869 71698
81539 93429 62308 58945 53856 64606 12158 07997 48050 29791
56712 61719 60378 54812 22843 18111 74053 96923 77754 92857
40833 56485 06129 98804 47074 51002 99086 84490 75204 66221
28396 98969 96536 63956 04379 75075 56371 51351 40943 48340
37321 41242 76181 53737 11791 58336 21978 67452 19567 70864
41046 85851 31426 52419 74861 58854 84730 03653 70892 19881
01926 88522 82601 79569 27886 64783 40624 75459 47052 13395
18589 94805 66280 96551 41996 12734 74364 99009 13598 12915
14142 32399 53732 82942 28148 07217 79021 01608 63731 02183
67895 60255 48590 85638 86365 85411 72646 68699 72497 54861
37213 94817 02995 24382 57379 95463 90373 07300 28555 66615
84118 74065 93118 45724 74296 64048 68094 93863 21038 26709
19806 12741 58342 34363 96435 51258 45635 33717 54438 81310
65512 28356 39735 47511 91119 09373 09628 20535 71594 76338
06381 08749 09014 15786 18398 07849 25283 29403 89925 93156
42402 29116 65246 84290 24548 41262 78262 36882 55417 87025
23446 95221 00000

11166 70202 19524 03096 02099
52924 96972 19460 48497 28673 89397 41678 18554 66277 76423
83824 24444 71806 85924 47949 64768 55037 25656 42127 01461
08431 46862 42295 87714 40501 79875 13947 95216 05760 52609
48387 14149 98441 27907 93210 24366 02178 20679 81724 61215
12817 80749 90964 24413 76578 52380 83031 03435 10729 46378
09399 17834 98953 85746 82907 95951 78639 10805 47120 40437
62223 54718 97724 54022 59824 25378 35678 23988 95323 54566
56775 88759 33091 00339 07333 35071 57546 13577 60671 99125
72734 04627 94085 70208 14118 70981 70994 20170 89751 71932
57947 07228 93044 61133 31191 27525 54298 13005 52463 12878
23189 03938 18722 98149 99404 34203 15485 06698 53611 01535
28464 27317 05935 62303 93197 81132 54155 41226 87352 01861
68794 75552 95390 77900 97282 04655 00287 29665 44398 40972
81981 20613 21160 83235 27270 25407 79371 57916 80788 03636
73991 99835 91816 52548 20522 07872 36556 37214 39610 36703

20594 21580 06042 10518 91225 48831 44311 69645 14326 44512
37973 86024 95462 40834 44937 08462 49936 45616 35919 23614
51426 04293 98214 43623 13950 28419 72001 56360 86794 89124
11340 99195 67142 98942 87074 42247 60039 30456 73814 92030
40435 45198 88185 51470 96946 31243 70535 97183 62049 72926
27286 59994 58390 01136 76122 19603 15896 96207 00000

13369/11048/9244 kHz, 05-02, 0700/0710/0720 UTC

13429/11164/9164 kHz, 05-02, 1200/1210/1220 UTC

11166 70202 35796 04097 02359
26701 31401 61961 01073 08192 26609 82920 61223 39522 05182
30611 99881 64200 37376 94864 33952 80501 58284 44773 52035
22119 64874 82637 27918 44396 40866 37078 29874 89550 76614
31242 05443 29342 76213 87040 46394 08625 68990 51371 63548
38213 67574 55234 26148 10495 39748 41713 45475 36246 86244
23724 07387 26071 41693 57504 83462 64903 40902 42744 75464
53020 17652 85334 72767 11991 28199 83629 27483 79006 16681
24203 76937 38028 64590 97994 68195 61182 91530 72821 64337
58858 99422 83162 37146 61927 77355 23171 75920 84525 09272
53846 67078 40849 51673 60302 24255 14384 73527 20075 73575
03017 75577 68395 23791 88465 31227 71379 75962 03458 16199
43062 52390 95104 19146 67216 49457 07901 50414 09900 44098
34795 91128 33651 08562 09762 49809 49298 13165 40315 18680
66285 21718 03396 46888 27492 09321 53089 72795 39439 57202
13581 82537 33867 04301 55811 87051 21577 60272 81262 34733
24514 09613 61304 01939 96992 61572 05549 28501 72035 25569
57644 90450 93734 16773 41949 27135 21596 21553 09523 64916
17786 77476 56868 04648 53231 47545 15868 65089 93497 93360
38348 99489 50400 76896 23709 27481 10265 45580 63059 49506
74791 80352 98292 35947 75455 11414 19543 08150 47376 31325
49453 53527 73596 60163 87704 41939 35714 42416 14229 35524
31794 80300 74556 09174 47507 33193 95727 23846 91422 37868
06207 19891 30406 29212 58244 22589 86046 66125 76105 77079
78061 92285 78630 97233 00000

13369/11048/9244 kHz, 06-02, 0700/0710/0720 UTC. Two messages

13429/11164/9164 kHz, 06-02, 1200/1210/1220 UTC. Two messages

11166 70202 59841 05098 01839
12023 45954 39630 89863 84010 63225 94590 17355 33242 09956
39603 41698 63776 68722 73953 66338 02868 00961 05681 10733
19170 81752 44240 67452 76977 14780 94056 63675 12445 57150
97387 69258 42707 08774 99943 18584 43853 45970 37695 38363
58683 04010 68316 98576 20192 38262 95687 28759 01705 18652
60905 66791 29616 37096 98233 32409 19667 32618 79434 42598
22685 63831 94913 11080 90746 83469 45119 99059 99674 94647
40636 09434 88831 93565 34404 41642 04127 28309 34505 49356
55194 28461 70956 68177 22657 85195 14939 05551 76430 86552
73909 10070 91005 37571 11032 62366 68630 19978 62352 54764
06347 71110 50179 51892 67813 86766 16077 49448 45842 77669
21939 73284 26608 34233 92561 86021 91443 79312 98150 93360
17179 13632 00223 67300 60947 83581 09304 28428 40406 26052
27901 54483 45302 70023 77151 07377 41321 99565 30606 95857
52162 07961 03581 16010 30776 97625 71508 36766 55691 05517
15731 22633 13383 58718 20178 10810 52616 89887 67354 84886
21689 67256 07084 12317 24536 18866 96443 37838 56606 55730
34329 50049 06473 23615 39088 63311 34092 38109 42647 82166
61675 98181 00000

11166 70202 49178 05099 01779
63047 74716 69542 84392 78867 60498 80574 93833 15740 84504
55378 24421 65106 81367 29196 37796 37303 88383 91609 72372
51908 16016 32800 43375 81704 86460 30132 44547 04947 13721
42270 87445 45614 23620 02994 39281 06337 37194 31907 45225
23687 65899 04238 46129 00526 92074 46894 27586 95077 33098
52989 61289 71443 12667 32004 24602 41218 87650 37785 09291
50906 03939 41560 55359 94839 79741 42164 70915 58257 39759
30652 24009 20250 48673 51503 17382 71268 17392 27590 82068
24851 80482 41103 50774 28291 68237 87621 96983 01915 21807
45521 50722 61652 24827 27890 26925 04609 50003 09162 27330
62301 44060 43641 01850 51266 99515 18109 80355 75712 86703
05695 10802 61913 44491 13215 64643 29029 53126 39145 95467
26038 37647 84432 61798 89466 75297 83325 49982 01617 05388
46406 58122 53956 65026 33023 26980 45386 99174 95302 28788
70046 18453 60932 49907 74368 03139 46900 28274 88050 76792
21374 31567 58644 97951 55923 87037 44445 43328 35249 98930
45373 80942 16629 14452 76519 56649 56253 24192 14071 42462
44643 07980 68272 20148 18340 99175 00000

13369/11048/9244 kHz, 07-02, 0700/0710/0720 UTC

11166 70202 64187 07048 00049 00000 00000 00000 00000

13369/11048/9244 kHz, 10-02, 0700/0710/0720 UTC

13429/11164/9164 kHz, 10-02, 1200/1210/1220 UTC

11166 70202 47281 07001 02499
55882 80164 55477 44135 85905 02231 21538 33084 23777 56749
17500 17524 08099 83780 53887 76225 38454 84926 32147 58581
47618 28137 87411 92189 08239 24877 93089 99532 84934 34339
00698 90904 67731 74407 13392 25811 47791 44032 16625 60012
21362 86727 14373 20388 32884 49869 44360 74835 93198 19473
70731 89361 33788 35160 77597 89582 82994 14976 11904 68791
75140 44767 49048 09811 28502 11791 79689 12787 53067 87255
41188 46139 74018 87469 42112 62838 81866 68292 53247 49204
45197 32579 63543 98409 46936 55292 24450 25878 30100 55983
31060 68768 63951 73319 13511 36722 66501 21357 37074 06074
44299 32232 34375 74702 35443 14968 18187 19715 66753 85083
48210 25151 61040 44693 50316 71893 55408 17773 11649 06973
16535 70298 00060 34459 63856 69935 81281 95111 36601 64958
32310 26999 65615 87102 74397 24256 35899 08029 74126 36173
50813 04088 85977 73805 33880 09074 34847 16295 29116 59647
61937 34076 85842 63135 82462 71174 38904 42367 28617 53766
20234 37260 76225 17201 62706 67821 78526 68664 82208 88271
55524 27677 48878 86963 12336 11611 83430 11792 84995 58408
39529 25778 37117 03709 58126 22517 55894 54537 04708 56178
20837 26785 25396 65741 43711 38629 82826 98156 03100 77103
57759 60127 22036 80007 27341 53179 62138 00322 55967 71732
32681 45342 59684 68837 38057 07703 30055 19282 12042 30483
28444 34745 12324 73580 86643 10691 73718 73547 74790 09688
43513 14065 22499 10839 47381 49255 04159 80018 59296 47006
24332 40592 73889 44514 64178 49312 04685 01247 00000

13369/11048/9244 kHz, 11-02, 0700/0710/0720 UTC. Two messages

13429/11164/9164 kHz, 11-02, 1200/1210/1220 UTC. Two messages

11166 70202 78954 10002 02339
91343 74232 10793 51464 05614 62583 64782 18809 10474 33324
79504 41564 90186 62634 85157 92178 89290 59700 35159 50220
43008 62528 03995 85358 60886 99881 15629 93167 74590 74010
75920 50963 85801 43875 07477 85830 75142 13543 10397 72060
58080 55449 97318 00158 98741 23207 76223 84626 17571 33658
79441 02708 53773 22847 62271 81262 68484 05611 19675 73987

99600 93469 94477 96150 04200 50501 75503 09035 49504 91895
09091 71270 38314 54875 72432 99257 79852 96655 82157 03853
41952 99157 36613 95515 45537 85136 15271 75096 87318 75426
83701 52461 01653 41985 77555 60128 97501 36432 63979 54122
31422 98752 03917 19211 02532 75875 63722 20737 80381 04794
49529 70207 01682 39928 62813 96845 96805 29416 00578 42289
32024 70008 48613 20618 78390 95277 41254 10901 43235 76802
86078 74447 25182 43036 76992 13966 78649 45538 44124 16782
98754 27248 13971 49351 62565 72509 78244 95210 87642 43513
94841 53579 93798 32851 69380 40800 79020 86878 90736 61785
45488 79558 19033 43683 36629 41483 49497 48929 71147 73762
00638 09889 84958 01458 00176 52259 16976 46255 67172 99435
99677 23072 13773 75019 40405 90261 15031 45660 04312 08135
20229 71413 34913 85459 04141 55808 73174 18642 81672 12812
61068 53262 34324 92868 40545 22674 21903 35218 83844 43331
77923 38660 16101 71545 12143 67974 16167 51356 68660 38165
06596 08203 13021 43726 68724 68078 46759 25119 43789 06873
72821 02231 00000

11166 70202 12385 10003 02199
22707 94236 58965 94207 34391 10093 62047 11736 48152 87114
76437 70995 85597 03046 14359 25662 52888 52531 43253 59011
71736 45868 98270 40129 29256 01991 65956 36095 07589 40386
62567 97297 79268 01617 55445 58094 79229 51152 00911 19975
89420 46179 97083 09451 96956 70094 75087 27822 11736 64362
77072 35038 54474 12413 94492 34821 51081 55292 65067 53248
94322 43728 51881 27981 58711 56310 53043 50323 79551 38480
15354 27301 32082 41994 50412 55945 71657 69578 76602 26979
20900 54433 35393 00072 14761 29297 55399 17876 39430 64748
62625 51018 26032 81427 60344 91225 85045 65874 27039 34800
92376 44671 05852 23594 63039 96570 83969 35712 73361 07295
85394 43090 17673 96705 25526 78169 10396 73022 00998 76831
69485 93774 13209 89792 42160 38188 48980 79647 58845 20675
66777 45739 26287 00134 61943 44048 95755 64728 09364 94294
67289 96854 07019 91428 15909 47956 68845 63707 50742 77901
40358 44535 42994 38599 35458 50272 83708 06528 17873 81173
57246 93895 75662 87669 41425 93087 62229 69167 70257 34104
02268 97549 20226 59681 86092 82576 06026 47770 00790 21368
96724 36063 71612 99150 88262 28261 12075 33470 93244 86776
06171 79042 33949 41530 71164 35434 49499 69564 74374 24771
53136 25142 02414 31647 00519 25012 06294 22430 55003 18550
70856 86148 60832 97443 81954 64150 60163 03217 00000

13369/11048/9244 kHz, 12-02, 0700/0710/0720 UTC

13429/11164/9164 kHz, 12-02, 1200/1210/1220 UTC

11166 70202 85236 11004 02139
18157 61996 39906 82494 83134 62249 49529 30128 07458 57504
08348 08719 81778 30389 51348 77447 98274 98121 21241 07957
80555 80769 03492 28233 46860 36007 93869 29103 86247 58816
90697 94249 52464 69566 29005 39712 05175 38912 98756 73791
53237 22943 14357 13301 79725 07023 27603 17110 53373 81761
01290 22903 56127 99554 85645 98098 81512 85120 64783 40875
83470 98481 65362 92217 80388 73830 44642 44952 43979 82703
00126 60676 27724 94912 67957 30549 14540 35669 02296 40860
88384 62335 52817 29320 59469 09242 82556 43016 97772 74009
93267 33959 54542 43815 50494 53174 76476 85030 25526 29254
42262 44683 96443 42333 76171 37169 75436 29398 18387 14655
54566 81890 56765 44613 87187 21534 49700 42921 47189 65316
94797 35963 33267 15570 23035 50175 10391 36090 23090 52470
05677 00226 25548 89976 00836 21876 01643 02533 88393 05341
56245 06370 83864 74952 19781 72432 11077 70429 68750 47751

02824 18895 29559 93332 84034 19485 45331 36984 29656 01503
10403 64517 14429 42033 02174 97771 96736 53979 65013 32886
03740 80437 25905 37268 09954 56363 46511 28690 26477 23456
41363 84947 43051 09207 16838 57531 90139 06044 10629 87724
13212 11507 36400 48601 76426 15406 63289 61316 37892 44880
84973 59173 63698 03308 57968 97863 72908 64001 13850 35346
30689 04211 00000

13369/11048/9244 kHz, 13-02, 0700/0710/0720 UTC. Two messages

13429/11164/9164 kHz, 13-02, 1200/1210/1220 UTC. Two messages

11166 70202 25896 12005 01539
85390 56527 86207 91424 60782 44948 82794 32603 87104 24728
52495 85027 18344 74068 02706 42587 83487 10636 60402 08392
14277 49071 53454 70113 65635 21885 08841 59786 58465 12164
09942 09033 99481 71535 80101 35626 57800 21820 84650 22342
02941 63815 68567 74034 33948 41645 71978 63866 54311 36112
90672 04644 72375 85495 73824 06183 31922 57218 76113 04651
02622 18845 06424 74809 85030 81818 40312 61121 09825 16402
88436 88626 35970 61236 38125 39548 77492 75976 10280 06560
13554 04239 88015 86486 15248 85978 47178 05091 77163 12024
22027 14249 54896 48817 86921 45341 54139 17597 62525 24692
71481 76472 64163 02706 77746 23897 56569 15158 62200 07822
37023 86248 84980 74814 18589 32448 34200 43640 35521 76913
35023 37644 42538 33394 07180 60259 29939 69422 18189 48024
26462 07915 28707 85695 11644 76538 77435 17349 09651 64508
01905 38408 86477 95776 42409 02612 22235 78357 25734 28386
80600 51510 00000

11166 70202 26987 12006 01639
72971 06059 85772 42651 78302 36295 67254 63575 60552 85974
59276 99140 02269 47113 93285 38392 82732 61404 79183 13038
46506 56708 56540 97278 21295 30128 78722 72174 58571 44856
65861 34260 95381 32972 87614 53084 60785 21393 61643 07356
75361 23148 78751 54402 17219 61177 90630 12604 52946 16836
21124 61512 56942 20296 86979 89332 67560 25023 39003 42447
53512 33532 59559 56689 88956 66588 77366 75034 60719 93069
85503 81409 56083 62639 73584 05297 04574 08458 10023 76838
72199 12094 35343 37100 31553 47823 52452 33211 56246 48523
24829 53050 13090 60326 18560 79169 50462 78233 49155 66645
06317 79875 19099 74540 84248 99600 57043 05671 71061 10088
94614 34355 94288 03661 41750 26847 43080 90499 46500 84125
00915 55939 50253 61733 63559 44027 74296 46366 40725 59545
98672 93870 64850 05677 19251 58369 55450 99500 93959 67180
12468 32509 14121 21226 37072 68330 61816 25617 03328 94845
39228 80100 29189 72893 80885 84062 20241 48732 84764 35757
84635 06161 00000

13369/11048/9244 kHz, 14-02, 0700/0710/0720 UTC

11166 70202 76943 14001 00049 00000 00000 00000 00000

13369/11048/9244 kHz, 17-02, 0700/0710/0720 UTC

13429/11164/9164 kHz, 17-02, 1200/1210/1220 UTC

11166 70202 75613 14007 02839
70383 72561 12278 29035 98927 80131 75835 82678 83040 63266
19872 22308 66616 49216 94582 43608 26600 90269 74170 56436
81482 99946 06594 77312 72542 52975 82162 16166 16281 41214
81922 61987 51488 02725 91760 97113 29370 66173 93167 94800
20186 77754 66605 79790 34824 02820 68401 56548 84755 19406
67121 34873 28806 45833 50351 07548 80180 69590 37822 59731
72181 69658 61828 14785 06051 49496 00862 46197 29387 22843
77409 10320 18554 19552 55845 79590 63545 03624 01363 80927

78716 20637 85876 68992 87836 16762 51832 88999 56898 96540
69868 08769 73111 11629 51261 24695 93532 97676 01094 71342
11759 01545 23080 89331 16122 66040 11994 31218 37827 64358
94627 10043 12475 01421 05229 20255 03387 24291 06338 85672
60201 08864 90984 14192 11148 15015 27163 63919 12456 27382
30529 50416 03331 23994 76261 49743 39928 39911 86014 76993
06779 18070 50917 45006 29084 64528 76531 32936 34331 50293
60730 19378 36661 26910 40417 59729 42432 48015 68037 12477
00407 14038 03805 44101 45006 82220 34597 67274 06074 09171
55435 92052 83571 18114 74516 94740 10662 08044 27704 34124
53605 46954 13435 69743 21909 16338 83973 61921 87166 99145
53949 58197 34032 28386 12120 95890 91755 38566 47293 75459
19723 87136 24345 84341 45438 38160 71273 75982 78387 25363
63226 33717 48211 36772 14441 74208 40640 88124 14024 70121
29615 77229 66527 96721 29043 36478 23235 32091 12608 25683
15120 65642 75100 32439 23395 94619 33677 72191 48595 13279
92501 05194 64139 24429 19209 12555 65296 28024 06612 98554
49502 66494 18107 11406 88962 31505 40212 99677 81472 61820
90657 46538 90408 86980 55496 49022 09801 96457 53645 34501
15457 38991 52310 31557 88049 81783 81723 37428 19116 84253
22644 07281 00000

13369/11048/9244 kHz, 18-02, 0700/0710/0720 UTC. Two messages

13429/11164/9164 kHz, 18-02, 1200/1210/1220 UTC. Two messages

11166 70202 35197 17008 01579

36774 58261 85447 72982 57970 90887 77416 55051 69561 05773
89901 74849 90872 01170 97335 95437 66671 23267 17369 13544
97958 38849 67873 13317 54476 16629 67393 37366 73658 40723
96254 61021 75687 04689 60495 80754 49347 59561 25819 52703
88377 14340 13758 42218 82991 12347 77228 70395 96259 31906
97666 68511 80049 84772 70935 76309 10200 10758 74190 45069
45620 91979 30886 31396 41002 35180 16120 92680 67839 95549
69487 20145 23425 40488 07654 70427 32533 76750 53814 81643
71457 89398 26235 84853 69107 66023 53071 46879 64839 04641
05634 05403 27707 28730 67305 82293 66839 57829 80287 86092
87605 07142 37365 39590 73275 14578 10883 93448 96857 18682
36111 11787 92790 35869 91196 40683 43198 10420 40880 95519
58372 35668 36175 28120 56187 69810 87189 59599 70128 94792
51277 89882 40614 91688 03708 19816 69313 31030 83052 46817
41139 01510 28455 19993 43597 25504 50987 65673 38196 34845
06273 19290 63588 05291 60578 08155 00000

11166 70202 19764 17009 01659

61272 08352 74665 91679 83418 97548 80830 62791 37170 41154
92547 86988 72070 14411 98598 46054 61354 80142 71375 68328
53646 91016 96951 72828 62261 79802 45096 13061 53044 42292
02666 37730 16674 42599 18810 10541 36383 95497 35440 56252
87024 05502 01379 25205 26423 67375 93644 93481 64950 57752
94299 40904 24255 72553 96306 74054 21100 89898 36820 86489
37224 63188 81359 73370 61186 74056 07304 42651 13111 99864
60129 90055 88290 75441 80849 30000 80562 53745 28079 99667
71419 95139 43159 78407 95770 39971 31800 89661 20308 44131
60651 77590 95402 82302 92258 75599 66475 48560 06834 08946
55778 09027 84280 98610 50526 86265 44913 58636 58304 80100
72299 04102 15711 54548 66671 11930 61149 45550 02346 01720
07727 69196 87575 28782 77177 35120 50291 06564 80771 94760
98148 00672 58123 79172 26339 61642 09852 06076 71584 88689
85026 60831 35767 41586 09336 81032 27618 42874 64910 99387
95918 37609 57756 24605 52638 02795 33708 64941 09449 23722
28868 24121 76061 09163 00000

13369/11048/9244 kHz, 19-02, 0700/0710/0720 UTC

13429/11164/9164 kHz, 19-02, 1200/1210/1220 UTC

11166 70202 54879 18010 02499

30734 20606 77086 16705 33907 05624 68539 08814 83809 77615
19315 08861 75332 93920 05538 19609 08012 55815 26530 77392
37125 82722 69625 44932 81519 70122 93439 96432 92866 54577
46785 80912 16038 34338 65418 74685 95268 18943 13804 58941
05822 06265 64091 83364 15823 10432 29480 01724 07953 89071
94170 90368 15702 43300 07086 85582 53854 88911 31543 00712
47903 22190 68079 09018 92074 28790 92602 03202 90653 09124
77064 67506 62303 18682 84838 23373 12051 46745 57999 34557
00647 81898 38672 82663 65967 37812 91662 49020 76155 37703
20540 63846 19195 80935 94360 08637 58589 40180 27232 82708
09847 62578 77888 69846 17449 73352 61477 65980 37003 05290
90741 53839 52246 02547 88779 35514 81610 72203 40579 58864
54024 82012 75503 98716 58632 27776 97929 78780 98137 18789
08209 45227 00442 54783 81156 27865 68270 92820 94239 49848
71476 27557 22666 71863 11711 33327 43556 81720 14134 41482
16372 65298 25877 51417 31824 19762 25920 98734 46402 95022
76087 28960 44751 74338 67847 50278 97061 30025 44587 63697
03669 15197 04083 94102 44044 77482 10817 70615 72371 05647
72851 29717 26891 45067 62942 39558 45201 42987 88575 68895
02706 09500 40622 49099 16387 05186 75282 02663 81109 91354
09035 36653 30622 03814 31246 24541 40457 36116 64152 24847
14912 43218 24889 10042 25297 01480 69259 04138 91648 85956
21930 52407 25079 50910 22733 71674 72956 24477 43781 54601
34117 53443 57060 26422 36270 59044 57200 77553 92803 89743
69115 20523 81174 81920 95185 44651 10065 10247 00000

13369/11048/9244 kHz, 20-02, 0700/0710/0720 UTC. Two messages

13429/11164/9164 kHz, 20-02, 1200/1210/1220 UTC. Two messages

11166 70202 58623 19011 02619

09935 00381 86479 24506 68348 61322 45998 48421 80756 93672
90057 34059 04697 37343 54317 15261 62087 40466 47186 47820
75616 10121 47206 15139 90788 91285 41543 39454 25795 84943
60287 72063 16402 41291 86232 60999 48052 88980 44839 19573
92354 86332 04055 44240 90163 05464 38692 55222 48422 85253
39035 58316 42959 14112 68381 51332 44441 28447 99191 23599
09649 37817 82540 21975 05270 12660 30562 81798 56412 95570
16556 46219 36996 22046 22477 22341 44239 61642 88457 47624
24402 15475 44081 64977 42005 31012 26074 29978 09673 20082
12111 98656 20819 91047 25428 69291 52356 31076 89913 76638
29600 99437 40385 62041 70578 17792 17722 67862 51918 68367
03553 29662 63501 35999 74178 64568 44080 54949 78426 79286
15034 46450 69109 46158 54461 57905 42793 20739 78790 39691
67547 99312 24097 20493 03375 39780 44310 67113 45003 94366
68514 39689 41728 27592 84506 78259 73992 17918 40821 81615
91393 66530 84389 64375 41805 61695 76040 03220 46295 72107
51016 08220 99535 67682 16696 80208 00386 91238 04711 40115
42346 29478 19648 41220 18549 56735 51517 00251 21000 49914
44180 08263 38742 98045 36918 07245 84629 54926 21337 43386
05404 08246 80789 32940 54761 63669 04505 01618 34092 67285
93614 83463 30587 14883 01254 90136 07391 21474 73944 86533
25493 49510 86419 33708 02053 19230 87108 85006 34826 49567
96440 46361 47401 03070 25176 36689 34922 33255 04944 09319
14979 57847 48167 20391 13377 06331 79581 55175 39443 15252
06512 48226 30574 69722 20116 58329 70715 14544 44763 84171
12450 83400 77755 31664 57383 19554 86558 68870 74526 11259
00000

11166 70202 48596 19012 00839
80895 80251 12975 51734 23410 07063 56010 00760 82604 97480
00928 92516 92369 76888 29310 83228 50402 91663 37469 51612
11001 91884 43748 04093 54906 99295 22077 11374 15883 58960
53996 37286 68721 98043 16322 45862 08368 40161 46639 97569
74833 48733 53824 70646 03611 97779 65762 68462 06258 93592
31470 98862 10840 95726 19790 36416 16938 10745 81866 03514
44879 57149 69568 31249 83898 24951 27059 86027 68922 78295
97702 72825 40637 74599 13486 51061 68559 98629 59144 23984
41776 12081 00000

13369/11048/9244 kHz, 21-02, 0700/0710/0720

11166 70202 76943 21097 00049 00000 00000 00000 00000

13369/11048/9244 kHz, 24-02, 0700/0710/0720 UTC

13429/11164/9164 kHz, 24-02, 1200/1210/1220 UTC

11166 70202 31975 21013 02539
90981 98241 86190 36548 28258 45606 47367 61366 32862 00391
26092 09001 90968 40114 18245 75224 38358 03238 88853 23830
62225 41912 54610 92940 01509 67411 29764 18229 31701 17920
83826 15201 45070 03376 84538 87768 62220 07057 24522 55267
35947 48578 55063 15115 33311 38020 75460 83318 06870 75846
51381 79982 91011 78310 60654 52035 84322 33042 89941 50348
03925 14497 30732 03435 22728 13952 48084 54916 25524 63747
20560 56956 44873 60444 74789 36824 62706 16602 63103 78800
88591 95858 57665 88602 50597 10993 59548 32511 59689 89663
46191 68393 33605 37519 05667 10813 91129 53346 31209 97402
52727 75970 74432 48698 08457 67568 80669 38616 39104 63102
54891 17763 01482 40557 31618 56760 13823 91656 47277 01788
02208 97762 38441 59509 93972 40636 14378 53584 69012 02748
77358 19951 04951 36828 89154 33069 77075 09342 07164 80295
99014 47578 38605 26608 15059 45037 86215 36834 80088 04812
83887 47598 88037 25638 45684 06155 34819 60311 76679 18308
26678 01158 19040 72599 69876 72236 31804 32955 02671 32971
27794 16975 55511 22897 16088 02053 50403 02207 23497 26518
75360 67780 93486 77986 94898 49400 85974 86100 82500 15820
26446 61856 85988 45391 77821 50695 61751 40923 33521 91558
38745 93471 55147 99083 98231 24741 03246 11126 80160 62784
34563 68817 52165 30695 64247 21309 02079 52971 16428 72430
39934 09248 11613 11415 20370 90072 64337 94901 21382 34428
89508 72393 40366 53673 40871 72359 93372 71603 30047 91169
28537 35305 99577 52049 89591 76504 48403 26236 90422 28090
33224 13251 00000

13369/11048/9244 kHz, 25-02, 0700/0710/0720 UTC. Two messages

13429/11164/9164 kHz, 25-02, 1200/1210/1220 UTC. Two messages

11166 70202 52367 25014 02339
73882 83461 49275 53891 09534 49599 79416 02164 40178 56544
19390 11373 48469 86883 03687 36771 99619 86378 34620 32477
51986 60659 84563 56422 50574 86478 70941 39071 39379 17196
02420 08097 53524 87189 19716 86205 77114 44884 79480 04285
77748 69077 54684 97078 53637 48256 49939 73567 54248 27586
55207 79242 60427 53265 86323 92460 34931 68931 85763 22070
79302 43802 82117 98493 58038 37249 31682 75459 75973 29474
90623 84552 19826 72996 91143 09801 99846 44623 20084 74458
52492 02596 23417 57185 90082 78603 85044 79809 08360 59340
53355 33862 87898 37306 13973 38062 50303 35533 32133 43955
55122 35926 13126 31872 48430 65895 54244 64421 98999 22992
86668 89675 83012 42206 30740 11262 03245 35636 13039 67528
53660 59206 18724 86983 65349 86120 77564 12190 94758 91746
07092 09307 40136 79608 61331 05460 97142 03183 58524 21132

89560 63185 86302 89763 36030 85026 07732 81745 38769 06139
16681 74990 05196 27845 15941 39283 38402 11477 16532 26577
57409 23406 81644 84442 33150 58702 63645 34843 51108 98078
07586 85437 36556 77837 19655 65579 03330 77481 24007 04218
12072 54697 56408 91881 48891 82381 68137 93924 60363 67412
38578 07238 05820 55841 19938 77601 12863 54201 62535 19865
47031 21616 94091 08157 31575 12396 51461 28292 78258 73807
88246 09576 15135 28713 06720 78197 22235 97755 87508 99379
11104 40782 15469 00498 09120 22194 25184 92335 34536 29911
14534 14231 00000

11166 70202 52917 21015 02039
04153 81306 21914 63913 17576 73490 62373 34908 71017 07922
45176 74706 61721 33989 08056 00954 97822 66843 74213 41848
56221 45554 86815 27342 32358 50722 40837 67164 24073 92516
66978 89096 16728 05049 47298 35936 61792 08039 67290 44596
66067 21703 34062 55763 33748 45798 15317 27566 28501 38766
78830 51683 47747 57914 37092 95323 26351 46569 26819 17539
11872 79133 78015 33268 78603 00002 52274 23595 72562 17251
55002 15621 04618 37063 51254 80406 33959 49797 39880 22422
09084 03671 65645 58934 58483 26964 74039 12772 48236 84711
38440 66912 48674 80786 14331 54318 77317 41349 00259 81465
10275 40569 10213 09005 79282 54576 87122 37979 96570 54569
12151 75059 74764 75021 89479 75209 33972 17926 11268 85238
13286 79004 32476 36660 28852 06838 10238 61317 45717 30836
87477 28190 55630 18995 25440 24833 77987 51378 14848 31886
26112 20257 20352 64078 06049 92847 37969 76182 40072 97583
70201 57341 32083 19866 48513 62219 17091 18214 57864 52397
61965 96771 42972 46469 09642 95096 01013 02256 83974 81169
90423 79597 97423 58568 10513 57144 28754 23736 31558 01585
62951 34285 80074 12760 10523 74275 08954 93089 48388 27402
07148 14755 49536 94025 28596 83068 93634 13001 45074 19481
75795 15201 00000

13369/11048/9244 kHz, 26-02, 0700/0710/0720 UTC

13429/11164/9164 kHz, 26-02, 1200/1210/1220 UTC

11166 70202 63549 25016 02759
12596 06877 87253 81581 78353 27453 22016 79527 12490 38818
75514 96704 78319 25392 84086 60952 20870 16485 90162 38807
19682 19061 49815 91947 64757 66208 18902 26696 97837 92288
72524 10026 86198 70670 37460 50519 21157 75003 42286 67691
58469 49965 14853 98139 42813 02414 81818 11942 83537 48897
49914 37748 73872 80436 73639 20002 70777 30541 39067 56727
77630 57378 18457 91320 96925 76043 75345 56778 45193 01863
24825 95812 47294 90675 78671 05277 52318 87013 30038 78348
38232 16144 57374 42899 97498 80881 52280 19499 20835 49140
00967 47484 21300 43126 74024 52528 65908 66146 04170 54154
06944 27941 56680 36630 30174 54492 22182 31677 62144 93241
86493 86428 03738 49657 57206 15089 82198 16087 51691 57714
38793 78826 76220 94559 94313 14362 50884 89436 59587 10695
60004 60506 83203 74710 32714 01951 53630 11521 83410 04966
97915 86710 66750 51503 44155 07435 26888 79208 39921 83304
45640 40981 43830 52988 19258 07608 32451 87481 18507 86897
89720 05965 11733 57755 71080 65205 55598 42639 59496 08429
83193 66828 55565 84594 44185 77954 68895 74032 76712 24209
02931 81350 15707 14699 50436 81574 67323 10349 41801 30441
04176 18825 13374 74796 61052 91886 87992 24024 35820 48625
84916 68444 25181 73016 01343 55633 49986 59226 32682 60573
49780 03107 23803 10605 51283 63326 68411 51094 40474 40562
98769 62758 92984 48193 32929 66590 42472 72944 71671 77324
91676 48901 62351 91362 95836 93341 71806 20126 73154 77826
35553 04738 22008 32979 75426 73007 49573 10389 02873 24624
41578 50091 50072 55516 27842 27043 96077 57312 23314 75040
80163 52829 49279 11521 19571 53537 64433 11677 73830 49934
60506 05325 22856 16273 00000

13369/11048/9244 kHz, 27-02, 0700/0710/0720 UTC. Two messages

13429/11164/9164 kHz, 27-02, 1200/1210/1220 UTC. Two messages

11166 70202 42671 26017 01259

83055 59222 07741 95406 17425 62582 71845 01181 16200 24250
10455 02123 43103 83324 96481 24881 16809 35297 93002 87945
20261 22403 23763 47900 00715 77580 11739 86019 71445 76741
59217 02372 51041 79021 67801 09644 01244 59705 21809 43846
49257 65522 83475 34112 05461 46990 73423 98756 12483 47490
34811 59798 86545 53779 04618 93124 37044 37606 40493 56489
75275 43136 76608 62526 48276 99852 06956 88975 58684 65653
19515 43299 56580 29786 29751 23883 14239 30355 86851 45004
19724 66057 51165 17761 50274 06843 66267 04139 11403 33191
74087 86418 52669 58691 46544 19095 96038 15603 32124 55509
37779 08101 40833 66371 09837 62877 15969 92367 11612 31797
66148 98035 48091 26289 56019 19096 35260 88171 79110 20432
58739 26577 61241 17123 00000

11166 70202 32974 26018 02059

73385 73277 93992 76332 69265 02249 44421 44901 37116 80882
06266 56390 00336 98021 57995 49414 58322 57266 25695 69797
92224 99502 64452 21278 37209 57950 02349 29193 19653 37914
07979 21852 82729 38437 67450 59259 48802 58030 81789 63896
92073 51672 20691 33242 19931 31269 93560 38715 86413 26755
23775 40729 86247 50027 37105 74556 02892 28899 00233 86669
09018 03263 70306 26264 42870 00643 41469 21647 08942 33335
99294 96170 76413 84311 19072 03407 73765 74088 68878 86249
03038 25730 03367 89626 22147 70190 59224 81513 68702 59176
88218 61938 23778 77712 88786 64660 39047 73602 22090 81207
75748 45973 23486 61974 28891 60088 45342 74049 35165 80617
92139 20473 87969 40554 33793 50607 08016 87958 08141 16306
42929 77725 48521 53574 94290 00559 97391 94402 95566 66337
91918 38466 89345 84066 32476 39372 77328 05600 69996 85147
41521 25307 73096 77652 60043 52907 60940 40603 66011 01612
12749 10904 22922 58802 89916 92958 14979 31407 31656 80663
75795 83180 10122 76760 03920 06052 55941 64241 38607 92757
90092 09494 94286 02921 23067 01867 77157 39778 07258 59357
32352 79740 53505 55090 95096 21973 47744 44290 44325 50178
28676 96429 82160 23778 12430 62239 87720 40675 75118 30269
18671 38787 29251 18203 00000

13369/11048/9244 kHz, 28-02, 0700/0710/0720 UTC

11166 70202 35718 27003 00049 00000 00000 00000 00000

Link 80214

14983/12196/9917 kHz, 06-02, 1310/1330/1350 UTC. Sent link id 00000 vs 80214

11166 00000 85217 06019 00049 00000 00000 00000 00000

14983/12196/9917 kHz, 13-02, 1310/1330/1350 UTC

11166 80214 85217 13057 00049 00000 00000 00000 00000

14983/12196/9917 kHz, 20-02, 1310/1330/1350 UTC

11166 80214 19578 20037 00049 00000 00000 00000 00000

14983/12196/9917 kHz, 27-02, 1310/1330/1350 UTC

11166 80214 83458 27023 00049 00000 00000 00000 00000

Note that the messages are not in their standard HEX/ASCII format but in an unidentified binary form. The messages sometimes contain a header and after converting the files to ASCII the filename is readable.

<p>19325/17513/15766 kHz, 01-02/02-02, 1500/1515/1530 UTC File 04401, 819 bytes 0000033300000030343403100000000 04ed32da0d0a0d0a0d0a9d4307b86ce9 ffe0406506c84ffce19f9c922dfe8a780 23d14b2efea78869f559afab7e7b7998 e16c8d2512b80cb9a495b864ecac9466 ee9c16a3c3dd4cc370f18a137414846d 82d2e9b32931dfb35a56007118dca52b c73ab0a6cdf720888f8212d603ed0dce 49ecafc814c91cc9d733caecf31f7fe0 661cb20eb4c8882f035c305ead695af7 be47fbc61eacea5b5e533f8b6d118a6a a5683747f3994d811f01d12f56dd75f8 8e2269a37302b11dd513901ade41f082 82f6df52ea267b9edb28e6dc45922ab4 89701de9259ba218c603ee760032a1b7 2056cfc2dc9e63f7d3bb640d28c40ce2 a5d9bb5528432ea95de99295f05a5169 c7c8aebfefa6985246d944810ea5700e f9b96eb956184c7e6dbcb67a312677ce e042a9053055f5cb18d583086c5b6f96 c320e43c6dad369e6baa9843a9f34eef fb6d6ee38d3994d0d135228619fde7af 63d04f170d086a6071137c1ea316d7a9 caa8333ed951d7229cb325f5529a795f 5e4264b7bca2ad703d8ba94cccd4d4ae 2304b08ccd1062d94a3f9762b8318b82 5da05e20e26902cf31db6a27376bcd83 03451fdc02611d5e4dfb83ec4eba46c8 2dccfbc5ec1b6d252000e175a070d82 87e741cbf89d366fbc3dfbca7d1b98b2 be587c33b07e57204a2ae89c0fcdca5d7 f1175b8e13961b21599114441034319a 248ba8c59ecb7b667be4e4995d46684 aab634ec9a8f83d77db4e6b639d489aa 9a62c8ef90c7ece49b559cc58d27ea5f 3b591843b741654e2d998f928bc1d7e2 7a8cab966443524e7aba30cbfff48b11 544bd6807bd8fe931267305dfef31a15 476da333dc0586ee3ff06f28539f6817 c688c429d8f4ce087779edaee5914ea a41c85d59c276b0fc82abdc159a066c2 89c4b955a5a899654c5df0341e5248dd 5c65ab1e2e38275197d0888c42a02c38 b76211af9e7d69b225d566afb035023c 59c8f443fe3926aad0803d94a66f2572 907dab7962708a5039d97ff42b8a4e2d ad77c20e5fa115603e0a4ff87dd1803e 75e3ed8575f08bef659270eb7ecffda4 8d5bf9dd8459e7124e7336ea267c323c ee14bd3b3ce1439627607392f773a66f 510f05a189c1d2ae13f36cb2641cf1e3 a5478898059bc8a1a4d5c5f94bdea22c 77e3d3e269a95100999999999999999</p>	<p>19325/17513/15766 kHz, 08-02/09-02, 1500/1515/1530 UTC File 04402, 784 bytes 0000031000000030343403200000000 455c57e3e7ed463f828c2f8bb18ea40b da80343da121c53d90e253859709c50f 65be5a3c9a8650304106dd8b2214a5b1 ca5c31036e2a1dc1fb2e027aed354a32 da2a7abcb4f6a0d535f4ef100522b2a2 73382a89e95afdb46f073b22d5724111 6e82dab96403734119db5ac71a5132bc 91a031f74383d422895a0786d1270443 7d795b775c07ebf9ea93b88f550eed2 a2f1762b2e06f58b2a6b0fe064ca4d56 2a9703edd1f00cf8ec49477debe314ac ec5b52b7e4dd98e376cea59e17ea3dcc 5a37f9c87e40c0aba47de9db37e13703 74e43ee02093d993d66fbc637928591a b6888a66a10cd5f5de032325da334e88 0766d9a02249b575f58cec05193788a7 ab8e28dcfbfffa2ca7031f0ba5dab1de 338de7a5aeb111dbc5b7708f8de218d3 6c1f67f0d356c61a52faab7171e7209b 4ddc4d500d13b48979d628416e04b7ed ede8001ff3e3b2fd76b938711682bd4b 6ca717b7094c48b68b25988b598f7b3a e867ce98a80d1b88ed63dd5876e60e6d 6b1773a3f3cc5e0fb730e715ee87dbf5 dbf1d43fc5cc42dfd67152a57261df7 ea2bb492a09668b4fddce2bad305b449 07ab36ab9fae4d9e92aff60df156d8c6 4cb351b56642bd38a15df788b0374659 71933c2811d644d3c93eca79e03d51c0 b956e4f322fb99a52d3e3bc1335d3539 e37654b578fa15ff659274052b9f80b0 1c8b2ce434831c766d5f6dd0ccb89f2 ebf90d06b662911894733e03c81cdd9 24a10cd7812c479b70f0d386f1ebaf81 d9921d8332ee6d89cafd15f6ab664873 46b98acd6ede03788d78819a9a3a77d8 c48d5d47d50e4330bba28c98d14502a8 b9c7d27bea161ae55ad2162cc54815db 850ac8210dc9905f6425d8d43993b297 7797314b64e33c2fb52dd78232ba2164 b9fc8197cddb9b4dc019fd2cce5406255 41c41c5bcfe9fc16be09b118a749983f c229cbde890bf6e1177cf8d3dc4d80e7 9ac1287da45fd2cdda3e359cebc3da2f c52e0fe33d817e1d6a7c6d742ad2de49 c9d20f35de1318fdb0f694f0cd07aae7 ab7ada4567715ab007b4f669ddfabb269 db11b2beff620ec22eb0a82b1e0a3211 2350dd5707c57b323a8cfba50804982c 9d6b120400999999999999999999999</p>	<p>19325/17513/15766 kHz, 15-02/16-02, 1500/1515/1530 UTC File 04403, 989 bytes 000003dd00000030343403300000000 f28ec5328869ab66e3e8e4c4e2349046 fc7edcd6d89566a8b9e591eae5a23de5a 3c75854161e08c60cf94113114ff4bd9 e764a387a5aae461baef4cc162a86e93 5167271a2483297abc37c2aac07f8d7 5d6b1b45dd15612e3b632f3f06b824ab 6fdc0ff0e89b58cf9543900ccabe27f6 5a5a87d36b8b0ba70c309102e02ea3b5 526470a68648182fc7bdfa0b01e71025 dc0d8d4f48d53137a3662256cb3834f8 bba5e4159b7f891d44405f4bb09a8c82 e67136cd359145faaea975fae859c1ee 7057670b8905ef182fa05285c451764 808bf254b531dfc2663101239b66dc45 3a4658497577b3377bab16efc9a7d553 b47192de0ff9ba1609ca22788d8ab6e2 e4547c84484363eeaeab9fc204d58b0a 914d4c5b5002b22d54d31617ab4329d9 4176fb65b1aeae4a1ce290385937a27c 25b5ebba453ccdf74e41028e2564b076 25b4628921ce6a524bd0bf5a5c8928cc 98f8ddaf846530157c9aeb26f146a37 692ca081cc8f8ec24585e6a6e3dcd052 f3821528631526dbedfcbce8c42cb1cce eb0e0ad2aeb0390a98a7a1100994ee9d 5b7527d8feb41d552f154a769a5a2d24 8a9e58f682c4aa4d567172fc2c697c6b f36140733480a93f562b4102b8e1a851 2d36a759ca34466315afbd45ee6819b3 e2e9ec9fa989800bfb143b0420d83ea4 bc44755ccd3997d7eec5cd3836f1059c 54c31ef7c4b67dd3a3cb4c39b0942a1 2446a95693e448e981a8cf992fb92782 76bb2d0cb0c09f94b2a30afb3592acfe 56d3898eea182b8cfe1d29d47c808f7 7dafd25f5e3408b887de81dd3fe518a5 4693c242648b3469de8fcee3079d6c0 9e922c688073ff8c6113400d4dc9c5b5 ef4365a255cb7bda77639aabe17f63d4 156bbcb928fb2ee066dff51a337599780 4db4e5d58353fef69a3f56594dc2460 22556a3cc5fc66d05af2a52a1b01168e 60ca1bf3c9fede6de62a802c28e93c6 067f80b9222d17475cd00fa458866d98 2f804309cb2cdfcaa464be5d3f534f99 092baa506af7d97d2c0f468493fd6d8e c1e0fe19429bea32dc541b040019d7a2 76b0fd3d2d3fa73705bde4b2b4d08891 240d4e1659facb854d8fe3795591d3dd 9b7aeae9a3f9fefa796a8ae9bfd7f9 693b9eefcccd735639404791cd62ec7c cd0657c7de4305d355763adda1da1650 a5b2b875de6bf7ed65255d973a8a70e3 61e8769ec3ed3ec4d97e9cef9089a355 f0d1cd8573ff90451c8e1e4ab25750ab b2c7ee3fdf13d5587eebba77b08684fa 680772dff5889a0e2b6266db916f239f 215ec6a98e5d7ad815ada5a23ddf5e66 2eda9e3d61db96ade51bf8ef74ca21c1 0f7b66cff04aff42f0484f0fb7f780f4 66e2ae4d7a9e293720c778a33eb42946 e3019d97e92a5a47e8d590d4e384d731 3a00999999999999999999999999999</p>
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19325/17513/15766 kHz, 22-02/23-02, 1500/1515/1530 UTC File 04404, 690 bytes 00000297000000303434303400000000 537df2517ec9983567be20f273916a30 836dee2ae2447807eb7197ef0d486a16 ca7e1ff992e17f3590c55c95c90bdc5f 22bfc9ee36a7781f0b3ff92908fb88d5 c7d68d4aa57b86c41a8ec3f54eecc3f6 75e891efcece8aeb713a4f7d3619d820 564cf38baf4d9958b054dfaa5bd081c7 f73939d042966bfa4b28d6fd51254fa1 3579bb9c6ce0c71b82e822bf8ca31fd9 2b171a2cefb3fa904a63b03058f9873b 260dac4e5b9242ea44aedcb6c1aa4967 94faef8ef8ad3ea5a6d9e10f8dc0be01 f1cbf669bf9361572f9d4781207a4edf bc6fda7942df5fe3170b530976fbd63c 61882ba9a0e99ea7fd417c8b10fe21e5 30185f627578a9acdb11d400df7f5469 453141bccae99d4f0ba7cad3e735c4e 80a965b1017c8d11b592144ad6736239 70c49246cbce148ccbbb29399a6c3924 43ea39c316c1a0dbebcea8b1ad54cd8f b854dddef88cf630d68e4bf259d198a8 10ba8beaa9f49b8646960a73faf20984 f907430e68fc49d6dd0d8c11f3dafc4b 85086f6b74935a411550974299712966 12194c56f6483d4731a87d4125168fb4 42da5e7ff5f3dff02af69044a74be8b4 e5d9e029426d2301a46490a4f0681abd ed4733536d3a4d2ada151b14874ba424 5aa84feeaf3c73358fd81dcc97060e75 2f7e3008e163ed3affd040bfdf915e9e 5cff4a00655bc7cace2f5ec3a37a801f b4bff8b31b3e2d21f8ddedc79b92bc3e d967e8ae4f44df58c12a7303e2a32531 2d5f935da96f9d93a684f323e8170855 c481a43b1d439c2e4c1d607e62b25b56 50c76e03db6df2f56fa4083d383c2f67 15fe5adf4279064dd6f00b96792f206d d6735897c88203653eafc4f34470c42e c7a54ec4f5dd476a4d1d3f26bff41987 7bf487fe49cfcfb280aba5970379fb96 d751250a3238aeef1fb6ac77102f8eec 00f09210fb47765f28320b0099999999	19325/17513/15766 kHz, 29-02, 1500/1515/1530 UTC File 04405, 864 bytes 0000033f000000303434303500000000 6c900a7e0d0a0d0a0d0ab2869aab5ab3 3729f764386872fbb44f87f09f837452 497ddd7ad58b417014d57ab776bf2a81 fe4b0981575678e58fbdd21d05e44e87 9218851c09c7d5bf80934ac207aab9c5 c7f62d04a40df5b6daeeeb1440eef526 12795f79817101455f5a14bfaba2f791 cca4abb0c9465e19cb4d6f1fa9bbc354 5edc7f45a2e1628103175eac3322289b 78d4ddab657dfdde4bcc4d6e0ba666d9 3b820798c7356d136e3c416ae7e8e53c 6d0a327e0cf0eff6f7dd8914a650e01f a5b132ef3a4f6abf58bf6bbe7ff71973 7fcc2d1845a225782279da082f9d8837 c9b14b2a3fd5736e2d1b1f522b9507e1 b6a565cc8b5d64a0d01c8e26ceb708d5 0bcfb48c092f772e0c4c32b28c4d41cc 5025844f4caa47cbbcc5822d1f095e4f 015de2bfc38b3b2ec9d60e50b9edb01e bcde4abcedda397d53f92cbf3244dda3 75ae5dce88db55c3ebbeb0803b889063 a0678a91c4ff7d5cb7bf94658a5c2b6f 671ec2296bd43167ae8eab7e107472cf d45b29b01cf22934bda45489218a42f7 0807c3a670ef0eb501542564ab4b3a36 65592460344e24f2efb89d7b624a7124 c0cb237b906bff6f89a2d636f2ed2113 9205884a3f722da98b8e336d2e5d5a80 29d0bc46b948ec7a9c8e0ed73f7bb282 d2057a7d6681d691813e6d78d7c8f43b 117d7b06cc4c91dd47b2ae11605ccf47 cc032e6bc16482037865389528d2892a 7b41611f9d017bc7492c2c92973aabc6 5cb0f2eb62c66c7fc92213a55b08b6c4 9e8b815bf5b31086159e91ea9904cf09 95be22354a15a1a7821a126b203b6f24 e5d206e593758691d32d7c9093ed17bf b9e333ea718703436574de8e9c7ffa0b ed8e2c4d261ce98060851edb206ab338 42dcaa0bc211463ce7dcb099682df1dc 8a3b44875541170f49d23e095437286a dd6723fd1c70f4a231835bfb8ee0439e c25bb2edb742c420d3c7343cb4524ff0 69464d8c53236ba6211c41088f7a31fe d074f039db4078b6f699f0793bfd5306 fc41ebe62c6edba149df5af65f20534c 230d8b8d41208efc5d04f2a857beb58f de23d29d64574b0def8832e26738927a 5cb3226c5f8d363d67445197e9614910 8cbbefa6aaab93870b57eaca82712d21 52f96cbf9df472ea291bb6f849f337b3 b6dc405d9ff960d44c11349100bab67c 11723100999999999999999999999999	Other F06a schedules. 6909/5796/4839 kHz, 13-02/14-02, 0500/0515/0530 UTC File 44408, 1124 bytes 6909/5796/4839 kHz, 20-02/21-02, 0500/0515/0530 UTC File 44409, 852 bytes 6909/5796/4839 kHz, 27-02, 0500/0515/0530 UTC File 04410, 954 bytes 9064 kHz, 13-02, 0750 UTC Header 44400 10129 13495 13007 00009 File 04407, 500 bytes
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X06 logs

11514 kHz, 14-02, 0954 UTC.

MFA Moscow clg 124356: Russian embassy Dushanbe

12215 kHz, 21-02, 1002 UTC

MFA Moscow clg 361245: Russian embassy Copenhagen



MFA Moscow clg 361245: Russian embassy Copenhagen

X06b logs

13387 kHz, 03-02, 0700 UTC

Sequence 111666 before XPA2

8147 kHz, 07-02, 1548 UTC

Sequence 111666 before E07a

9347 kHz, 07-02, 1549 UTC

Sequence 111666 before E07a

9326 kHz, 09-02, 0629 UTC

Sequence 111666 before E07

4739 kHz, 12-02, 1919 UTC

Sequence 111666

9347 kHz, 14-02, 1522 UTC

Sequence 111666 before E07a

9347 kHz, 14-02, 1525 UTC

Sequence 111666 before E07a

8147 kHz, 14-02, 1525 UTC

Sequence 111666 before E07a

13397 kHz, 18-02, 0704 UTC

Sequence 111666 before XPA2

13397 kHz, 18-02, 0706 UTC

Sequence 111666 before XPA2

9347 kHz, 21-02, 1505 UTC

Sequence 111666 before E07a

8147 kHz, 21-02, 1505 UTC

Sequence 111666 before E07a

XPA1**13397/14413/15972 kHz, 04-02, 0810/0830/0850 UTC**

143 143 143 000

05111 00001 00000 32256

13397/14413/15972 kHz, 06-02, 0810/0830/0850 UTC

143 143 143 000

09210 00001 00000 32262

13397/14413/15972 kHz, 11-02, 0810/0830/0850 UTC

143 143 143 000

09946 00001 00000 40665

13397/14413/15972 kHz, 13-02, 0810/0830/0850 UTC

143 143 143 000

02317 00001 00000 36253

13397/14413/15972 kHz, 18-02, 0810/0830/0850 UTC

143 143 143 000

02875 00001 00000 37661

13397/14413/15972 kHz, 20-02, 0810/0830/0850 UTC

143 143 143 000

02866 00001 00000 40260

13397/14413/15972 kHz, 25-02, 0810/0830/0850 UTC

143 143 143 000

05034 00001 00000 33260

13397/14413/15972 kHz, 27-02, 0810/0830/0850 UTC

143 143 143 000

02092 00001 00000 32263

XPA2

16146/15846/14446 kHz, 01-02, 0910/0930/0950 UTC

07586 00001 00000 36667

11461/10261/9161 kHz, 01-02, 1600/1620/1640 UTC

07117 00285 63301 79760 43528 89907 53310 46347 31760 71440
73442 97352 15390 66324 55347 43383 57877 86747 87630 04842
74023 41108 01381 40444 31747 01118 39135 85634 15619 96293
88921 27441 17765 63153 52875 55428 93787 78321 35955 80699
03965 79481 60326 13782 49076 64016 42128 57176 85411 26056
75074 58107 45520 32753 52985 28725 93899 04806 50626 59181
99950 87298 49617 87867 76525 47096 51031 20446 50841 94590
10018 16423 90946 44805 07475 84945 30562 14507 17543 20942
07418 77289 76111 78315 37537 76132 27260 95718 47035 40785
23559 95176 00132 81693 87521 66274 00618 59220 32338 06403
05025 64183 21793 33687 64505 76260 70457 54191 17227 16146
15457 49287 80907 00008 32735 56810 56799 43714 61766 87086
18617 52532 90289 93276 35356 61935 10168 09842 75049 14630
65343 33790 53112 97157 19641 39186 06760 86748 53980 28112
35024 32279 48506 85189 57421 58357 49663 39794 36342 69845
06250 71751 51948 14279 51993 87976 61910 08381 51605 15193
82043 18754 22984 93098 12131 45321 13770 36092 60012 64608
71590 59298 19212 07008 53717 67811 79803 15317 94393 43563
94482 31913 52074 32810 97975 92887 54730 33412 42959 26188
39701 15904 07804 49159 85748 55019 46920 02626 74764 63559
30973 32213 82053 02711 30037 06292 23881 84858 80810 97059
96123 08113 92322 75260 59477 41070 09036 90374 70403 14128
65384 09085 95760 05496 78075 42503 87742 38036 59573 09644
84650 61951 72827 25127 89732 56989 16644 49901 39558 52713
08282 33039 87137 33332 91181 65979 19376 67261 40732 01677
06323 51196 78071 65528 34322 47310 01493 88953 02604 23531
76763 77469 19254 47737 00659 91350 09633 24045 84832 95359
21569 42928 33787 44159 66366 94528 74289 08857 92270 67474
91780 49950 75499 15630 82252 23504 36108 56456

13387/13887/14787 kHz, 03-02/05-02, 0800/0820/0840 UTC

00173 00100 18237 71771 53072 78510 12011 06501 08610 68220
23355 68274 85127 82598 79587 64799 93171 10494 43194 54012
45977 18699 61601 26649 18655 25105 10515 18227 38947 92661
45573 64972 73166 74554 63956 93179 87863 83625 77887 08722
16813 84428 60111 18728 29701 17553 52043 88670 67843 66621
28670 04566 45709 49390 08272 49871 27300 29423 11548 69861
17655 30377 63626 14213 41388 33454 70104 72683 59727 90770
85555 21595 95695 31431 54880 55700 63504 28454 81915 10014
02183 40759 61514 65500 16424 83051 51944 73508 98103 50750
88813 83658 07917 44806 67347 57118 84566 19325 71661 54072
64560 79044 76511

16102/14951/13991 kHz, 03-02/05-02, 0910/0930/0950 UTC

06333 00200 25899 81341 34033 45204 31202 01006 49296 21012
18168 04884 53911 10797 74700 01234 51658 61076 20849 88771
79785 30807 00580 78415 37350 15741 38725 79088 77787 29411
61299 67756 07082 67572 07175 24202 42788 41756 13229 94375
99606 70382 08781 28465 42568 49188 83061 96643 14797 42320
44676 90223 98873 76129 15891 49945 08172 43978 00272 37787
48142 25382 29661 66037 27093 55056 41971 92835 94322 36277
90900 69422 97939 96831 79979 33811 22374 69755 38128 48067
28167 27315 70306 48469 34469 24027 74770 37129 87185 35726
94682 55109 65645 61285 37183 31750 98157 71033 22051 88251
57861 76276 88567 27725 80962 43259 68232 41135 43003 34292
29181 34456 10145 16032 99156 70312 51805 34617 49058 36136
66461 62736 15481 21749 18225 14721 48245 78674 21347 34374
97249 74501 10783 67024 80352 43744 19720 99580 35134 22935
66129 69736 97028 04335 54150 00349 17889 62726 51260 18432
09128 97859 65127 01037 11805 23146 20072 07071 82455 37016
84095 23709 61988 39669 57610 56285 88824 79787 78131 81085
31291 03357 23030 31847 35793 28532 90441 57726 37435 90016
76756 31599 96994 95348 79314 27269 58698 50778 06242 78909
51081 75903 59894 14603 06879 86388 44115 25883 85560 86748
68493 88546 05560

11461/10261/9161 kHz, 03-02, 1600/1620/1640 UTC

09426 00001 00000 36263

11163/13363/14563 kHz, 04-02, 1200/1220/1240 UTC

06665 00096 30203 24110 75158 39431 87576 71333 77796 34386
71951 34141 78426 90725 80926 72645 90145 61918 94329 11907
15651 63279 63510 55585 69496 81537 10998 44456 29715 06141
97019 87029 81157 01495 42478 96221 78927 70592 57455 52997
17373 66182 06612 56527 81109 73960 16245 32936 18733 27327
25761 21543 35744 27469 78070 26955 67674 75799 56600 98804
56678 72466 14245 73550 68739 80480 34173 80975 90285 99300
29972 07742 95360 64933 87681 08914 35344 45671 58492 46871
43103 15794 01968 04774 14605 48869 53575 66464 94114 66697
85048 07443 60403 29656 43565 28769 27626 95138 11632

12173/10373/9373 kHz, 04-02, 1600/1620/1640 UTC

00340 00001 00000 33255

11575/13375/13975 kHz, 05-02, 1200/1220/1240 UTC

03399 00001 00000 37264

16146/15846/14446 kHz, 06-02, 0910/0930/0950 UTC

03119 00000 00000 36254

16146/15846/14446 kHz, 08-02, 0910/0930/0950 UTC

09140 00001 00000 31665

11461/10261/9161 kHz, 08-02, 1600/1620/1640 UTC

05650 00001 00000 34262

11163/13363/14563 kHz, 09-02, 1200/1220/1240 UTC

06665 00096 30203 24110 75158 39431 87576 70333 77796 34386
71951 34141 78426 90725 80926 72645 90145 61918 94329 11907
15651 63279 63510 55585 69496 81537 10998 44456 29715 06141
97019 87029 81157 01495 42478 96221 78927 70592 57455 52997
17373 66182 06612 56527 81109 73960 16245 32936 18733 27327
25761 21543 35744 27469 78070 26955 67674 75799 56600 98804
56678 72466 14245 73550 69739 80480 34173 80975 90285 99300
29972 07742 95360 64933 87681 08914 35344 45671 58492 46871
43103 15794 01968 04774 14605 48869 53575 66464 94114 66697
85048 07443 60403 29656 43565 28769 27626 95138 11632

13387/13887/14787 kHz, 10-02/12-02/17-02/19-02, 0800/0820/0840 UTC

06326 00074 71644 59154 58522 16396 95697 03798 20909 91993
39876 56285 78433 69774 24216 59811 40449 27223 74664 87417
57377 12197 60694 31762 76428 54098 98069 97832 22378 23418
72261 37488 06128 22565 60361 57744 30508 38075 23727 92386
07678 29278 94770 27454 12012 47509 56515 73419 58144 71176
86490 28024 01779 87707 43963 44735 95253 60489 25641 46199
02676 43919 22188 34377 34894 15418 93806 40555 41408 43834
73069 94418 25708 54914 10788 84458 53063

16102/14951/13991 kHz, 10-02/12-02, 0910/0930/0950 UTC

09300 00120 54034 26835 33950 85090 59039 17990 47042 57877
07517 95573 52566 96311 97872 49912 74608 48755 80676 02729
58332 20291 54224 64170 28084 94166 68095 88718 74177 44732
43348 27988 29254 18132 97183 63112 23868 02691 77498 48869
38427 82720 47188 64237 60705 75805 33377 50177 48299 24621
08117 19135 98165 33680 84236 52882 77863 62430 36649 82222
92142 87818 92986 41925 68297 58728 10750 97264 44625 60733
49789 09993 50542 37375 22232 23027 22428 42508 99189 92075
67941 70525 22303 22600 30840 57374 96628 94688 36371 63423
10239 44689 97826 55109 16953 82542 66035 94240 29598 94531
78221 53653 07611 79061 62392 45381 10011 144907 1222 60395
72735 56217 95753 85991 39739 19719 20753 27630 29651 54378
76099 74630 63422

11461/10261/9161 kHz, 10-02/15-02, 1600/1620/1640 UTC

00141 00214 76629 21521 29890 24075 12913 13604 82614 31411
20655 55769 21255 96014 69330 27873 95052 74104 43482 63606
09211 97100 27354 12701 59721 61715 17183 30526 24846 47277
17884 98944 25341 91095 00020 93888 42071 19520 03368 34815
61681 39339 13855 58722 50336 56675 03817 72921 35775 24379
93578 49703 73790 85935 90107 08485 60021 85983 32823 23159
90914 88809 35713 64343 04433 34255 81094 10550 87054 45808
53166 10328 34010 10408 68915 10562 08727 44263 99769 96262
35268 40490 06172 49987 26801 72495 16721 13622 05867 18513
12852 95068 68654 60306 02513 73019 05130 29792 05662 19338
62523 48316 13702 50156 82607 99090 46763 49360 82547 62445
15151 15036 81106 40762 60489 77642 77085 87215 04913 55551
00546 23762 16651 88594 03192 88585 62091 40055 72876 59918
36527 36627 18030 61518 26977 42795 27562 12920 35362 85841
25186 79470 01169 88439 07001 15762 64268 40859 47697 81957
57529 81267 60150 20763 92535 67452 84046 77669 59519 02954
96737 66254 52610 63824 89342 52046 54679 53047 39361 85279
63154 71009 12101 80613 57188 27827 49005 41900 65603 01617
97804 39039 18833 78175 23372 93496 99466 19874 40447 15137
64513 54380 61723 81035 64225 31688 16218 20933 44170 07289
09117 40782 44640 44511 99223 91606 84907 81239 87508 93981
13750 78476 25798 02720 47742 11011 61445

11163/13363/14563 kHz, 11-02/16-02, 1200/1220/1240 UTC

00325 00188 81489 60683 51619 94720 35414 96108 37657 54425
27590 22100 24605 18138 94291 03557 05966 02160 48493 44157
98104 05879 28133 35852 42370 67887 75718 23841 74838 31516
13331 84395 53901 88485 93124 04446 35768 74841 31331 70745
99503 14782 40916 76934 73035 41541 11615 26957 55124 59504
71765 44726 59049 89533 12255 28286 01386 74905 32259 33343
68156 11502 00657 36096 61177 09716 83782 55534 31192 17409
05696 73349 22423 31997 41066 55311 08932 15440 04179 65851
41827 79735 91586 86855 19468 96797 70761 61564 39862 63514
97204 59157 43613 11082 29568 35425 91392 98793 62007 91535
25234 91531 86954 06256 00621 01965 18687 78287 55869 27537
51818 89997 42421 49967 64430 99440 82880 76653 64663 19372
77739 05125 17168 01407 63733 58068 64835 73777 61761 30497
20714 84659 07809 44581 45747 48503 45504 94934 50526 97585
93049 86660 36031 98356 25745 83331 98020 35632 64611 57393
94438 33005 37065 99981 63124 37991 99759 66607 02924 52974
34796 18729 91607 72404 94669 25792 12845 64925 05037 54291
51025 03845 39492 22735 53790 59739 85093 02150 16846 68280
42881 50990 44262 11719 41564 54428 25690 55219 81559 38034
00271

12173/10373/9373 kHz, 11-02/13-02, 1600/1620/1640 UTC

06010 00189 17338 88448 23584 20022 82007 22072 14085 29701
98376 44578 16659 46838 18715 03709 31302 10803 69864 76474
41190 46176 03948 89925 71502 05689 73403 13285 82994 97297
49199 77790 91685 32332 05358 98153 86576 94307 49925 24114
09344 61186 90716 45870 32996 42968 88671 73642 05230 00361
17177 86009 75354 19290 50408 28615 80571 97578 43155 57476
31528 62530 28389 90336 23153 98630 22574 61210 17260 49947
82269 09310 53516 02564 14504 17328 41590 09417 50702 77058
70356 88892 75527 90437 95090 16884 60765 49419 79293 79089
25370 46111 13794 39625 62430 39306 02478 62825 31103 43671
59187 48730 30294 67088 58022 29997 45315 14498 19860 08927
95302 50425 47995 66419 80964 07656 74226 37768 80490 65314
13148 43298 82190 30114 46393 26596 55803 11841 44581 56345
55344 47587 72631 04293 85026 59973 67789 77330 30906 73130
61219 56877 45174 52864 67904 23750 65417 78977 72649 91816
38101 04929 31750 88325 73350 98260 91831 12091 60901 91637
01309 13516 85936 64085 34871 48990 20808 21125 18893 57013
87501 52813 08798 73631 02226 44037 44021 67655 42543 94740
78417 58785 49790 56457 12600 31707 47397 33876 27767 45062
71796 75422

11575/13375/13975 kHz, 12-02, 1200/1220/1240 UTC

05799 00001 00000 41266

16146/15846/14446 kHz, 13-02/15-02, 0910/0930/0950 UTC

00416 00088 76667 74544 73495 46756 33956 577192 2060 78589
53458 97916 73039 77296 80337 82244 65014 06769 95781 75597
70912 68799 34105 12818 55881 12840 62039 97704 42301 31033
49713 99914 31442 03107 81280 42695 88281 47738 39983 45525
10141 79761 45194 02376 61941 58186 89454 81822 41896 90584
45975 76254 18631 71554 17647 58364 66223 52387 60035 11469
98900 73098 98057 86676 56536 23330 02092 89335 16894 88815
51843 40705 18169 34695 17526 43680 28870 44556 07365 09561
42930 52746 10516 67553 29637 90262 87911 08927 68384 05910
50220

11575/13375/13975 kHz, 14-02, 1200/1220/1240 UTC

04004 00001 00000 33254

16102/14951/13991 kHz, 17-02, 0910/0930/0950 UTC

01258 00001 00000 36257

11461/10261/9161 kHz, 17-02, 1600/1620/1640 UTC

04172 00001 00000 32663

11163/13363/14563 kHz, 18-02/23-02, 1200/1220/1240 UTC

00295 00198 38190 49918 10163 40181 94048 97870 42513 01439
23147 73077 22135 27138 03028 53023 67489 90184 26042 72026
86895 60703 30782 27760 48138 33164 24890 08175 88396 91029
84678 27232 01679 60780 03032 05461 95144 90992 63232 13234
06352 39628 64437 20240 73856 44866 00916 66340 21381 68547
38135 35627 85938 45263 62235 33615 75343 28959 74947 69935
85245 77018 75264 29748 97663 66338 56087 89417 70747 63641
90342 43244 74438 45009 49951 53093 84087 90503 40297 19161
81042 35292 99796 50651 87844 94984 37151 53463 76771 39448
57777 40528 25873 28545 82298 99617 61203 20483 73364 76351
32961 78386 44663 81298 55353 25383 27335 26814 84981 60362
69889 24198 14234 56989 18294 00967 30086 49326 21553 19609
80838 85918 04975 86722 55806 16587 09935 55328 67921 35357
08128 48682 82249 88879 59343 00233 34983 06539 93889 85222
07115 43595 28433 57939 29227 31931 88806 07223 47018 48229
01403 17236 48143 91872 10158 22313 60619 19841 36191 81275
17838 29587 56614 62329 53237 84004 53778 98862 31254 53113
63394 90722 70104 98306 16026 12470 01339 67665 35367 23129
01019 01184 16540 55513 20946 43928 58365 71496 95867 20318
63195 17693 14331 27661 43525 89583 51112 40076 06485 97403
53757

12173/10373/9373 kHz, 18-02, 1600/1620/1640 UTC

08650 00001 00000 34265

16102/14951/13991 kHz, 19-02, 0910/0930/0950 UTC

07647 00001 00000 37663

11575/13375/13975 kHz, 19-02/21-02, 1200/1220/1240 UTC

06981 00220 74718 00058 60600 77792 96804 37041 88686 68894
11290 94245 23031 83268 62803 47804 87983 17867 26788 56135
17234 28036 50720 41749 75021 80074 05702 16516 99698 07437
45789 42918 39305 40662 02103 20247 48178 56940 12552 94658
31188 61156 21398 35361 06023 44884 16010 55928 58369 72751
29387 24270 74330 81831 44481 08774 66963 34385 83020 22732
05312 03582 54330 86198 20089 58577 89498 96782 53851 13354
50215 36586 63963 28139 23087 19031 57356 89463 60153 99824
64853 27320 70788 58375 91624 15076 11935 10869 00149 36105
95298 19678 32572 74726 48580 14041 25516 82357 68377 23961
56830 55326 73676 43460 77366 05104 85763 02366 99634 40007
83887 25027 86951 72621 09660 85022 54813 84126 67049 00617
84784 00854 26698 16208 19376 99233 19273 97630 52752 19174
14138 56002 41597 91096 52374 77868 12671 23173 76466 51480
35925 40958 65136 60919 75611 73648 69065 57324 34747 10766
17835 08634 99274 73230 95993 20055 92387 59858 52188 68139
31057 64796 30479 64453 76849 41155 03300 35302 14493 79558
70930 09452 45248 69391 08785 05044 70394 51644 98446 09376
37886 45497 83938 39807 51776 86385 66227 03414 32513 92512
90777 59059 98891 07802 31350 90421 61994 94588 16790 22224
13500 46210 23845 96395 53602 98546 69353 80178 14119 16136
03114 02595 47598 95430 69765 18954 40025 13515 76696 85273
55958 61967 61067

16146/15846/14446 kHz, 20-02/22-02, 0910/0930/0950 UTC

08170 00120 95846 78016 41112 18455 44981 37919 42917 59082
16369 31501 69199 13853 33821 99762 59563 01693 21691 44441
39410 61606 77654 32069 30655 42400 64592 01362 93616 10785
86898 69124 09785 86007 28216 52613 25805 96246 08307 38615
37088 55396 48788 85914 31908 81250 65841 05191 58889 35986
98987 72622 31375 79848 15175 54358 04854 66322 08675 37565
07785 17609 11788 64515 24937 31912 78942 83572 24266 88093
06865 68758 29215 20952 11392 38783 79912 26231 88311 78988
27356 56678 07482 79099 89650 10217 26350 25913 00827 64722
86879 50847 97806 25327 45613 10832 19178 45529 05400 50085
86641 94667 48822 36606 80621 37510 36002 81622 51608 44404
34070 68449 58302 41343 88947 03089 62705 40192 60138 63742
87828 93828 41776

12173/10373/9373 kHz, 20-02, 1600/1620/1640 UTC

08217 00001 00000 35661

11461/10261/9161 kHz, 22-02, 1600/1620/1640 UTC

02055 00001 00000 33657

13387/13887/14787 kHz, 24-02, 0800/0820/0840 UTC

01544 00001 00000 35655

16102/14951/13991 kHz, 24-02/26-02, 0910/0930/0950 UTC

00205 00098 50069 83589 14492 84568 81597 60187 13258 66328
08224 58974 96435 61211 43311 01584 74971 10009 49991 58139
15071 27702 40881 74521 97986 52798 14910 86146 44685 55818
69363 36761 77377 40199 69597 90532 58348 23223 41202 95058
03616 16178 03143 71800 92932 00741 79562 94718 59174 87178
01390 78021 47893 42873 80362 32433 85146 15174 61748 10235
81187 76227 47265 32763 56489 18590 38454 19628 40536 96205
92542 84779 60586 43972 58384 17601 01519 41169 07238 16146
07055 06575 29543 19416 82291 23938 97769 96614 09090 72708
05253 48178 45074 96176 88593 67869 34028 55083 85807 57077
43714

11461/10261/9161 kHz, 24-02/29-02, 1600/1620/1640 UTC

00360 00266 00592 14671 63364 09978 32350 93931 90524 63657
04959 21285 74317 78406 81133 32398 33980 91683 49993 14046
24346 67551 32750 90210 00397 35907 34978 59266 87092 15185
29045 14008 80911 19625 72194 50735 95997 07816 98898 99036
32562 32319 82377 80627 19972 77350 68833 97319 06004 60803
49170 19816 17614 82154 78240 33227 58095 81388 50805 94938
06959 46146 96499 48441 26288 42409 99481 10196 44446 60189
75280 08378 80271 03516 72180 71478 36521 03069 38676 64444
40690 03305 91647 66777 14910 65009 13461 87716 25124 56525
54069 62587 34718 37621 54576 68188 48719 29042 46415 20136
88993 06428 76055 86873 02306 87656 98753 07020 53775 88541
88512 50881 23606 21624 45359 79827 90110 16960 59482 93348
82347 37912 48292 69467 14763 36926 17336 13282 73403 82916
67500 71799 82350 24172 79218 69046 85455 18654 67508 41325
70290 96115 64932 34790 87145 68932 73956 87521 50526 24614
17180 83583 75901 09371 86566 69601 91987 31308 87944 77617
58739 41130 06450 56494 72036 16029 79311 18744 64796 49074
36772 34064 27261 22229 13610 03330 17757 04292 70970 33326
92483 26316 94732 60176 62441 94312 11729 50196 26364 39984
46022 46372 39768 98169 75274 13613 11414 35974 07005 26707
19156 45560 22034 96448 72549 32985 92487 18588 99112 58031
21266 83803 59516 35826 78530 31005 33764 81176 20609 99518
15070 10643 39544 29435 31478 70316 46142 75595 62085 68681
83626 32832 80228 06768 23599 13668 76847 72221 10347 40127
73452 24792 13616 34992 56219 49572 49082 60018 24275 76062
18968 72542 39015 93222 22808 70949 45102 32747 86542 20132
87110 83271 86960 70220 04955 19522 83528 30345 26756

11163/13363/14563 kHz, 25-02, 1200/1220/1240 UTC

07372 00216 54230 44200 74302 04496 43417 02327 70023 97541
63253 23929 38642 55596 37015 41727 07056 45541 74603 35103
06947 36519 00947 27396 55965 33891 82141 48486 31820 29682
40294 56185 87796 66664 24515 30288 99499 00070 34998 06895
96108 20735 23219 15251 98801 23261 24624 72436 17812 12521
41088 04165 07438 47415 82147 12617 80064 73415 29088 51728
42554 55444 85306 49868 23896 98185 40496 55380 91238 04861
59942 83095 66430 12336 42603 98469 74054 34742 87828 20435
63728 27907 17172 52740 06672 86979 52547 45886 87504 76603
07504 30351 24420 57228 71013 09661 87147 80337 82442 93957
07986 45441 93983 51552 54114 39409 31801 91953 46925 24145
58840 10418 04019 99364 35511 64913 20701 13871 29939 22465
97013 79774 78579 03371 79224 82402 71011 68391 28882 84982
20317 45737 70091 72220 96983 61426 62549 26343 90186 57603
44946 51693 45081 72688 33315 27737 06058 77885 84799 42583
65297 13284 47832 31186 47969 26078 58129 77930 44247 30209
44404 47497 00783 20199 46124 43579 56455 11688 87190 82428
01431 78620 25546 46825 79841 35406 53693 02604 75313 59177
11087 13550 80973 26074 00025 35844 63590 64121 23031 65275
66874 71075 90651 19069 70713 03155 88319 45910 64061 41512
98800 45350 79358 73049 53930 74582 06599 52569 23879 77068
89571 95047 78717 02770 93108 55734 38296 69541 35320

12173/10373/9373 kHz, 25-02/27-02, 1600/1620/1640 UTC

00194 00103 63567 07253 01877 29994 10149 81447 04304 73373
34614 43797 80232 49432 09013 60761 29377 03544 68817 07130
64588 15527 37055 02837 41742 11194 31976 81391 07144 85093
05574 76998 90693 96701 92325 86305 66200 73458 95847 69123
40234 17344 76326 67529 50171 33076 77634 00023 79799 57268
86967 35269 14291 88022 57240 77593 50860 60599 76656 86413
98617 00411 63673 65564 63059 44531 77702 75805 78089 06025
84461 54306 21187 03486 86444 73384 06259 62144 60795 32584
37946 52729 10967 36111 32091 55401 27178 01104 00824 85031
90612 15922 22223 05260 38532 09030 14875 43617 90622 72137
46001 77208 69449 88659 68908 14640

13387/13887/14787 kHz, 26-02, 0800/0820/0840 UTC

01869 00001 00000 41657

11575/13375/13975 kHz, 26-02/28-02, 1200/1220/1240 UTC

06570 00180 29743 74964 59071 68435 27477 00216 81887 61600
02442 24069 06052 72722 43957 49765 24484 85394 66147 46557
72170 47233 03383 11160 74336 77707 55502 25273 87777 49716
51883 60944 25884 90336 25180 10468 87044 40425 20544 61987
40975 50298 32387 94461 39476 68381 48566 03835 88684 28835
70092 79244 17739 70320 06495 88709 47876 66465 46199 60219
93402 22630 93359 32022 00029 44199 79009 13720 27537 78732
41659 91154 72914 83738 22325 73002 28358 27422 54857 59605
36007 91493 46448 35998 36673 90790 41888 14024 91155 85564
32493 61028 32137 97955 90886 35216 56421 88766 51504 16606
42533 66171 06393 98217 14807 77922 54007 00123 93200 05749
00587 50511 04604 61604 93758 41607 14855 36554 06582 96069
58877 16800 60674 30958 91748 97209 44010 69313 31972 50200
07692 95408 84400 88794 46987 39295 89391 82524 32541 57532
58477 89372 38073 07654 60736 66134 56458 90888 14773 22921
59667 07924 38045 82597 50760 79806 02264 10650 10855 34549
51567 11508 16046 26455 77619 21860 00092 47818 25319 65096
52576 40296 50177 77971 00617 32622 67202 90940 04971 87928
62414 96521 52013

16146 kHz, 27-02, 0910 UTC. Unreadable due to radar interference

15846/14446 kHz, 27-02, 0930/0950 UTC

08094 00001 00000 33271

16146/15846/14446 kHz, 29-02, 0910/0930/0950 UTC

07605 00001 00000 33657

XPB1

8064, 7964, 6964, 5864, 5364, 4464 kHz, 02-02, 2000, 2010, 2020, 2030, 2040, 2050 UTC
8064, 7964, 6964, 5864, 5364, 4464 kHz, 04-02, 2000, 2010, 2020, 2030, 2040, 2050 UTC
8064, 7964, 6964, 5864, 5364, 4464 kHz, 09-02, 2000, 2010, 2020, 2030, 2040, 2050 UTC
8064, 7964, 6964, 5864, 5364, 4464 kHz, 11-02, 2000, 2010, 2020, 2030, 2040, 2050 UTC
8064, 7964, 6964, 5864, 5364, 4464 kHz, 16-02, 2000, 2010, 2020, 2030, 2040, 2050 UTC
8064, 7964, 6964, 5864, 5364, 4464 kHz, 18-02, 2000, 2010, 2020, 2030, 2040, 2050 UTC
8064, 7964, 6964, 5864, 5364, 4464 kHz, 23-02, 2000, 2010, 2020, 2030, 2040, 2050 UTC
8064, 7964, 6964, 5864, 5364, 4464 kHz, 25-02, 2000, 2010, 2020, 2030, 2040, 2050 UTC

15814, 14814, 14414, 13914, 13414, 12214 kHz, 03-02, 1100, 1110, 1120, 1130, 1140, 1150 UTC
15814, 14814, 14414, 13914, 13414, 12214 kHz, 08-02, 1100, 1110, 1120, 1130, 1140, 1150 UTC
15814, 14814, 14414, 13914, 13414, 12214 kHz, 10-02, 1100, 1110, 1120, 1130, 1140, 1150 UTC
15814, 14814, 14414, 13914, 13414, 12214 kHz, 15-02, 1100, 1110, 1120, 1130, 1140, 1150 UTC
15814, 14814, 14414, 13914, 13414, 12214 kHz, 17-02, 1100, 1110, 1120, 1130, 1140, 1150 UTC
15814, 14814, 14414, 13914, 13414, 12214 kHz, 22-02, 1100, 1110, 1120, 1130, 1140, 1150 UTC
15814, 14814, 14414, 13914, 13414, 12214 kHz, 24-02, 1100, 1110, 1120, 1130, 1140, 1150 UTC
15814, 14814, 14414, 13914, 13414, 12214 kHz, 29-02, 1100, 1110, 1120, 1130, 1140, 1150 UTC

DIPLOMATIC STATIONS

Egyptian diplomatic stations

10961.7 kHz, 09-02, 1955 UTC, SITOR-A 100/170	MFA Cairo i.p.
11171.7 kHz, 09-02, 2010 UTC, SITOR-A 100/170	Egyptian diplo clg SSTE (MFA Cairo)
11046.7 kHz, 10-02, 1735 UTC, SITOR-A 100/170	Egyptian diplo clg SSTE (MFA Cairo)
11067.7 kHz, 10-02, 1956 UTC, SITOR-A 100/170	Egyptian Embassy Havana i.p.
5729.7 kHz, 12-02, 1919 UTC, SITOR-A 100/170	Egyptian diplo station clg TVVX: Egyptian embassy Algiers

UTILITY ROUND-UP

North Korean military

3750//5721 kHz, 20-02, 1702 kHz. i.p.

FFL (x3) DE FZL (x2)

QC05 Q... K

Propaganda

Russian-Ukrainian radio war

7055 kHz, 01-02, 1054 UTC. Various stations on top of each other

7055 kHz, 19-02, 1434 UTC

7055 kHz, 27-02, 1214 UTC

US Joint Chief of Staff Emergency Action Messages and Foxtrot Messages

Frequencies: 4724, 8992, 11175, 15016 kHz. Logs in red were sent on 4721 kHz

Date	UTC	Callsign	Details
01-02	0000	New Deal	30 chr EAM EQMSSU EVVEB6AY2HW2AF3GNTZ3HDYG
01-02	0003	New Deal	30 chr EAM EQOMPH RVND3JQV2AVPUDDZ4O6ETCUV
01-02	0006	New Deal	30 chr EAM EQSMT0 HJW3W32GR7YYX4WQ4S6X75XM
01-02	0744	New Deal	30 chr EAM EQFFLN EHHFCJ7PALKRQ6COQX3DEUSM
01-02	0747	New Deal	30 chr EAM EQQM6U DAFHNOMUSXMVESGY3HXIFB3O
01-02	0806	New Deal	30 chr EAM EQP3XR AGQGKLU7FGOJO22PAXODZA3C
02-02	1545	Emphasis	30 chr EAM EQKHKF BTXHADT4ZKTCZ3SG4JC3K4GD
02-02	1549	Emphasis	30 chr EAM EQPBT6 KYOB4XZCYVFARLP5QQGWMPCR
02-02	1732	Emphasis	30 chr EAM EQ746F 3HAQUAWK62CIHTWM23BV3N47
02-02	2104	Emphasis	30 chr EAM EQPLLH IFISL0L7RTSR46JJ6FDE3XWQ
02-02	2110	Emphasis	30 chr EAM EQXCUO F72FCIQIGKTARFXIVY7VXG5R
02-02	2129	Emphasis	30 chr EAM EQXCUO F72FCIQIGKTARFXIVY7VXG5R
02-02	2132	Emphasis	30 chr EAM EQPLLH IFISL0L7RTSR46JJ6FDE3XWQ
02-02	2200	Emphasis	30 chr EAM EQACZ7 FQPP0Z2AO3BSNFO6BY3ICZQG
02-02	2203	Emphasis	30 chr EAM EQXCUO F72FCIQIGKTARFXIVY7VXG5R
02-02	2206	Emphasis	30 chr EAM EQPLLH IFISL0L7RTSR46JJ6FDE3XWQ
02-02	2220	Emphasis	30 chr EAM EQWOJJ HRABVHIACBXU4IXCIOJNRVIZ
02-02	2229	Emphasis	30 chr EAM EQWOJJ HRABVHIACBXU4IXCIOJNRVIZ
02-02	2234	Emphasis	30 chr EAM EQC2R7 WAZBTXDKO3XVQNUG3KTYUSBP
02-02	2238	Emphasis	30 chr EAM EQWOJJ HRABVHIACBXU4IXCIOJNRVIZ
02-02	2243	Emphasis	30 chr EAM EQHA3Q 4LH52VJPUBQOB2TGV02SZE6Q
02-02	2247	Emphasis	Unreadable, distorted audio
02-02	2249	Emphasis	30 chr EAM EQWOJJ HRABVHIACBXU4IXCIOJNRVIZ
02-02	2251	Emphasis	30 chr EAM EQACZ7 FQPP0Z2AO3BSNFO6BY3ICZQG
02-02	2254	Emphasis	30 chr EAM EQXCUO F72FCIQIGKTARFXIVY7VXG5R
02-02	2257	Emphasis	30 chr EAM EQPLLH IFISL0L7RTSR46JJ6FDE3XWQ
03-02	0727	Fish Pond	30 chr EAM EQFHWK TBHRGR5CG7UWTGVJLKVEO6IH
03-02	0730	Fish Pond	30 chr EAM EQNKXN NG3IZAYR6G2ICHTJDIBHELO4
03-02	0733	Fish Pond	30 chr EAM EQYGOP DQCZFFD7EPB3RVHES5RU76PK
03-02	0737	Fish Pond	30 chr EAM EQYGOP DQCZFFD7EPB3RVHES5RU76PK
03-02	0739	Fish Pond	30 chr EAM EQNKXN NG3IZAYR6G2ICHTJDIBHELO4
03-02	0741	Fish Pond	30 chr EAM EQFHWK TBHRGR5CG7UWTGVJLKVEO6IH
03-02	0747	Fish Pond	30 chr EAM EQZC4T 2IYUAI3SUZEWFPTS22NW7FG
03-02	0801	Fish Pond	30 chr EAM EQZC4T 2IYUAI3SUZEWFPTS22NW7FG
03-02	0803	Fish Pond	30 chr EAM EQYGOP DQCZFFD7EPB3RVHES5RU76PK
03-02	0806	Fish Pond	30 chr EAM EQJKJ I3AU5J7GDQIIU4GLPE62VILB
03-02	0809	Fish Pond	30 chr EAM EQ444R 67WVFPZD5QRD26IVNUCPR76Z
03-02	0812	Fish Pond	30 chr EAM EQNKXN NG3IZAYR6G2ICHTJDIBHELO4
03-02	0816	Fish Pond	30 chr EAM EQOZSQ CCKKHOHLALWSA7QQC6QHVOWM
03-02	0830	Fish Pond	30 chr EAM EQOZSQ CCKKHOHLALWSA7QQC6QHVOWM
03-02	0833	Fish Pond	30 chr EAM EQ444R 67WVFPZD5QRD26IVNUCPR76Z
03-02	0836	Fish Pond	30 chr EAM EQJKJ I3AU5J7GDQIIU4GLPE62VILB
03-02	1623	Fish Pond	30 chr EAM EQR5S3 QBNV6KNIZEBQTVC2OESWPVU2
03-02	1658	Fish Pond	30 chr EAM EQ6PNQ 43NEVJIYVIIUCQSZGLUMWQ7
03-02	1843	Fish Pond	30 chr EAM EQT5EO AZHB4VXGBA3GMMK52G6ZPRNV
03-02	1922	Fish Pond	116 chr EAM 4EHBWZ LQQ3672PA2MRANVQDVAOKYVXJLYO73RS6L76K75FSJDJYON-NUZ4ZURRRRWCNK2CCGZ7E22QTT23PPPP7GFKNFFFN4ATTR555GNNNNNKT26FMMMF
03-02	2033	Fish Pond	30 chr EAM EQQYEE 65TKWFGWUSMX2QN2OGN3VPUM
03-02	2217	Fish Pond	30 chr EAM 3PPQNY NRTUQXPEAIFZM6AICZYAV4PJ
04-02	0133	Milky Way	36 chr EAM UIX5VA QJOYVYOQQTEUBI4VPTG2HSKQ5QUGE4
04-02	0207	Milky Way	30 chr EAM 3PSGQL KHT6DBPJLGAUNIFY54E534UQ
04-02	0300	Milky Way	42 chr EAM UINIIT TEV5GM3HZVCOQPWHHDUZ5UDRGGVWKDEOVR7PP
04-02	1420	Milky Way	30 chr EAM for Goolie-19 UI6J66 ABBICM7PP22OVLW5IJ5QIVKW
04-02	1446	Milky Way	30 chr EAM 3PDT7E S32FIBUFIPRSUHLUOEICGQR3

04-02	2158	Milky Way	30 chr EAM 3PL6GP ICCOK3BMA3KWYMIJJHAX7JD6
04-02	2202	Milky Way	30 chr EAM 3PROVB UCNG7CLSAWC7ZGD2TVXSWDG5
04-02	2329	Milky Way	30 chr EAM 3PGJ5W OQ6Z3MU4EBRBIW5OYWLM3SN
04-02	2341	Milky Way	30 chr EAM 3P2ADA E7YPNLWZSQLGXJFUIZ4RZ3UY
04-02	2343	Milky Way	30 chr EAM 3P7QZJ ZMHDUFYRNJF3O37ADOYUSGJW
05-02	0046	Helpmate	30 chr EAM UIGVKS QMF7LCNC56OKENRFHUABN7KC
05-02	0118	Helpmate	30 chr EAM 3POMBD HDED2UK5OBZLDNWXUFQTBKJ
05-02	1621	Helpmate	30 chr EAM 3PVW6Z DGWIA6GWZT6O665LHHZCXT0B
05-02	1735	Helpmate	37 chr EAM UISWLA PKBVL64DCOWRWOPDSPACSVXBSUVOG3
05-02	1746	Helpmate	30 chr EAM for Della-25? UIN3WJ CYTBRHLNUETZMHGEXVGDJVLZ
05-02	1817	Helpmate	30 chr EAM 3PUCAJ PPVEJ45RHJVYCCZEFLP5AUDZ
05-02	1946	Helpmate	30 chr EAM 3PXCLX QKRNO6Q4CIFR6NTYZGCINI4U
05-02	2032	Helpmate	30 chr EAM 3PXMEK XEVIWPEIKFD65VZSFTPBK5TG
06-02	0145	Snack Bar	30 chr EAM UI5JYX CVJZLHVH6RLHQA5AT4ZLSHXC
06-02	0156	Snack Bar	30 chr EAM 3PXOKZ I35PEL34CKVYIMTR6UC6DOKY
06-02	0212	Snack Bar	30 chr EAM 3PM5HT 6XBQWYCRP7POEWNWL4JU67KQ
06-02	1102	Snack Bar	30 chr EAM for Smoggie UIP7S2 ONKWLM13IKOWAFTJNJ5HKUE4
06-02	1116	Snack Bar	30 chr EAM for Smoggie UIRKVC TIGM6OAJX4CJLLXZIX2CQCG
06-02	1130	Snack Bar	30 chr EAM for Smoggie UIF24Z QVS7KPEN25JUFSQNMSBN45Q
06-02	1245	Snack Bar	30 chr EAM for Smoggie UIRJWB LZ5JK34TP5AEYWIUBJ7EB3S
06-02	1258	Snack Bar	30 chr EAM for Smoggie UIQOS6 IDWNLSZTP6IOPD53WUFALA4F
06-02	1512	Snack Bar	30 chr EAM 3PP2W4 BAOMUJERWRPVWYM5LO2K2WUI
06-02	1516	Snack Bar	30 chr EAM 3PLIB4 SDDOE2TCALOVTTACOUJLXDOVI
06-02	1706	Snack Bar	30 chr EAM for Region Bravo, for Region Charlie UIDWUX 5SCBFIZ5CCZKBBLZYA77VL24
06-02	2233	Snack Bar	30 chr EAM 3PW4SI NLEWXC5EHWOVPE4FQDQ4TOCU
07-02	0102	Corn Fog	30 chr EAM UITMBA OSGXDLHP5CCB3LPC45XZLNIN
07-02	0114	Corn Fog	30 chr EAM 3PMUDH IIEI2DPNSI2WRR4CMTO6QBWH
07-02	0119	Corn Fog	30 chr EAM 3PMCUD GQBG5RSDB4WY6AQU6O32TC7
07-02	0131	Corn Fog	30 chr EAM 3PTLVA IWQSTKSIRIF7VLRMNRIE2LT4
07-02	0145	Corn Fog	30 chr EAM 3P6Z4I Y7M4QLGH2MLNUJ6PYTCHYE2I
07-02	0702	Corn Fog	30 chr EAM 3PG3UU S6TXY2RF4NGZD3OLG6DAEBC3
07-02	0730	Corn Fog	30 chr EAM 3PG3UU S6TXY2RF4NGZD3OLG6DAEBC3
07-02	0748	Corn Fog	30 chr EAM 3PSXNY RDEQ4LGE2MZ5PG3OCTLXRY4A
07-02	0752	Corn Fog	30 chr EAM 3PV4QR YQEOTTOF4YF2XY2RA43ZL6XN
07-02	1943	Corn Fog	30 chr EAM 3P4I2F DAFGQ33VN652HAAC2UXFJHCA
07-02	1946	Corn Fog	30 chr EAM 3PDYHH CTSWAYJSNUNBHSCMRPRPJWHH
07-02	2317	Corn Fog	30 chr EAM 3PGYUX NMCRAOUGBQ3AJH7BZYTDJF7 This is Fog Corn out
08-02	0025	Molasses	30 chr EAM 3PRA63 VUWUZSCNXY3NXKEIN7R3DOGL
08-02	0051	Molasses	30 chr EAM UIPYDO 3JSGYEDX4VSW7EDD3XJAPJK
08-02	0055	Molasses	30 chr EAM UI2IQJ LDRT7HIF4USYAPMEJVCHSQPI
08-02	0118	Molasses	30 chr EAM 3P2TBW GNZXVWG2YNB3Q546PDO2YKJA
08-02	0123	Molasses	30 chr EAM 3PLBUJ TLZRLQVLLRZI5A4OZ4P6SBMD
08-02	0145	Molasses	30 chr EAM 3PCF5W QFNF4UO24MWQCT3DXLCP73HI
08-02	0152	Molasses	30 chr EAM 3PRMMT R6Q2GJJRAJBTEZXHZ3TQWXZ
08-02	0203	Molasses	30 chr EAM 3PJA6 RDTL73DPFGNKNRFTTHJRCMOW
08-02	0759	Molasses	30 chr EAM 3P2ZD7 VCSLWQEX7Y7TSJLRHBRSAKNG
08-02	0802	Molasses	30 chr EAM 3P2ZD7 VCSLWQEX7Y7TSJLRHBRSAKNG
09-02	1602	Eye Goggle	30 chr EAM for Jello FGBQEU 6NQXT6RU5EC42WBZMOEMP5HO
09-02	1616	Eye Goggle	30 chr EAM for Jello FGTX72 4QNRBVPBDD654AGJLXQDSDLY
09-02	1632	Eye Goggle	30 chr EAM 3PG7NR H7C633DX3HRXV7XCRR7QAWGK
09-02	1638	Eye Goggle	30 chr EAM for Jello FGNVJK PXM76LGZMDXA6TCICCG63JXY
09-02	1725	Eye Goggle	242 chr EAM 4ELJTO FULDOYATSF7BQXB4XJ23A22RAD5JW22FRA-ZOAE03GGGGP6OZERBDSVUB22RZFQQQKNKPFNH5VNNBLOQQUOQFFFFQU4JQTBFFBLUBNNQ3ILLLVW24GEWPFSZ5NGSNFOYO7HRS6L7PK75FYGJJJON4PPPZ4RRRRWCNK2Z55ZGE2D33D33PPPP7GFKMSNDDXATQGQHHQNNNNKTI7SBPASPJH5VH3VXTTTS6WHA XOUP
09-02	1903	Eye Goggle	30 chr EAM for Jello for Bayonne? FGXSHW ZTKJNXZOM5QTEMJAKDFBLCVG
09-02	1916	Eye Goggle	30 chr EAM FG2L6F unreadable. Distorted audio
09-02	2102	Eye Goggle	30 chr EAM 3PCW24 4RFH2WKSAFW7ATNDGHA5NWWVQ

10-02	1832	Technical	30 chr EAM 3PJKDV DXECSY4V7AZCRFXWV3LISYC
10-02	1854	Technical	30 chr EAM 3P6IRA J3BBF22N277YNQPX4ZGEK5L6
10-02	1934	Technical	30 chr EAM 3P67XY DOQQNGQRQ7GBNI2DEL7MWBKI
10-02	2047	Technical	30 chr EAM 3PPGXN MCB7OICZRHFBX4AJBV6L2B7J
10-02	2321	Technical	30 chr EAM 3PP4KY UKNG7DRDMLZTY2XUEGLJHD4R
10-02	2326	Technical	30 chr EAM 3PGEZS IYI6X5XN66RCNK3VN4M374XN
10-02	2331	Technical	30 chr EAM 3PGEZS IYI6X5XN66RCNK3VN4M374XN
10-02	2333	Technical	30 chr EAM 3PP4KY UKNG7DRDMLZTY2XUEGLJHD4R
10-02	2349	Technical	30 chr EAM 3PJ2A2 BOBEVLLK22EMVG2NLFUPWN35
10-02	2359	Technical	30 chr EAM 3P6JIT 6MFAZD47I7QKMZB7EO3DEYBN
11-02	0006	Exterior	30 chr EAM 3PGN6D JTUZQR3MDK7NNGIRMZMVTGKH Distorted audio
11-02	0011	Exterior	30 chr EAM 3P6JIT 6MFAZD47I7QKMZB7EO3DEYBN Distorted audio
11-02	0015	Exterior	30 chr EAM 3PE4TW 72IUG63FAXY4WGMDXUJ2KL7Y Distorted audio
11-02	0019	Exterior	30 chr EAM 3PMPNQ EWYC4KTDX4Y7YDEJZ3GHWYSY Distorted audio
11-02	0023	Exterior	30 chr EAM 3P6JIT 6MFAZD47I7QKMZB7EO3DEYBN Distorted audio
11-02	0025	Exterior	30 chr EAM 3PJ2A2 BOBEVLLK22EMVG2NLFUPWN35 Distorted audio
11-02	0028	Exterior	30 chr EAM 3PGEZS IYI6X5XN66RCNK3VN4M374XN Distorted audio
11-02	0114	Exterior	30 chr EAM for Jigsaw Puzzle FGJH32 5MPFBVOBQSKBGOTNOUWSHT4F
11-02	0213	Exterior	30 chr EAM 3PK432 33WDGQXOY66EJYXJVQXZVIRT
11-02	0217	Exterior	36 chr EAM FGHWZ6 HLSQVZG2UPPCQ4DHLQGFBBWWQRJJXBE
11-02	0654	Exterior	30 chr EAM FGWPU4 D6MZU5RG3LX3VHP4X2WXXDBP
11-02	0700	Exterior	30 chr EAM 3P7SN4 OUUHBGCQI3C3QDD6T3BXFET5
11-02	1416	Exterior	30 chr EAM for Killed-61 FGEDNN CB4BMR24YTDHIBMUJVRKVDHW
11-02	1449	Exterior	30 chr EAM 3PPZQW BE27AZLBO5ZVW5M234EJSQ7L
11-02	1651	Exterior	30 chr EAM 3PB6O7 JNFSAW62EF6C6RN7DENS2HL
11-02	1700	Exterior	30 chr EAM 3PB6O7 JNFSAW62EF6C6RN7DENS2HL
11-02	1734	Exterior	30 chr EAM 3PRUH2 GUDRUMGKLTDLGKVUAHDKSIT
11-02	1737	Exterior	30 chr EAM 3P6HF3 TO3WJH23YRL3S3MLBI3SJ7DB
11-02	1740	Exterior	30 chr EAM 3PVLZX ZMA367UEK4YWSBVB4CYH52ZB
11-02	1745	Exterior	30 chr EAM 3PB6O7 JNFSAW62EF6C6RN7DENS2HL
11-02	1756	Exterior	30 chr EAM 3PKAMV AXDKCGEQLQ276ZGVYE3ZS47C
11-02	1800	Exterior	30 chr EAM 3PB6O7 JNFSAW62EF6C6RN7DENS2HL
11-02	1848	Exterior	30 chr EAM 3PYVWP RYBMGBR3W47HLYOM75QKBY6U
11-02	2107	Exterior	30 chr EAM FGUOU2 HAAJWB2DITLKL5MRFA6YY7U
11-02	2146	Exterior	30 chr EAM 3PMQXH OG2LGVJX27RW76QI5OJRY73Z
11-02	2154	Exterior	30 chr EAM 3PPLAF TBW6DSPX54JVKCH2Q6IF6TOQ
12-02	0129	Alphabet	36 chr EAM FGO33C QDTTKY2IH6HT5ITUH4KGEAKZXVEOHJ
12-02	0134	Alphabet	41 chr EAM FG733Z DGMIKPGY6OAZQZVOXTP7PMJOSZGUHAVDKGA7
12-02	0155	Alphabet	30 chr EAM 3PTNZI EJO5G7PH6E2DS5LXV6OR2SMK
12-02	0201	Alphabet	30 chr EAM 3PBMLP YOKYA7WB4PXVRTGVLLXH5AK7
12-02	0223	Alphabet	30 chr EAM FGAULY IGBG2AXC2OQRYNT2R4CRT42V
12-02	0226	Alphabet	30 chr EAM 3PEIHW ZWBUQ5WQC7FBNUXE6CDTHVS7
12-02	0630	Alphabet	30 chr EAM FGR2PN HQ6J27L4RPJ5DXC3M336EMGR
12-02	0636	Alphabet	30 chr EAM 3PLXSI 3TTCLEAGLLQVHJWZACP3X6BC
12-02	0645	Alphabet	30 chr EAM 3PUHZS ILRRXJ7RCDZ5MAGSBXPHGJY4
12-02	0705	Alphabet	30 chr EAM 3P7TRM MI4J7EN7ER7T4TMWH7V2TMXJ
12-02	1332	Alphabet	30 chr EAM 3PFV5P EHBK632AQBJCTGQAPHSFBPQL
12-02	1402	Alphabet	30 chr EAM for Germ FG32YQ MGZFHVU7L73HH2AYVRTSMLFJ
12-02	1416	Alphabet	30 chr EAM for Germ FG2447 BVWYVW6PBJ7OKIR2W2EL7FUT6
12-02	1424	Alphabet	54 chr EAM FGANXV N66DLA43EWQDJZF6WTSF6WG6NCGSQQEPH2AUNCBSQFZCHD7E
12-02	1432	Alphabet	30 chr EAM for Germ FGH2JE P5MM2II6WH674KFYX6VDAB6V
12-02	1746	Alphabet	30 chr EAM for Orlon-67 FGVS2C UP4LGYOCH5IPAN4DNEHOCZBM
12-02	1817	Alphabet	30 chr EAM 3PZZJS 5WKURKARQ3VBJWEOE7YE4VZL3
12-02	1832	Alphabet	30 chr EAM 3PLCVV ZUEJCDT22FEYKXL677OJWV67
12-02	1902	Alphabet	30 chr EAM for Germ FGWDHA STU7IYC4YFDMGPRDWQ5O2QB2
12-02	1916	Alphabet	30 chr EAM for Germ FGUHZ RHFKPTIHG2P5VWEANBRRNHEL
13-02	0136	OnePunch	30 chr EAM 3PUOC3 T6YN466J5GF2LFUXCASCGWYD
13-02	0138	OnePunch	30 chr EAM 3PY3IZ SSG64TITZPXDSN3VKNQBUCLS
13-02	0141	OnePunch	30 chr EAM 3PJELL Q6CQ3ZWE2DNE3QXA4CCMXKSE

13-02	0142	OnePunch	30 chr EAM 3PVGA6 D5KCO6K2ILQC5ELXJDDBS2GO
13-02	0718	OnePunch	30 chr EAM 3PI2RC PPQHZGQBUX2RNAFN4N7CNRSRG
13-02	0732	OnePunch	30 chr EAM 3P7RZI FVICUTUBEFDHJPLP2V46BLPV
13-02	0735	OnePunch	30 chr EAM 3PI2RC PPQHZGQBUX2RNAFN4N7CNRSRG
13-02	1646	OnePunch	30 chr EAM 3PNK2Q 342KQGPLYRYZXUGAFV6RI7Q
13-02	1648	OnePunch	30 chr EAM 3PYNGS OC4JB2LMC6QP3N427TIHJASR
13-02	1652	OnePunch	37 chr EAM FG2H7G CFJ44E55WQMUWFWWQKDZXQ3VWOFT3QD
13-02	1654	OnePunch	36 chr EAM FGIV4N FAKQJN5F4O6CBCEDP3XAJ5ZXYNK3
13-02	1708	OnePunch	30 chr EAM FGKZBK 4E5ZOOAKCW4BZ74EO7HR2HYQ
13-02	1729	OnePunch	30 chr EAM 3PBDOH BNSEULE3SLFM5XP724JRWFXQ
13-02	1732	OnePunch	30 chr EAM 3P4VLH CCQH2K5XHOHXVTAMH2JRY7GU
13-02	1742	OnePunch	30 chr EAM 3PP6EK JQGHANCAUJA3FI62X2CUMOE7
13-02	2047	OnePunch	30 chr EAM 3PDWPB AQBE6FELCO5WJNSJXDTOM437
14-02	0047	Churchman	64 chr EAM FGE4EX JFFNMAJXW2JJEJ4TYTABJY2OQI3W7JTYWFBKJUPI7AHVOZKA
14-02	0057	Churchman	30 chr EAM FGBTBF 5RWT2RW6QB7D2DTM53SDZCIW
14-02	0109	Churchman	30 chr EAM 3PXRQE 3EIGQCVSZO4YGKGV6K23NDOJ
14-02	0115	Churchman	30 chr EAM 3PX2BS DRFCUOFP4LOXT5CKT2T3E6DN
14-02	0150	Churchman	30 chr EAM 3PJ5K7 5466OZI5AK2IFP5AXLJUSKYA
14-02	0750	Churchman	36 chr EAM FGGIH2 HBTBNL5EVV5QLGQ5D3S627N65TXEJL
14-02	0910	Churchman	30 chr EAM 3PWUXK E2ZBVBEXKALRPSULYGYIKSL
14-02	1535	Churchman	30 chr EAM 3PDMUB 6IFEPLGLC4KJA43FNSS3B62G
14-02	1548	Churchman	30 chr EAM 3PH5L4 3NB2CSF4BCO332IAHWHKPA3R
14-02	1603	Churchman	30 chr EAM 3PIAXC AY3YIE4PUE5XYZ5SOFUK2QA5
14-02	1606	Churchman	30 chr EAM 3PH5L4 3NB2CSF4BCO332IAHWHKPA3R
14-02	1610	Churchman	30 chr EAM 3PDMUB 6IFEPLGLC4KJA43FNSS3B62G
14-02	2118	Churchman	30 chr EAM 3P6S4I JUXJS4L763U3JD6VTXELH7B
14-02	2205	Churchman	148 chr EAM 4E3PS2 42APICSMYCLYJ2PO3P6JDFEO5XVL4PQ66GTG4GEIRRH66RPP PP73D5AGA66BWAAYIQLAIIISOL72JT7JY6ADP65PQSY2VM62JR6KLYG4W4444RNP6WKJ5 NRQD7Y5VYAVWKCC6REZIO4K
15-02	2357	?	30 chr EAM 3PDGON 24FXIKJ6MYERNKSHEWGCYPL
16-02	1733	Tail Spin	30 chr EAM 3PADCC BISU3RCZU7UBK52MMIYNUPSK
16-02	1916	Tail Spin	30 chr EAM 3PDSUL AAYAXW2Q5XYO7IQ65LDMF7UY
16-02	1942	Tail Spin	30 chr EAM 3PWQZV WSY2B7ZYRKUGUGY3F6OOGVNDK
16-02	1945	Tail Spin	30 chr EAM 3PPJF ZG36HY7JS2R5GGBVAFW4NKQUJ
17-02	0129	Mass Kit	30 chr EAM 3PJ4HE DBYQT75WHH33NYBSAYXNYTLD
17-02	0202	Mass Kit	30 chr EAM 3P6PTD HGO6U6PRQSNMBTCNUALPW3TD
17-02	0642	Mass Kit	30 chr EAM 3PFB6E SZIADION7VZFUSYZMPSEGKO3
17-02	1413	Mass Kit	30 chr EAM 3PB5X2 RAYI6FP26WSNAZ3X4JGDUFO7
17-02	1847	Mass Kit	30 chr EAM for Kayla-97 FGHJET ZWNSVLUUCRARIXBUNWCKCYFW
17-02	1917	Mass Kit	30 chr EAM 3P5NOD 2MBQYQCCOPJAMSWIK5JT53DS
18-02	1417	Everglade	30 chr EAM for Groupie-4 FGIYVI P44ISJ4XMTFYMOOCW2AOPB6O
18-02	1450	Everglade	41 chr EAM FGYF7T USCQN4IUKWYUZ6EZ43EX3X4K5FRGFG4A7UU
18-02	1611	Everglade	30 chr EAM FGI35G 2WHOAP3HNQUS6JUFM4L5Q4WG
18-02	1622	Everglade	30 chr EAM for Region Charlie FGXQSC TKDJW572ZPRTTTC44EAXCBFC
18-02	1629	Everglade	30 chr EAM 3PSDBU PJEADW7D7OHXMLKFAIZRHG3Y
18-02	1658	Everglade	30 chr EAM 3PDF43 OE53PKEUYLIYJJHP3M3IJCM4
18-02	1701	Everglade	30 chr EAM 3PSDBU PJEADW7D7OHXMLKFAIZRHG3Y
18-02	1706	Everglade	30 chr EAM 3PGFWC 2PS4PHCI875A6CLANQXFD7GB
18-02	1709	Everglade	30 chr EAM FG44W3 DE5LXX42FF3GLVMT75SCVGU7
18-02	1717	Everglade	30 chr EAM 3PXVWE TWTVM SHYZGZAQHBSD7KJFLGZ
18-02	1719	Everglade	41 chr EAM FGYF7T USCQN4IUKWYUZ6EZ43EX3X4K5FRGFG4A7UU
18-02	1729	Everglade	30 chr EAM 3PSDBU PJEADW7D7OHXMLKFAIZRHG3Y
18-02	1732	Everglade	41 chr EAM FGYF7T USCQN4IUKWYUZ6EZ43EX3X4K5FRGFG4A7UU
18-02	1851	Everglade	30 chr EAM 3PF6IG VPXJJ2MNJSHHJ4IQTOJE2Z56
18-02	1853	Everglade	30 chr EAM 3PF6IG VPXJJ2MNJSHHJ4IQTOJE2Z56
18-02	2107	Everglade	30 chr EAM FGOPZS VOB5U6DVBM7TBED7C6CYPY5U
18-02	2149	Everglade	30 chr EAM 3PG4XK H4V2PHVZQKMESANZ7GSZNTF4
19-02	0102	Delicate	30 chr EAM for Doter FGICD4 2LDFZA56HQMKVTR5LGXJWWG
19-02	0116	Delicate	30 chr EAM for Doter FG5GHJ HFD5CW77DRPKG5A4FON6LP56

19-02	0655	Delicate	30 chr EAM FGRND7 L5FZEXLVDRMQ5UEDCUEDP7ET
19-02	0710	Delicate	30 chr EAM 3PH4IJ 6KSDFHBO6K2CUVNQEJEX2CF
19-02	0716	Delicate	30 chr EAM 3PU6OI 727K57ICWCXU472FPRY2RHFV
19-02	0729	Delicate	30 chr EAM 3P5JED YCOV3VIAGSJXYBXFGTWKIBMG
19-02	0750	Delicate	30 chr EAM 3PD5PW BBQ3JSUPVSKMZ5RKTBYRV7
19-02	1723	Delicate	37 chr EAM FGLKJY PHXXF6LUQNLARTLRTWJJ37SI5TUWZQ
19-02	1746	Delicate	30 chr EAM for Doter FGGRLI 6ISVPI3DWYMH0ATXEJZ5QU3
19-02	1751	Delicate	30 chr EAM for Doter FGGRLI 6ISVPI3DWYMH0ATXEJZ5QU3
19-02	1803	Delicate	42 chr EAM FGJODB ZASLSCP4XJ7MDJUTE5BUTJT2HGZWJ2J23NSW
19-02	1823	Delicate	30 chr EAM for Doter FGOVQ PATBPTGYVTI3FLEQI4ETJRLG
19-02	1832	Delicate	30 chr EAM 3PST7C COBLVTUR3GEHSDY4U6KGLWQV
19-02	1938	Delicate	30 chr EAM for Doter FGDW6R QABAACIN6H5ALF4FELPNAOYQ
19-02	1954	Delicate	30 chr EAM 3P7EKI 3C4B5CXUHO6GBBSTEK2AT
19-02	2002	Delicate	30 chr EAM 3PCXBZ 3JVTKY6AKEMZGAEKL4NQS2U
19-02	2008	Delicate	30 chr EAM 3PCXBZ 3JVTKY6AKEMZGAEKL4NQS2U
19-02	2250	Delicate	30 chr EAM 3PTWIZ 3B3OFXIAKTFIIG36OBOKEZH
19-02	2346	Delicate	30 chr EAM 3PSSFO DNYBLEHLWKOE7D7I3SN6J4MF
19-02	2349	Delicate	30 chr EAM 3PBBW3 BGB2T6HBGLDS2TOALM4GLK5I
19-02	2359	Delicate	30 chr EAM 3PAHLZ QLPQ76LQRULOU5KYES5S6NIE
20-02	0116	Vocalize	56 chr EAM FGGA23 OQ5F4MS43VGV6XAIIPDNGXTDVDYELP2TBHNGND7RXDCKPTKBJ
20-02	0136	Vocalize	30 chr EAM FGVCAP P3WFAE3EY3FJIXNV4S54OTH
20-02	0145	Vocalize	30 chr EAM FGM7SY MRMBKZJHHDPK6JSWGMKYVTWV
20-02	0158	Vocalize	30 chr EAM 3PZVMN 5ANWSWW4ZFOPO4OBIRDKOUR4
20-02	0205	Vocalize	30 chr EAM 3P7BEW Unreadable, distorted audio
20-02	0514	Vocalize	30 chr EAM 3PQWW3 PLK63TMOBSXINZDHBFP7FOA
20-02	0517	Vocalize	30 chr EAM 3PLWGV Y3TQH2B3YHTJRGU6LA3YCQ6
20-02	0529	Vocalize	30 chr EAM 3PLWGV Y3TQH2B3YHTJRGU6LA3YCQ6
20-02	0532	Vocalize	30 chr EAM 3PQWW3 PLK63TMOBSXINZDHBFP7FOA
20-02	0536	Vocalize	30 chr EAM 3PP5QR TDGJXGUAMZG35H5BBKT2BK4G
20-02	0539	Vocalize	30 chr EAM 3P2FZI VTQRG6PO523AYREPYL7FSAH6
20-02	0544	Vocalize	30 chr EAM FBZ3YR FLRLZICJADZO6UNKMJBOZJGW
20-02	0803	Vocalize	48 chr EAM FG67PN 7UAHXUTVV5WDPVH6FWLV53KPVWQ4IUFN6BKUMM6W5G
20-02	0808	Vocalize	36 chr EAM FG57HW JEBDFTOSO5MRPCCURWKWNI2WY6JPQ
20-02	0855	Vocalize	30 chr EAM for Region Bravo FGNYS HDLXBIPEPNWX5XSFA7GH764T
20-02	0900	Vocalize	30 chr EAM for Region Bravo FGNYS HDLXBIPEPNWX5XSFA7GH764T
20-02	0925	Vocalize	71 chr EAM FGIM3V T2LVCXLIMPVZLZPBH4Z2JIAZ2NIWKK7D5CJRK3FRQK75CCERRKA-JQCCYCMRNTYCI
20-02	2236	Vocalize	44 chr EAM FGOLKG K3XBY3LGHJ6WMHIBHAHJQGWM3RSHSVQRCOR7S
20-02	2259	Vocalize	44 chr EAM FGOLKG K3XBY3LGHJ6WMHIBHAHJQGWM3RSHSVQRCOR7S
21-02	0812	Hop Shop	Unreadable. Distorted voice
21-02	0818	Hop Shop	30 chr EAM FBVB2M J2NVJERMIVZRUN4GTDIQGPVE
21-02	0836	Hop Shop	30 chr EAM FBKFAM WRODW3FS7PNJSC4GR2M62KON
21-02	1704	Hop Shop	30 chr EAM FB4AIL QP2IEJGGNWMGGCBW62GS7V
21-02	1840	Hop Shop	30 chr EAM for Region Bravo FGIDUO 46WLWWPS3HWERHK5MPA7OJPP
21-02	1856	Hop Shop	30 chr EAM FGWNM4 5F7HJPNNWSLYLY54HAAGXIN4
21-02	2046	Hop Shop	30 chr EAM FB55EB KCLVANQZZSR5XXK6TLY4SPKL
21-02	2000	Hop Shop	30 chr EAM FB55EB KCLVANQZZSR5XXK6TLY4SPKL
21-02	2008	Hop Shop	30 chr EAM FBEN62 43LVNJRL43AT3GVOPWHP67FM
21-02	2033	Hop Shop	30 chr EAM FBRQZZ 2FSSDB3EMCOPHP724CEOQKFC
21-02	2236	Hop Shop	30 chr EAM FBRQZZ 2FSSDB3EMCOPHP724CEOQKFC
21-02	2247	Hop Shop	30 chr EAM FBZC3X RWGTBYK7XVKW4DX6NQXAZFRY
21-02	2254	Hop Shop	30 chr EAM FBG63R PWFJWMS3ZFNBBEOWRQICQKRX
22-02	0033	Bee Honey	30 chr EAM FBMJF6 IUYNAIQGOUUA45JWQPFGBS7M
22-02	0037	Bee Honey	30 chr EAM FBSCBC W732ZD3TBJ6JLULFCRYNSKUG
22-02	0040	Bee Honey	30 chr EAM FBDZT7 LNKABVL6WV2IA5LWS2DJWRF
22-02	0043	Bee Honey	30 chr EAM FB3B7G U3HIPDWHEIAJFWTOWOTXSKRI
22-02	0047	Bee Honey	30 chr EAM FBUQT ZOQIR5MSHXCBBVWJZZQKUOJRT
22-02	0053	Bee Honey	30 chr EAM FB3B7G U3HIPDWHE2AJFW6OWOTXSKRI
22-02	0152	Bee Honey	30 chr EAM FGKQET DQ3NQKFTL77JDHLOG3XZVHRY

22-02	0206	Bee Honey	30 chr EAM FBXFWN QTTL3VQ3HDFVFMKPITR6WPS
22-02	0221	Bee Honey	41 chr EAM FG52DA QOOPA6X3L6BSHRUKHFD57DXFNJT2ANCJBS
22-02	0225	Bee Honey	30 chr EAM FBQCDB JGINETQYNI5TSLKKASP2HKRZ
22-02	0246	Bee Honey	30 chr EAM FBXLCC RQEV75UWKCYXEZ6DIVSXDMIJ
22-02	0654	Bee Honey	30 chr EAM FBWDRN ILIOBAIZDEUR5U4UXV6NRXZP
22-02	0703	Bee Honey	30 chr EAM for Shacle Force FGNPI6 6SHEPS47YMRBDZEqMUNHCHDT
22-02	0708	Bee Honey	30 chr EAM FBSGY4 XOAX4HS26XPXOEJWEUVODNQA
22-02	0727	Bee Honey	37 chr EAM FGZW2K RUZOELPOR53SY5ECJFBRWYPZT3HBA2Z
22-02	0751	Bee Honey	36 chr EAM FGOMKT BNZDLIDWJEWQ366FIJBW3WLRNBLWDN
22-02	0756	Bee Honey	36 chr EAM FGOMKT BNZDLIDWJEWQ366FIJBW3WLRNBLWDN
22-02	1535	Bee Honey	30 chr EAM FBV2L3 JLPTN4FV27ABH4QKJ7N4BA3
22-02	1540	Bee Honey	30 chr EAM FB4DUI BXE7UWDNBNHDID3JTX4DUEI
22-02	1543	Bee Honey	30 chr EAM FBDDDU F2LJF4TNGYCBGPQDRFGHJQ35
22-02	2112	Bee Honey	30 chr EAM FB4Z6C 34MZV5KPCNME7D7QLSOKGCM
22-02	2115	Bee Honey	30 chr EAM FBMANE JAMVBUZ2BJYUPLIZHDJ7IEND
22-02	2128	Bee Honey	30 chr EAM FBG7VH ALBLCIBYEWQ6UWU7R4ZLJNSU
23-02	0203	Oil King	30 chr EAM FBLEJ3 GTIEGEYB5AJNKRXN4R4JTVPW
23-02	1538	Oil King	30 chr EAM FBUTWJ 3AKWCGTVVSFVBUPYDSD7RPJ
23-02	1633	Oil King	30 chr EAM FB2WYE MKMY6BD3OSTGAIFKT6TGIDA
23-02	2111	Oil King	30 chr EAM FBZ672 J4YD5WIUCGKGOSDR32ZG36NE
23-02	2123	Oil King	30 chr EAM FBIXRZ O6ZBA6TSOCS7PLHN3XSXC3W2
23-02	2133	Oil King	30 chr EAM FBG547 J3HLIONCYXEOSEH4W3Q5ODGI
23-02	2215	Oil King	30 chr EAM FBDU6Q MDZYJJACZ4WPI44D7MEDKJVH
24-02	0120	Appelate	30 chr EAM FBRNLY M733W3EBA7JFU5KWOMR3WY47
24-02	0203	Appelate	30 chr EAM FBATOQ BSGQP4GHZDBZTOQHYE6GYCHK
24-02	1623	Appelate	30 chr EAM FBYLSI JEUXI7R7STURFUXFSYBIFQEL
24-02	1658	Appelate	30 chr EAM FBYPQU 6ARVIALE3H2JGRIQVXB5FXPG
24-02	1842	Appelate	30 chr EAM FBXDWW PYFWAVBPOGOAL6DNP3CREQ7N
24-02	2333	Appelate	30 chr EAM FBEDG3 W4U7I3C6KKBIV3YN3KE6HI57
25-02	0207	Double up	30 chr EAM FBCDRY PVBOIGEGWRFXFBCOWGNX4SHT
25-02	0639	Double up	36 chr EAM FGJNJ5 KZXKZT5K7GSWGWYQJUDA5QEFHPXZ2C
25-02	0648	Double up	42 chr EAM FGUEIV OK3MET4XDNDR4QHMBVIHLPUEPGEA2WNG2DY
25-02	0655	Double up	42 chr EAM FGUEIV OK3MET4XDNDR4QHMBVIHLPUEPGEA2WNG2DY
25-02	0711	Double up	30 chr EAM FB6TNI K2LYWF2PVJ4GAJ2TUEL12J6N
25-02	0715	Double up	30 chr EAM FBXAG3 RU2A7NRRIRS3LU2E3ZT76NMR
25-02	0725	Double up	30 chr EAM FG76B3 CC4ZFEEZ5SACSRZZWPR7R4LG
25-02	0729	Double up	30 chr EAM FBCNSY OO64UXKC2QZVLL3GDEA26SI3
25-02	0741	Double up	30 chr EAM FBL2KT FP3WODHCUZBG3SUXIKJYE5SN
25-02	0744	Double up	30 chr EAM FBL2KT FP3WODHCUZBG3SUXIKJYE5SN
25-02	0756	Double up	30 chr EAM FBXR7V VFPSFKDFCQN7LPLOLSJ36PZ5
25-02	0832	Double up	30 chr EAM FGQBQJ XZ66S5CTNG7JLUBBJTIRWSH6
25-02	0838	Double up	20 chr EAM FGQMGB HQQB2CVRW2PGTQ
25-02	1104	Double up	30 chr EAM for Wilson FGKEBR CIBQWMLXIPGI5LS7Q3I7YZOS
25-02	1109	Double up	30 chr EAM for Wilson FGKEBR CIBQWMLXIPGI5LS7Q3I7YZOS
25-02	1117	Double up	30 chr EAM for Wilson FGTLIL HRACVFCDJK2UU6IJQMZ4YATS
25-02	1131	Double up	30 chr EAM for Wilson FG6TML 6ITJZFTFY2I2IXP65L4A6ZJH
25-02	1730	Double up	30 chr EAM FBEIOM HHDNFRFZTG6AJ2HM76JY7P6T
25-02	1733	Double up	30 chr EAM FBQ5RZ HJ6Q7QTJCNXCXE5FGUIX43RV
26-02	0556	Propagate	220 chr EAM 45SBRA WFXRNAPNAPSP4ZVBMKBQLQFAAZ24PEG2S67OK-BSRZEKZTBZGG545XGGGGGIHKNPXRSEP4BMES-RED4KTNNPBELQU442XO6UOLUW5555IJOPQR2Z447YGSSX4QTTTTDOVNOD42OOG-KVZZ3VZYYYKGNBAWOGGOC17GGX4KLLLLL3224JIFLJSDKPTVP577QNKNV3OD-DJDXQATTTTPX4ZQNM2K
26-02	0753	Propagate	30 chr EAM FGNEWC 5J4MPS7TNGY3WRK3BY7NOJRE
26-02	0800	Propagate	30 chr EAM for Audible FGMBVP NFU2TZYKUWZHILPXDEQLNFI5
26-02	0821	Propagate	47 chr EAM FG2EEP ADWUGYM4C23MW2E7YHBQXQ37I35HJH62XNXDQAUNR
26-02	0825	Propagate	29 chr EAM FGFPEN JR6RS6GNZDQHTS5UDI6PAME
26-02	0903	Propagate	30 chr EAM FBSOI V6SYL5GKH4EVL42WRQU3Z5QO
26-02	0807	Propagate	30 chr EAM FBKX5B LNP2542QGP3X6NBMZDHZJ34I

26-02	0935	Propagate	148 chr EAM 453WZE 3Z56WU3NRWWYPCSMDS46PG7TV3SQIV2QIXPNPNPNUEEEEEOB- CLUQKFKUIGXGXAGG3333RNRLBEMY4CLNPNXFCE4444L2QKAGYBYBJO7OT- PTX2222Q7KLUGKCRKEWJWW4AAKKKKC57EC4SMC
26-02	0954	Propagate	30 chr EAM FBD5CP 6BVN5KPN2Q3IGWSWBISVAIRJ
26-02	0959	Propagate	30 chr EAM FBMCDQ RPC7JDJP3OW3BGHOWAD7GZXH
26-02	1653	Propagate	30 chr EAM FBYYO 6RPTXQ2PDW2TBDKQVE2LTN4
26-02	2142	Propagate	30 chr EAM FBS7OI J3KUWPOBN3AW6EXOPQFQPK65
26-02	2145	Propagate	30 chr EAM FBC2WF LQ2RVDFCT7ZSE7N3PCM2VKZL
26-02	2148	Propagate	30 chr EAM FBE4UZ XSFN4MH7WHKZM3AHCB4XUFBA
26-02	2151	Propagate	30 chr EAM FBSUSK NR76IVYHD5AJQSXEYHHOYXIK
26-02	2229	Propagate	30 chr EAM FBSUSK NR76IVYHD5AJQSXEYHHOYXIK
26-02	2232	Propagate	30 chr EAM FBRISI P53NUKMQOF2JXJTLH7FQHK2U
26-02	2234	Propagate	30 chr EAM FBE4UZ XSFN4MH7WHKZM3AHCB4XUFBA
26-02	2237	Propagate	30 chr EAM FBC2WF LQ2RVDFCT7ZSE7N3PCM2VKZL
26-02	2300	Propagate	30 chr EAM FBSUSK NR76IVYHD5AJQSXEYHHOYXIK
26-02	2302	Propagate	30 chr EAM FBLVPJ OV2CEYLWGR6V3A6QDWHWS6OUK
26-02	2305	Propagate	30 chr EAM FBRUQ4 W2GFPYORF3X26V73GE6WPVNC
26-02	2307	Propagate	30 chr EAM FBE4UZ XSFN4MH7WHKZM3AHCB4XUFBA
26-02	2310	Propagate	30 chr EAM FBC2WF LQ2RVDFCT7ZSE7N3PCM2VKZL
26-02	2330	Propagate	30 chr EAM FBSUSK NR76IVYHD5AJQSXEYHHOYXIK
26-02	2332	Propagate	30 chr EAM FB4R5T 644D7DR2EOFFP238B66DSKXB
26-02	2334	Propagate	30 chr EAM FBE4UZ XSFN4MH7WHKZM3AHCB4XUFBA
26-02	2336	Propagate	30 chr EAM FBC2WF LQ2RVDFCT7ZSE7N3PCM2VKZL
27-02	0111	Propagate	30 chr EAM FGB4PR DEX7TWXWUWHK6WWDU4PAZMGJ Disregarded, wrong callsign
27-02	0114	Neon Lamp	30 chr EAM FGB4PR DEX7TWXWUWHK6WWDU4PAZMGJ
27-02	0117	Neon Lamp	30 chr EAM FGB4PR DEX7TWXWUWHK6WWDU4PAZMGJ
27-02	0118	???	30 chr EAM FBCBG5 S5?76FFKFSX?Q on top of FGB4PR. Stopped when that one ended
27-02	0130	Neon Lamp	30 chr EAM FB5LLS ITUWIYCFAM5BJ5SAXARX3WFL
27-02	0202	Neon Lamp	30 chr EAM FBXRNU 6GFA4U5II3PDEFA2ARKXZNR6
27-02	0748	Neon Lamp	54 chr EAM FG74JA 2KQOHHZL4TF4IRY4SA4NRSIRZBTJVVK4JGUJ4WMFVG34V7YB
27-02	0823	Neon Lamp	30 chr EAM FGC5ZR WQIWJ7CDTRDQ3WLGHLXVIM5N
27-02	0829	Neon Lamp	30 chr EAM FBOHWS HM3EKS2IRECIU5NBEJ7Z6X3E
27-02	0845	Neon Lamp	30 chr EAM FBGU4A GXRUQW5U43RUH5GLJO6YRLKD
27-02	1247	Neon Lamp	30 chr EAM for Western Oil FGLRSH H67NHTQ5R5KMTQR then stops
27-02	1307	Neon Lamp	30 chr EAM for Western Oil FG6ZYE HR5KGX27G75HCL2VWECG34HI
27-02	1333	Neon Lamp	30 chr EAM for Western Oil FGIUXH C5BKXCYPKIMSBBPJSXC3EFQ3
27-02	1348	Neon Lamp	30 chr EAM for Down Scale? FGJ7TF QEHKV52EEHQOIHUFUFUV4RULS
27-02	1404	Neon Lamp	56 chr EAM FGJYPE HNLLPHLDGA32IB3GTERGA7CIBOQHJ2JOYUR33QTJS- RFH2KN3QGFIN6X47UI
27-02	1453	Neon Lamp	37 chr EAM FGWHP2 5LREWBWLNJ3XCZEVQHC4HRB7XU5T4OU
27-02	1804	Neon Lamp	30 chr EAM FBMZUH ZEVPTQ3L2NWD7YKLAUZ6EAUL
27-02	1348	Neon Lamp	30 chr EAM FBWBUH PIQ7HL2UTQO42WWVYEVHSA
27-02	1848	Neon Lamp	30 chr EAM FBXIJS 3DA7COT6EFTORF2NK4ARQVIK
27-02	1853	Neon Lamp	30 chr EAM FBD6DN 5CTZ4566EVHNBUD5EOZ2BJU
27-02	2048	Neon Lamp	30 chr EAM for Joseph-58? FGWLBO5N3NR5GFNKGUGCG34LCJS35LK
27-02	2117	Neon Lamp	30 chr EAM FBCXR6 THCPAWNCT2IPLDRUJ4KDVH25
27-02	2315	Neon Lamp	30 chr EAM FBDKZ6 5FGODAE4QW6FQ3YNM4JBV3TD
27-02	2318	Neon Lamp	30 chr EAM FB2FU3 RBVFQXGEHZQEKDVB33IX5F3O
28-02	0025	Insurable	30 chr EAM FBQLSE 24UMKEH3D44SCQPURT6LQHP3
28-02	0034	Insurable	30 chr EAM for Hurdeck?, for Joanbeat? FGLX3D VUTLYLPLFHD3KCD5W76QEIRJ
28-02	0037	Insurable	30 chr EAM FBIBZ HFMTH3RLVXR3FZDDAQBTU5DC
28-02	0045	Insurable	30 chr EAM FB64W7 6VVZ5IWN4QXFMF4SZSHEA746
28-02	0225	Insurable	30 chr EAM FBR3N4 2QAZY4KGQ3YRVLGUIZWRQ7AF
28-02	0734	Insurable	30 chr EAM FBPF3K BBGO4IOSGU3THTOOMB2LDJQW
28-02	0737	Insurable	30 chr EAM FBEXI2 HCDWTRPNQHJFYXY2R7AOMNDG
28-02	1600	Insurable	30 chr EAM FBLTVG KCCPYEPNEQFA43YCJEYNTOD6
28-02	1603	Insurable	30 chr EAM FB4E4Y KITYINCVHP3X5YR6HFPZHLST
28-02	1713	Insurable	36 chr EAM FGIGQZ BXHHVX3TNS33IZOV7SOSICP4US7OCM
28-02	1833	Insurable	30 chr EAM FG43ZY LWENY4U7FWE6BG47DBPHIEK2

28-02	1854	Insurable	30 chr EAM FBFK5L CR2Q7TGVQBC7CAZWOH6CFIYE
28-02	1856	Insurable	30 chr EAM FBFK5L CR2Q7TGVQBC7CAZWOH6CFIYE
28-02	2033	Insurable	30 chr EAM FBH5VM 3TPWS73VUETNFBHF6H2SUANC
28-02	2234	Insurable	30 chr EAM FBMVLU U5R7X5H4HO6E6HMDOPSGAWIJ
29-02	0137	Immortal	36 chr EAM FGNF3H DZ7Q7EJ2BFEHKIQAOJ6FHI5NUNZBB2
29-02	0207	Immortal	42 chr EAM FG4WAT 7XLXA53S453UWSQH6RKQH67CZAJZLSLXNU
29-02	0310	Immortal	30 chr EAM U5WWZR VW37ZGIIYOVDWPJ5CNIYXNMC
29-02	0731	Immortal	30 chr EAM FBWJDT FZ2Q44SBPXJE6RQUK2RDNMGY
29-02	0742	Immortal	30 chr EAM FBDX3F R7XQOHNUAQNEOKGCRAYSLE37
29-02	0801	Immortal	30 chr EAM FBDX3F R7XQOHNUAQNEOKGCRAYSLE37
29-02	0803	Immortal	30 chr EAM FBWJDT FZ2Q44SBPXJE6RQUK2RDNMGY
29-02	0810	Immortal	30 chr EAM FBUUTI KUPX3S4OEJE6GUQCG2BDXJW
29-02	0813	Immortal	30 chr EAM FBFX3Y CBFKWZTP2TEJX6FI6PJ7UEAV
29-02	0948	Immortal	30 chr EAM FB3RRR ORZ2TB365ZJOEFW3ZSC6WPDR
29-02	1544	Immortal	30 chr EAM FBMWGD MMIRDN5ZWNJHZGLCFRKJZQWO
29-02	1547	Immortal	30 chr EAM FB7QMV 643VELFYM7TH4POU6BK3R25P
29-02	1607	Immortal	30 chr EAM FBGCAG ZHMXQQXQ6TVUNHNZPDCWKTFS
29-02	1610	Immortal	30 chr EAM FB7QMV 643VELFYM7TH4POU6BK3R25P
29-02	1612	Immortal	30 chr EAM FBMWGD MMIRDN5ZWNJHZGLCFRKJZQWO

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by AB, WP3, Gwr, F5JBR, JPL

Strategic messages

- 1) Messages share common number groups after code word
- 2) Messages share common number groups after code word

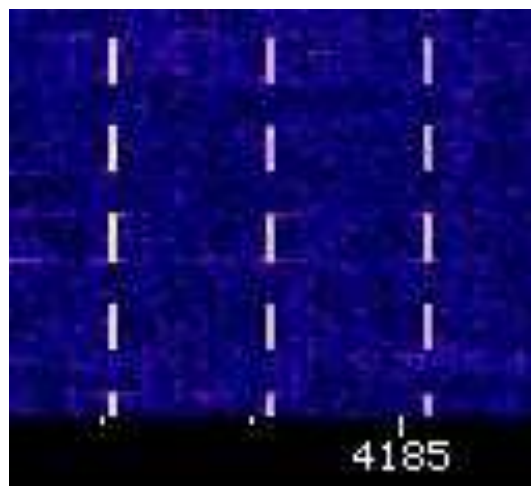
7523 kHz, 04-02, 0652 UTC	XXX XXX LR43 LR43 TEHNIÖESKÄÄ PROWERKA 592 K
7969 kHz, 05-02, 0843 UTC	XXX C1OB 51863 UZKOLISTNYJ 3224 6784 BROMOChTOK 3255 2402 FANTOSUK 3324 1694 SANOMAG 5048 1439 K on 7969//7922//7859 kHz
7922 kHz, 05-02, 0843 UTC	XXX C1OB 51863 UZKOLISTNYJ 3224 6784 BROMOChTOK 3255 2402 FANTOSUK 3324 1694 SANOMAG 5048 1439 K on 7969//7922//7859 kHz
7859 kHz, 05-02, 0843 UTC	XXX C1OB 51863 UZKOLISTNYJ 3224 6784 BROMOChTOK 3255 2402 FANTOSUK 3324 1694 SANOMAG 5048 1439 K on 7969//7922//7859 kHz
7969 kHz, 05-02, 0848 UTC	XXXX C1OB 29919 UGONOWOR 0934 4392 K on 7969//7922//7859 kHz
7922 kHz, 05-02, 0848 UTC	XXXX C1OB 29919 UGONOWOR 0934 4392 K on 7969//7922//7859 kHz
7859 kHz, 05-02, 0848 UTC	XXXX C1OB 29919 UGONOWOR 0934 4392 K on 7969//7922//7859 kHz
6386 kHz, 05-02, 0948 UTC	XXX WEGI 14789 OHRANNICA 7174 6917 ROZYSKNOJ 9155 3745 K
4582 kHz, 05-02, 0950 UTC	XXX ANWF 26859 ANEKDOTEC 8438 1978 K
5838 kHz, 05-02, 0952 UTC	XXX VD9B 94752 TREPANIE 7969 4211 K
5759 kHz, 05-02, 0959 UTC	XXX N1DX F2ET 72045 23139 MERZAWÖIK 7344 4356 SBRUJNYJ 3817 1769 K //5387 kHz
5387 kHz, 05-02, 0959 UTC	XXX N1DX F2ET 72045 23139 MERZAWÖIK 7344 4356 SBRUJNYJ 3817 1769 K //5759 kHz
5894 kHz, 05-02, 1006 UTC	XXX TRHD 36652 AMALONÜH 03485 KONOFUT 2966 8835 K
8191 kHz, 05-02, 1008 UTC	XXX TRHD 09494 GNUSOGRIB 5366 8015 K
8191 kHz, 05-02, 1011 UTC	XXX TRHD 06578 KARIOGNYJ 4695 0367 K
8191 kHz, 05-02, 1016 UTC	XXX TRHD 76392 ZILOPLOD 7129 8559 K
8543 kHz, 05-02, 1018 UTC	XXX 9RPN 10045 BLOKGAUZ 3039 5107 GROCh 5257 5874 K
5066 kHz, 06-02, 1052 UTC	XXX XXX ONG4 ONG4 18565 WYHUHOL' 3110 3340 K //5373 kHz 1)
5373 kHz, 06-02, 1052 UTC	XXX XXX ONG4 ONG4 18565 WYHUHOL' 3110 3340 K //5066 kHz 1)
5386 kHz, 06-02, 1053 UTC	XXX XXX WEGI WEGI 09595 SAMOOTWOD 5734 5928 VLAGALISchchNYJ 8550 9829 PULOZhOM 1827 8440 K 2)
5386 kHz, 06-02, 1057 UTC	XXX XXX G5CX G5CX 27150 UZOROTRAP 8142 3473 K
5361 kHz, 06-02, 1110 UTC	XXX XXX ZhZFY ZhZFY 82196 GETMANSKIJ 0807 7688 K
11155 kHz, 06-02, 1122 UTC	XXX XXX 4B96 4B96 02714 SADVOMELTR 3110 3340 K 1)
5395 kHz, 06-02, 1142 UTC	XXX XXX MRMK MRMK 19974 MYuONOKIL 3110 3340 K 1)
5395 kHz, 06-02, 1151 UTC	XXX XXX PPAM PPAM MRMK MRMK 35287 BOSYaChKA 5734 5928 K 2)

5395 kHz, 06-02, 1154 UTC	XXX XXX PPAM PPAM MRMK MRMK 41086 KRATNYJ 6449 2083 K
3366 kHz, 05-02, 1709 UTC	XXX 9RPN 11235 STREKOTANXE 78806240 K
9311 kHz, 09-02, 0805 UTC	RBL88: XXX TEHNIÖESKAA PROWERKA 592 K
5386 kHz, 13-02, 0945 UTC	XXX XXX WEGI WEGI 68484 TITROBROM 7481 7162 K
7523 kHz, 15-02, 0800 UTC	RBL88: XXX LR43 TEHNIÖESKAA PROWERKA 592 K //9311 kHz
7523 kHz, 16-02, 0800 UTC	RBL88: XXX LR43 TEHNIÖESKAA PROWERKA 592 K //9311 kHz
7523 kHz, 16-02, 0805 UTC	RBL88 wkg RFN77 and RGR99. Radio checks and XXX LR43 TEHNIÖESKAA PROWERKA 592 K
18.1 kHz, 19-02, 1705 UTC	XXX XXX WEGI WEGI 60069 PRÄMIZNA 1336 0668 K
18.1 kHz, 19-02, 1705 UTC	XXX XXX RDL RDL 92148 69018 SONMOFRA 2518 0663 K
21 kHz, 19-02, 1713 UTC	i.p. 7080 90927 GAMOKADR 7646 8489 K
5386 kHz, 20-02, 1035 UTC	XXX XXX WEGI WEGI 54398 OTRAWNYJ 8574 9608 K
5395 kHz, 20-02, 1047 UTC	XXX XXX OYMM OYMM SAIW SAIW 30718 TODERNISK 0711 0405 K
14411 kHz, 05-02, 0953 UTC	RDL: XXX XXX WEGI WEGI 42612 20406 STIHOGLAS 2014 1441
14411 kHz, 05-02, 0957 UTC	RDL: 71872 14789 OHRANNICA 7174 6917 ROZYSKNOJ 9155 3745
14411 kHz, 06-02, 0857 UTC	RDL: XXX XXX RDL RDL 06866 23642 RODNIK 5969 0627
14411 kHz, 06-02, 1047 UTC	RDL: XXX XXX WEGI WEGI 56761 53382 ORSKIJ 5682 8997
14411 kHz, 06-02, 1110 UTC	RDL: XXX XXX WEGI WEGI 71404 09595 SAMOOTWOD 5734 5928 WLAGALIQNYJ 8550
	9829 PULOVOM 1827 8440
14411 kHz, 06-02, 1114 UTC	RDL: XXX XXX RDL RDL 19336 03393 FANFARA 0458 5592
14411 kHz, 06-02, 1117 UTC	RDL: XXX XXX RDL RDL 29002 04046 LVECOBOEW 2500 8925
14411 kHz, 06-02, 1126 UTC	RDL: XXX XXX RDL RDL 88135 72140 MÄÖORYK 5734 5928
7678 kHz, 05-02, 1016 UTC	XXX XXX MFT5 MFT5 10897 PESEC 1763 3864
7678 kHz, 05-02, 1013 UTC	XXX XXX MFT5 MFT5 62843 KBITOKLEW 3817 3064
7678 kHz, 05-02, 1016 UTC	XXX XXX MFT5 MFT5 43264 POSOKRAB 1971 3112
7678 kHz, 05-02, 1259 UTC	73470 ZÄTX 0350 9136
7678 kHz, 05-02, 1348 UTC	XXX XXX MFT5 MFT5 99888 GOLOTURIÄ 5399 6748
7678 kHz, 06-02, 0956 UTC	XXX XXX MFT5 MFT5 59742 PAUKOSTAN 7586 7589
7678 kHz, 06-02, 0957 UTC	XXX XXX MFT5 MFT5 13801 WODOSYSK 7598 7311
7678 kHz, 06-02, 1044 UTC	XXX XXX BNS1 BNS1 7UGL 7UGL 72683 53121 OREHOSTAV 0319 1476
7678 kHz, 06-02, 1046 UTC	XXX XXX MFT5 MFT5 64993 RIFOLÜK 2173 6990
7679 kHz, 05-02, 1247 UTC	XXX XXX WLHN WLHN 78923 09085 78543 35871 FOKOBOBR 4054 3840
7679 kHz, 06-02, 1035 UTC	XXX XXX WEGI WEGI 53382 ORSKIJ 5682 8997
7679 kHz, 06-02, 1055 UTC	XXX XXX G5CX G5CX 37150 UZOROTRAP 8142 3463
10933 kHz, 06-02, 1035 UTC	XXX XXX WEGI WEGI 53382 ORSKIJ 5682 8997
10933 kHz, 06-02, 1053 UTC	XXX XXX 1QRF 1QRF 28648 KWASOLESS 7791 3422
5177 kHz, 26-02, 1124 UTC	XXX XXX T4NK T4NK 37570 MENZUL'NYJ 8163 3867 K (S30 morse equivalent)
5377 kHz, 26-02, 1139 UTC	XXX XXX RADJ RADJ TEHNICHESKAYa PROWEKA K
5373 kHz, 28-02, 1306 UTC	XXX XXX ONG4 ONG4 42383 MEHTROSVAT 2464 5583 K

Monolith stations

Russian military channel markers

5292 kHz, 03-02, 0756 UTC	Channel marker D (often sending N)
9250 kHz, 05-02, 1118 UTC	Buzzer channel marker. Harmonic of 4625 kHz
9250 kHz, 05-02, 0719 UTC	Buzzer channel marker. Harmonic of 4625 kHz
9250 kHz, 07-02, 0719 UTC	Buzzer channel marker. Harmonic of 4625 kHz
4770 kHz, 07-02, 2118 UTC	Alarm channel marker
4625 kHz, 07-02, 2119 UTC	Buzzer channel marker
4182 kHz, 07-02, 2119 UTC	Dash channel marker (picture left)
3510 kHz, 07-02, 2119 UTC	Air horn channel marker
3243 kHz, 07-02, 2119 UTC	Goose channel marker
3850 kHz, 07-02, 2119 UTC	Baron-58 noise channel marker
3828 kHz, 07-02, 2119 UTC	Squeaky Wheel channel marker
3756 kHz, 07-02, 2119 UTC	Pip channel marker
9250 kHz, 09-02, 0900 UTC	Buzzer channel marker. Harmonic of 4625 kHz
9250 kHz, 10-02, 0742 UTC	Buzzer channel marker. Harmonic of 4625 kHz
9250 kHz, 12-02, 0957 UTC	Buzzer channel marker. Harmonic of 4625 kHz



Southern District

- 1) Messages share common number groups after code word
- 2) Messages share common number groups after code word

Vega-33 / N'ZhJ - Southern Military District

5372 kHz, 06-02, 1102 UTC	N'ZhJ 01612 NYeFRYeMYeNNYJ 8622 1324
5372 kHz, 06-02, 1149 UTC	N'ZhJ 61986 IZYuMOPIRS 0640 6804
5372 kHz, 06-02, 1151 UTC	N'ZhJ 18258 ZVYaKOBYeJ 5734 5928 2)
5372 kHz, 06-02, 1152 UTC	N'ZhJ 21568 JOTOTROG 5442 2952
5372 kHz, 13-02, 1020 UTC	N'ZhJ 61312 MATINYe 6124 4367
5372 kHz, 13-02, 1150 UTC	N'ZhJ 13534 LYeNINA 8053 9670
5372 kHz, 20-02, 1040 UTC	Unreadable due to heavy fault on microphone/squelch N'ZhJ YeHIDNY 11**
5372 kHz, 20-02, 1110 UTC	N'ZhJ - equipment failure, nothing heard asides "N'ZhJ", "Yelyena" and "96"
5372 kHz, 26-02, 1144 UTC	N'ZhJ 37263 INDOLAG 8878 4042
5372 kHz, 28-02, 1321 UTC	N'ZhJ 63672 OVINOKLYK 5805 6565. Pip marker and a telephone call in the background
5372 kHz, 28-02, 1322 UTC	N'ZhJ 87624 NAKIDYVAN'Ye 2066 1739

S30 Pip – Southern Military District

3756 kHz, 05-02, 1700 UTC	97323 BORTOGOD 5221 2171
5448 kHz, 06-02, 1014 UTC	8MUO TUZR 517Shch DMC3 49FT C2ZA ShchGJP TZLM FY5Ye F61N
5448 kHz, 06-02, 1057 UTC	8S1Shch 63805 D'YaKODIM 9886 0840
6922 kHz, 06-02, 1101 UTC	8S1Shch 47878 KRAPINKA 3110 3340 4940 1)
6922 kHz, 06-02, 1104 UTC	8S1Shch 24992 IMBIRNYJ 5734 5928 2)
6922 kHz, 06-02, 1106 UTC	8S1Shch 73626 KLIKOLGU 5029 0857
6922 kHz, 06-02, 1117 UTC	8S1Shch 35184 MENOLYaZG 1827 2271 (no follow up from squeaky wheel)
3756 kHz, 06-02, 1515 UTC	8S1Shch 22371 ZOVOLYaZG 3988 0782
3756 kHz, 06-02, 1640 UTC	37CN MUDR 7VNSHch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C
5448 kHz, 13-02, 0950 UTC	8S1Shch 79423 APAShOZhLOB 8697 0680
5448 kHz, 13-02, 1129 UTC	8S1Shch 01906 NARDOMYuL' 0921 4606
5448 kHz, 14-02, 1156 UTC	6OBC HCBF 75456 86800 ZhYeMANNICA 5617 9110 MALAHAJ 3244 9326. No follow up from S32. Callsigns are spoofed versions of regular Pip callsigns BO6C and HCLF
3756 kHz, 14-02, 1651 UTC	Y8VM 6I2Zh 8CSchhJ 27Shch' N1DU 53OB 78MV DYeAY JH'J 12CI
5448 kHz, 20-02, 1018 UTC	8S1Shch AVANTYuRIZM 5545
5448 kHz, 20-02, 1047 UTC	8S1Shch 08971 MORION 5905 4884
5448 kHz, 20-02, 1320 UTC	PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z'
5448 kHz, 26-02, 1121 UTC	8S1Shch 37570 MYeNZUL'NYJ 8163 3867
5448 kHz, 28-02, 1250 UTC	8S1Shch 70946 DIOPTRIKA 5675 9056
5448 kHz, 28-02, 1300 UTC	8S1Shch 96843 VOROVATYJ 7955 0548

S32 Squeaky Wheel – Southern Military District

5473 kHz, 05-02, 1708 UTC	Al'fa-45 91602 PLAC 0701 4452
5473 kHz, 06-02, 1104 UTC	Al'fa-45 37805 GASHYeNYJ 0113 9772
5473 kHz, 06-02, 1109 UTC	Al'fa-45 82196 GYeTMANSKIJ 0807 7688
5473 kHz, 06-02, 1114 UTC	Al'fa-45 17082 KOSMOGRAFIYa 3047 9827
5473 kHz, 06-02, 1116 UTC	Al'fa-45 46698 MARTODZhUT 3446 0231
5473 kHz, 06-02, 1520 UTC	Al'fa-45 48142 ZAKROJShchICA 4377 1087
5473 kHz, 13-02, 0945 UTC	Al'fa-45 00189 LYuFTOZMYeJ 8493 8652
5473 kHz, 13-02, 1137 UTC	Al'fa-45 28113 ANARHICHNYJ 7500 1405
5473 kHz, 20-02, 1030 UTC	Al'fa-45 BANDARKA 9674
5473 kHz, 20-02, 1052 UTC	Al'fa-45 94818 KAPITAL 3213 0561
5473 kHz, 26-02, 1125 UTC	Al'fa-45 47780 KLYuVOChAN 0872 3501
5473 kHz, 27-02, 1128 UTC	Al'fa-45 43003 GURTROTAT 3967 0668. No S30 message beforehand, no Vega-33 afterwards.
5473 kHz, 28-02, 1255 UTC	Al'fa-45 43030 GURTROTAT 3967 0669. Same as 27-2 with header slightly changed and last digit incremented by one!!
5473 kHz, 28-02, 1305 UTC	Al'fa-45 83631 NAPRYaZhYeNIYe 6514 6851

Baron-58 – Southern Military District

3850 kHz, 12-02, 1455 UTC

Tros-28 ya Baron-78 Baklan 34338 **MYeROChKA 9516 6644**

Note from Gwraspe:

The same message with a different header was sent on

15-01, 1600 UTC: Tros-28 ya Baron-78 Baklan 38230 **MYeROChKA 9516 6644**

and on 28-01, 1402 UTC: Tros-28 ya Baron-78 Baklan 06695 **MYeROChKA 9516 6644**

Other Monolit stations

5256 kHz, 25-02, 1350 UTC

Vyermut-27 50149 MOZG 6229

5373 kHz, 25-02, 1354 UTC

Gipnoz-79 50149 MOZG 6229

Note from Gwraspe:

Very uncommon message would retain header group when given for different callsigns, I am in fact personally only aware of one other instance in which 3 monolit messages in CW were given for 3 different callsigns but contained 100% verbatim content - even stranger I only learned of those ten minutes or so before this message [50149 MOZG 6229] occurred!! Spooky.

Russian military morse transmissions

M32 - Russian / CIS Military CW Stations

12152 kHz, 07-02, 0847 UTC, i.p.

537 23194 60849 11058 48713 86369 24025 61681 99336 07018 =

182 22 7 1142 182 = 096 =

48752 89546 27202 64858 11928 46468 41001 21758 62551 97069

34725 72381 16313 53969 91625 29281 66937 10869 54801 92456

07020 K

M32a - Russian Navy

6290 kHz, 01-02, 0640 UTC. RGR76 wkg RIT

QTC SML 254 15 10905 254 = SML FOR RJH45 RJD38 =

01061 99551 10179 44/95 92308 10056 49983 54003 70244 8//// 32262 01011 =

AR RGR76 K

<https://goo.gl/maps/uyyrynzv5vgYmf6T2A>



3877.5 kHz, 07-02, 1914 UTC Russian Navy. Caspian Sea fleet

VVV RIF94 DE RJD52 QSA ? K

RJD52 DE RIF94 QSA 3 K

RJD52 QSA 1 QDW 4990 K (RIF94 replied but faded out)

RJD52 R K (Checked 4990kHz. Carrier on frequency)

18.1 kHz, 13-02, 1105 UTC

KZJT KJZT 85971 37316 120 =
11111 81591 56033 64675 32703 38366 65180 48743 84738 93312
31752 90050 32748 79960 39108 37610 91970 60274 91221 63892
09491 58122 15413 14917 15856 82111 96539 59627 35461 47566
13030 = K

18.1 kHz, 20-02, 1309 UTC UUU RDL RDL RDL 00195 35581 00195 35581 00195 35581 K

18.1 kHz, 20-02, 1512 UTC UUU RDL RDL RDL 98811 57085 98811 57085 98811 57085 K

M32b - Russian Naval Air Transport

8816 kHz, 03-02, 0803 UTC

RJF94 RJC38 DE 30684 QTH 16226 13618 QTR 0800 QBG 5800 K
QTH 15840 13755 QTR 0906 QBD 0230 K
QQM XUMO 1010 SK

8816 kHz, 03-02, 1131 UTC

RJF94 RJC38 DE 30684 QTO 1120 QRD XLWF XUMO QRE 1250 QBD 0500 K
QTH 15839 13838 QTR 1219 QBG 4000 K
QQM XLWF 1231 SK

8816 kHz, 03-02, 1333 UTC

RJF94 RJC38 DE 45941 QTO 1320 QRD XLLV XLMD QRE 1445 QBD 0400 K
QQM XLLV 1458 SK

8816 kHz, 03-02, 1409 UTC

RJF94 RJC38 DE 30684 QTO 1405 QRD XLAA XLWF QRE 1535 QBD 0500 K
QTH 16241 13935 QTR 1505 QBG 5200 K
QQM XLAA 15.. SK

8816 kHz, 03-02, 1651 UTC

RJF94 RJC38 DE 30684 QTO 1640 QRD XLMD XLAA QRE 1830 QBD 0500 K
QTH 16654 13449 QTR 1740 QBG 5500 K

8816 kHz, 20-02, 0729 UTC

RJF94 RJC38 DE 08125 QQM XLAA 0728 SK

8816 kHz, 20-02, 1001 UTC

RJC38 RJF94 DE 08125 QTO 0950 QRD XLAM XLAA QRE 1110 QBD 0800 K
QQM XLAM 1110 SK

8816 kHz, 20-02, 1240 UTC

RJC38 RJF94 DE 08125 QTO 1232 QRD XUYK XLAM QRE 1310 QBD 0500 K
QQM XUYK 1336 SK

8816 kHz, 25=02, 0855 UTC

RJF94 RJC38 DE 08125 QTH 16351 13519 QTR 0851 QBG 3900 QBD 0530 K
QTH 16001 13745 QTR 0939 QBG 4900 QBD 0430 QRE XUMO 1040 K
QQM XUMO 1044 SK

8816 kHz, 25=02, 1210 UTC

RJF94 RJC38 DE 08125 QTO 1200 QRD XLWF XUMO QRE 1310 QBD 0800 K
QQM XLWF 1309 SK

Russian Navy T-600 transmissions

7051 kHz, 07-02, 0510 UTC, T-600

Sync 1EB41EB2952

Session Key: 16 62 61 51 07 46 1A 2C 13 1C
52 4A 1A 62 16 15 31 25 1C 16
16 0B 38 43 0B 2A 68 70 64 0B
1C 52 68 0B 32 52 64 70 0E 68
43 58 46 54 0E 34 0B 4A 54 31
4C 58 26 61 70 51 54 31 13 54
<EOM><EOM><EOM>

7051 kHz, 07-02, 0515 UTC, T-600

Sync 1EB41EB2952

Session Key: 64 54 26 61 68 0D 4A 31 32 1A
1A 2A 32 62 46 2C 64 34 4C 64
2A 0D 51 2A 07 0B 31 13 07 51
62 68 26 61 1A 61 4C 13 07 32
32 43 62 16 15 2A 19 34 32 07
0D 1C 52 25 19 38 4C 61 13 16
<EOM><EOM><EOM>

7051 kHz, 07-02, 0515 UTC, T-600

Sync 1EB41EB2952

Session Key: 34 25 68 4A 1A 34 4A 61 43 70
0E 34 0E 07 1C 31 0E 25 61 25
62 34 31 26 4C 68 15 38 19 0B
15 0B 64 0E 70 32 31 2C 4C 54
31 52 23 1C 51 44 4A 23 26 07
46 32 2C 1C 34 51 4C 2C 32 23
<EOM><EOM><EOM>

7051 kHz, 07-02, 0525 UTC, T-600

Sync 1EB41EB2952

Session Key: 0D 15 0D 68 0E 58 15 58 38 52
0D 25 32 1A 4A 34 58 26 43 64
31 51 38 46 46 0D 07 26 54 2C
0E 2A 16 46 70 70 2C 58 58 54
0B 1C 2C 52 34 0D 51 4A 52 38
13 2A 46 4A 19 19 0B 62 46 54
<EOM><EOM><EOM>

7051 kHz, 07-02, 0535 UTC, T-600

Sync 1EB41EB2952

Session Key IS 51 70 62 23 61 15 16 4A 70 16
2A 61 52 4C 70 23 19 26 4C 07
64 58 23 2C 54 4C 4C 4A 52 58
52 31 13 2C 46 0B 34 4C 0E 25
58 32 13 15 0D 0B 0B 58 32 54
07 26 61 0E 4C 52 54 07 23 15
<EOM><EOM><EOM>

5450.5 kHz, 08-02, 2105 kHz, T-600

Sync 1414BEBE952

Session Key: 46 13 58 68 43 2A 68 07 51 51
0B 15 31 2C 4A 31 46 38 2C 1A
34 13 0E 4A 23 58 54 31 4C 52
58 64 4C 15 70 23 2A 31 34 1C
34 26 26 34 52 19 07 32 19 58
4C 07 0B 34 13 0E 1C 43 43 0B
19 61 2A 61 0B 25 23 68 07 34
13 52 2C 68 26 0E 34 0D 13 52
32 68 68 1C 13 43 46 62 4A 58
46 32 68 61 15 1C 1A 13 16 2C
61 68 43 46 43 38 46 2C 16 2A
4C 2A 0D 1C 2C 68 0D 23 2C 23
2A 1C 4C 25 <EOM><EOM><EOM>

8006 kHz, 07-02, 1422 UTC, T-600

Sync 1EB41EB2952

Session Key: 0E 13 46 26 1A <ERROR> 1C 2C 43 16
19 2A 1C 43 0B 07 62 54 46 4C 62 16 51 54 0B 70
43 25 4A 2C 16 51 0E 62 0B 4A 70 34 32 61 4A 13
19 58 46 15 32 19 1A 52 70 68 23 68 31 52 52 70
38 64 26 31 61 61 32 52 25 58 43 16 62 25 2C 23
07 58 0D 51 4A 4A 1C 2A 25 62 4A 54 34 31 19 07
62 62 16 25 4C 19 46 52 07 2C 16 4A 38 2A 25 61
46 32 52 70 0B 15 15 61 0E 54 43 31 62 4A 58 62
07 25 2C 62 52 25 0B 0B 61 70 34 1C 23 0D 0B 52
70 46 13 4C 68 4A 34 70 16 26 43 43 38 64 68 68
26 68 16 54 64 15 26 70 13 15 68 54 1A 32 46 07
52 13 58 16 61 43 4C 0D 70 16 52 25 4C 64 64 4A
32 1A 68 1A 0B 13 43 0B 1A 62 25 52 39 38 19 25
58 0D 15 34 25 1C 16 25 52 13 70 43 0D 26 13 25
1A 0E 52 54 26 51 31 15 61 52 2C 34 13 31 23 68
46 15 4C 0D 1A 51 0B 51 26 4C 61 61 43 64 07 16
70 51 0E 54 1A 54 13 2C 13 2A 51 43 0B 0E 0B 52
23 07 46 32 61 0D 07 13 32 62 2C 16 07 15 0D 52
52 4C 64 38 15 52 61 15 2C 4A 2C 58 54 70 0E 0E
23 43 2A 0D 23 0E 68 54 58 38 68 0B 0D 32 25 0B
38 4C 58 19 54 0E 70 0E 34 1A 32 1C 61 54 64 0B
43 62 64 34 2A 26 4A 43 38 58 54 54 31 1A 52 68
38 54 34 4A 2A 68 38 54 62 25 07 0E 4C 0E 54 62
34 1A 19 54 68 1A 52 51 0D 70 15 58 13 0B 0E 46
1A 23 19 62 52 62 1C 34 19 68 31 2A 2A 70 2A 2C
16 62 68 26 32 4A 46 34 15 23 07 4A 0B 68 19 62
4C 0B 0E 68 34 16 0E 51 25 52 38 34 07 4C 58 38
70 34 64 62 70 2C 16 15 2C 52 68 4A 25 25 43 2A
13 26 51 26 68 46 34 2C 64 23 62 23 4A 26 68 61
19 64 13 4C 2C 43 07 58 4A 64 51 32 43 15 1A 32
15 68 07 07 64 25 46 0B 0B 25 13 0B 19 15 62 43
1A 07 19 62 07 0B 46 07 07 61 70 52 2C 58 34 62
15 4C 1C 0B 19 46 4C 13 70 15 38 34 51 31 54 51
54 52 1A 46 46 25 23 2A 54 07 4A 70 51 0B 23 70
34 62 43 43 1A 1A 68 0D 70 64 61 34 13 0B 0E 54
46 32 34 43 25 15 52 0B 64 1C 16 0B 2C 61 07 64
62 34 0D 15 58 07 0E 46 52 19 52 34 64 54 2A 16
19 0E 43 58 0B 61 34 0B 54 4C 26 58 52 25 64 34
2A 4C 61 34 1A 23 46 46 70 15 25 07 61 58 31 26
38 2C 0D 0E 1C 61 1A 58 1A 61 15 13 32 61 1A 15
13 16 52 1C 1C 0D 0D 1C 25 19 07 0D 52 26 70 64
13 38 23 16 38 62 0D 64 2C 62 70 15 68 23 62 2C
1C 2A 31 61 68 0B 2A 52 15 46 15 26 58 2C 43 0D
16 4A 64 34 4A 46 15 64 0B 16 68 2A 25 2A 68 32
46 07 32 26 62 4A 13 07 0B 25 25 26 32 31 62 46
13 15 68 62 23 51 25 23 52 2A 51 31 46 4A 62 23
26 38 4A 2A 07 2A 1A 62 61 34 70 38 54 64 4C 4C
07 68 4C 51 1C 46 19 70 4A 58 26 32 0D 54 31 1C
43 64 52 0D 61 52 58 25 2C 58 25 0B 34 4C 13 70
4A 61 13 4C 62 13 58 0B 4C 54 32 70 68 19 23 52
32 51 1A 31 0D 62 32 58 64 4A 0D 31 0B 13 26 1C
34 0E 2C 15 23 16 58 51 31 15 0B 4C 1C 19 34 51
4C 62 07 46 32 0B 0E 0B 38 16 54 31 54 58 0E 0B
0E 46 26 51 31 0D 13 32 2C 23 0E 31 0D 13 58 2C
58 1C 64 32 64 2C 19 34 1A 0B 4C 68 68 16 0D 07
15 32 38 51 38 52 1C 61 1C 51 1C 19 16 16 34 23
61 43 68 1A 51 26 1A 70 2A 13 19 31 62 07 70 58
25 26 15 68 38 26 2A 0E 0D 15 68 0E 16 46 19 4A
46 19 34 58 19 70 0B 64 0D 16 16 32 34 64 0B 43
0D 2C 70 07 25 13 52 0D <EOM><EOM><EOM>

5450.5 kHz, 08-02, 2105 kHz, T-600

Sync 1414BEBE952

Session Key: 19 25 0E 4C 0E 0E 0E 0B 23
51 19 0E 51 0E 4C 46 58 07 38
68 54 58 32 25 68 4C 32 38 13
15 54 16 2A 07 25 46 62 38 68
58 31 62 0E 34 38 43 15 15 15
61 70 32 64 58 07 58 1C 46 61
1C 23 4A 43 43 1A 4A 32 16 13
13 54 4C 4C 58 51 54 64 2C 62
52 51 26 13 0D 34 70 0D 32 32
70 19 0B 61 46 0D 25 68 26 52
58 4A 61 46 62 2A 62 51 43 23
16 4A 23 68 07 62 2C 16 1C 32
07 34 16 4C 34 32 38 0D 68 19
<EOM><EOM><EOM>

11486 kHz, 10-02, 1534 UTC, T-600

Sync 1414BEBE952

Session Key: 54 34 26 2C 4C 52 2C 62 64 1C
0E 13 19 25 46 62 07 46 46 31 4A 26 19 46
0E 23 0B <EOM><EOM><EOM>

11486 kHz, 10-02, 1544 UTC, T-600

Sync 1414BEBE952

Session Key: 52 4A 07 38 13 61 2C 68 52 0D
26 61 62 16 58 64 07 51 38 70
07 0D 25 4A 26 52 2C
<EOM><EOM><EOM>

11486 kHz, 10-02, 1547 UTC, T-600

Sync 1414BEBE952

Session Key: 23 70 32 52 07 34 2C 15 1C 51
70 0D 52 46 68 43 07 23 1C 4A
25 1C 32 1C 58 4A 32 70 0D 68
51 23 16 52 25 52 62 0E 4A 70
54 0D 25 68 51 70 <EOM><EOM><EOM>

11486 kHz, 10-02, 1548 UTC, T-600

Sync 1414BEBE952

Session Key: 23 70 32 52 07 34 2C 15 1C 51
70 0D 52 46 68 43 07 23 1C 4A
25 1C 32 1C 58 4A 32 70 0D 68
51 23 16 52 25 52 62 0E 4A 70
54 0D 25 68 51 70 <EOM><EOM><EOM>

13064 kHz, 11-02, 1435 UTC, T-600

Sync 1EB41EB2952

Session Key: IS 4C 54 1C 68 51 70 2A 54 43 34
64 26 58 2C 52 07 51 62 2C 4A
4A 68 15 13 58 64 62 0B 38 0E
52 64 2A 2A 4C 70 2C 25 31 2C
23 4C 07 52 0E 52 26 58 54 38
1C 62 13 15 0D 4A 17 63 74
<EOM><EOM><EOM>

4367.5 kHz, 19-02, 2205 UTC, T-600

Sync 1EB41EB2952

Session Key: 1C 61 1C 32 07 4C 26 2C 25 1A
2A 52 31 19 15 0E 64 52 1C 4A
13 34 51 0B 31 1A 19 54 43 64
15 31 1C 43 46 51 62 43 31 23
62 31 43 64 43 43 07 19 0E 19
62 19 34 52 26 62 26 70 13 38
<EOM><EOM><EOM>

13064 kHz, 11-02, 1444 UTC, T-600

Sync 1EB41EB2952

Session Key: 61 2C 0B 46 64 31 43 0E 0D 25
54 2C 46 31 0B 51 31 15 07 2A
4C 2C 25 54 13 4C 34 0B 52 07
0D 43 31 0B 51 43 0B 1C 2A 58
43 64 38 61 64 46 4C 25 07 2A
46 61 51 0B 62 0D 4C 62 4C 19
0D 31 23 15 0D 1A 52 52 07 1C
0E 16 1A 4C 0D 0D 0E 1C 51 16
1A 0B 52 38 68 0E 25 1A 4A 31
46 52 34 64 0D 34 68 15 34 61
31 07 07 62 52 15 58 23 38 1C
38 46 07 51 43 51 64 31 23 2C
68 16 4C 16 34 13 19 61 26 16
0E 51 31 1C 31 70 61 38 0B 62
68 16 2C 52 70 43 2A 0E 2A 4C
38 1C 16 1A 61 19 32 32 52 58
<EOM><EOM><EOM>

4367.5 kHz, 19-02, 2045 UTC, T-600

Sync 1EB41EB2952

Session Key: 13 1A 23 25 52 25 2A 51 52 4C
16 2A 00 4A 19 51 2A 07 07 62
0B 15 15 58 16 31 1C 16 70 2A
31 4A 51 1C 4C 25 4C 68 68 51
23 58 70 07 19 1A 62 64 1C 32
23 1A 4A 0E 0D 13 38 1A 68 46
16 68 1C 34 23 1A 61 25 2C 43
25 68 43 68 4A 1A 0D 23 15 61
46 38 4C 07 52 16 2C 54 16 25
70 25 15 52 0D 51 34 51 2C 15
54 52 52 15 68 61 16 0D 0E 34
68 31 0D 38 1A 32 15 13 07 31
68 54 4A 58 25 1A 4A 70 1A 38
23 26 1C 23 52 <EOM><EOM><EOM>

4367.5 kHz, 19-02, 2112 UTC, T-600

Sync 1EB41EB2952

Session Key: 2C 16 2A 62 46 68 31 2A 19 68
0D 54 34 52 23 34 13 58 26 43
31 64 38 1C 16 70 1C 31 0D 58
68 19 13 38 26 15 43 51 2A 52
4A 61 07 0B 25 43 38 4A 62 58
0B 2A 70 52 52 54 19 34 52 46
<EOM><EOM><EOM>

4367.5 kHz, 19-02, 2204 UTC, T-600

Sync 1EB41EB2952

Session Key: 26 19 62 61 64 52 07 0D 58 2C
58 68 61 1C 64 62 54 0B 19 16
16 31 1C 64 68 2A 0D 4A 16 2C
15 68 32 54 0E 19 31 31 23 26
2C 26 0B 62 64 52 70 46 51 54
2C 07 1A 15 54 70 51 23 23 1A
<EOM><EOM><EOM>

LOGS SECTION

Code	Freq	Date	UTC	Day	Veld0	mode	ctrb
---	7055	1-2	1054	Sat	Russian-Ukrainian radio war. Various stations on top of each other	LSB	(AB)
---	5292	3-2	0756	Mon	Channel marker D (often sending N)	USB	(AB)
---	5372	6-2	1102	Thu	N'ZhJ 01612 NYeFRYeMYeNNYJ 8622 1324	USB	(Gwr)
---	5372	6-2	1149	Thu	N'ZhJ 61986 IZyUMOPIRS 0640 6804	USB	(Gwr)
---	5372	6-2	1151	Thu	N'ZhJ 18258 ZVYaKOBYeJ 5734 5928	USB	(Gwr)
---	5372	6-2	1152	Thu	N'ZhJ 21568 JOTOTROG 5442 2952	USB	(Gwr)
---	3750	7-2	1702	Fir	FFL FFL FFL DE FZL FZL QCO5 Q... K //5721 kHz	CW	(JPL-RUS)
---	5721	7-2	1702	Fir	FFL FFL FFL DE FZL FZL QCO5 Q... K //3750 kHz	CW	(JPL-RUS)
---	4770	7-2	2118	Fir	Russian military: Alarm channel marker	USB	(AB)
---	3510	7-2	2119	Fir	Russian military: Airhorn channel marker	USB	(AB)
---	3850	7-2	2119	Fir	Russian military: Baron-58 noise channel marker	USB	(AB)
---	3243	7-2	2119	Fir	Russian military: Goose channel marker	USB	(AB)
---	4182	7-2	2119	Fir	Russian military: Dash channel marker	USB	(AB)
---	3850	12-2	1455	Wed	Tros-28 ya Baron-78 Baklan 34338 MYeROChKA 9516 6644	USB	(Gwr)
---	5372	13-2	1020	Thu	N'ZhJ 61312 MATINYe 6124 4367	USB	(Gwr)
---	5372	13-2	1150	Thu	N'ZhJ 13534 LYeNINA 8053 9670	USB	(Gwr)
---	3243	13-2	2125	Thu	Russian military. Goose channel marker	USB	(AB)
---	4770	13-2	2128	Thu	Russian military. Alarm channel marker	USB	(AB)
---	5292	13-2	2129	Thu	Russian military. D channel marker (often sending N)	USB	(AB)
---	4182	13-2	2130	Thu	Russian military. Dash channel marker	USB	(AB)
---	3850	13-2	2132	Thu	Russian military. Baron-58 noise channel marker	USB	(AB)
---	7055	19-2	1434	Wed	Russian-Ukrainian radio war	LSB	(AB)
---	5372	20-2	1040	Thu	transmission not received properly due to heavy fault on microphone/squelch N'ZhJ YeHIDNY 11**	USB	(Gwr)
---	5372	20-2	1110	Thu	N'ZhJ - equipment failure, nothing heard asides N'ZhJ, Yelyena and 96	USB	(Gwr)
---	5256	25-2	1350	Tue	Vyermut-27 50149 MOZG 6229	USB	(Gwr)
---	5373	25-2	1354	Tue	Gipnoz-79 50149 MOZG 6229	USB	(Gwr)
---	5372	26-2	1144	Wed	N'ZhJ 37263 INDOLAG 8878 4042	CW	(Gwr)
---	7055	27-2	1240	Thu	Russian-Ukrainian radio war	LSB	(AB)
---	5372	28-2	1321	Fir	N'ZhJ 63672 OVINOKLYK 5805 6565. Pip marker and a telephone call audible in the background	USB	(Gwr)
---	5372	28-2	1322	Fir	N'ZhJ 87624 NAKIDYVAN'Ye 2066 1739	USB	(Gwr)
CW	5153.8	18-2	1712	Tue	Beacon P, Kaliningrad	CW	(AB)
DPRK	13380	4-2	1335	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13365	5-2	0804	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13333	5-2	0805	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12750	5-2	0806	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13365	10-2	0800	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)

DPRK	13365	11-2	1431	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13365	12-2	0800	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13333	12-2	0807	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12750	12-2	0807	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13333	24-2	1323	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13365	24-2	1323	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13380	24-2	1334	Mon	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13365	25-2	1309	Tue	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13415	26-2	0632	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12488	26-2	1037	Wed	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	12750	27-2	1233	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13415	27-2	1236	Thu	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
DPRK	13380	29-2	1324	Sat	North Korean diplo i.p.	DPRK-ARQ 600 LSB	(AB)
E06	17470	6-2	0600	Thu	702 196 54 38308 51179 28453 ... 82188 83363 24168 196 54 00000	USB	(HFD)
E06	20085	6-2	0700	Thu	702 196 54 38308 51179 28453 ... 82188 83363 24168 196 54 00000	USB	(AB-RUS/HFD)
E06	4836	6-2	2030	Thu	321 406 42 45671 65736 96930 ... 57693 48690 03856 406 42 00000	USB	(AB)
E06	20085	7-2	0700	Fir	702 196 54 38308 51179 28453 ... 82188 83363 24168 196 54 00000	USB	(AB-RUS)
E06	4760	7-2	2130	Fir	472 472 472 00000 and 472 406 42 45671 65736 96930 ... 57693 48690 03856 406 42 00000	USB	(AB)
E06	20090	20-2	0700	Thu	702 368 51 13488 83763 43499 ... 83996 74872 46959 368 51 00000	USB	(AB-RUS)
E06	4836	20-2	2030	Thu	321 242 44 31532 37905 68553 ... 66753 78203 80329 38780 242 44 00000 Windows XP shutdown sound	USB	(AB)
E06	17465	21-2	0600	Fir	702 368 51 13488 83763 43499 ... 83996 74872 46959 368 51 00000	USB	(AB-RUS)
E06	20085	21-2	0700	Fir	702 368 51 13488 83763 43499 ... 83996 74872 46959 368 51 00000	USB	(AB-RUS)
E06	4760	21-2	2130	Fir	472 242 44 31532 37905 68553 ... 66753 78203 80329 38780 242 44 00000 Windows XP shutdown sound	USB	(AB)
E07	11464	1-2	1400	Sat	472 472 472 000	USB	(AB/HFD)
E07	13368	1-2	1410	Sat	745 745 745 1 2602 78 2602 78 14202 31975 65006 ... 44337 92487 08648 000 000	USB	(AB/MPJ/HFD)
E07	10764	1-2	1420	Sat	472 472 472 000	USB	(AB/HFD)
E07	12168	1-2	1430	Sat	745 745 745 1 2602 78 2602 78 14202 31975 65006 ... 44337 92487 08648 000 000	USB	(AB/MPJ/HFD)
E07	11168	1-2	1450	Sat	745 745 745 1 2602 78 2602 78 14202 31975 65006 ... 44337 92487 08648 000 000	USB	(AB/MPJ/HFD)
E07	8144	2-2	1800	Sun	197 197 197 000	USB	(AB)
E07	6944	2-2	1820	Sun	197 197 197 000	USB	(AB)
E07	8157	3-2	2000	Mon	182 182 182 000	USB	(AB/HFD)
E07	6857	3-2	2020	Mon	182 182 182 000	USB	(AB/HFD)
E07	15823	4-2	0700	Tue	836 1 346 112 346 112 21785 08671 65186 ... 84744 94602 08152 000 000	USB	(AB-RUS)
E07	16323	4-2	0720	Tue	836 1 346 112 346 112 21785 08671 65186 ... 84744 94602 08152 000 000	USB	(AB-POL)
E07	18623	4-2	0740	Tue	836 1 346 112 346 112 21785 08671 65186 ... 84744 94602 08152 000 000	USB	(AB-QAT)
E07	16161	4-2	1100	Tue	163 163 163 1 116 54 116 54 17572 62543 69754 ... 52557 34750 69926 000 000	USB	(AB/HFD)
E07	14661	4-2	1120	Tue	163 163 163 1 116 54 116 54 17572 62543 69754 ... 52557 34750 69926 000 000	USB	(AB/HFD)
E07	13361	4-2	1140	Tue	163 163 163 1 116 54 116 54 17572 62543 69754 ... 52557 34750 69926 000 000	USB	(AB/HFD)

E07	8144	5-2	1800	Wed	197 197 197 000	USB	(AB)
E07	6944	5-2	1820	Wed	197 197 197 000	USB	(AB)
E07	8157	5-2	2000	Wed	182 182 182 000	USB	(AB)
E07	6857	5-2	2020	Wed	182 182 182 000	USB	(AB)
E07	13368	6-2	1410	Thu	745 745 745 000	USB	(AB/MPJ)
E07	12168	6-2	1430	Thu	745 745 745 000	USB	(AB/MPJ)
E07	15823	7-2	0700	Fir	836 1 346 112 346 112 21785 08671 65186 ... 84744 94602 08152 000 000	USB	(AB-QAT)
E07	16323	7-2	0720	Fir	836 1 346 112 346 112 21785 08671 65186 ... 84744 94602 08152 000 000	USB	(AB-QAT)
E07	18623	7-2	0740	Fir	836 1 346 112 346 112 21785 08671 65186 ... 84744 94602 08152 000 000	USB	(AB-QAT)
E07	16161	7-2	1100	Fir	163 163 163 1 116 54 116 54 17572 62543 69754 ... 52557 34750 69926 000 000	USB	(AB/MPJ)
E07	14661	7-2	1120	Fir	163 163 163 1 116 54 116 54 17572 62543 69754 ... 52557 34750 69926 000 000	USB	(AB/MPJ)
E07	13361	7-2	1140	Fir	163 163 163 1 116 54 116 54 17572 62543 69754 ... 52557 34750 69926 000 000	USB	(AB/MPJ)
E07	11464	8-2	1400	Sat	472 472 472 1 988 279 988 279 88420 03454 58780 ... 64921 82408 03573 000 000	USB	(MPJ)
E07	13368	8-2	1410	Sat	745 745 745 000	USB	(MPJ)
E07	12168	8-2	1430	Sat	745 745 745 000	USB	(MPJ)
E07	10764	8-2	1435	Sat	472 472 472 1 988 279 988 279 88420 03454 58780 ... 64921 82408 03573 000 000	USB	(MPJ)
E07	9264	8-2	1510	Sat	472 472 472 1 988 279 988 279 88420 03454 58780 ... 64921 82408 03573 000 000	USB	(MPJ)
E07	9326	9-2	0700	Sun	345 345 345 1 988 279 988 279 88420 03454 58780 ... 64921 82408 03573 000 000	USB	(AB/HFD)
E07	10426	9-2	0735	Sun	345 345 345 1 988 279 988 279 88420 03454 58780 ... 64921 82408 03573 000 000	USB	(AB/HFD)
E07	11526	9-2	0810	Sun	345 345 345 1 988 279 988 279 88420 03454 58780 ... 64921 82408 03573 000 000	USB	(AB/HFD)
E07	8144	9-2	1800	Sun	197 197 197 000	USB	(AB/HFD)
E07	6944	9-2	1820	Sun	197 197 197 000	USB	(AB/HFD)
E07	8157	10-2	2000	Mon	182 182 182 000	USB	(AB/RL)
E07	6857	10-2	2020	Mon	182 182 182 000	USB	(AB/RL)
E07	15823	11-2	0700	Tue	836 836 836 000	USB	(AB-QAT)
E07	16323	11-2	0720	Tue	836 836 836 000	USB	(AB-QAT)
E07	16161	11-2	1100	Tue	163 163 163 1 477 112 477 112 37949 07873 86923 ... 22679 04311 72968 000 000	USB	(AB)
E07	14661	11-2	1120	Tue	163 163 163 1 477 112 477 112 37949 07873 86923 ... 22679 04311 72968 000 000	USB	(AB/RL)
E07	13361	11-2	1140	Tue	163 163 163 1 477 112 477 112 37949 07873 86923 ... 22679 04311 72968 000 000	USB	(AB/RL)
E07	8144	12-2	1800	Wed	197 197 197 1 9097 205 9097 205 95999 53625 04308 ... 79544 53085 44901 000 000	USB	(AB)
E07	6944	12-2	1828	Wed	197 197 197 1 9097 205 9097 205 95999 53625 04308 ... 79544 53085 44901 000 000	USB	(AB)
E07	5744	12-2	1855	Wed	197 197 197 1 9097 205 9097 205 95999 53625 04308 ... 79544 53085 44901 000 000	USB	(AB)
E07	8157	12-2	2000	Wed	182 182 182 000	USB	(AB/RL)
E07	6857	12-2	2020	Wed	182 182 182 000	USB	(AB)
E07	13368	13-2	1410	Thu	745 745 745 000	USB	(AB/MPJ/RL-HOL)
E07	12168	13-2	1430	Thu	745 745 745 000	USB	(AB/MPJ/RL-HOL)
E07	15823	14-2	0700	Fir	836 836 836 000	USB	(AB-RUS)
E07	16323	14-2	0720	Fir	836 836 836 000	USB	(AB-RUS)
E07	16161	14-2	1100	Fir	163 163 163 1 477 112 477 112 37949 07873 86923 ... 22679 04311 72968 000 000	USB	(AB)
E07	14661	14-2	1120	Fir	163 163 163 1 477 112 477 112 37949 07873 86923 ... 22679 04311 72968 000 000	USB	(AB)

E07	13361	14-2	1140	Fir	163 163 163 1 477 112 477 112 37949 07873 86923 ... 22679 04311 72968 000 000	USB	(AB)
E07	11464	15-2	1400	Sat	472 472 472 1 988 279 988 279 88420 03454 58780 ... 64921 82408 03573 000 000	USB	(AB)
E07	13368	15-2	1410	Sat	745 745 745 000	USB	(AB)
E07	12168	15-2	1430	Sat	745 745 745 000	USB	(AB)
E07	10764	15-2	1435	Sat	472 472 472 1 988 279 988 279 88420 03454 58780 ... 64921 82408 03573 000 000	USB	(AB)
E07	9264	15-2	1510	Sat	472 472 472 1 988 279 988 279 88420 03454 58780 ... 64921 82408 03573 000 000	USB	(AB)
E07	9326	16-2	0700	Sun	345 345 345 1 988 279 988 279 88420 03454 58780 ... 64921 82408 03573 000 000	USB	(AB)
E07	10426	16-2	0734	Sun	345 345 345 1 988 279 988 279 88420 03454 58780 ... 64921 82408 03573 000 000	USB	(AB)
E07	11526	16-2	0810	Sun	345 345 345 1 988 279 988 279 88420 03454 58780 ... 64921 82408 03573 000 000	USB	(AB)
E07	8144	16-2	1800	Sun	197 197 197 1 9097 205 9097 205 95999 53625 04308 ... 79544 53085 44901 000 000	USB	(AB)
E07	6944	16-2	1828	Sun	197 197 197 1 9097 205 9097 205 95999 53625 04308 ... 79544 53085 44901 000 000	USB	(AB)
E07	5744	16-2	1855	Sun	197 197 197 1 9097 205 9097 205 95999 53625 04308 ... 79544 53085 44901 000 000	USB	(AB)
E07	8157	17-2	2000	Mon	182 182 182 1 960 89 960 89 73036 18208 21727 ... 69905 81783 04161 000 000	USB	(AB)
E07	6857	17-2	2020	Mon	182 182 182 1 960 89 960 89 73036 18208 21727 ... 69905 81783 04161 000 000	USB	(AB)
E07	5257	17-2	2040	Mon	182 182 182 1 960 89 960 89 73036 18208 21727 ... 69905 81783 04161 000 000	USB	(AB)
E07	15823	18-2	0700	Tue	836 836 836 1 3116 97 3116 97 88507 12238 89989 ... 72768 60923 48053 000 000	USB	(AB-S)
E07	16323	18-2	0720	Tue	836 836 836 1 3116 97 3116 97 88507 12238 89989 ... 72768 60923 48053 000 000	USB	(AB-RUS)
E07	18623	18-2	0740	Tue	836 836 836 1 3116 97 3116 97 88507 12238 89989 ... 72768 60923 48053 000 000	USB	(AB-RUS)
E07	16161	18-2	1100	Tue	163 163 163 1 477 112 477 112 37949 07873 86923 ... 22679 04311 72968 000 000	USB	(AB)
E07	14661	18-2	1120	Tue	163 163 163 1 477 112 477 112 37949 07873 86923 ... 22679 04311 72968 000 000	USB	(AB)
E07	13361	18-2	1140	Tue	163 163 163 1 477 112 477 112 37949 07873 86923 ... 22679 04311 72968 000 000	USB	(AB)
E07	8144	19-2	1800	Wed	197 197 197 000	USB	(AB)
E07	6944	19-2	1820	Wed	197 197 197 000	USB	(AB)
E07	8157	19-2	2000	Wed	182 182 182 1 960 89 960 89 73036 18208 21727 ... 69905 81783 04161 000 000	USB	(AB)
E07	6857	19-2	2020	Wed	182 182 182 1 960 89 960 89 73036 18208 21727 ... 69905 81783 04161 000 000	USB	(AB)
E07	5257	19-2	2040	Wed	182 182 182 1 960 89 960 89 73036 18208 21727 ... 69905 81783 04161 000 000	USB	(AB)
E07	13368	20-2	1410	Thu	745 745 745 1 7189 65 7189 65 53492 26885 05597 ... 91453 29355 99908 000 000	USB	(AB)
E07	12168	20-2	1430	Thu	745 745 745 1 7189 65 7189 65 53492 26885 05597 ... 91453 29355 99908 000 000	USB	(AB)
E07	11168	20-2	1450	Thu	745 745 745 1 7189 65 7189 65 53492 26885 05597 ... 91453 29355 99908 000 000	USB	(AB)
E07	15823	21-2	0700	Fir	836 836 836 1 3116 97 3116 97 88507 12238 89989 ... 72768 60923 48053 000 000	USB	(AB-RUS)
E07	16323	21-2	0720	Fir	836 836 836 1 3116 97 3116 97 88507 12238 89989 ... 72768 60923 48053 000 000	USB	(AB-RUS)
E07	18623	21-2	0740	Fir	836 836 836 1 3116 97 3116 97 88507 12238 89989 ... 72768 60923 48053 000 000	USB	(AB-RUS)
E07	16161	21-2	1100	Fir	163 163 163 1 477 112 477 112 37949 07873 86923 ... 22679 04311 72968 000 000	USB	(AB)
E07	14661	21-2	1120	Fir	163 163 163 1 477 112 477 112 37949 07873 86923 ... 22679 04311 72968 000 000	USB	(AB/RL)
E07	13361	21-2	1140	Fir	163 163 163 1 477 112 477 112 37949 07873 86923 ... 22679 04311 72968 000 000	USB	(AB/RL)
E07	11464	22-2	1400	Sat	472 472 472 000	USB	(AB)
E07	13368	22-2	1410	Sat	745 745 745 1 7189 65 7189 65 53492 26885 05597 ... 91453 29355 99908 000 000	USB	(AB)
E07	12168	22-2	1430	Sat	745 745 745 1 7189 65 7189 65 53492 26885 05597 ... 91453 29355 99908 000 000	USB	(AB)
E07	10764	22-2	1435	Sat	472 472 472 000	USB	(AB)
E07	11168	22-2	1450	Sat	745 745 745 1 7189 65 7189 65 53492 26885 05597 ... 91453 29355 99908 000 000	USB	(AB)

E07	9326	23-2	0700	Sun	345 345 345 000	USB	(AB)
E07	10426	23-2	0734	Sun	345 345 345 000	USB	(AB)
E07	8144	23-2	1800	Sun	197 197 197 1 9097 205 9097 205 95999 53625 04308 ... 79544 53085 44901 000 000	USB	(AB/MPJ)
E07	6944	23-2	1831	Sun	197 197 197 1 9097 205 9097 205 95999 53625 04308 ... 79544 53085 44901 000 000	USB	(AB/MPJ)
E07	5744	23-2	1857	Sun	197 197 197 1 9097 205 9097 205 95999 53625 04308 ... 79544 53085 44901 000 000	USB	(AB/MPJ)
E07	8157	24-2	2000	Mon	182 182 182 000	USB	(AB)
E07	6857	24-2	2020	Mon	182 182 182 000	USB	(AB)
E07	15823	25-2	0700	Tue	836 836 836 000	USB	(AB-RUS)
E07	16323	25-2	0720	Tue	836 836 836 000	USB	(AB-RUS)
E07	16161	25-2	1100	Tue	163 163 163 000	USB	(AB)
E07	14661	25-2	1120	Tue	163 163 163 000	USB	(AB)
E07	8144	26-2	1800	Wed	197 197 197 1 9097 205 9097 205 95999 53625 04308 ... 79544 53085 44901 000 000	USB	(AB)
E07	6944	26-2	1831	Wed	197 197 197 1 9097 205 9097 205 95999 53625 04308 ... 79544 53085 44901 000 000	USB	(AB)
E07	5744	26-2	1857	Wed	197 197 197 1 9097 205 9097 205 95999 53625 04308 ... 79544 53085 44901 000 000	USB	(AB)
E07	8157	26-2	2000	Wed	182 182 182 000	USB	(AB/MPJ/RL)
E07	6857	26-2	2020	Wed	182 182 182 000	USB	(AB/MPJ)
E07	13368	27-2	1410	Thu	745 745 745 000	USB	(AB)
E07	12168	27-2	1430	Thu	745 745 745 000	USB	(AB)
E07	15823	28-2	0700	Fir	836 836 836 000	USB	(AB-RUS)
E07	16323	28-2	0720	Fir	836 836 836 000	USB	(AB-RUS)
E07	16161	28-2	1100	Fir	163 163 163 000	USB	(AB/MPJ)
E07	14661	28-2	1120	Fir	163 163 163 000	USB	(AB/MPJ)
E07	11464	29-2	1400	Sat	472 472 472 000	USB	(AB)
E07	13368	29-2	1410	Sat	745 745 745 000	USB	(AB)
E07	12168	29-2	1430	Sat	745 745 745 000	USB	(AB)
E07	10764	29-2	1435	Sat	472 472 472 000	USB	(AB)
E07a	11053	1-2	0900	Sat	015 015 015 000	USB	(AB/HFD)
E07a	12153	1-2	0920	Sat	015 015 015 000	USB	(AB/RL/HFD)
E07a	5877	5-2	2100	Wed	825 825 825 1 32128 7410 107 7410 107 29091 25083 34043 ... 14275 85838 63849 000 000	USB	(AB/RL)
E07a	5277	5-2	2120	Wed	825 825 825 1 32128 7410 107 7410 107 29091 25083 34043 ... 14275 85838 63849 000 000	USB	(AB/RL)
E07a	4577	5-2	2140	Wed	825 825 825 1 32128 7410 107 7410 107 29091 25083 34043 ... 14275 85838 63849 000 000	USB	(AB/RL)
E07a	5111	6-2	0530	Thu	189 189 189 1 32128 7410 107 7410 107 29091 25083 34043 ... 14275 85838 63849 000 000	USB	(AB)
E07a	5811	6-2	0550	Thu	189 189 189 1 32128 7410 107 7410 107 29091 25083 34043 ... 14275 85838 63849 000 000	USB	(AB)
E07a	6911	6-2	0610	Thu	189 189 189 1 32128 7410 107 7410 107 29091 25083 34043 ... 14275 85838 63849 000 000	USB	(AB)
E07a	9347	7-2	1610	Fir	318 318 318 000	USB	(AB/MPJ/HFD)
E07a	8147	7-2	1630	Fir	318 318 318 000	USB	(AB/MPJ/HFD)
E07a	11053	8-2	0900	Sat	015 015 015 000	USB	(AB)
E07a	12153	8-2	0920	Sat	015 015 015 000	USB	(AB/RL)
E07a	5877	12-2	2100	Wed	825 825 825 000	USB	(AB/RL)
E07a	5277	12-2	2120	Wed	825 825 825 000	USB	(AB/RL)

E07a	5111	13-2	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	13-2	0550	Thu	189 189 189 000	USB	(AB)
E07a	9347	14-2	1610	Fir	318 318 318 000	USB	(AB/MPJ)
E07a	8147	14-2	1630	Fir	318 318 318 000	USB	(AB/MPJ)
E07a	11053	15-2	0900	Sat	015 015 015 000	USB	(AB)
E07a	12153	15-2	0920	Sat	015 015 015 000	USB	(AB)
E07a	5877	19-2	2100	Wed	825 825 825 000	USB	(AB/RL)
E07a	5277	19-2	2120	Wed	825 825 825 000	USB	(AB/RL)
E07a	5111	20-2	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	20-2	0550	Thu	189 189 189 000	USB	(AB)
E07a	9347	21-2	1610	Fir	318 318 318 000	USB	(AB)
E07a	8147	21-2	1630	Fir	318 318 318 000	USB	(AB)
E07a	11053	22-2	0900	Sat	015 015 015 000	USB	(AB)
E07a	12153	22-2	0920	Sat	015 015 015 000	USB	(AB)
E07a	5877	26-2	2100	Wed	825 825 825 000	USB	(AB/RL)
E07a	5277	26-2	2120	Wed	825 825 825 000	USB	(AB/RL)
E07a	5111	27-2	0530	Thu	189 189 189 000	USB	(AB)
E07a	5811	27-2	0550	Thu	189 189 189 000	USB	(AB)
E07a	9347	28-2	1610	Fir	318 318 318 000	USB	(AB/GHn/MPJ)
E07a	8147	28-2	1630	Fir	318 318 318 000	USB	(AB/MPJ)
E07a	11053	29-2	0900	Sat	015 015 015 000	USB	(AB)
E07a	12153	29-2	0920	Sat	015 015 015 000	USB	(AB)
E11	4909	1-2	0805	Sat	315/00	USB	(AB)
E11	13363	1-2	1345	Sat	918/00	USB	(AB/MPJ)
E11	4505	1-2	1705	Sat	394/00	USB	(AB)
E11	4909	1-2	1930	Sat	367/00	USB	(AB/MPJ)
E11	4909	2-2	0805	Sun	312/00	USB	(AB)
E11	5344	2-2	1605	Sun	236/00	USB	(AB/MPJ)
E11	5082	2-2	1625	Sun	972/00	USB	(AB/MPJ)
E11	6849	2-2	1650	Sun	921/00	USB	(AB)
E11	12924	2-2	1745	Sun	245/00	USB	(AB)
E11	10487	2-2	1910	Sun	Null message. Too weak to copy	USB	(MPJ)
E11	4909	2-2	1930	Sun	369/00	USB	(AB/MPJ)
E11	11450	3-2	0640	Mon	949/00	USB	(AB)
E11	10213	3-2	0745	Mon	261/00	USB	(AB)
E11	15720	3-2	0830	Mon	189/00	USB	(AB)
E11	8597	3-2	0900	Mon	538/00	USB	(AB)
E11	7984	3-2	1045	Mon	696/00	USB	(AB/F5JBR)
E11	5082	3-2	1530	Mon	522/00	USB	(AB)
E11	6849	3-2	1900	Mon	640/00	USB	(AB)

E11	7840	4-2	0645	Tue	515/00	USB	(AB)
E11	9130	4-2	0715	Tue	635/00	USB	(AB)
E11	13908	4-2	0745	Tue	224/00	USB	(AB)
E11	14611	4-2	0820	Tue	131/00	USB	(AB)
E11	12089	4-2	0845	Tue	156/00	USB	(AB)
E11	8597	4-2	1000	Tue	307/00	USB	(AB)
E11	5344	4-2	1605	Tue	232/00	USB	(GHn)
E11	6280	4-2	1700	Tue	338/00	USB	(AB/MPJ)
E11	5779	5-2	0315	Wed	Null message. Too weak to copy	USB	(AB)
E11	11450	5-2	0640	Wed	948/00	USB	(AB)
E11	17378	5-2	0745	Wed	344/00	USB	(AB-POL)
E11	14611	5-2	0820	Wed	134/00	USB	(AB)
E11	8597	5-2	0900	Wed	538/00	USB	(AB)
E11	7984	5-2	1045	Wed	698/00	USB	(AB)
E11	5082	5-2	1625	Wed	974/00	USB	(AB/GHn)
E11	7840	6-2	0645	Thu	510/00	USB	(AB)
E11	13908	6-2	0745	Thu	224/00	USB	(AB)
E11	12089	6-2	0845	Thu	159/00	USB	(AB)
E11	5409	6-2	1530	Thu	264/00	USB	(AB)
E11	6849	6-2	1900	Thu	649/00	USB	(AB)
E11	17378	7-2	0745	Fir	342/00	USB	(AB)
E11	5149	7-2	0820	Fir	436/00	USB	(AB)
E11	15720	7-2	0830	Fir	182/00	USB	(AB)
E11	8597	7-2	1000	Fir	300/00	USB	(AB)
E11	5082	7-2	1530	Fir	528/00	USB	(AB/GHn/MPJ)
E11	6849	7-2	1650	Fir	927/00	USB	(AB/MPJ)
E11	4505	8-2	0710	Sat	490/00	USB	(AB)
E11	4909	8-2	1930	Sat	366/00	USB	(AB/MPJ)
E11	4505	9-2	0710	Sun	490/00	USB	(AB)
E11	5344	9-2	1605	Sun	230/00	USB	(AB)
E11	5082	9-2	1625	Sun	977/00	USB	(AB)
E11	6849	9-2	1650	Sun	924/00	USB	(AB)
E11	12924	9-2	1745	Sun	244/00	USB	(AB)
E11	10487	9-2	1910	Sun	612/00	USB	(AB)
E11	4909	9-2	1930	Sun	360/00	USB	(AB/GHn)
E11	10213	10-2	0745	Mon	261/00	USB	(AB)
E11	15720	10-2	0830	Mon	180/00	USB	(AB)
E11	8597	10-2	0900	Mon	530/00	USB	(AB)
E11	7984	10-2	1045	Mon	697/00	USB	(AB)
E11	5082	10-2	1530	Mon	522/00	USB	(AB)

E11	12924	10-2	1745	Mon	240/00	USB	(AB-POL)
E11	6849	10-2	1900	Mon	640/00	USB	(AB)
E11	6804	11-2	0700	Tue	573/00	USB	(AB)
E11	9130	11-2	0715	Tue	630/00	USB	(AB)
E11	12089	11-2	0845	Tue	150/00	USB	(AB)
E11	6433	11-2	1205	Tue	461/00	USB	(AB)
E11	13363	11-2	1345	Tue	917/00	USB	(AB-POL)
E11	5344	11-2	1605	Tue	237/00	USB	(AB)
E11	6280	11-2	1700	Tue	334/00	USB	(AB)
E11	5779	12-2	0315	Wed	252/00	USB	(AB)
E11	17378	12-2	0745	Wed	346/00	USB	(AB-POL)
E11	7469	12-2	0930	Wed	270/00	USB	(AB)
E11	7984	12-2	1045	Wed	691/00	USB	(AB)
E11	6433	12-2	1205	Wed	460/00	USB	(AB)
E11	5082	12-2	1625	Wed	976/00	USB	(AB/GHn)
E11	4505	12-2	1705	Wed	396/00	USB	(AB/GHn/RL)
E11	5779	13-2	0315	Thu	255/00	USB	(AB)
E11	5149	13-2	0820	Thu	431/00	USB	(AB)
E11	12089	13-2	0845	Thu	157/00	USB	(AB)
E11	7469	13-2	0930	Thu	270/00	USB	(AB)
E11	5409	13-2	1530	Thu	262/00	USB	(AB)
E11	6280	13-2	1700	Thu	332/00	USB	(AB/MPJ/RL-HOL)
E11	5779	13-2	1730	Thu	414/00	USB	(AB/MPJ)
E11	6849	13-2	1900	Thu	640/00	USB	(AB/MPJ)
E11	6804	14-2	0700	Fir	579/00	USB	(AB)
E11	9130	14-2	0715	Fir	634/00	USB	(AB)
E11	17378	14-2	0745	Fir	346/00	USB	(AB-POL)
E11	5149	14-2	0820	Fir	435/00	USB	(AB)
E11	15720	14-2	0830	Fir	185/00	USB	(AB)
E11	5082	14-2	1530	Fir	524/00	USB	(AB/GHn)
E11	6849	14-2	1650	Fir	929/00	USB	(AB)
E11	4505	15-2	0710	Sat	497/00	USB	(AB)
E11	4909	15-2	0805	Sat	313/00	USB	(AB)
E11	13363	15-2	1345	Sat	911/00	USB	(AB)
E11	4505	15-2	1705	Sat	396/00	USB	(AB)
E11	4909	15-2	1930	Sat	369/00	USB	(AB/F5JBR)
E11	4505	16-2	0710	Sun	492/00	USB	(AB)
E11	4909	16-2	0805	Sun	311/00	USB	(AB)
E11	5344	16-2	1605	Sun	235/00	USB	(AB)
E11	5082	16-2	1625	Sun	970/00	USB	(AB)

E11	6849	16-2	1650	Sun	920/00	USB	(AB)
E11	4909	16-2	1930	Sun	360/00	USB	(AB)
E11	11450	17-2	0640	Mon	945/00	USB	(AB)
E11	10213	17-2	0745	Mon	266/00	USB	(AB)
E11	12924	17-2	1745	Mon	246/00	USB	(AB-POL/MPJ)
E11	6849	17-2	1900	Mon	640/00	USB	(AB)
E11	6804	18-2	0700	Tue	575/00	USB	(AB)
E11	13908	18-2	0745	Tue	221/00	USB	(AB)
E11	14611	18-2	0820	Tue	134/00	USB	(AB-POL)
E11	8597	18-2	1000	Tue	308/00	USB	(AB)
E11	6433	18-2	1205	Tue	465/00	USB	(AB)
E11	13363	18-2	1345	Tue	919/00	USB	(AB)
E11	6280	18-2	1700	Tue	334/00	USB	(AB)
E11	17378	19-2	0745	Wed	344/00	USB	(AB-POL)
E11	14611	19-2	0820	Wed	130/00	USB	(AB)
E11	8597	19-2	0900	Wed	537/00	USB	(AB)
E11	7469	19-2	0930	Wed	273/00	USB	(AB)
E11	6433	19-2	1205	Wed	464/00	USB	(AB)
E11	4505	19-2	1705	Wed	392/00	USB	(AB/GHn)
E11	13908	20-2	0745	Thu	220/00	USB	(AB)
E11	7469	20-2	0930	Thu	279/00	USB	(AB)
E11	5409	20-2	1530	Thu	269/00	USB	(AB)
E11	6280	20-2	1700	Thu	334/00	USB	(AB/MPJ)
E11	5779	20-2	1730	Thu	418/00	USB	(AB)
E11	6849	20-2	1900	Thu	644/00	USB	(AB/MPJ)
E11	6804	21-2	0700	Fir	575/00	USB	(AB)
E11	17378	21-2	0745	Fir	340/00	USB	(AB-POL)
E11	8597	21-2	1000	Fir	302/00	USB	(AB)
E11	10487	21-2	1910	Fir	611/00	USB	(AB-POL/MPJ-FIN)
E11	4505	22-2	0710	Sat	497/00	USB	(AB)
E11	4909	22-2	0805	Sat	319/00	USB	(AB)
E11	13363	22-2	1345	Sat	919/00	USB	(AB)
E11	4505	22-2	1705	Sat	391/00	USB	(AB)
E11	4505	23-2	0710	Sun	497/00	USB	(AB)
E11	4909	23-2	0805	Sun	311/00	USB	(AB)
E11	5082	23-2	1625	Sun	970/00	USB	(AB)
E11	12924	23-2	1745	Sun	245/00	USB	(AB-POL)
E11	10487	23-2	1910	Sun	614/00	USB	(AB-FIN/MPJ-FIN)
E11	4909	24-2	0450	Mon	412/00	USB	(AB)
E11	15720	24-2	0830	Mon	180/00	USB	(AB)

E11	7984	24-2	1045	Mon	690/00	USB	(AB)
E11	5082	24-2	1530	Mon	522/00	USB	(AB/MPJ)
E11	12924	24-2	1745	Mon	245/00	USB	(AB-POL/MPJ-FIN)
E11	7840	25-2	0645	Tue	510/00	USB	(AB)
E11	6804	25-2	0700	Tue	579/00	USB	(AB)
E11	9130	25-2	0715	Tue	639/00	USB	(AB)
E11	13908	25-2	0745	Tue	228/00	USB	(AB)
E11	14611	25-2	0820	Tue	134/00	USB	(AB)
E11	12089	25-2	0845	Tue	150/00	USB	(AB)
E11	8597	25-2	1000	Tue	302/00	USB	(AB)
E11	6433	25-2	1205	Tue	463/00	USB	(AB/MPJ)
E11	11450	26-2	0640	Wed	941/00	USB	(AB)
E11	14611	26-2	0820	Wed	136/00	USB	(AB-POL)
E11	7469	26-2	0930	Wed	278/00	USB	(AB)
E11	7984	26-2	1045	Wed	694/00	USB	(AB)
E11	6433	26-2	1205	Wed	460/00	USB	(AB)
E11	5082	26-2	1625	Wed	977/00	USB	(AB/GHn/MPJ)
E11	4505	26-2	1705	Wed	390/00	USB	(GHn/MPJ)
E11	5779	27-2	0315	Thu	253/00	USB	(RL-HOL)
E11	7840	27-2	0645	Thu	510/00	USB	(AB)
E11	13908	27-2	0745	Thu	229/00	USB	(AB)
E11	5149	27-2	0820	Thu	430/00	USB	(AB)
E11	12089	27-2	0845	Thu	154/00	USB	(AB)
E11	7469	27-2	0930	Thu	277/00	USB	(AB)
E11	5779	27-2	1730	Thu	413/00	USB	(AB/GNI)
E11	6804	28-2	0700	Fir	575/00	USB	(AB)
E11	9130	28-2	0715	Fir	637/00	USB	(AB)
E11	5149	28-2	0820	Fir	439/00	USB	(AB)
E11	15720	28-2	0830	Fir	181/00	USB	(AB-POL)
E11	8597	28-2	1000	Fir	306/00	USB	(AB)
E11	5082	28-2	1530	Fir	522/00	USB	(AB)
E11	6849	28-2	1650	Fir	922/00	USB	(AB/MPJ)
E11	10487	28-2	1910	Fir	Too weak to copy	USB	(AB-POL)
E11	4505	29-2	0710	Sat	498/00	USB	(AB)
E11	4909	29-2	0805	Sat	313/00	USB	(AB)
E11	4505	29-2	1705	Sat	393/00	USB	(AB/MPJ)
E11	4909	29-2	1930	Sat	365/00	USB	(AB/MPJ)
E11a	4505	1-2	0710	Sat	498/34 Attention 03986 23095 43474 ... 16050 59180 96128 Attention (message repeated) Out	USB	(AB)
E11a	4505	2-2	0710	Sun	498/34 Attention 03986 23095 43474 ... 16050 59180 96128 Attention (message repeated) Out	USB	(AB)
E11a	4909	3-2	0450	Mon	410/31 Attention 66218 56844 72485 ... 06225 32919 84787 Attention (message repeated) Out	USB	(AB)

E11a	12924	3-2	1745	Mon	244/37 Attention 57869 81071 22976 ... 91664 66098 18207 Attention (message repeated) Out	USB	(AB-POL)
E11a	6804	4-2	0700	Tue	574/31 Attention 40669 49387 82240 ... 26926 88694 57166 Attention (message repeated) Out	USB	(AB)
E11a	6433	4-2	1205	Tue	465/35 Attention 22760 89122 48744 ... 35576 13794 63877 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	13363	4-2	1345	Tue	919/34 Attention 61927 12999 65309 ... 41460 62095 97111 Attention (message repeated) Out	USB	(AB-POL)
E11a	7469	5-2	0930	Wed	279/34 Attention 47755 47901 86408 ... 05434 44810 78533 Attention (message repeated) Out	USB	(AB)
E11a	6433	5-2	1205	Wed	465/35 Attention 22760 89122 48744 ... 35576 13794 63877 Attention (message repeated) Out	USB	(AB)
E11a	4505	5-2	1705	Wed	391/39 Attention 72853 09751 44647 ... 74580 21054 68283 Attention (message repeated) Out	USB	(AB/GHn)
E11a	7469	6-2	0930	Thu	279/34 Attention 47755 47901 86408 ... 05434 44810 78533 Attention (message repeated) Out	USB	(AB)
E11a	5779	6-2	1730	Thu	410/31 Attention 66218 56844 72485 ... 06225 32919 84787 Attention (message repeated) Out	USB	(AB/RL)
E11a	4909	8-2	0805	Sat	310/31 Attention 22345 15268 94920 ... 22075 92030 60628 Attention (message repeated) Out	USB	(AB)
E11a	13363	8-2	1345	Sat	919/34 Attention 61927 12999 65309 ... 41460 62095 97111 Attention (message repeated) Out	USB	(AB)
E11a	4505	8-2	1705	Sat	391/39 Attention 72853 09751 44647 ... 74580 21054 68283 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4909	9-2	0805	Sun	310/31 Attention 22345 15268 94920 ... 22075 92030 60628 Attention (message repeated) Out	USB	(AB)
E11a	11450	10-2	0640	Mon	949/29 Attention 98387 50317 86630 ... 66902 18630 77147 Attention (message repeated) Out	USB	(AB)
E11a	7840	11-2	0645	Tue	514/37 Attention 47531 29521 69781 ... 88331 94713 43951 Attention (message repeated) Out	USB	(AB)
E11a	13908	11-2	0745	Tue	224/34 Attention 87889 89649 90577 ... 22721 36616 13890 Attention (message repeated) Out	USB	(AB)
E11a	14611	11-2	0820	Tue	138/35 Attention 04807 30226 83940 ... 46673 26540 04984 Attention (message repeated) Out	USB	(AB-POL)
E11a	8597	11-2	1000	Tue	309/25 Attention 85330 55519 67944 ... 09657 81334 01532 Attention (message repeated) Out	USB	(AB)
E11a	11450	12-2	0640	Wed	949/29 Attention 98387 50317 86630 ... 66902 18630 77147 Attention (message repeated) Out	USB	(AB)
E11a	14611	12-2	0820	Wed	138/35 Attention 04807 30226 83940 ... 46673 26540 04984 Attention (message repeated) Out	USB	(AB)
E11a	8597	12-2	0900	Wed	530/40 Attention 97733 66552 37840 ... 69166 75558 93152 Attention (message repeated) Out	USB	(AB)
E11a	7840	13-2	0645	Thu	514/37 Attention 47531 29521 69781 ... 88331 94713 43951 Attention (message repeated) Out	USB	(AB)
E11a	13908	13-2	0745	Thu	224/34 Attention 87889 89649 90577 ... 22721 36616 13890 Attention (message repeated) Out	USB	(AB)
E11a	8597	14-2	1000	Fir	309/25 Attention 85330 55519 67944 ... 09657 81334 01532 Attention (message repeated) Out	USB	(AB)
E11a	10487	14-2	1910	Fir	612/33 Attention 86955 99715 01266 ... 85637 49193 08571 Attention (message repeated) Out	USB	(AB-POL/MPJ-FIN)
E11a	8597	17-2	0900	Mon	531/39 Attention 98854 30046 33775 ... 38755 14118 02854 Attention (message repeated) Out	USB	(AB)
E11a	7984	17-2	1045	Mon	691/35 Attention 74069 41363 16223 ... 80632 70863 25677 Attention (message repeated) Out	USB	(AB)
E11a	5082	17-2	1530	Mon	521/31 Attention 08987 46664 11261 ... 84220 06675 76748 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	7840	18-2	0645	Tue	513/40 Attention 97733 66552 37840 ... 69166 75558 93152 Attention (message repeated) Out	USB	(AB)
E11a	9130	18-2	0715	Tue	639/33 Attention 55599 89217 55354 ... 22604 45018 45042 Attention (message repeated) Out	USB	(AB)
E11a	12089	18-2	0845	Tue	154/21 Attention 80644 51151 38279 ... 99006 66485 75683 Attention (message repeated) Out	USB	(AB)
E11a	7984	19-2	1045	Wed	691/35 Attention 74069 41363 16223 ... 80632 70863 25677 Attention (message repeated) Out	USB	(AB)
E11a	5082	19-2	1625	Wed	972/35 Attention 01261 48724 34667 ... 11214 25352 06697 Attention (message repeated) Out	USB	(AB)
E11a	7840	20-2	0645	Thu	512/40 Attention 97733 66552 37840 ... 69166 75558 93152 Attention (message repeated) Out	USB	(AB)
E11a	5149	20-2	0820	Thu	432/38 Attention 97892 71645 91665 ... 34829 00676 47412 Attention (message repeated) Out	USB	(AB)
E11a	12089	20-2	0845	Thu	154/21 Attention 80644 51151 38279 ... 99006 66485 75683 Attention (message repeated) Out	USB	(AB)
E11a	9130	21-2	0715	Fir	639/33 Attention 55599 89217 55354 ... 22604 45018 45042 Attention (message repeated) Out	USB	(AB)
E11a	5149	21-2	0820	Fir	432/38 Attention 97892 71645 91665 ... 34829 00676 47412 Attention (message repeated) Out	USB	(AB)
E11a	5082	21-2	1530	Fir	525/33 Attention 10028 26620 13868 ... 81765 95075 54301 Attention (message repeated) Out	USB	(AB/MPJ)

E11a	6849	21-2	1650	Fir	922/35 Attention 91068 85593 49168 ... 62759 17401 51755 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	4909	22-2	1930	Sat	369/34 Attention 06151 28620 94446 ... 43073 05699 04788 Attention (message repeated) Out	USB	(AB)
E11a	5344	23-2	1605	Sun	236/35 Attention 53227 97770 12186 ... 66955 52535 40010 Attention (message repeated) Out	USB	(AB)
E11a	6849	23-2	1650	Sun	922/35 Attention 91068 85593 49168 ... 62759 17401 51755 Attention (message repeated) Out	USB	(AB)
E11a	4909	23-2	1930	Sun	369/34 Attention 06151 28620 94446 ... 43073 05699 04788 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	10213	24-2	0745	Mon	261/38 Attention 20279 90338 18559 ... 10111 68993 27829 Attention (message repeated) Out	USB	(AB)
E11a	8597	24-2	0900	Mon	530/39 Attention 69681 12206 88374 ... 69475 22057 05193 Attention (message repeated) Out	USB	(AB)
E11a	6849	24-2	1900	Mon	644/36 Attention 50339 84029 25628 ... 95295 89997 97863 Attention (message repeated) Out	USB	(AB/MPJ)
E11a	13363	25-2	1345	Tue	910/36 Attention 08855 37320 52619 ... 72674 31142 81654 Attention (message repeated) Out	USB	(AB-POL/MPJ-POL)
E11a	6280	25-2	1700	Tue	334/36 Attention 21909 92815 71029 ... 37627 77278 26820 Attention (message repeated) Out	USB	(AB)
E11a	17378	26-2	0745	Wed	344/39 Attention 80584 26474 15871 ... 22688 97527 60277 Attention (message repeated) Out	USB	(AB-POL)
E11a	8597	26-2	0900	Wed	530/39 Attention 69681 12206 88374 ... 69475 22057 05193 Attention (message repeated) Out	USB	(AB)
E11a	5409	27-2	1530	Thu	261/38 Attention 20279 90338 18559 ... 10111 68993 27829 Attention (message repeated) Out	USB	(AB)
E11a	6280	27-2	1700	Thu	334/36 Attention 21909 92815 71029 ... 37627 77278 26820 Attention (message repeated) Out	USB	(AB)
E11a	6849	27-2	1900	Thu	644/36 Attention 50339 84029 25628 ... 95295 89997 97863 Attention (message repeated) Out	USB	(AB)
E11a	17378	28-2	0745	Fir	344/39 Attention 80584 26474 15871 ... 22688 97527 60277 Attention (message repeated) Out	USB	(AB-POL)
E11a	13363	29-2	1345	Sat	910/36 Attention 08855 37320 52619 ... 72674 31142 81654 Attention (message repeated) Out	USB	(AB)
E17z	11170	6-2	0800	Thu	217 436 5 47154 25660 69885 96882 20024 436 5 00000	USB	(AB)
E17z	9820	6-2	0810	Thu	217 436 5 47154 25660 69885 96882 20024 436 5 00000	USB	(AB)
E17z	11170	13-2	0800	Thu	217 436 5 47154 25660 69885 96882 20024 436 5 00000	USB	(AB)
E17z	9820	13-2	0810	Thu	217 436 5 47154 25660 69885 96882 20024 436 5 00000	USB	(AB)
E17z	11170	20-2	0800	Thu	217 968 5 88620 58069 61732 74537 57440 968 5 00000	USB	(AB)
E17z	9820	20-2	0810	Thu	217 968 5 88620 58069 61732 74537 57440 968 5 00000	USB	(AB)
E17z	11170	27-2	0800	Thu	217 968 5 88620 58069 61732 74537 57440 968 5 00000	USB	(AB)
E17z	9820	27-2	0810	Thu	217 968 5 88620 58069 61732 74537 57440 968 5 00000	USB	(AB)
EGY	10961.7	9-2	1955	Sun	MFA Cairo i.p.	SITOR-A 100/170	(GR)
EGY	11171.7	9-2	2010	Sun	Egyptian diplo clg SSTE (MFA Cairo)	SITOR-A 100/170	(GR)
EGY	11046.7	10-2	1735	Mon	Egyptian diplo clg SSTE (MFA Cairo)	SITOR-A 100/170	(GR)
EGY	11067.7	10-2	1956	Mon	Egyptian Embassy Havana i.p.	SITOR-A 100/170	(GR)
EGY	5729.7	12-2	1919	Wed	Egyptian diplo station clg TVVX: Egyptian embassy Algiers	SITOR-A 100/170	(AB)
F01	12184	3-2	1015	Mon	Russian diplo/intel. 54743 54262 49269 ... 63815 00154 57441 00000	FSK 200/500	(AB)
F01	10169	3-2	1025	Mon	Russian diplo/intel. 54743 54262 49269 ... 63815 00154 57441 00000	FSK 200/500	(AB)
F01	8079	3-2	1035	Mon	Russian diplo/intel. 54743 54262 49269 ... 63815 00154 57441 00000	FSK 200/500	(AB)
F01	12184	4-2	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10169	4-2	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8079	4-2	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12184	5-2	1015	Wed	Russian diplo/intel. 33848 64022 41760 ... 59796 51429 60433 00000	FSK 200/500	(AB)
F01	10169	5-2	1025	Wed	Russian diplo/intel. 33848 64022 41760 ... 59796 51429 60433 00000	FSK 200/500	(AB)
F01	8079	5-2	1035	Wed	Russian diplo/intel. 33848 64022 41760 ... 59796 51429 60433 00000	FSK 200/500	(AB)

F01	8156	5-2	1940	Wed	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	6844	5-2	1950	Wed	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	4527	5-2	2000	Wed	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	12184	6-2	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/HFD)
F01	10169	6-2	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/HFD)
F01	8079	6-2	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB/HFD)
F01	12184	7-2	1015	Fir	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10169	7-2	1025	Fir	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8079	7-2	1035	Fir	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	12184	10-2	1015	Mon	Russian diplo/intel. 40717 52138 24691 ... 09823 45553 63431 00000	FSK 200/500	(AB)
F01	10169	10-2	1025	Mon	Russian diplo/intel. 40717 52138 24691 ... 09823 45553 63431 00000	FSK 200/500	(AB)
F01	8079	10-2	1035	Mon	Russian diplo/intel. 40717 52138 24691 ... 09823 45553 63431 00000	FSK 200/500	(AB)
F01	12184	11-2	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10169	11-2	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8079	11-2	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12184	12-2	1015	Wed	Russian diplo/intel. 01866 93788 12630 ... 96691 13521 66411 00000	FSK 200/500	(AB)
F01	10169	12-2	1025	Wed	Russian diplo/intel. 01866 93788 12630 ... 96691 13521 66411 00000	FSK 200/500	(AB)
F01	8079	12-2	1035	Wed	Russian diplo/intel. 01866 93788 12630 ... 96691 13521 66411 00000	FSK 200/500	(AB)
F01	12184	13-2	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10169	13-2	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8079	13-2	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12184	14-2	1015	Fir	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	10169	14-2	1025	Fir	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8079	14-2	1035	Fir	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	12184	17-2	1015	Mon	Russian diplo/intel. 30794 72739 86702 ... 67683 21179 69417 00000	FSK 200/500	(AB)
F01	10169	17-2	1025	Mon	Russian diplo/intel. 30794 72739 86702 ... 67683 21179 69417 00000	FSK 200/500	(AB)
F01	8079	17-2	1035	Mon	Russian diplo/intel. 30794 72739 86702 ... 67683 21179 69417 00000	FSK 200/500	(AB)
F01	12184	18-2	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10169	18-2	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8079	18-2	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12184	19-2	1015	Wed	Russian diplo/intel. 30382 24499 14627 ... 00166 72467 72423 00000	FSK 200/500	(AB)
F01	10169	19-2	1025	Wed	Russian diplo/intel. 30382 24499 14627 ... 00166 72467 72423 00000	FSK 200/500	(AB)
F01	8079	19-2	1035	Wed	Russian diplo/intel. 30382 24499 14627 ... 00166 72467 72423 00000	FSK 200/500	(AB)
F01	9064	20-2	0730	Thu	Russian diplo/intel. Header: 11100 69992 71425 20012 03509	FSK 200/500	(AB)
F01	12184	20-2	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10169	20-2	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8079	20-2	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12184	21-2	1008	Fir	Russian diplo/intel. Test: 464646464646464646464646	FSK 200/500	(AB)
F01	12164	21-2	1008	Fir	Russian diplo/intel. Test: 464646464646464646464646464646 Moved to 12184 kHz	FSK 200/500	(AB)
F01	12184	21-2	1015	Fir	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)

F01	10169	21-2	1025	Fir	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	8079	21-2	1035	Fir	Russian diplo/intel. 5761 00000	FSK 200/500	(AB)
F01	12184	24-2	1015	Mon	Russian diplo/intel.	FSK 200/500	(AB)
F01	10169	24-2	1025	Mon	Russian diplo/intel.	FSK 200/500	(AB)
F01	8079	24-2	1035	Mon	Russian diplo/intel.	FSK 200/500	(AB)
F01	12184	25-2	1015	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10169	25-2	1025	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8079	25-2	1035	Tue	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12184	26-2	1015	Wed	Russian diplo/intel. 34804 00912 09579 ... 00991 48222 78417 00000	FSK 200/500	(AB-POL)
F01	10169	26-2	1025	Wed	Russian diplo/intel. 34804 00912 09579 ... 00991 48222 78417 00000	FSK 200/500	(AB-POL)
F01	8079	26-2	1035	Wed	Russian diplo/intel. 34804 00912 09579 ... 00991 48222 78417 00000	FSK 200/500	(AB-POL)
F01	12184	27-2	1015	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	10169	27-2	1025	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	8079	27-2	1035	Thu	Russian diplo/intel. Two messages	FSK 200/500	(AB)
F01	12184	28-2	1015	Fir	Russian diplo/intel. 5762 00000 00000 00000 00000 00000	FSK 200/500	(AB)
F01	10169	28-2	1025	Fir	Russian diplo/intel. 5762 00000 00000 00000 00000 00000	FSK 200/500	(AB)
F01	8079	28-2	1035	Fir	Russian diplo/intel. 5762 00000 00000 00000 00000 00000	FSK 200/500	(AB)
F03c	8800	3-2	0940	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	3-2	0945	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	7-2	0940	Fir	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	7-2	0945	Fir	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	14-2	0940	Fir	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	14-2	0945	Fir	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	21-2	0940	Fir	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	21-2	0945	Fir	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	24-2	0940	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	24-2	0945	Mon	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	28-2	0940	Fir	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03c	8800	28-2	0945	Fir	Polish intel.	FSK-2 400Bd/960Hz	(AB)
F03j	7837	3-2	1030	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	3-2	1035	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	5-2	0915	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	5-2	0920	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	5-2	1030	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	5-2	1035	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	6-2	0915	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	6-2	0920	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	10-2	1030	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	10-2	1035	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	12-2	0915	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)

F03j	5946	12-2	0920	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	12-2	1030	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	12-2	1035	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	13-2	0915	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	13-2	0920	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	17-2	1030	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	17-2	1035	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	19-2	0915	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	19-2	0920	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	19-2	1030	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	19-2	1035	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	20-2	0915	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	20-2	0920	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	24-2	1030	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	24-2	1035	Mon	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	26-2	0915	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	26-2	0920	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	26-2	1030	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	7837	26-2	1035	Wed	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	27-2	0915	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03j	5946	27-2	0920	Thu	Polish Intel.	FSK-4 100Bd/400Hz	(AB)
F03I	13424	3-2	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13424	3-2	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	4-2	0615	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	4-2	0620	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13424	5-2	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13424	5-2	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	6-2	0615	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	6-2	0620	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	11-2	0615	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	11-2	0620	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13424	12-2	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13424	12-2	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	13-2	0615	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	13-2	0620	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13424	17-2	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13424	17-2	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	18-2	0615	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	18-2	0620	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13424	19-2	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)

F03I	13424	19-2	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	20-2	0615	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	20-2	0620	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13424	24-2	0630	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13424	24-2	0635	Mon	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	25-2	0615	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	25-2	0620	Tue	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13424	26-2	0630	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	13424	26-2	0635	Wed	Polish intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	27-2	0615	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F03I	4909	27-2	0620	Thu	Polish Intel.	FSK-2 100Bd/200Hz	(AB)
F06	13464	2-2	1530	Sun	Russian diplo/intel. 11166 10053 31568 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11548	2-2	1540	Sun	Russian diplo/intel. 11166 10053 31568 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9323	2-2	1550	Sun	Russian diplo/intel. 11166 10053 31568 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6866	3-2	0500	Mon	Russian diplo/intel. 11166 70059 73124 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5326	3-2	0510	Mon	Russian diplo/intel. 11166 70059 73124 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4616	3-2	0520	Mon	Russian diplo/intel. 11166 70059 73124 03001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13369	3-2	0700	Mon	Russian diplo/intel. Header: 11166 70202 85274 30094 02479	FSK 200/1000	(AB)
F06	11048	3-2	0710	Mon	Russian diplo/intel. Header: 11166 70202 85274 30094 02479	FSK 200/1000	(AB)
F06	9244	3-2	0720	Mon	Russian diplo/intel. Header: 11166 70202 85274 30094 02479	FSK 200/1000	(AB)
F06	13429	3-2	1200	Mon	Russian diplo/intel. Header: 11166 70202 85274 30094 02479	FSK 200/1000	(AB)
F06	11164	3-2	1210	Mon	Russian diplo/intel. Header: 11166 70202 85274 30094 02479	FSK 200/1000	(AB)
F06	9164	3-2	1220	Mon	Russian diplo/intel. Header: 11166 70202 85274 30094 02479	FSK 200/1000	(AB)
F06	13369	4-2	0700	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 85237 03095 02239 and 11166 70202 19524 03096 02099	FSK 200/1000	(AB)
F06	11048	4-2	0710	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 85237 03095 02239 and 11166 70202 19524 03096 02099	FSK 200/1000	(AB)
F06	9244	4-2	0720	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 85237 03095 02239 and 11166 70202 19524 03096 02099	FSK 200/1000	(AB)
F06	13429	4-2	1200	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 85237 03095 02239 and 11166 70202 19524 03096 02099	FSK 200/1000	(AB/MPJ)
F06	11164	4-2	1210	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 85237 03095 02239 and 11166 70202 19524 03096 02099	FSK 200/1000	(AB/MPJ)
F06	9164	4-2	1220	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 85237 03095 02239 and 11166 70202 19524 03096 02099	FSK 200/1000	(AB/MPJ)
F06	13374	4-2	1650	Tue	Russian diplo/intel. 11166 10053 17935 04163 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	11165	4-2	1700	Tue	Russian diplo/intel. 11166 10053 17935 04163 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	9219	4-2	1710	Tue	Russian diplo/intel. 11166 10053 17935 04163 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	13369	5-2	0700	Wed	Russian diplo/intel. Header: 11166 70202 35796 04097 02359	FSK 200/1000	(AB-RUS)
F06	11048	5-2	0710	Wed	Russian diplo/intel. Header: 11166 70202 35796 04097 02359	FSK 200/1000	(AB)

F06	9244	5-2	0720	Wed	Russian diplo/intel. Header: 11166 70202 35796 04097 02359	FSK 200/1000	(AB)
F06	13429	5-2	1200	Wed	Russian diplo/intel. Header: 11166 70202 35796 04097 02359	FSK 200/1000	(AB)
F06	11164	5-2	1210	Wed	Russian diplo/intel. Header: 11166 70202 35796 04097 02359	FSK 200/1000	(AB)
F06	9164	5-2	1220	Wed	Russian diplo/intel. Header: 11166 70202 35796 04097 02359	FSK 200/1000	(AB)
F06	13369	6-2	0700	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 59841 05098 01839 and 11166 70202 49178 05099 01779	FSK 200/1000	(AB-RUS)
F06	11048	6-2	0710	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 59841 05098 01839 and 11166 70202 49178 05099 01779	FSK 200/1000	(AB)
F06	9244	6-2	0720	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 59841 05098 01839 and 11166 70202 49178 05099 01779	FSK 200/1000	(AB)
F06	9945	6-2	0800	Thu	Russian diplo/intel. 11166 70048 74123 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8059	6-2	0810	Thu	Russian diplo/intel. 11166 70048 74123 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6816	6-2	0820	Thu	Russian diplo/intel. 11166 70048 74123 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13429	6-2	1200	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 59841 05098 01839 and 11166 70202 49178 05099 01779	FSK 200/1000	(AB)
F06	11164	6-2	1210	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 59841 05098 01839 and 11166 70202 49178 05099 01779	FSK 200/1000	(AB)
F06	9164	6-2	1220	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 59841 05098 01839 and 11166 70202 49178 05099 01779	FSK 200/1000	(AB)
F06	14983	6-2	1330	Thu	Russian diplo/intel. 11166 00000 85217 06019 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL/MPJ)
F06	12196	6-2	1340	Thu	Russian diplo/intel. 11166 00000 85217 06019 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	9917	6-2	1350	Thu	Russian diplo/intel. 11166 00000 85217 06019 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ)
F06	13369	7-2	0700	Fir	Russian diplo/intel. 11166 70202 64187 07048 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11048	7-2	0710	Fir	Russian diplo/intel. 11166 70202 64187 07048 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9244	7-2	0720	Fir	Russian diplo/intel. 11166 70202 64187 07048 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13464	9-2	1530	Sun	Russian diplo/intel. 11166 10053 78523 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11548	9-2	1540	Sun	Russian diplo/intel. 11166 10053 78523 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9323	9-2	1550	Sun	Russian diplo/intel. 11166 10053 78523 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13369	10-2	0700	Mon	Russian diplo/intel. Header: 11166 70202 47281 07001 02499	FSK 200/1000	(AB)
F06	11048	10-2	0710	Mon	Russian diplo/intel. Header: 11166 70202 47281 07001 02499	FSK 200/1000	(AB)
F06	9244	10-2	0720	Mon	Russian diplo/intel. Header: 11166 70202 47281 07001 02499	FSK 200/1000	(AB)
F06	13429	10-2	1200	Mon	Russian diplo/intel. Header: 11166 70202 47281 07001 02499	FSK 200/1000	(AB)
F06	11164	10-2	1210	Mon	Russian diplo/intel. Header: 11166 70202 47281 07001 02499	FSK 200/1000	(AB)
F06	9164	10-2	1220	Mon	Russian diplo/intel. Header: 11166 70202 47281 07001 02499	FSK 200/1000	(AB)
F06	9407	11-2	0030	Tue	Russian diplo/intel. 11166 60070 96321 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	7652	11-2	0040	Tue	Russian diplo/intel. 11166 60070 96321 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	5743	11-2	0050	Tue	Russian diplo/intel. 11166 60070 96321 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	13369	11-2	0700	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 78954 10002 02339 and 11166 70202 12385 10003 02199	FSK 200/1000	(AB)

F06	11048	11-2	0710	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 78954 10002 02339 and 11166 70202 12385 10003 02199	FSK 200/1000	(AB)
F06	9244	11-2	0720	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 78954 10002 02339 and 11166 70202 12385 10003 02199	FSK 200/1000	(AB)
F06	13429	11-2	1200	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 78954 10002 02339 and 11166 70202 12385 10003 02199	FSK 200/1000	(AB)
F06	11164	11-2	1210	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 78954 10002 02339 and 11166 70202 12385 10003 02199	FSK 200/1000	(AB)
F06	9164	11-2	1220	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 78954 10002 02339 and 11166 70202 12385 10003 02199	FSK 200/1000	(AB)
F06	13374	11-2	1650	Tue	Russian diplo/intel. 11166 10053 45632 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	11165	11-2	1700	Tue	Russian diplo/intel. 11166 10053 45632 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9219	11-2	1710	Tue	Russian diplo/intel. 11166 10053 45632 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13369	12-2	0700	Wed	Russian diplo/intel. Header: 11166 70202 85236 11004 02139	FSK 200/1000	(AB-RUS)
F06	11048	12-2	0710	Wed	Russian diplo/intel. Header: 11166 70202 85236 11004 02139	FSK 200/1000	(AB)
F06	9244	12-2	0720	Wed	Russian diplo/intel. Header: 11166 70202 85236 11004 02139	FSK 200/1000	(AB)
F06	20868	12-2	0900	Wed	Russian diplo/intel. Header: 11166 00052 56418 12054 02649	FSK 200/1000	(AB-RUS)
F06	16253	12-2	0920	Wed	Russian diplo/intel. Header: 11166 00052 56418 12054 02649	FSK 200/1000	(AB)
F06	18691	12-2	0920	Wed	Russian diplo/intel. Header: 11166 00052 56418 12054 02649	FSK 200/1000	(AB-RUS)
F06	13429	12-2	1200	Wed	Russian diplo/intel. Header: 11166 70202 85236 11004 02139	FSK 200/1000	(AB)
F06	11164	12-2	1210	Wed	Russian diplo/intel. Header: 11166 70202 85236 11004 02139	FSK 200/1000	(AB)
F06	9164	12-2	1220	Wed	Russian diplo/intel. Header: 11166 70202 85236 11004 02139	FSK 200/1000	(AB)
F06	13369	13-2	0700	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 25896 12005 01539 and 11166 70202 26987 12006 01639	FSK 200/1000	(AB-POL)
F06	11048	13-2	0710	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 25896 12005 01539 and 11166 70202 26987 12006 01639	FSK 200/1000	(AB)
F06	9244	13-2	0720	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 25896 12005 01539 and 11166 70202 26987 12006 01639	FSK 200/1000	(AB)
F06	9945	13-2	0800	Thu	Russian diplo/intel. 11166 70048 14789 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8059	13-2	0810	Thu	Russian diplo/intel. 11166 70048 14789 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6816	13-2	0820	Thu	Russian diplo/intel. 11166 70048 14789 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20868	13-2	0900	Thu	Russian diplo/intel. Header: 11166 00052 56418 12054 02649	FSK 200/1000	(AB-RUS)
F06	16253	13-2	0920	Thu	Russian diplo/intel. Header: 11166 00052 56418 12054 02649	FSK 200/1000	(AB)
F06	18691	13-2	0920	Thu	Russian diplo/intel. Header: 11166 00052 56418 12054 02649	FSK 200/1000	(AB-RUS)
F06	13429	13-2	1200	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 25896 12005 01539 and 11166 70202 26987 12006 01639	FSK 200/1000	(AB-POL)
F06	11164	13-2	1210	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 25896 12005 01539 and 11166 70202 26987 12006 01639	FSK 200/1000	(AB-POL)
F06	9164	13-2	1220	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 25896 12005 01539 and 11166 70202 26987 12006 01639	FSK 200/1000	(AB)

F06	14983	13-2	1330	Thu	Russian diplo/intel. 11166 80214 85217 13057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12196	13-2	1340	Thu	Russian diplo/intel. 11166 80214 85217 13057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9917	13-2	1350	Thu	Russian diplo/intel. 11166 80214 85217 13057 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13369	14-2	0700	Fir	Russian diplo/intel. 11166 70202 76943 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11048	14-2	0710	Fir	Russian diplo/intel. 11166 70202 76943 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9244	14-2	0720	Fir	Russian diplo/intel. 11166 70202 76943 14001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13464	16-2	1530	Sun	Russian diplo/intel. 11166 10053 17935 16177 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11548	16-2	1540	Sun	Russian diplo/intel. 11166 10053 17935 16177 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9323	16-2	1550	Sun	Russian diplo/intel. 11166 10053 17935 16177 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6866	17-2	0500	Mon	Russian diplo/intel. 11166 70059 17935 17173 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5326	17-2	0510	Mon	Russian diplo/intel. 11166 70059 17935 17173 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4616	17-2	0520	Mon	Russian diplo/intel. 11166 70059 17935 17173 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13369	17-2	0700	Mon	Russian diplo/intel. Header: 11166 70202 75613 14007 02839	FSK 200/1000	(AB)
F06	11048	17-2	0710	Mon	Russian diplo/intel. Header: 11166 70202 75613 14007 02839	FSK 200/1000	(AB)
F06	9244	17-2	0720	Mon	Russian diplo/intel. Header: 11166 70202 75613 14007 02839	FSK 200/1000	(AB)
F06	13429	17-2	1200	Mon	Russian diplo/intel. Header: 11166 70202 75613 14007 02839	FSK 200/1000	(AB)
F06	11164	17-2	1210	Mon	Russian diplo/intel. Header: 11166 70202 75613 14007 02839	FSK 200/1000	(AB)
F06	9164	17-2	1220	Mon	Russian diplo/intel. Header: 11166 70202 75613 14007 02839	FSK 200/1000	(AB)
F06	9407	18-2	0030	Tue	Russian diplo/intel. 11166 60070 12589 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	7652	18-2	0040	Tue	Russian diplo/intel. 11166 60070 12589 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	5743	18-2	0050	Tue	Russian diplo/intel. 11166 60070 12589 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/RL)
F06	13369	18-2	0700	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 35197 17008 01579 and 11166 70202 19764 17009 01659	FSK 200/1000	(AB-POL)
F06	11048	18-2	0710	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 35197 17008 01579 and 11166 70202 19764 17009 01659	FSK 200/1000	(AB)
F06	9244	18-2	0720	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 35197 17008 01579 and 11166 70202 19764 17009 01659	FSK 200/1000	(AB)
F06	13429	18-2	1200	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 35197 17008 01579 and 11166 70202 19764 17009 01659	FSK 200/1000	(AB)
F06	11164	18-2	1210	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 35197 17008 01579 and 11166 70202 19764 17009 01659	FSK 200/1000	(AB)
F06	9164	18-2	1220	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 35197 17008 01579 and 11166 70202 19764 17009 01659	FSK 200/1000	(AB)
F06	13374	18-2	1650	Tue	Russian diplo/intel. 11166 10053 68134 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	11165	18-2	1700	Tue	Russian diplo/intel. 11166 10053 68134 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS)
F06	9219	18-2	1710	Tue	Russian diplo/intel. 11166 10053 68134 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16071	19-2	0620	Wed	Russian diplo/intel. 11166 40122 12674 19017 00049 00000 00000 00000 00000	FSK 200/1000	(AB-CHN)
F06	13369	19-2	0700	Wed	Russian diplo/intel. Header: 11166 70202 54879 18010 02499	FSK 200/1000	(AB-POL)
F06	11048	19-2	0710	Wed	Russian diplo/intel. Header: 11166 70202 54879 18010 02499	FSK 200/1000	(AB)
F06	9244	19-2	0720	Wed	Russian diplo/intel. Header: 11166 70202 54879 18010 02499	FSK 200/1000	(AB)

F06	13429	19-2	1200	Wed	Russian diplo/intel. Header: 11166 70202 54879 18010 02499	FSK 200/1000	(AB)
F06	11164	19-2	1210	Wed	Russian diplo/intel. Header: 11166 70202 54879 18010 02499	FSK 200/1000	(AB)
F06	9164	19-2	1220	Wed	Russian diplo/intel. Header: 11166 70202 54879 18010 02499	FSK 200/1000	(AB)
F06	13369	20-2	0700	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 58623 19011 02619 and 11166 70202 48596 19012 00839	FSK 200/1000	(AB-POL)
F06	11048	20-2	0710	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 58623 19011 02619 and 11166 70202 48596 19012 00839	FSK 200/1000	(AB)
F06	9244	20-2	0720	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 58623 19011 02619 and 11166 70202 48596 19012 00839	FSK 200/1000	(AB)
F06	9945	20-2	0800	Thu	Russian diplo/intel. 11166 70048 17935 20151 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8059	20-2	0810	Thu	Russian diplo/intel. 11166 70048 17935 20151 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6816	20-2	0820	Thu	Russian diplo/intel. 11166 70048 17935 20151 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13429	20-2	1200	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 58623 19011 02619 and 11166 70202 48596 19012 00839	FSK 200/1000	(AB-POL/MPJ)
F06	11164	20-2	1210	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 58623 19011 02619 and 11166 70202 48596 19012 00839	FSK 200/1000	(AB-POL/MPJ)
F06	9164	20-2	1220	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 58623 19011 02619 and 11166 70202 48596 19012 00839	FSK 200/1000	(AB/MPJ)
F06	14983	20-2	1330	Thu	Russian diplo/intel. 11166 80214 19578 20037 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12196	20-2	1340	Thu	Russian diplo/intel. 11166 80214 19578 20037 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9917	20-2	1350	Thu	Russian diplo/intel. 11166 80214 19578 20037 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13369	21-2	0700	Fir	Russian diplo/intel. 11166 70202 76943 21097 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	11048	21-2	0710	Fir	Russian diplo/intel. 11166 70202 76943 21097 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL)
F06	9244	21-2	0720	Fir	Russian diplo/intel. 11166 70202 76943 21097 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13464	23-2	1530	Sun	Russian diplo/intel. 11166 10053 13579 23067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11548	23-2	1540	Sun	Russian diplo/intel. 11166 10053 13579 23067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9323	23-2	1550	Sun	Russian diplo/intel. 11166 10053 13579 23067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13369	24-2	0700	Mon	Russian diplo/intel. Header: 11166 70202 31975 21013 02539	FSK 200/1000	(AB)
F06	11048	24-2	0710	Mon	Russian diplo/intel. Header: 11166 70202 31975 21013 02539	FSK 200/1000	(AB)
F06	9244	24-2	0720	Mon	Russian diplo/intel. Header: 11166 70202 31975 21013 02539	FSK 200/1000	(AB)
F06	13429	24-2	1200	Mon	Russian diplo/intel. Header: 11166 70202 31975 21013 02539	FSK 200/1000	(AB/MPJ)
F06	11164	24-2	1210	Mon	Russian diplo/intel. Header: 11166 70202 31975 21013 02539	FSK 200/1000	(AB/MPJ)
F06	9164	24-2	1220	Mon	Russian diplo/intel. Header: 11166 70202 31975 21013 02539	FSK 200/1000	(AB/MPJ)
F06	9407	25-2	0030	Tue	Russian diplo/intel. 11166 60070 17935 25349 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7652	25-2	0040	Tue	Russian diplo/intel. 11166 60070 17935 25349 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5743	25-2	0050	Tue	Russian diplo/intel. 11166 60070 17935 25349 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13369	25-2	0700	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 52367 25014 02339 and 11166 70202 52917 21015 02039	FSK 200/1000	(AB-POL)
F06	11048	25-2	0710	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 52367 25014 02339 and 11166 70202 52917 21015 02039	FSK 200/1000	(AB)

F06	9244	25-2	0720	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 52367 25014 02339 and 11166 70202 52917 21015 02039	FSK 200/1000	(AB)
F06	13429	25-2	1200	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 52367 25014 02339 and 11166 70202 52917 21015 02039	FSK 200/1000	(AB/MPJ)
F06	11164	25-2	1210	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 52367 25014 02339 and 11166 70202 52917 21015 02039	FSK 200/1000	(AB/MPJ)
F06	9164	25-2	1220	Tue	Russian diplo/intel. Two messages. Headers: 11166 70202 52367 25014 02339 and 11166 70202 52917 21015 02039	FSK 200/1000	(AB/MPJ)
F06	13374	25-2	1650	Tue	Russian diplo/intel. 11166 10053 78963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-POL/MPJ-POL)
F06	11165	25-2	1700	Tue	Russian diplo/intel. 11166 10053 78963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-RUS/MPJ-POL)
F06	9219	25-2	1710	Tue	Russian diplo/intel. 11166 10053 78963 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/MPJ-POL)
F06	18291	26-2	0610	Wed	Russian diplo/intel. Header: 11166 40122 62571 22075 03229	FSK 200/1000	(AB-J)
F06	16071	26-2	0620	Wed	Russian diplo/intel. Header: 11166 40122 62571 22075 03229	FSK 200/1000	(AB-CHN)
F06	13369	26-2	0700	Wed	Russian diplo/intel. Header: 11166 70202 63549 25016 02759	FSK 200/1000	(AB-POL)
F06	11048	26-2	0710	Wed	Russian diplo/intel. Header: 11166 70202 63549 25016 02759	FSK 200/1000	(AB)
F06	9244	26-2	0720	Wed	Russian diplo/intel. Header: 11166 70202 63549 25016 02759	FSK 200/1000	(AB)
F06	20868	26-2	0900	Wed	Russian diplo/intel. Header: 11166 00052 85236 26055 01269	FSK 200/1000	(AB-RUS)
F06	16253	26-2	0920	Wed	Russian diplo/intel. Header: 11166 00052 85236 26055 01269	FSK 200/1000	(AB)
F06	18691	26-2	0920	Wed	Russian diplo/intel. Header: 11166 00052 85236 26055 01269	FSK 200/1000	(AB-RUS)
F06	13429	26-2	1200	Wed	Russian diplo/intel. Header: 11166 70202 63549 25016 02759	FSK 200/1000	(AB)
F06	11164	26-2	1210	Wed	Russian diplo/intel. Header: 11166 70202 63549 25016 02759	FSK 200/1000	(AB)
F06	9164	26-2	1220	Wed	Russian diplo/intel. Header: 11166 70202 63549 25016 02759	FSK 200/1000	(AB)
F06	18291	27-2	0610	Thu	Russian diplo/intel. Header: 11166 40122 62571 22075 03229	FSK 200/1000	(AB-KOR)
F06	16071	27-2	0620	Thu	Russian diplo/intel. Header: 11166 40122 62571 22075 03229	FSK 200/1000	(AB-KOR)
F06	13369	27-2	0700	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 42671 26017 01259 and 11166 70202 32974 26018 02059	FSK 200/1000	(AB-POL)
F06	11048	27-2	0710	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 42671 26017 01259 and 11166 70202 32974 26018 02059	FSK 200/1000	(AB)
F06	9244	27-2	0720	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 42671 26017 01259 and 11166 70202 32974 26018 02059	FSK 200/1000	(AB)
F06	9945	27-2	0800	Thu	Russian diplo/intel. 11166 70048 12589 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8059	27-2	0810	Thu	Russian diplo/intel. 11166 70048 12589 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6816	27-2	0820	Thu	Russian diplo/intel. 11166 70048 12589 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20868	27-2	0900	Thu	Russian diplo/intel. Header: 11166 00052 85236 26055 01269	FSK 200/1000	(AB-RUS)
F06	16253	27-2	0920	Thu	Russian diplo/intel. Header: 11166 00052 85236 26055 01269	FSK 200/1000	(AB)
F06	18691	27-2	0920	Thu	Russian diplo/intel. Header: 11166 00052 85236 26055 01269	FSK 200/1000	(AB-RUS)
F06	13429	27-2	1200	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 42671 26017 01259 and 11166 70202 32974 26018 02059	FSK 200/1000	(AB)

F06	11164	27-2	1210	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 42671 26017 01259 and 11166 70202 32974 26018 02059	FSK 200/1000	(AB)
F06	9164	27-2	1220	Thu	Russian diplo/intel. Two messages. Headers: 11166 70202 42671 26017 01259 and 11166 70202 32974 26018 02059	FSK 200/1000	(AB)
F06	14983	27-2	1330	Thu	Russian diplo/intel. 11166 80214 83458 27023 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12196	27-2	1340	Thu	Russian diplo/intel. 11166 80214 83458 27023 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9917	27-2	1350	Thu	Russian diplo/intel. 11166 80214 83458 27023 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13369	28-2	0700	Fir	Russian diplo/intel. 11166 70202 35718 27003 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11048	28-2	0710	Fir	Russian diplo/intel. 11166 70202 35718 27003 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9244	28-2	0720	Fir	Russian diplo/intel. 11166 70202 35718 27003 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06a	19325	1-2	1500	Sat	Russian diplo/intel. File 04401, 819 bytes	FSK 200/1000	(AB-RUS/Danix)
F06a	17513	1-2	1515	Sat	Russian diplo/intel. File 04401, 819 bytes	FSK 200/1000	(AB-RUS/Danix)
F06a	15766	1-2	1530	Sat	Russian diplo/intel. File 04401, 819 bytes	FSK 200/1000	(AB-RUS/Danix)
F06a	19325	2-2	1500	Sun	Russian diplo/intel. File 04401, 819 bytes	FSK 200/1000	(Danix)
F06a	19325	8-2	1500	Sat	Russian diplo/intel. File 04402, 784 bytes	FSK 200/1000	(Danix)
F06a	17513	8-2	1515	Sat	Russian diplo/intel. File 04402, 784 bytes	FSK 200/1000	(Danix)
F06a	15766	8-2	1530	Sat	Russian diplo/intel. File 04402, 784 bytes	FSK 200/1000	(Danix)
F06a	19325	9-2	1500	Sun	Russian diplo/intel. File 04402, 784 bytes	FSK 200/1000	(AB-RUS)
F06a	17513	9-2	1515	Sun	Russian diplo/intel. File 04402, 784 bytes	FSK 200/1000	(AB-RUS)
F06a	15766	9-2	1530	Sun	Russian diplo/intel. File 04402, 784 bytes	FSK 200/1000	(AB-RUS)
F06a	6909	13-2	0500	Thu	Russian diplo/intel. File 44408 (1124 bytes)	FSK 200/1000	(Danix)
F06a	5796	13-2	0515	Thu	Russian diplo/intel. File 44408 (1124 bytes)	FSK 200/1000	(Danix)
F06a	4839	13-2	0530	Thu	Russian diplo/intel. File 44408 (1124 bytes)	FSK 200/1000	(Danix)
F06a	9064	13-2	0750	Thu	Russian diplo/intel. Header: 44400 10129 13495 13007 00009 File 04407 (500 bytes)	FSK 200/1000	(Danix)
F06a	6909	14-2	0500	Fir	Russian diplo/intel. File 44408 (1124 bytes)	FSK 200/1000	(Danix)
F06a	5796	14-2	0515	Fir	Russian diplo/intel. File 44408 (1124 bytes)	FSK 200/1000	(Danix)
F06a	4839	14-2	0530	Fir	Russian diplo/intel. File 44408 (1124 bytes)	FSK 200/1000	(Danix)
F06a	19325	15-2	1500	Sat	Russian diplo/intel. File 04403, 989 bytes	FSK 200/1000	(Danix)
F06a	17513	15-2	1515	Sat	Russian diplo/intel. File 04403, 989 bytes	FSK 200/1000	(Danix)
F06a	15766	15-2	1530	Sat	Russian diplo/intel. File 04403, 989 bytes	FSK 200/1000	(Danix)
F06a	19325	16-2	1500	Sun	Russian diplo/intel. File 04403, 989 bytes	FSK 200/1000	(AB-RUS)
F06a	17513	16-2	1515	Sun	Russian diplo/intel. File 04403, 989 bytes	FSK 200/1000	(AB-RUS)
F06a	15766	16-2	1530	Sun	Russian diplo/intel. File 04403, 989 bytes	FSK 200/1000	(AB-RUS)
F06a	6909	20-2	0500	Thu	Russian diplo/intel. File 44409, 852 bytes	FSK 200/1000	(Danix)
F06a	5796	20-2	0515	Thu	Russian diplo/intel. File 44409, 852 bytes	FSK 200/1000	(Danix)
F06a	4839	20-2	0530	Thu	Russian diplo/intel. File 44409, 852 bytes	FSK 200/1000	(Danix)
F06a	6909	21-2	0500	Fir	Russian diplo/intel. File 44409, 852 bytes	FSK 200/1000	(Danix)
F06a	5796	21-2	0515	Fir	Russian diplo/intel. File 44409, 852 bytes	FSK 200/1000	(Danix)
F06a	4839	21-2	0530	Fir	Russian diplo/intel. File 44409, 852 bytes	FSK 200/1000	(Danix)
F06a	19325	22-2	1500	Sat	Russian diplo/intel. File 04404, 690 bytes	FSK 200/1000	(AB-RUS)

HM01	11435	8-2	1630	Sat	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RR2)
HM01	16180	8-2	2100	Sat	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	17480	8-2	2200	Sat	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	9065	9-2	0800	Sun	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9240	9-2	0900	Sun	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9155	9-2	1000	Sun	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	11435	9-2	1630	Sun	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RR2)
HM01	11635	9-2	2100	Sun	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	10715	9-2	2200	Sun	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	9330	10-2	0700	Mon	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9065	10-2	0800	Mon	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9155	10-2	1000	Mon	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	11435	10-2	1600	Mon	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RR2)
HM01	11635	10-2	2100	Mon	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	10715	10-2	2200	Mon	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	11435	11-2	1600	Tue	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RR2)
HM01	16180	11-2	2100	Tue	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	9330	12-2	0800	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9065	12-2	0800	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9240	12-2	0901	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9155	12-2	1000	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	11435	12-2	1630	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RR2)
HM01	11530	13-2	1730	Thu	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RR2)
HM01	16180	13-2	2100	Thu	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	17480	13-2	2200	Thu	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	9330	14-2	0700	Fir	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9065	14-2	0800	Fir	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9240	14-2	0900	Fir	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9155	14-2	1000	Fir	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	11435	14-2	1630	Fir	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RR2)
HM01	11635	14-2	2100	Fir	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	10715	14-2	2200	Fir	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	9330	16-2	0700	Sun	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9330	16-2	0800	Sun	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019) Should be on 9065 kHz	AM/RDFT	(AB)
HM01	9240	16-2	0900	Sun	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9330	17-2	0700	Mon	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9065	17-2	0800	Mon	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9240	17-2	0900	Mon	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9155	17-2	1000	Mon	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019) Should be on 9155 kHz.	AM/RDFT	(AB)
HM01	11635	17-2	2100	Mon	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)

HM01	11635	17-2	2200	Mon	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	11435	18-2	1600	Tue	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB-USA)
HM01	11530	18-2	1730	Tue	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RR2)
HM01	16180	18-2	2100	Tue	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	9330	19-2	0700	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9065	19-2	0800	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB)
HM01	9240	19-2	0901	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB/RL)
HM01	9155	19-2	1000	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB/RL)
HM01	11435	19-2	1642	Wed	i.p. 77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB-USA)
HM01	11435	19-2	1700	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RR2)
HM01	11530	19-2	1730	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(AB-USA)
HM01	11530	19-2	1800	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019) Should be on 11635 kHz. Switch to 11635 kHz at 1804 UTC	AM/RDFT	(AB-USA)
HM01	11635	19-2	1804	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019) Switch from 11530 kHz at 1804 UTC	AM/RDFT	(AB-USA)
HM01	11635	19-2	2100	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	10715	19-2	2200	Wed	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	11435	20-2	1630	Thu	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RR2)
HM01	17480	20-2	2100	Thu	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	16180	20-2	2100	Thu	77236 61724 01307 67503 26321 03484 (repeat of 5 Nov 2019)	AM/RDFT	(RL)
HM01	11435	21-2	1630	Fir	53574 75408 42577 06684 25545 85154	AM/RDFT	(RR2)
HM01	11530	21-2	1716	Fir	i.p. 53574 75408 42577 06684 25545 85154. Files: 25615357.TXT 36177540.F1G 83074257.TXT 75670668.TXT 18182554.TXT 62558515.TXT	AM/RDFT	(AB-USA)
HM01	11635	21-2	1800	Fir	53574 75408 42577 06684 25545 85154. Files: 25615357.TXT 36177540.F1G 83074257.TXT 75670668.TXT 18182554.TXT 62558515.TXT	AM/RDFT	(AB-USA)
HM01	11635	21-2	2100	Fir	53574 75408 42577 06684 25545 85154	AM/RDFT	(RL)
HM01	10715	21-2	2100	Fir	53574 75408 42577 06684 25545 85154	AM/RDFT	(RL)
HM01	11435	22-2	1600	Sat	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB-USA)
HM01	11435	22-2	1600	Sat	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB-USA)
HM01	11435	22-2	1630	Sat	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RR2)
HM01	11530	22-2	1700	Sat	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB-USA)
HM01	16180	22-2	2100	Sat	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RL)
HM01	17480	22-2	2100	Sat	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RL)
HM01	9330	23-2	0700	Sun	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB)
HM01	9065	23-2	0800	Sun	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB)
HM01	9240	23-2	0900	Sun	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB)
HM01	11435	23-2	1600	Sun	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RR2)
HM01	13740	23-2	2300	Sun	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(FT)
HM01	9065	24-2	0800	Mon	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB)
HM01	9240	24-2	0900	Mon	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB)
HM01	9155	24-2	1000	Mon	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB)

HM01	11435	24-2	1640	Mon	i.p. 53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RR2)
HM01	11435	25-2	1600	Tue	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RR2)
HM01	9330	26-2	0700	Wed	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB)
HM01	9065	26-2	0800	Wed	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB)
HM01	9240	26-2	0900	Wed	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB)
HM01	9155	26-2	1000	Wed	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB/RL)
HM01	11435	26-2	1630	Wed	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RR2)
HM01	11635	26-2	2100	Wed	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RL)
HM01	10715	26-2	2200	Wed	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RL)
HM01	11435	27-2	1600	Thu	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RR2)
HM01	10715	27-2	2200	Thu	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RL)
HM01	9240	28-2	0900	Fir	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(AB)
HM01	11435	28-2	1630	Fir	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RR2)
HM01	11435	29-2	1600	Sat	53574 75408 42577 06684 25545 85154 (repeat of 21 Feb)	AM/RDFT	(RR2)
M01	5810	1-2	1500	Sat	197 227 227 30 30 = = 85262 66683 28598 ... 58936 26869 72401 = = 227 227 30 30 000	CW	(AB-RUS/ES-RUS)
M01	5465	2-2	0700	Sun	197 417 417 30 30 = = 98893 14191 73644 ... 30290 65020 57146 = = = 417 417 30 30 000	CW	(AB/ES-HOL)
M01	5320	4-2	1800	Tue	197 (too weak to copy)	CW	(AB/ES)
M01	4490	4-2	2000	Tue	197 309 309 30 30 = = 01971 74435 51306 ... 69080 62684 39211 = = 309 309 30 30 000	CW	(AB/MPJ/ES)
M01	5320	6-2	1800	Thu	197 137 137 30 30 = = 55887 76183 64948 ... 56164 (16164) 21987 = = 137 137 30 30 000	CW	(AB)
M01	4490	6-2	2000	Thu	197 139 139 30 30 = = 75798 19318 88941 ...(6270) 51611 79863 = = 139 139 30 30 000	CW	(AB)
M01	5810	8-2	1500	Sat	197 979 979 = 30 30 = = 02xxx 022x5 64342 64342 xxx67 1946x x698x xx985 = = 979 979 = 30 30 0 0 0	CW	(ES)
M01	5465	9-2	0700	Sun	197 226 226 30 30 = = 82978 84301 35686 ... 38507 67771 47023 = = 226 226 30 30 000	CW	(AB/ES)
M01	5320	11-2	1800	Tue	197 618 618 30 30 = = 13492 84423 12092 ... 50637 25503 82106 = = 618 618 30 30 000	CW	(AB-RUS)
M01	4490	11-2	2000	Tue	197 397 397 30 30 = = 13492 79227 81920 ... 67219 82312 92318 = = 397 397 37 30 000	CW	(AB)
M01	4490	13-2	2000	Thu	197 397 397 30 30 = = 13492 79227 81920 ... 67219 82312 92318 = = 397 397 30 30 000	CW	(AB)
M01	5465	16-2	0700	Sun	197 520 520 = 30 30 = = 68916 59492 48080 ... 58078 60040 37529 = = 520 520 = 30 30 000	CW	(AB/ES)
M01	5320	18-2	1800	Tue	197 127 127 30 30 = = 71948 61524 32608 ... 08109 54776 27970 = = 127 127 30 30 000	CW	(AB/ES)
M01	5320	20-2	1800	Thu	197 777 777 30 30 12891 15997 24948 ... 92436 38634 (92436) 50362 777 777 30 30 000	CW	(AB)
M01	4490	20-2	2003	Thu	Late start. 197 519 519 30 30 = = 15557 10866 80218 08112 45304 unreadable = = 9 519 519 = 30 30 000	CW	(AB)
M01	5810	22-2	1450	Sat	197 321 321 30 30 = = 02590 02590 88604 ... 28785 62267 62267 = = 321 321 30 30 000	CW	(AB/ES)
M01	5465	23-2	0700	Sun	197 327 327 30 30 = = 28684 08799 99756 ... 1888404 8844 29326 3932 = = 327 327 30 30 000	CW	(AB/ES)
M01	5320	25-2	1800	Tue	197 421 421 30 30 = = 19347 40081 72314 ... 71908 26593 82015 = = 421 421 30 30 000	CW	(AB)
M01	4490	25-2	2000	Tue	197 235 235 30 30 = = 93276 34817 20536 ... 70269 12856 80235 = = 235 235 30 30 000	CW	(AB)
M01	5320	27-2	1800	Thu	197 652 652 30 30 = = 79853 79853 24560 24560 59879 59879 ... 01700 010 38238 3003376 03376 32219 329 = = 652 652 30 30 000	CW	(AB)
M01	4490	27-2	2000	Thu	197 177 177 30 30 = = 11048 11048 83240 83240 04431 04431 ... 47942 47942 1774 81741407105 = = 177 177 30 30 000	CW	(AB)
M01	5810	29-2	1500	Sat	197 = 430 430 30 30 = = 12869 10334 93800 ... 28812 46146 56122 = = 430 430 30 30 000	CW	(AB/MPJ)

M01a	4884	5-2	0905	Wed	714 714 714 66898 66898 333 111 333 000 111 999 151 10 = 65987 64451 45210 ... 45210 45211 78543 = 151 10 111 000	CW	(F5JBR)
M01a	4578	5-2	0908	Wed	i.p. 91343 93677 68575 13957 41671 05305 61094 56526 56647 83891 04021/013622 000	CW	(F5JBR)
M01a	4589	5-2	0931	Wed	460 460 460 35979 35979 460 460 460 35049 35049 460 460 460 35202 35202 460 460 460 35322 35322	CW	(F5JBR)
M01a	8111	12-2	0638	Wed	444 333 536 536 536 34568 34568 111 000	CW	(F5JBR)
M01b	3520	3-2	1910	Mon	Carrier only //2435 kHz	MCW	(AB)
M01b	2435	3-2	1910	Mon	Carrier only //3520 kHz	MCW	(AB)
M01b	3205	3-2	2015	Mon	Carrier only //2425 kHz	MCW	(AB)
M01b	2425	3-2	2015	Mon	Carrier only //3205 kHz	MCW	(AB)
M01b	2470	6-2	1930	Thu	910 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3545 kHz	MCW	(AB/MPJ)
M01b	3545	6-2	1930	Thu	910 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2470 kHz	MCW	(AB/MPJ)
M01b	3160	6-2	2040	Thu	382 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2485 kHz	MCW	(AB)
M01b	2485	6-2	2040	Thu	382 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3160 kHz	MCW	(AB)
M01b	3195	7-2	2002	Fir	866 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2655 kHz	MCW	(MPJ)
M01b	2655	7-2	2002	Fir	866 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3195 kHz	MCW	(MPJ)
M01b	3180	7-2	2109	Fir	610 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2405 kHz	MCW	(AB)
M01b	2405	7-2	2109	Fir	610 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3180 kHz	MCW	(AB)
M01b	3520	10-2	1910	Mon	853 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2435 kHz	MCW	(AB)
M01b	2435	10-2	1910	Mon	853 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3520 kHz	MCW	(AB)
M01b	2425	10-2	2015	Mon	375 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3205 kHz	MCW	(AB)
M01b	3205	10-2	2015	Mon	375 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2425 kHz	MCW	(AB)
M01b	3545	13-2	1930	Thu	910 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2470 kHz	MCW	(AB/MPJ)
M01b	2470	13-2	1930	Thu	910 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3545 kHz	MCW	(AB/MPJ)
M01b	3160	13-2	2040	Thu	382 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2485 kHz	MCW	(AB)
M01b	2485	13-2	2040	Thu	382 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3160 kHz	MCW	(AB)
M01b	3195	14-2	2002	Fir	866 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2655 kHz	MCW	(AB)
M01b	2655	14-2	2002	Fir	866 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3195 kHz	MCW	(AB)
M01b	3180	14-2	2109	Fir	610 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2405 kHz	MCW	(AB)
M01b	2405	14-2	2109	Fir	610 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3180 kHz	MCW	(AB)
M01b	2435	17-2	1910	Mon	853 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3520 kHz	MCW	(AB/MPJ)
M01b	3520	17-2	1910	Mon	853 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2435 kHz	MCW	(AB/MPJ)
M01b	3205	17-2	2015	Mon	375 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2425 kHz	MCW	(AB)
M01b	2425	17-2	2015	Mon	375 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3205 kHz	MCW	(AB)
M01b	2470	20-2	1930	Thu	910 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3545 kHz	MCW	(AB/MPJ)
M01b	3545	20-2	1930	Thu	910 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2470 kHz	MCW	(AB/MPJ)
M01b	3160	20-2	2040	Thu	382 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2485 kHz	MCW	(AB)
M01b	2485	20-2	2040	Thu	382 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3160 kHz	MCW	(AB)
M01b	2655	21-2	2002	Fir	866 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //3195 kHz	MCW	(AB)
M01b	3195	21-2	2002	Fir	866 591 591 32 32 = = 50912 70920 02196 ... 20091 11825 77018 = = 591 591 32 32 000 //2655 kHz	MCW	(AB)

M01b	3180	21-2	2109	Fir	610 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //2405 kHz	MCW	(AB)
M01b	2405	21-2	2109	Fir	610 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //3180 kHz	MCW	(AB)
M01b	3520	24-2	1910	Mon	853 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //2435 kHz	MCW	(AB/MPJ)
M01b	2435	24-2	1910	Mon	853 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //3520 kHz	MCW	(AB/MPJ)
M01b	3205	24-2	2015	Mon	375 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //2425 kHz	MCW	(AB)
M01b	2425	24-2	2015	Mon	375 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //3205 kHz	MCW	(AB)
M01b	2470	27-2	1930	Thu	910 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //3545 kHz	MCW	(AB)
M01b	3545	27-2	1930	Thu	910 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //2470 kHz	MCW	(AB)
M01b	2485	27-2	2040	Thu	382 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //3160 kHz	MCW	(AB)
M01b	3160	27-2	2040	Thu	382 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //2485 kHz	MCW	(AB)
M01b	2655	28-2	2002	Fir	866 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //3195 kHz	MCW	(AB/MPJ)
M01b	3195	28-2	2002	Fir	866 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //2655 kHz	MCW	(AB/MPJ)
M01b	3180	28-2	2109	Fir	610 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //2405 kHz	MCW	(AB)
M01b	2405	28-2	2109	Fir	610 591 591 32 32 == 50912 70920 02196 ... 20091 11825 77018 == 591 591 32 32 000 //3180 kHz	MCW	(AB)
M12	5832	1-2	2200	Sat	887 887 887 1 147 67 147 67 18369 72918 11636 ... 70177 45216 47152 000 000	CW	(AB/ES-HOL/HFD)
M12	6832	1-2	2220	Sat	887 887 887 1 147 67 147 67 18369 72918 11636 ... 70177 45216 47152 000 000	CW	(AB/ES-HOL/HFD)
M12	7732	1-2	2240	Sat	887 887 887 1 147 67 147 67 18369 72918 11636 ... 70177 45216 47152 000 000	CW	(AB/ES-HOL/HFD)
M12	7546	2-2	0600	Sun	516 516 516 1 441 82 441 82 45769 58737 93581 ... 15739 51818 65864 000 000	CW	(ES-HOL)
M12	9146	2-2	0620	Sun	516 516 516 1 441 82 441 82 45769 58737 93581 ... 15739 51818 65864 000 000	CW	(ES-HOL)
M12	10646	2-2	0640	Sun	516 516 516 1 441 82 441 82 45769 58737 93581 ... 15739 51818 65864 000 000	CW	(ES-HOL)
M12	17415	2-2	0800	Sun	427 427 427 000	CW	(ES-HOL)
M12	18215	2-2	0820	Sun	427 427 427 000	CW	(ES-HOL)
M12	13362	3-2	1400	Mon	353 353 353 000	CW	(AB/ES)
M12	11562	3-2	1420	Mon	[353 000] 1422 Fair, readable under B/C. CW E.SMITH MON.	CW	(ES)
M12	11562	3-2	1420	Mon	353 353 353 000	CW	(AB/ES)
M12	6937	3-2	2210	Mon	975 975 975 000	CW	(AB/RL)
M12	5737	3-2	2230	Mon	975 975 975 000	CW	(AB/RL/ES)
M12	9317	4-2	0530	Tue	135 135 135 1 4047 107 4047 107 95976 34700 63269 ... 72705 91462 18829 000 000	CW	(AB)
M12	10484	4-2	0550	Tue	135 135 135 1 4047 107 4047 107 95976 34700 63269 ... 72705 91462 18829 000 000	CW	(AB)
M12	7546	4-2	0600	Tue	516 516 516 000	CW	(AB/ES)
M12	11552	4-2	0610	Tue	135 135 135 1 4047 107 4047 107 95976 34700 63269 ... 72705 91462 18829 000 000	CW	(AB/ES)
M12	9146	4-2	0620	Tue	516 516 516 000	CW	(AB)
M12	17415	5-2	0800	Wed	427 427 427 000	CW	(AB/ES)
M12	18215	5-2	0820	Wed	427 427 427 000	CW	(AB/ES)
M12	14489	5-2	1310	Wed	441 441 441 1 423 56 423 56 62259 58559 19870 ... 27809 55664 38498 000 000	CW	(AB/ES/HFD)
M12	13489	5-2	1330	Wed	441 441 441 1 423 56 423 56 62259 58559 19870 ... 27809 55664 38498 000 000	CW	(AB/ES/HFD)
M12	12189	5-2	1350	Wed	441 441 441 1 423 56 423 56 62259 58559 19870 ... 27809 55664 38498 000 000	CW	(AB/ES/HFD)
M12	13362	5-2	1400	Wed	353 353 353 000	CW	(AB/ES/HFD)
M12	11562	5-2	1420	Wed	353 353 353 000	CW	(AB/ES/HFD)
M12	12162	5-2	1710	Wed	546 546 546 1 7137 113 7137 113 02765 42913 83986 ... 71729 24279 89193 000 000	CW	(AB)

M12	11566	5-2	1730	Wed	546 546 546 1 7137 113 7137 113 02765 42913 83986 ... 71729 24279 89193 000 000	CW	(AB)
M12	10711	5-2	1750	Wed	546 546 546 1 7137 113 7137 113 02765 42913 83986 ... 71729 24279 89193 000 000	CW	(AB-POL)
M12	6941	5-2	2050	Wed	986 986 986 000	CW	(AB/RL/ES/HFD)
M12	5841	5-2	2110	Wed	986 986 986 000	CW	(AB/RL/ES/HFD)
M12	10464	6-2	0030	Thu	441 441 441 000	CW	(RL)
M12	11464	6-2	0110	Thu	441 441 441 000	CW	(RL)
M12	12162	6-2	1700	Thu	546 546 546 1 3139 112 3139 112 51710 02144 26717 ... 40108 80584 58306 000 000	CW	(AB-RUS/MPJ)
M12	11566	6-2	1720	Thu	546 546 546 1 3139 112 3139 112 51710 02144 26717 ... 40108 80584 58306 000 000	CW	(AB-RUS/MPJ)
M12	10711	6-2	1740	Thu	546 546 546 1 3139 112 3139 112 51710 02144 26717 ... 40108 80584 58306 000 000	CW	(AB/MPJ)
M12	12162	6-2	1800	Thu	546 546 546 1 9674 113 9674 113 04389 62173 38795 ... 72276 96862 95594 000 000	CW	(AB-RUS)
M12	11566	6-2	1820	Thu	546 546 546 1 9674 113 9674 113 04389 62173 38795 ... 72276 96862 95594 000 000	CW	(AB-RUS)
M12	10711	6-2	1840	Thu	546 546 546 1 9674 113 9674 113 04389 62173 38795 ... 72276 96862 95594 000 000	CW	(AB-RUS)
M12	14377	6-2	2000	Thu	317 317 317 1 5981 108 5981 108 70751 62127 34066 ... 30106 31214 65870 000 000	CW	(AB)
M12	13461	6-2	2020	Thu	317 317 317 1 5981 108 5981 108 70751 62127 34066 ... 30106 31214 65870 000 000	CW	(AB)
M12	12114	6-2	2040	Thu	317 317 317 1 5981 108 5981 108 70751 62127 34066 ... 30106 31214 65870 000 000	CW	(AB)
M12	6937	6-2	2210	Thu	975 975 975 000	CW	(AB/RL)
M12	5737	6-2	2230	Thu	975 975 975 000	CW	(AB/RL)
M12	5734	7-2	0030	Fir	786 786 786 000	CW	(AB)
M12	6834	7-2	0050	Fir	786 786 786 000	CW	(AB/RL)
M12	14489	7-2	1310	Fir	441 441 441 1 423 56 423 56 62259 58559 19870 ... 27809 55664 38498 000 000	CW	(AB/ES)
M12	13489	7-2	1330	Fir	441 441 441 1 423 56 423 56 62259 58559 19870 ... 27809 55664 38498 000 000	CW	(AB/ES)
M12	12189	7-2	1350	Fir	441 441 441 1 423 56 423 56 62259 58559 19870 ... 27809 55664 38498 000 000	CW	(AB/ES)
M12	6941	7-2	2050	Fir	986 986 986 000	CW	(AB/ES)
M12	5841	7-2	2110	Fir	986 986 986 000	CW	(AB/RL/ES)
M12	5832	7-2	2200	Fir	887 887 887 1 147 67 147 67 18369 72918 11636 ... 70177 45216 47152 000 000	CW	(AB/RL/ES)
M12	6832	7-2	2220	Fir	887 887 887 1 147 67 147 67 18369 72918 11636 ... 70177 45216 47152 000 000	CW	(AB/RL/ES)
M12	7732	7-2	2240	Fir	887 887 887 1 147 67 147 67 18369 72918 11636 ... 70177 45216 47152 000 000	CW	(AB/RL/ES)
M12	5832	8-2	2200	Sat	887 887 887 1 147 67 147 67 18369 72918 11636 ... 70177 45216 47152 000 000	CW	(AB/RL)
M12	6832	8-2	2220	Sat	887 887 887 1 147 67 147 67 18369 72918 11636 ... 70177 45216 47152 000 000	CW	(AB/RL)
M12	7732	8-2	2240	Sat	887 887 887 1 147 67 147 67 18369 72918 11636 ... 70177 45216 47152 000 000	CW	(AB/RL)
M12	11464	9-2	0110	Sun	441 441 441 000	CW	(RL)
M12	10464	9-2	0130	Sun	441 441 441 000	CW	(RL)
M12	7546	9-2	0600	Sun	516 516 516 000	CW	(AB/ES)
M12	9146	9-2	0620	Sun	516 516 516 000	CW	(AB/F5JBR/ES)
M12	17415	9-2	0800	Sun	427 427 427 000	CW	(AB/ES)
M12	18215	9-2	0820	Sun	427 427 427 000	CW	(AB/ES)
M12	13362	10-2	1400	Mon	353 353 353 1 464 120 464 120 16915 13307 53150 ... 95707 24361 50463 000 000	CW	(AB/ES)
M12	11562	10-2	1420	Mon	353 353 353 1 464 120 464 120 16915 13307 53150 ... 95707 24361 50463 000 000	CW	(AB/ES)
M12	10362	10-2	1440	Mon	353 353 353 1 464 120 464 120 16915 13307 53150 ... 95707 24361 50463 000 000	CW	(AB/ES)
M12	6937	10-2	2210	Mon	975 975 975 1 509 75 509 75 72286 82124 25504 ... 51091 33487 64681 000 000	CW	(AB/ES)

M12	5737	10-2	2230	Mon	975 975 975 1 509 75 509 75 72286 82124 25504 ... 51091 33487 64681 000 000	CW	(AB/ES)
M12	4537	10-2	2250	Mon	975 975 975 1 509 75 509 75 72286 82124 25504 ... 51091 33487 64681 000 000	CW	(AB/ES)
M12	5734	11-2	0030	Tue	786 1 334 77 05601 69499 63483 25953 000 000	CW	(ES)
M12	6834	11-2	0050	Tue	786 1 334 77 05601 69499 63483 25953 000 000	CW	(ES)
M12	7634	11-2	0110	Tue	786 1 334 77 05601 69499 63483 25953 000 000	CW	(ES)
M12	9317	11-2	0530	Tue	135 135 135 1 1311 104 1311 104 45283 78149 27135 ... 61697 56822 96981 000 000	CW	(AB)
M12	10484	11-2	0550	Tue	135 135 135 1 1311 104 1311 104 45283 78149 27135 ... 61697 56822 96981 000 000	CW	(AB)
M12	7546	11-2	0600	Tue	516 516 516 1 381 131 381 131 45226 17677 59968 ... 71487 47109 85672 000 000	CW	(AB/ES)
M12	11552	11-2	0610	Tue	135 135 135 1 1311 104 1311 104 45283 78149 27135 ... 61697 56822 96981 000 000	CW	(AB/ES)
M12	9146	11-2	0620	Tue	516 516 516 1 381 131 381 131 45226 17677 59968 ... 71487 47109 85672 000 000	CW	(AB/ES)
M12	10646	11-2	0640	Tue	516 516 516 1 381 131 381 131 45226 17677 59968 ... 71487 47109 85672 000 000	CW	(AB/ES)
M12	17415	12-2	0800	Wed	427 427 427 1 5761 93 5761 93 60163 66962 15048 ... 37289 29502 81069 000 000	CW	(AB/ES)
M12	18215	12-2	0820	Wed	427 427 427 1 5761 93 5761 93 60163 66962 15048 ... 37289 29502 81069 000 000	CW	(AB/ES)
M12	18715	12-2	0840	Wed	427 427 427 1 5761 93 5761 93 60163 66962 15048 ... 37289 29502 81069 000 000	CW	(AB/ES)
M12	14489	12-2	1310	Wed	441 441 441 1 149 20 149 20 59817 45962 83837 ... 32200 65585 58375 000 000	CW	(AB/ES)
M12	13489	12-2	1330	Wed	441 441 441 1 149 20 149 20 59817 45962 83837 ... 32200 65585 58375 000 000	CW	(AB/ES)
M12	12189	12-2	1350	Wed	441 441 441 1 149 20 149 20 59817 45962 83837 ... 32200 65585 58375 000 000	CW	(AB/ES)
M12	13362	12-2	1400	Wed	353 353 353 1 464 120 464 120 26915 13307 53150 ... 95707 24361 50463 000 000	CW	(AB/ES)
M12	11562	12-2	1420	Wed	353 353 353 1 464 120 464 120 26915 13307 53150 ... 95707 24361 50463 000 000	CW	(AB/ES)
M12	10362	12-2	1440	Wed	353 353 353 1 464 120 464 120 26915 13307 53150 ... 95707 24361 50463 000 000	CW	(AB/ES)
M12	12162	12-2	1710	Wed	546 546 546 1 7066 107 7066 107 48162 64103 85324 ... 13487 96345 97605 000 000	CW	(AB-RUS/ES)
M12	11566	12-2	1730	Wed	546 546 546 1 7066 107 7066 107 48162 64103 85324 ... 13487 96345 97605 000 000	CW	(AB-RUS/ES)
M12	10711	12-2	1750	Wed	546 546 546 1 7066 107 7066 107 48162 64103 85324 ... 13487 96345 97605 000 000	CW	(AB-RUS/ES)
M12	6941	12-2	2050	Wed	986 986 986 000	CW	(AB/RL/ES)
M12	5841	12-2	2110	Wed	986 986 986 000	CW	(AB/RL/ES)
M12	10464	13-2	0030	Thu	441 441 441 1 2073 76 2073 76 46337 38589 23827 ... 95214 04628 54391 000 000	CW	(AB/RL/ES)
M12	9164	13-2	0050	Thu	441 441 441 1 2073 76 2073 76 46337 38589 23827 ... 95214 04628 54391 000 000	CW	(AB/RL/ES)
M12	11464	13-2	0110	Thu	441 441 441 1 2073 76 2073 76 46337 38589 23827 ... 95214 04628 54391 000 000	CW	(AB/RL/ES)
M12	14377	13-2	2000	Thu	317 317 317 1 972 44 9720 44 89239 77532 48349 ... 02588 67188 17872 000 000	CW	(AB-RUS/ES)
M12	13461	13-2	2020	Thu	317 317 317 1 972 44 9720 44 89239 77532 48349 ... 02588 67188 17872 000 000	CW	(AB-RUS/ES)
M12	12114	13-2	2040	Thu	317 317 317 1 972 44 9720 44 89239 77532 48349 ... 02588 67188 17872 000 000	CW	(AB-RUS/RL/ES)
M12	6937	13-2	2210	Thu	975 975 975 1 509 75 509 75 72286 82124 25504 ... 51091 33487 64681 000 000	CW	(AB)
M12	5737	13-2	2230	Thu	975 975 975 1 509 75 509 75 72286 82124 25504 ... 51091 33487 64681 000 000	CW	(AB/RL/ES)
M12	4537	13-2	2250	Thu	975 975 975 1 509 75 509 75 72286 82124 25504 ... 51091 33487 64681 000 000	CW	(AB)
M12	5734	14-2	0030	Fir	786 786 786 1 334 77 334 77 05601 69499 74770 ... 65402 63483 25953 00 000	CW	(AB/ES)
M12	6834	14-2	0050	Fir	786 786 786 1 334 77 334 77 05601 69499 74770 ... 65402 63483 25953 00 000	CW	(AB)
M12	7634	14-2	0110	Fir	786 786 786 1 334 77 334 77 05601 69499 74770 ... 65402 63483 25953 00 000	CW	(AB)
M12	14489	14-2	1310	Fir	441 441 441 1 149 20 149 20 59817 45962 83837 ... 32200 65585 58375 000 000	CW	(AB)
M12	13489	14-2	1330	Fir	441 441 441 1 149 20 149 20 59817 45962 83837 ... 32200 65585 58375 000 000	CW	(AB)
M12	12189	14-2	1350	Fir	441 441 441 1 149 20 149 20 59817 45962 83837 ... 32200 65585 58375 000 000	CW	(AB)

M12	11435	14-2	1600	Fir	938 938 938 1 4563 62 4563 62 06080 66465 76292 ... 39352 21234 95198 000 000	CW	(AB-RUS/ES)
M12	10598	14-2	1620	Fir	938 938 938 1 4563 62 4563 62 06080 66465 76292 ... 39352 21234 95198 000 000	CW	(AB-RUS/ES)
M12	9327	14-2	1640	Fir	938 938 938 1 4563 62 4563 62 06080 66465 76292 ... 39352 21234 95198 000 000	CW	(AB-RUS/ES)
M12	6941	14-2	2050	Fir	986 986 986 000	CW	(AB/RL/ES)
M12	5841	14-2	2110	Fir	986 986 986 000	CW	(AB/RL/ES)
M12	5832	14-2	2200	Fir	887 887 887 000	CW	(AB/RL)
M12	6832	14-2	2220	Fir	887 887 887 000	CW	(AB/RL)
M12	5832	15-2	2200	Sat	887 887 887 000	CW	(AB/ES)
M12	6832	15-2	2220	Sat	887 887 887 000	CW	(AB/ES)
M12	10464	16-2	0030	Sun	441 441 441 1 2073 76 2073 76 46337 38589 23827 ... 95214 04628 54391 000 000	CW	(AB/ES)
M12	9164	16-2	0050	Sun	441 441 441 1 2073 76 2073 76 46337 38589 23827 ... 95214 04628 54391 000 000	CW	(AB/ES)
M12	11464	16-2	0110	Sun	441 441 441 1 2073 76 2073 76 46337 38589 23827 ... 95214 04628 54391 000 000	CW	(AB)
M12	7546	16-2	0600	Sun	516 516 516 1 381 131 381 131 45226 17677 59968 ... 71487 47109 85672 000 000	CW	(AB/ES)
M12	9146	16-2	0620	Sun	516 516 516 1 381 131 381 131 45226 17677 59968 ... 71487 47109 85672 000 000	CW	(AB/ES)
M12	10646	16-2	0640	Sun	516 516 516 1 381 131 381 131 45226 17677 59968 ... 71487 47109 85672 000 000	CW	(AB/ES)
M12	17415	16-2	0800	Sun	427 427 427 1 5761 93 5761 93 60163 66962 15048 ... 37289 29502 81069 000 000	CW	(AB/ES)
M12	18215	16-2	0820	Sun	427 427 427 1 5761 93 5761 93 60163 66962 15048 ... 37289 29502 81069 000 000	CW	(AB/ES)
M12	18715	16-2	0840	Sun	427 427 427 1 5761 93 5761 93 60163 66962 15048 ... 37289 29502 81069 000 000	CW	(AB/ES)
M12	13362	17-2	1400	Mon	353 353 353 1 464 120 464 120 16915 13307 53150 ... 95707 24361 50463 000 000	CW	(AB/MPJ/ES)
M12	11562	17-2	1420	Mon	353 353 353 1 464 120 464 120 16915 13307 53150 ... 95707 24361 50463 000 000	CW	(AB/MPJ)
M12	10362	17-2	1440	Mon	353 353 353 1 464 120 464 120 16915 13307 53150 ... 95707 24361 50463 000 000	CW	(AB/MPJ)
M12	6937	17-2	2210	Mon	975 975 975 000	CW	(AB/RL/ES)
M12	5737	17-2	2230	Mon	975 975 975 000	CW	(AB/RL/ES)
M12	5734	18-2	0030	Tue	786 786 786 000	CW	(AB/ES)
M12	6834	18-2	0050	Tue	786 786 786 000	CW	(AB/RL/ES)
M12	9317	18-2	0530	Tue	135 135 135 1 9563 109 9563 109 99825 63540 32726 ... 19866 05326 48593 000 000	CW	(AB/ES)
M12	10484	18-2	0550	Tue	135 135 135 1 9563 109 9563 109 99825 63540 32726 ... 19866 05326 48593 000 000	CW	(AB/ES)
M12	7546	18-2	0600	Tue	516 516 516 1 333 96 333 96 99093 97187 05005 ... 09950 00008 05647 000 000	CW	(AB/ES)
M12	9146	18-2	0620	Tue	516 516 516 1 333 96 333 96 99093 97187 05005 ... 09950 00008 05647 000 000	CW	(AB/ES)
M12	10646	18-2	0640	Tue	516 516 516 1 333 96 333 96 99093 97187 05005 ... 09950 00008 05647 000 000	CW	(AB/ES)
M12	17415	19-2	0800	Wed	427 427 427 000	CW	(AB/ES)
M12	18215	19-2	0820	Wed	427 427 427 000	CW	(AB/ES)
M12	14489	19-2	1310	Wed	441 441 441 1 149 20 149 20 59817 45962 83837 ... 32200 65585 58375 000 000	CW	(AB/ES)
M12	13489	19-2	1330	Wed	441 441 441 1 149 20 149 20 59817 45962 83837 ... 32200 65585 58375 000 000	CW	(AB/ES)
M12	12189	19-2	1350	Wed	441 441 441 1 149 20 149 20 59817 45962 83837 ... 32200 65585 58375 000 000	CW	(AB/ES)
M12	13362	19-2	1400	Wed	353 353 353 1 464 120 464 120 26915 13307 53150 ... 95707 24361 50463 000 000	CW	(AB)
M12	11562	19-2	1420	Wed	353 353 353 1 464 120 464 120 26915 13307 53150 ... 95707 24361 50463 000 000	CW	(AB)
M12	10362	19-2	1440	Wed	353 353 353 1 464 120 464 120 26915 13307 53150 ... 95707 24361 50463 000 000	CW	(AB)
M12	12162	19-2	1710	Wed	546 546 546 1 7149 110 7149 110 19402 15931 41487 ... 71249 82725 80972 000 000	CW	(AB-POL)
M12	11566	19-2	1730	Wed	546 546 546 1 7149 110 7149 110 19402 15931 41487 ... 71249 82725 80972 000 000	CW	(AB-POL)

M12	10711	19-2	1750	Wed	546 546 546 1 7149 110 7149 110 19402 15931 41487 ... 71249 82725 80972 000 000	CW	(AB-RUS)
M12	6941	19-2	2050	Wed	986 986 986 000	CW	(AB/RL)
M12	5841	19-2	2110	Wed	986 986 986 000	CW	(AB/RL)
M12	12162	20-2	1700	Thu	546 1 5948 105 51504 37720 96954 ... 94751 11519 58497 000 000	CW	(MPJ)
M12	11566	20-2	1720	Thu	546 1 5948 105 51504 37720 96954 ... 94751 11519 58497 000 000	CW	(MPJ)
M12	10711	20-2	1740	Thu	546 1 5948 105 51504 37720 96954 ... 94751 11519 58497 000 000	CW	(MPJ)
M12	14377	20-2	2000	Thu	317 317 317 1 7930 110 7930 110 88665 98561 97077 ... 67938 31087 44839 000 000	CW	(AB-RUS/ES)
M12	13461	20-2	2020	Thu	317 317 317 1 7930 110 7930 110 88665 98561 97077 ... 67938 31087 44839 000 000	CW	(AB-RUS)
M12	12114	20-2	2040	Thu	317 317 317 1 7930 110 7930 110 88665 98561 97077 ... 67938 31087 44839 000 000	CW	(AB-RUS)
M12	6937	20-2	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	20-2	2230	Thu	975 975 975 000	CW	(AB/ES)
M12	5734	21-2	0030	Fir	786 786 786 000	CW	(AB/ES)
M12	6834	21-2	0050	Fir	786 786 786 000	CW	(AB)
M12	14489	21-2	1310	Fir	441 441 441 1 149 20 149 20 59817 45962 83837 ... 32200 65585 58375 000 000	CW	(AB/MPJ)
M12	13489	21-2	1330	Fir	441 441 441 1 149 20 149 20 59817 45962 83837 ... 32200 65585 58375 000 000	CW	(AB/MPJ)
M12	12189	21-2	1350	Fir	441 441 441 1 149 20 149 20 59817 45962 83837 ... 32200 65585 58375 000 000	CW	(AB/MPJ)
M12	11435	21-2	1600	Fir	938 938 938 1 5341 76 5341 76 73381 91945 60701 ... 87799 59020 92849 000 000	CW	(AB-RUS/ES)
M12	10598	21-2	1620	Fir	938 938 938 1 5341 76 5341 76 73381 91945 60701 ... 87799 59020 92849 000 000	CW	(AB-RUS/ES)
M12	9327	21-2	1640	Fir	938 938 938 1 5341 76 5341 76 73381 91945 60701 ... 87799 59020 92849 000 000	CW	(AB-RUS/ES)
M12	6941	21-2	2050	Fir	986 986 986 000	CW	(AB/RL)
M12	5841	21-2	2110	Fir	986 986 986 000	CW	(AB/RL/ES)
M12	5832	21-2	2200	Fir	887 887 887 000	CW	(AB/RL/ES)
M12	6832	21-2	2220	Fir	887 887 887 000	CW	(AB/RL/ES)
M12	5832	22-2	2200	Sat	887 887 887 000	CW	(AB/RL)
M12	6832	22-2	2220	Sat	887 887 887 000	CW	(AB/RL)
M12	7546	23-2	0600	Sun	516 516 516 1 333 96 333 96 99093 97187 05005 ... 09950 00008 05647 000 000	CW	(AB/ES)
M12	9146	23-2	0620	Sun	516 516 516 1 333 96 333 96 99093 97187 05005 ... 09950 00008 05647 000 000	CW	(AB/ES)
M12	10646	23-2	0640	Sun	516 516 516 1 333 96 333 96 99093 97187 05005 ... 09950 00008 05647 000 000	CW	(AB/ES)
M12	17415	23-2	0800	Sun	427 427 427 000	CW	(AB/ES)
M12	18215	23-2	0820	Sun	427 427 427 000	CW	(AB/ES)
M12	13362	24-2	1400	Mon	353 353 353 000	CW	(AB)
M12	11562	24-2	1420	Mon	353 353 353 000	CW	(AB)
M12	6937	24-2	2210	Mon	975 975 975 000	CW	(AB)
M12	5737	24-2	2230	Mon	975 975 975 000	CW	(AB)
M12	5734	25-2	0030	Tue	786 786 786 000	CW	(AB)
M12	6834	25-2	0050	Tue	786 786 786 000	CW	(AB/RL)
M12	9317	25-2	0530	Tue	135 135 135 1 2886 107 2886 107 42267 65503 47957 ... 55291 32404 19322 000 000	CW	(AB)
M12	10484	25-2	0550	Tue	135 135 135 1 2886 107 2886 107 42267 65503 47957 ... 55291 32404 19322 000 000	CW	(AB)
M12	7546	25-2	0600	Tue	516 516 516 1 239 123 239 123 51727 20871 26581 ... 22147 08582 83852 000 000	CW	(AB)
M12	11552	25-2	0610	Tue	135 135 135 1 2886 107 2886 107 42267 65503 47957 ... 55291 32404 19322 000 000	CW	(AB)

M12	9146	25-2	0620	Tue	516 516 516 1 239 123 239 123 51727 20871 26581 ... 22147 08582 83852 000 000	CW	(AB)
M12	10646	25-2	0640	Tue	516 516 516 1 239 123 239 123 51727 20871 26581 ... 22147 08582 83852 000 000	CW	(AB)
M12	17415	26-2	0800	Wed	427 427 427 000	CW	(AB)
M12	18215	26-2	0820	Wed	427 427 427 000	CW	(AB)
M12	14489	26-2	1310	Wed	441 441 441 000	CW	(AB)
M12	13489	26-2	1330	Wed	441 441 441 000	CW	(AB)
M12	13362	26-2	1400	Wed	353 353 353 000	CW	(AB)
M12	11562	26-2	1420	Wed	353 353 353 000	CW	(AB)
M12	12162	26-2	1710	Wed	546 546 546 1 8911 104 8911 104 85346 05916 28011 ... 17098 45721 79829 000 000	CW	(AB-RUS/MPJ)
M12	11566	26-2	1730	Wed	546 546 546 1 8911 104 8911 104 85346 05916 28011 ... 17098 45721 79829 000 000	CW	(AB-RUS/MPJ)
M12	10711	26-2	1750	Wed	546 546 546 1 8911 104 8911 104 85346 05916 28011 ... 17098 45721 79829 000 000	CW	(AB-RUS/MPJ)
M12	11435	26-2	1810	Wed	938 938 938 1 4113 73 4113 73 57928 25466 90012 ... 13255 82631 64210 000 000	CW	(AB/MPJ)
M12	10598	26-2	1830	Wed	938 938 938 1 4113 73 4113 73 57928 25466 90012 ... 13255 82631 64210 000 000	CW	(AB/MPJ)
M12	9327	26-2	1850	Wed	938 938 938 1 4113 73 4113 73 57928 25466 90012 ... 13255 82631 64210 000 000	CW	(AB/MPJ)
M12	6941	26-2	2050	Wed	986 986 986 000	CW	(AB)
M12	5841	26-2	2110	Wed	986 986 986 000	CW	(AB/RL)
M12	6937	27-2	2210	Thu	975 975 975 000	CW	(AB)
M12	5737	27-2	2230	Thu	975 975 975 000	CW	(AB)
M12	5734	28-2	0030	Fir	786 786 786 000	CW	(AB)
M12	6834	28-2	0050	Fir	786 786 786 000	CW	(AB)
M12	14489	28-2	1310	Fir	441 441 441 000	CW	(AB/MPJ)
M12	13489	28-2	1330	Fir	441 441 441 000	CW	(AB/MPJ)
M12	11435	28-2	1600	Fir	938 1 7776 77 68395 66613 27229 ... 55271 93160 79099 000 000	CW	(MPJ)
M12	10598	28-2	1620	Fir	938 1 7776 77 68395 66613 27229 ... 55271 93160 79099 000 000	CW	(MPJ)
M12	9327	28-2	1640	Fir	938 1 7776 77 68395 66613 27229 ... 55271 93160 79099 000 000	CW	(MPJ)
M12	6941	28-2	2050	Fir	986 986 986 000	CW	(AB)
M12	5841	28-2	2110	Fir	986 986 986 000	CW	(AB)
M12	5832	28-2	2200	Fir	887 887 887 1 6910 112 6910 112 02337 28765 48205 69844 78214 ... 08967 25034 12922 77214 62569 000 000	CW	(AB/RL)
M12	6832	28-2	2220	Fir	887 887 887 1 6910 112 6910 112 02337 28765 48205 69844 78214 ... 08967 25034 12922 77214 62569 000 000	CW	(AB)
M12	7732	28-2	2240	Fir	887 887 887 1 6910 112 6910 112 02337 28765 48205 69844 78214 ... 08967 25034 12922 77214 62569 000 000	CW	(AB)
M12	5832	29-2	2200	Sat	887 887 887 1 6910 112 6910 112 02337 28765 48205 69844 78214 ... 08967 25034 12922 77214 62569 000 000	CW	(AB)
M14	4730	1-2	0800	Sat	523 501 501 33 33 = = 02031 52341 96405 ... 64213 48609 50560 = = 501 501 33 33 00000	MCW	(AB-POL)
M14	4650	1-2	0900	Sat	523 501 501 33 33 = = 02031 52341 96405 ... 64213 48609 50560 = = 501 501 33 33 00000	MCW	(AB-POL)
M14	4730	8-2	0800	Sat	523 501 501 33 33 = = 02031 52341 96405 ... 64213 48605 (48609) 50560 = = 501 501 33 33 00000	MCW	(AB-RUS)
M14	4650	8-2	0900	Sat	523 501 501 33 33 = = 02031 52341 96405 ... 64213 48605 (48609) 50560 = = 501 501 33 33 00000	MCW	(AB-RUS)
M14	17458	10-2	0930	Mon	617 534 534 128 128 = = 47082 99747 88551 ... 64064 49169 14439 = = 534 534 128 128 00000	CW	(AB/Gwr/ES)

M14	15994	11-2	0930	Tue	617 534 128 = 47082 99747 49169 14439 = 534 128 0 0 0 0 0] 0957 Good, QSB2. CW E.SMITH TUE.	CW	(ES)
M14	4636	11-2	1820	Tue	186 235 235 33 33 == 75683 65412 89032 ... 69743 78965 87654 == 235 235 33 33 00000	MCW	(AB)
M14	4761	12-2	1920	Wed	186 235 235 33 33 == 75683 65412 89032 ... 69743 78965 87654 == 235 235 33 33 00000	MCW	(AB)
M14	4730	15-2	0800	Sat	523 235 235 33 33 == 75683 65412 89032 ... 69743 78965 87654 == 235 235 33 33 00000	MCW	(AB-RUS)
M14	4650	15-2	0900	Sat	523 235 235 33 33 == 75683 65412 89032 ... 69743 78965 87654 == 235 235 33 33 00000	MCW	(AB-RUS)
M14	4893	16-2	2300	Sun	617 235 235 33 33 == 75683 65412 89032 ... 69743 78965 87654 == 235 235 33 33 00000	CW	(AB)
M14	4760	17-2	0000	Mon	617 235 235 33 33 == 75683 65412 89032 ... 69743 78965 87654 == 235 235 33 33 00000	CW	(AB)
M14	4730	22-2	0800	Sat	523 421 421 33 33 == 75683 65412 89032 ... 69743 78965 87654 == 421 421 33 33 00000	MCW	(AB-RUS)
M14	4650	22-2	0900	Sat	523 421 421 33 33 == 75683 65412 89032 ... 69743 78965 87654 == 421 421 33 33 00000	MCW	(AB-RUS)
M14	17458	25-2	0930	Tue	617 534 534 128 128 = = 47082 99747 88551 ... 64064 49169 14439 = = 534 534 128 128 00000	CW	(AB-KWT/ES)
M14	4626	25-2	1820	Tue	186 991 991 32 32 = = 12381 99102 44810 ... 89881 90931 22890 991 991 32 32 = = 00000	MCW	(AB)
M14	15994	26-2	0930	Wed	617 534 128 = 47082 99747 49169 14439 = 534 128 0 0 0 0 0	CW	(ES)
M14	4761	26-2	1920	Wed	748 991 991 32 32 = = 12381 99102 44810 ... 89881 90931 22890 991 991 32 32 = = 00000	MCW	(AB/MPJ)
M14	4730	29-2	0800	Sat	523 421 421 33 33 == 75683 65412 89032 ... 69743 78965 87654 == 421 421 33 33 00000	MCW	(AB-FIN)
M14	4650	29-2	0900	Sat	523 421 421 33 33 == 75683 65412 89032 ... 69743 78965 87654 == 421 421 33 33 00000	MCW	(AB-FIN)
M21	5860.5	1-2	0556	Sat	=990859??0????? =990900??0????? =990901??0?????	CW	(F5JBR)
M21	4951.5	3-2	1756	Mon	=22100701100836 =992101??0????? =992102??0?????	CW	(F5JBR)
M21	5860.5	4-2	0614	Tue	=990918??0?????	CW	(WP3)
M21	7949.5	4-2	0710	Tue	=99?1010?9????? =99?1011?9????? =99?1012?9?????	CW	(F5JBR)
M21	5980.5	10-2	0946	Mon	=991246??8????? =11777942826746 =991247??8????? =11777942837547 =991248??8?????	CW	(F5JBR)
M21	4221	12-2	0517	Wed	=27324801100630 =27324901100630 =990822??0?????	CW	(F5JBR)
M21	3322	15-2	1928	Sat	=992232??0????? =992233??0????? =992234??0?????	CW	(F5JBR)
M22	6607	9-2	0700	Sun	Traffic list followed by messages VVV DE 4XZ 4XZ = = BF4X NR 202 WP GR 91 = = PB2E NR 102 DE GR 81 = = etc on 2680//4331//6607 kHz	CW	(AB-GRC)
M22	2680	9-2	0700	Sun	Traffic list followed by messages VVV DE 4XZ 4XZ = = BF4X NR 202 WP GR 91 = = PB2E NR 102 DE GR 81 = = etc on 2680//4331//6607 kHz	CW	(AB-GRC)
M22	4331	9-2	0700	Sun	Traffic list followed by messages VVV DE 4XZ 4XZ = = BF4X NR 202 WP GR 91 = = PB2E NR 102 DE GR 81 = = etc on 2680//4331//6607 kHz	CW	(AB-GRC)
M23	5345	10-2	1632	Mon	i.p. 111 (R)	CW	(JPL-RUS)
M23	5345	11-2	1630	Tue	111 (R10)	CW	(AB)
M23	5345	12-2	1630	Wed	111 (R10)	CW	(AB)
M23	5345	13-2	1630	Thu	111 (R10)	CW	(AB)
M23	5345	14-2	1630	Fir	111 (R10)	CW	(AB)
M23	5345	15-2	1630	Sat	111 (R10)	CW	(AB)
M23	5345	16-2	1630	Sun	111 (R10)	CW	(AB)
M23	5345	17-2	1630	Mon	111 (R10)	CW	(AB)
M23	5345	18-2	1630	Tue	111 (R10)	CW	(AB)
M23	5345	19-2	1630	Wed	111 (R10)	CW	(AB)
M23	5345	20-2	1630	Thu	111 (R10)	CW	(AB)
M23	5345	21-2	1630	Fir	111 (R10)	CW	(AB)

M23	5345	22-2	1630	Sat	111 (R10)	CW	(AB)
M23	5345	23-2	1630	Sun	111 (R10)	CW	(AB)
M23	5345	24-2	1630	Mon	111 (R10)	CW	(AB)
M23	5345	25-2	1630	Tue	111 (R10)	CW	(AB)
M23	5345	26-2	1635	Wed	111 (R10) late start	CW	(AB)
M23	5345	27-2	1635	Thu	111 (R10)	CW	(AB)
M23	5345	28-2	1640	Fir	111 (R10)	CW	(AB)
M32	5066	2-2	1052	Sun	XXX XXX ONG4 ONG4 18565 WYHUHOL' 3110 3340 K //5373 kHz	CW	(GWr)
M32	5373	2-2	1052	Sun	XXX XXX ONG4 ONG4 18565 WYHUHOL' 3110 3340 K //5066 kHz	CW	(GWr)
M32	5386	2-2	1053	Sun	XXX XXX WEGI WEGI 09595 SAMOOTWOD 5734 5928 VLagalishchNYJ 8550 9829 PULOZhOM 1827 8440 K	CW	(GWr)
M32	5386	2-2	1057	Sun	XXX XXX G5CX G5CX 27150 UZOROTRAP 8142 3473 K	CW	(GWr)
M32	5361	2-2	1110	Sun	XXX XXX ZhZFY ZhZFY 82196 GETMANSKIJ 0807 7688 K	CW	(GWr)
M32	7523	4-2	0652	Tue	XXX XXX LR43 LR43 TEHNIIESKA– PROWERKA 592 K	CW	(WP3)
M32	7969	5-2	0843	Wed	XXX C1OB 51863 UZKOLISTNYJ 3224 6784 BROMOChTOK 3255 2402 FANTOSUK 3324 1694 SANOMAG 5048 1439 K on 7969//7922//7859 kHz	CW	(F5JBR)
M32	7922	5-2	0843	Wed	XXX C1OB 51863 UZKOLISTNYJ 3224 6784 BROMOChTOK 3255 2402 FANTOSUK 3324 1694 SANOMAG 5048 1439 K on 7969//7922//7859 kHz	CW	(F5JBR)
M32	7859	5-2	0843	Wed	XXX C1OB 51863 UZKOLISTNYJ 3224 6784 BROMOChTOK 3255 2402 FANTOSUK 3324 1694 SANOMAG 5048 1439 K on 7969//7922//7859 kHz	CW	(F5JBR)
M32	7969	5-2	0848	Wed	XXXX C1OB 29919 UGONOWOR 0934 4392 K on 7969//7922//7859 kHz	CW	(F5JBR)
M32	7922	5-2	0848	Wed	XXXX C1OB 29919 UGONOWOR 0934 4392 K on 7969//7922//7859 kHz	CW	(F5JBR)
M32	7859	5-2	0848	Wed	XXXX C1OB 29919 UGONOWOR 0934 4392 K on 7969//7922//7859 kHz	CW	(F5JBR)
M32	6386	5-2	0948	Wed	XXX WEGI 14789 OHRANNICA 7174 6917 ROZYSKNOJ 9155 3745 K	CW	(F5JBR)
M32	4582	5-2	0950	Wed	XXX ANWF 26859 ANEKDOTEC 8438 1978 K	CW	(F5JBR)
M32	5838	5-2	0952	Wed	XXX VD9B 94752 TREPANIE 7969 4211 K	CW	(F5JBR)
M32	5387	5-2	0959	Wed	XXX N1DX F2ET 72045 23139 MERZAWÍK 7344 4356 SBRUJNYJ 3817 1769 K //5759 kHz	CW	(F5JBR)
M32	5759	5-2	0959	Wed	XXX N1DX F2ET 72045 23139 MERZAWÍK 7344 4356 SBRUJNYJ 3817 1769 K //5387 kHz	CW	(F5JBR)
M32	5894	5-2	1006	Wed	XXX TRHD 36652 AMALONAH 03485 KONOFUT 2966 8835 K	CW	(F5JBR)
M32	8191	5-2	1008	Wed	XXX TRHD 09494 GNUSOGRIB 5366 8015 K	CW	(F5JBR)
M32	8191	5-2	1011	Wed	XXX TRHD 06578 KARIOGNYJ 4695 0367 K	CW	(F5JBR)
M32	7678	5-2	1013	Wed	XXX XXX MFT5 MFT5 62843 KBITOKLEW 3817 3064	CW	(JU)
M32	7678	5-2	1016	Wed	XXX XXX MFT5 MFT5 43264 POSOKRAB 1971 3112	CW	(JU)
M32	8191	5-2	1016	Wed	XXX TRHD 76392 ZILOPLOD 7129 8559 K	CW	(F5JBR)
M32	7678	5-2	1016	Wed	XXX XXX MFT5 MFT5 10897 PESEC 1763 3864	CW	(JU)
M32	8543	5-2	1018	Wed	XXX 9RPN 10045 BLOKGAUZ 3039 5107 GROCh 5257 5874 K	CW	(F5JBR)
M32	7931	5-2	1115	Wed	XXX WEGI ...	CW	(EW)
M32	7679	5-2	1247	Wed	XXX XXX WLHN WLHN 78923 09085 78543 35871 FOKOBOBR 4054 3840	CW	(JU)
M32	7678	5-2	1259	Wed	73470 Z–TX 0350 9136	CW	(JU)
M32	7678	5-2	1348	Wed	XXX XXX MFT5 MFT5 99888 GOLOTURI– 5399 6748	CW	(JU)

M32	3366	5-2	1709	Wed	XXX 9RPN 11235 STREKOTANXE 78806240 K	CW	(F5JBR)
M32	7678	6-2	0956	Thu	XXX XXX MFT5 MFT5 59742 PAUKOSTAN 7586 7589	CW	(JU)
M32	7678	6-2	0957	Thu	XXX XXX MFT5 MFT5 13801 WODOSYSK 7598 7311	CW	(JU)
M32	7679	6-2	1035	Thu	XXX XXX WEGI WEGI 53382 ORSKIJ 5682 8997	CW	(JU)
M32	10933	6-2	1035	Thu	XXX XXX WEGI WEGI 53382 ORSKIJ 5682 8997	CW	(JU)
M32	7678	6-2	1044	Thu	XXX XXX BNS1 BNS1 7UGL 7UGL 72683 53121 OREHOSTAV 0319 1476	CW	(JU)
M32	7678	6-2	1046	Thu	XXX XXX MFT5 MFT5 64993 RIFOLOK 2173 6990	CW	(JU)
M32	10933	6-2	1053	Thu	XXX XXX 1QRF 1QRF 28648 KWASOLESS 7791 3422	CW	(JU)
M32	7679	6-2	1055	Thu	XXX XXX G5CX G5CX 37150 UZOROTRAP 8142 3463	CW	(JU)
M32	11155	6-2	1122	Thu	XXX XXX 4B96 4B96 02714 SADVOMELTR 3110 3340 K	CW	(Gwr)
M32	5395	6-2	1142	Thu	XXX XXX MRMK MRMK 19974 MYuONOKIL 3110 3340 K	CW	(Gwr)
M32	5395	6-2	1151	Thu	XXX XXX PPAM PPAM MRMK MRMK 35287 BOSYaChKA 5734 5928 K	CW	(Gwr)
M32	5395	6-2	1154	Thu	XXX XXX PPAM PPAM MRMK MRMK 41086 KRATNYJ 6449 2083 K	CW	(Gwr)
M32	5386	13-2	0945	Thu	XXX XXX WEGI WEGI 68484 TITROBROM 7481 7162 K	CW	(Gwr)
M32	5386	20-2	1035	Thu	XXX XXX WEGI WEGI 54398 OTRAWNYJ 8574 9608 K	CW	(Gwr)
M32	5395	20-2	1047	Thu	XXX XXX OYMM OYMM SAIW SAIW 30718 TODERNISK 0711 0405 K	CW	(Gwr)
M32	5177	26-2	1124	Wed	XXX XXX T4NK T4NK 37570 MENZUL'NYJ 8163 3867 K (S30 morse equivalent)	CW	(Gwr)
M32	5377	26-2	1139	Wed	XXX XXX RADJ RADJ TEHNICHESKAYa PROWEKA K	CW	(Gwr)
M32	5373	28-2	1306	Fir	XXX XXX ONG4 ONG4 42383 MEhTROSVAT 2464 5583 K	CW	(Gwr)
M32a	14411	5-2	0953	Wed	RDL: XXX XXX WEGI WEGI 42612 20406 STIHOGLAS 2014 1441	CW	(JU)
M32a	14411	5-2	0957	Wed	RDL: 71872 14789 OHRANNICA 7174 6917 ROZYSKNOJ 9155 3745	CW	(JU)
M32a	8018.5	5-2	1030	Wed	Russian navy Vladivostok RFY7 RFY7 DE RJF	CW	(EW)
M32a	14411	6-2	0857	Thu	RDL: XXX XXX RDL RDL 06866 23642 RODNIK 5969 0627	CW	(JU)
M32a	14411	6-2	1047	Thu	RDL: XXX XXX WEGI WEGI 56761 53382 ORSKIJ 5682 8997	CW	(JU)
M32a	14411	6-2	1110	Thu	RDL: XXX XXX WEGI WEGI 71404 09595 SAMOOTWOD 5734 5928 WLAGALIQNYJ 8550 9829 PULOVOM 1827 8440	CW	(JU)
M32a	14411	6-2	1114	Thu	RDL: XXX XXX RDL RDL 19336 03393 FANFARA 0458 5592	CW	(JU)
M32a	14411	6-2	1117	Thu	RDL: XXX XXX RDL RDL 29002 04046 LVECOBOEW 2500 8925	CW	(JU)
M32a	14411	6-2	1126	Thu	RDL: XXX XXX RDL RDL 88135 72140 M-ÍORYK 5734 5928	CW	(JU)
M32a	9311	9-2	0805	Sun	RBL88: XXX TEHNIÍESKA– PROWERKA 592 K	CW	(F5JBR)
M32a	18.1	13-2	1105	Thu	KZJT KZJT 85971 37316 120 = 11111 81591 56033 ... 35461 47566 13030 = K	FSK C	(AB-S)
M32a	18.1	19-2	1705	Wed	XXX XXX RDL RDL 92148 69018 SONMOFRA 2518 0663 K	FSK CW	(AB)
M32a	18.1	19-2	1705	Wed	XXX XXX WEGI WEGI 60069 PRAMIZNA 1336 0668 K	FSK CW	(AB)
M32a	21	19-2	1713	Wed	i.p. 7080 90927 GAMOKADR 7646 8489 K	FSK CW	(AB)
M32a	18.1	20-2	1309	Thu	UUU RDL RDL RDL 00195 35581 00195 35581 00195 35581 K	FSK CW	(AB)
M32a	18.1	20-2	1512	Thu	UUU RDL RDL RDL 98811 57085 98811 57085 98811 57085 K	FSK CW	(AB)
M41	7141	3-2	1100	Mon	517051160589856100 6500019095051700 18005111701 5VCK =72219496004182844128711201707	CW	(F5JBR)
M41	4102.5	5-2	1732	Wed	Russian Air Defense 7221949623688805523752320 33 722194762468468 331287220 33	CW	(F5JBR)
M41	6784.5	12-2	0542	Wed	Russian Air Defense 4RVU 4RVU AR VVV VVV VVV VVV 4RVU 4RVU AR	CW	(F5JBR)

M42	14578	18-2	1245	Tue	Russian diplo.	Serdolik wave-forms	(AB)
M42	14682	18-2	1245	Tue	Russian diplo.	Serdolik wave-forms	(AB)
M42	14630	18-2	1245	Tue	Russian diplo.	Serdolik wave-forms	(AB)
M42	12184	21-2	1030	Fir	Russian diplo.	Serdolik	(AB)
M42	11562	25-2	0742	Tue	Russian diplo i.p.	Serdolik wave-forms	(AB)
M42b	6925	1-2	0644	Sat	PRAT wkg LKDW	CW+FSK 50/500	(F5JBR)
M42b	6925	1-2	0644	Sat	PRAT wkg LKDW. Opchat in CW and messages in FSK 50/500	CW+FSK 50/500	(F5JBR)
M42b	4829	1-2	0828	Sat	ZGFU Wkg BOPK	CW+FSK 50/500	(F5JBR)
M42b	5285	5-2	0956	Wed	WYGL wkg DJRG. Opchat in CW and messages in FSK 50/500	CW+FSK 50/500	(F5JBR)
M42b	3210	5-2	1809	Wed	IBUP wkg CAGR. Opchat in CW. Messages in FSK 50/500	CW + FKS 50/500	(F5JBR)
M51b	6825	4-2	1449	Tue	Non-stop 5-character groups composed of M51a messages.	CW	(AB)
M89	8157	1-2	0802	Sat	M8JF de RIS9 V	CW	(F5JBR-S)
M89	7653	1-2	1915	Sat	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	4131	1-2	1916	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4870	1-2	1917	Sat	V M8JF (x3) DE RIS9 (x2) // 3238	CW	(JPL)
M89	3238	1-2	1918	Sat	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	2984	1-2	1919	Sat	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	4131	1-2	1919	Sat	JKDJ de SLBC V	CW	(F5JBR-S)
M89	6840	1-2	1920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860	CW	(JPL)
M89	4860	1-2	1920	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840	CW	(JPL)
M89	3842	1-2	1934	Sat	V 8FBH (x3) DE 5J9K (x2)	CW	(JPL)
M89	7653	2-2	0154	Sun	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	6874	2-2	0157	Sun	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	2-2	0157	Sun	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	5858	2-2	0207	Sun	V 8FBH (x3) DE 5J9K (x2)	CW	(JPL)
M89	8157	2-2	0741	Sun	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	6874	2-2	0741	Sun	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	7653	2-2	0743	Sun	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	5246	2-2	0756	Sun	i.p. UD4D 7377 65N4 UNTN ...	CW	(JPL)
M89	5212	2-2	0758	Sun	i.p. 3AUT 5D34 63ND 4T76 ...	CW	(JPL)
M89	5858	2-2	0808	Sun	V 8FBH (x3) DE 5J9K (x2) //10563	CW	(JPL)
M89	10563	2-2	0808	Sun	V 8FBH (x3) DE 5J9K (x2) //5858	CW	(JPL)
M89	5246	2-2	0819	Sun	i.p. 6ATA A763 33DD DDAA A7U5 3467 ...	CW	(JPL)
M89	6123	2-2	0828	Sun	i.p. R IEC = 9140 AR K R HR R HR WK NR 104 K	CW	(JPL)
M89	4841	2-2	0853	Sun	i.p. AS AS R QSA 3 QSA ? K R IEC = 3560 AR K (Exercise associated) R HR WK NR 110 110 K	CW	(JPL)

M89	4131	2-2	1257	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4870	2-2	1259	Sun	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3238	2-2	1259	Sun	i.p. R QSL 0150 K. R HR WK NR 00140 K. R HR WK NR 08020 K. (M8JF DE RIS9 weak in background)	CW	(JPL)
M89	3238	2-2	1259	Sun	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	7653	2-2	1301	Sun	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	4898	2-2	1305	Sun	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	3842	2-2	1307	Sun	V 8FBH (x3) DE 5J9K (x2)	CW	(JPL)
M89	4135	2-2	1330	Sun	V 3D1U (x3) DE G25H (x2) //3842 sending different round slip	CW	(JPL)
M89	3842	2-2	1330	Sun	V 8FBH (x3) DE 5J9K (x2) //4135 sending different round slip	CW	(JPL)
M89	5123	2-2	1342	Sun	i.p. 735T NU47 64A5 3NA6 ...	CW	(JPL)
M89	5467	2-2	1344	Sun	i.p. 464N U576 433A NDA6 673T TUA4 ...	CW	(JPL)
M89	5844	2-2	1349	Sun	i.p. AR K R OK R HR WK NR 0430 K R SK SK	CW	(JPL)
M89	3110	2-2	1400	Sun	i.p. DAU4 ATA5 7TU5 3A7A ...	CW	(JPL)
M89	3358	2-2	1403	Sun	i.p. R HR MSG NR 040 CK 54 32 0202 2200 RMKS 8847 TO 8845 K	CW	(JPL)
M89	5398	2-2	1416	Sun	i.p. 346A 4767 3NUT D43A ...	CW	(JPL)
M89	3358	2-2	1421	Sun	i.p. HR WK NR 6530 6530 K. R NIL SK GB (Other station also on this frequency) GB	CW	(JPL)
M89	4535	2-2	1428	Sun	i.p. FF NR .../EX RMKS 8997 TO 6652 = 65 FF NR 079/EX 222. RMKS 8997 TO 6652 =	CW	(JPL)
M89	5566	2-2	1442	Sun	i.p. R QSL 1DU QSL 1820 K	CW	(JPL)
M89	3380	2-2	2143	Sun	i.p. 0542 RMKS 6652 TO 5152/QTC 8/1450 A K R QSL 0546 K (Both stations on this frequency)	CW	(JPL)
M89	3164	2-2	2207	Sun	i.p. 6AN4 T3A7 4A47 5T36 AD6T ...	CW	(JPL)
M89	8157	3-2	0900	Mon	v m8jf m8jf m8jf de ris9 ris9	CW	(RL)
M89	4131	3-2	1319	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4870	3-2	1321	Mon	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3238	3-2	1321	Mon	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	2984	3-2	1328	Mon	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	4120	3-2	1330	Mon	i.p. UNAT 4A56 D5A7 D65U (2nd M89 weak station in background sending tfc)	CW	(JPL)
M89	3842	3-2	1338	Mon	V 8FBH (x3) DE 5J9K (x2) ...	CW	(JPL)
M89	3618	3-2	1344	Mon	i.p. D5DA A3DT 67.A 67TD 35T5 ...	CW	(JPL)
M89	5555	3-2	1359	Mon	i.p. 737N 4U4U ...	CW	(JPL)
M89	3867	3-2	1400	Mon	i.p. 5DA5 TNDT UNDN 5N63 63AA A4NU ...	CW	(JPL)
M89	2984	3-2	2013	Mon	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	3238	4-2	1034	Tue	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	4-2	1034	Tue	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	5858	4-2	1037	Tue	V 8FBH (x3) DE 5J9K (x2)	CW	(JPL)
M89	7653	4-2	1038	Tue	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	4870	5-2	1028	Wed	V M8JF M8JF DE RIS9	CW	(EW)
M89	4898	5-2	1833	Wed	QWS1 de 87DS V	CW	(F5JBR)
M89	6840	6-2	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	3850	6-2	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	6-2	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)

M89	5150	6-2	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4720	6-2	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	7653	6-2	1208	Thu	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	3842	6-2	1210	Thu	V 8FBH (x3) DE 5J9K (x2)	CW	(JPL)
M89	4898	6-2	1213	Thu	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	3533	6-2	1219	Thu	i.p. 6A46 D36D D536 7T4A ...	CW	(JPL)
M89	3654	6-2	1222	Thu	i.p. UAA5 A577 UTU3 UNTA ... AR K R RPT 13W 4D4D AR K R RPT 62W = 5TD3 AR K	CW	(JPL)
M89	3731	6-2	1226	Thu	i.p. R RPT 24W 27W K ..24W = = NA.7 N.U7 AR K R RPT 14W K (Cont'd asking for repeats)	CW	(JPL)
M89	3740	6-2	1231	Thu	i.p. USB KW IN H 5 USB WK K	CW	(JPL)
M89	4131	6-2	1241	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4870	6-2	1242	Thu	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3238	6-2	1242	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3885	6-2	1244	Thu	i.p. N3U5 DU35 AN54 U34U ...	CW	(JPL)
M89	3892	6-2	1246	Thu	i.p. DT57 N6U4 35U3 T33T TTTT 574D 3T6N ...	CW	(JPL)
M89	3567	6-2	1249	Thu	(i.p. 7D56 6N65 T5D7 5U63 ...	CW	(JPL)
M89	2984	6-2	1254	Thu	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	3842	6-2	1257	Thu	V 8FBH (x3) DE 5J9K (x2) VV MSG NR 024 CK 499 50 0206 2100 = 4U7T 5U56 UD3D AN4A 757D 7AT6 AD5T 6AN7 TTT73 TTTU (Cont'd) //4135	CW	(JPL)
M89	4135	6-2	1257	Thu	V 8FBH (x3) DE 5J9K (x2)	CW	(JPL)
M89	3332	6-2	1922	Thu	i.p. FF NR 6409/EX 0311 = X3Y/Z AR = X3Y/Z AR = X3Y/Z AR QSL 2324 QSY 18 1SY 18 ...	CW	(JPL)
M89	3522	7-2	1238	Fri	i.p. 7T6U 6U4A ...	CW	(JPL)
M89	3826	7-2	1242	Fri	i.p. UA74 D7ND 36A5 NAT6 74AT ...	CW	(JPL)
M89	3834	7-2	1242	Fri	i.p. OK K. HR MSG GA K. R GA K. HR NR 11.. CK 0207 .. 40 RMKSTO 1096 K. R GA K	CW	(JPL)
M89	3789	7-2	1248	Fri	i.p. 437A 4DAT U567 ...	CW	(JPL)
M89	4123	7-2	1251	Fri	i.p. D64D TNUN 6T63 6563 T334 ...	CW	(JPL)
M89	4131	7-2	1253	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3238	7-2	1255	Fri	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	7-2	1255	Fri	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	7653	7-2	1256	Fri	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	4135	7-2	1258	Fri	V 3D1U (x3) DE G25H (x2)//3842 sending different round slip and is faster	CW	(JPL)
M89	3842	7-2	1258	Fri	V 8FBH (x3) DE 5J9K (x2) //4135 sending different round slip and is slower	CW	(JPL)
M89	4585	7-2	1555	Fri	i.p. T346 4T33 6A75 ...	CW	(JPL)
M89	4405	7-2	1643	Fri	i.p. = 4NUA D6UD 4NUA D6UD AR K. R R RPT 67W = 7733 7733 AR = K. = 6TTN 6TTN K (Cont'd to repeat groups)	CW	(JPL)
M89	3663	7-2	1931	Fri	i.p. DE CZN6 K. R QSA 3 QSA ? K, R HR MSG GA K. R NR 0195 CK 111 42 0208 0330 RMKS 9229 TO 9256 K	CW	(JPL)
M89	3198	7-2	1931	Fri	i.p. R RPT 1P 1P 86W TO 89W K. R QSL 0332 K. SK	CW	(JPL)
M89	8157	8-2	0900	Sat	v mjf8 mjf8 mjf8 de ris9 ris9	CW	(RL)
M89	7832	10-2	1000	Mon	CQ CQ CQ DE DP91 DP91 V HR NIL SK GB //6212	CW	(JPL)
M89	6212	10-2	1000	Mon	Q CQ CQ DE DP91 DP91 V HR NIL SK GB //7832	CW	(JPL)
M89	7653	10-2	1019	Mon	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)

M89	5177	10-2	1042	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4870	10-2	1043	Mon	V M8JF (x3) DE RIS9 (x2) ///3238	CW	(JPL)
M89	3238	10-2	1043	Mon	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4711	10-2	1045	Mon	i.p. 7D53 D53N TN3D UAND ...	CW	(JPL)
M89	5858	10-2	1053	Mon	V 8FBH (x3) DE 5J9K (x2)	CW	(JPL)
M89	5816	10-2	1054	Mon	i.p. 3UAD 7U6T D7T4 TA65 5T3D ... AR QSL ? K R HR WK NR 250 K	CW	(JPL)
M89	7733	10-2	1108	Mon	i.p. 5ATU 3N47 ...	CW	(JPL)
M89	6854	10-2	1111	Mon	i.p. 5TTT 65D5 TU34 3454 ...	CW	(JPL)
M89	5761	10-2	1116	Mon	i.p. 21/= = D8T6/K71.. AR QSY 87 QSY 87 QSY 87	CW	(JPL)
M89	4131	10-2	1602	Mon	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3238	10-2	1605	Mon	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	3238	10-2	1605	Mon	i.p. VV HR F GA VV HR F GA F NA F NR 070/EX 22 VVV HR F GA FF NR 070/EX 0010 RMKS	CW	(JPL)
M89	3200	10-2	1621	Mon	i.p. AU76 UU6T 5U45 NA35 ...	CW	(JPL)
M89	3344	10-2	1623	Mon	i.p. 46T6 53D7 DAN6 5UN5 7T33 ... 34T7 65ND AU34 T56D 7NAU 6354 N7DU TA4U 76D3 ...	CW	(JPL)
M89	3379	10-2	1625	Mon	o.p. TN34 UNU6 N7AA T765 ...	CW	(JPL)
M89	3732	10-2	1627	Mon	i.p. 646A 5A6N 35UT 753N ...	CW	(JPL)
M89	3842	10-2	2000	Mon	V 8FBH (x3) DE 5J9K (x2) ...	CW	(JPL)
M89	3262	10-2	2013	Mon	i.p. COMM/0079 AR HR WK NR 4120 HR WK NR 4020 EEEE NIL SK NIL SK	CW	(JPL)
M89	3379	10-2	2018	Mon	i.p. 3DA4 4766 TA75 TA73 7A34 ...	CW	(JPL)
M89	4860	10-2	2020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850	CW	(JPL)
M89	3850	10-2	2020	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) ///4860	CW	(JPL)
M89	5858	11-2	0854	Tue	V 8FDH (x3) DE 5J9K (x2) //10563 sending different roundslip	CW	(JPL)
M89	10563	11-2	0854	Tue	V 3D1U (x3) DE G25H (x2) //5858 sending different roundslip	CW	(JPL)
M89	7653	11-2	0901	Tue	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	6874	11-2	0903	Tue	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	11-2	0903	Tue	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	4680	11-2	0905	Tue	V Y7JF Y7JF Y7JF DE IB8Q IB8Q VV HR SVC GA NR 009 17 33 RMKS 1124 TO 096 =	CW	(JPL)
M89	5177	11-2	0905	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	7832	11-2	1000	Tue	CQ (x3) DE DP91 (x2) V (o.p. DP91 (x3) DE CQ (x2) V R HR NIL SK GB	CW	(JPL)
M89	10640	12-2	0820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 8360	CW	(JPL)
M89	8290	12-2	0820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8360 and 10640	CW	(JPL)
M89	6840	12-2	0820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290 and 8360 and 10640	CW	(JPL)
M89	8360	12-2	0820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 10640	CW	(JPL)
M89	7620	12-2	0830	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	12-2	0830	Wed	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	6874	12-2	0833	Wed	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	12-2	0833	Wed	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	4870	12-2	1541	Wed	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3238	12-2	1541	Wed	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	7653	12-2	1543	Wed	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)

M89	3842	12-2	1545	Wed	V 8FBH (x3) DE 5J9K (x2) //4135 sending different roundslip and is slower	CW	(JPL)
M89	4135	12-2	1545	Wed	V 3D1U (x3) DE G25H (x2) //3842 sending different roundslip and is faster	CW	(JPL)
M89	4131	12-2	1547	Wed	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4898	12-2	1550	Wed	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	4101	12-2	1557	Wed	i.p. U57A NN6N DNDT T... K R RPT 55W TO 57W BT T56U T.35 DN4D AR K R 3P 1W GA = = 4ND4 T636 75NU A4UA ...	CW	(JPL)
M89	4153	12-2	1600	Wed	i.p. R NR 289 CK 81 62 0212 2359 RMKS 2327 TO 1752 = 737D A65U DANU AD43 3T5N 654T 67TA ...	CW	(JPL)
M89	5123	12-2	1606	Wed	i.p. A7TU 76T4 65N3 6664 DA7U ...	CW	(JPL)
M89	3346	12-2	1608	Wed	i.p. A6AU 76TT ...	CW	(JPL)
M89	3816	12-2	1608	Wed	i.p. 76AN AR K	CW	(JPL)
M89	4860	12-2	2020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89	3850	12-2	2020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	12-2	2020	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	4131	13-2	1956	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4870	13-2	2000	Thu	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3238	13-2	2000	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	7653	13-2	2002	Thu	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	3850	13-2	2020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	13-2	2020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	4860	13-2	2020	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89	10563	15-2	0647	Sat	V 3D1U (x3) DE G25H (x2) //5858 sending different roundslip	CW	(JPL)
M89	5858	15-2	0647	Sat	V 8FDH (x3) DE 5J9K (x2)// 10563 sending different roundslip	CW	(JPL)
M89	6874	15-2	0649	Sat	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	15-2	0649	Sat	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	7653	15-2	0651	Sat	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	7660	15-2	0657	Sat	i.p. 7TNA U3T4 D6T7 73AD AU34 ... AR K R OK N RPT K N HR WK NR 506 506 K R SK GB	CW	(JPL)
M89	7620	15-2	0730	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	8350	15-2	0730	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	5177	15-2	1128	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4520	15-2	1139	Sat	U56D DT4A D56N 475D 734D ... AR QSL 1936 AR K R R HR WK NR 22400 HR WK NR 22400 K	CW	(JPL)
M89	5445	15-2	1158	Sat	i.p. HR MSG .P 1W GA 4D6A TAAN NAN3 67A7 6A47 ...	CW	(JPL)
M89	6840	15-2	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	3850	15-2	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	15-2	1220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89	3238	15-2	1222	Sat	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	15-2	1222	Sat	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	4131	15-2	1515	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3842	15-2	1518	Sat	V 8FBH (x3) DE 5J9K (x2)	CW	(JPL)
M89	3238	15-2	1520	Sat	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	6840	15-2	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)

M89	4870	15-2	1520	Sat	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3850	15-2	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	15-2	1520	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89	4135	15-2	1527	Sat	V 3D1U (x3) DE G25H (x2) //3842 sending different roundslip	CW	(JPL)
M89	3842	15-2	1527	Sat	V 8FBH (x3) DE 5J9K (x2) //4135 sending different roundslip	CW	(JPL)
M89	4720	15-2	1530	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	5150	15-2	1530	Sat	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	3245	15-2	1720	Sat	i.p. R QSL 0120 QSL 0120 K R NIL SK R GB 0122 QSL 0122 K	CW	(JPL)
M89	8157	16-2	0719	Sun	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	8290	16-2	0720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8360 and 10640	CW	(JPL)
M89	8360	16-2	0720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 10640	CW	(JPL)
M89	6840	16-2	0720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290 and 8360 and 10640	CW	(JPL)
M89	10640	16-2	0720	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 8360	CW	(JPL)
M89	8350	16-2	0730	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	7620	16-2	0730	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	7653	16-2	0734	Sun	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	3238	16-2	1200	Sun	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4135	16-2	1204	Sun	V 3D1U (x3) DE G25H (x2) //3842 sending different roundslip	CW	(JPL)
M89	3842	16-2	1204	Sun	V 8FBH (x3) DE 5J9K (x2) //4135 sending different roundslip	CW	(JPL)
M89	4131	16-2	1551	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	2984	16-2	1554	Sun	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	3229	16-2	1556	Sun	i.p. U4T6 437U N5D3 N7A6 UTA4 ... III = = T4U3 U345 UD47 4A6N ...	CW	(JPL)
M89	5150	18-2	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4720	18-2	1130	Tue	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	4860	18-2	1220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89	3580	18-2	1220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	6840	18-2	1220	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	3238	18-2	1224	Tue	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	18-2	1224	Tue	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3178	18-2	1225	Tue	i.p. R R BOZ CHG USB WK K	CW	(JPL)
M89	3265	18-2	1225	Tue	i.p. ATU4 4AU3 D3N5 N367	CW	(JPL)
M89	3178	18-2	1229	Tue	Switch to unid digital mode (not 4+4)	Digimode	(JPL)
M89	7653	18-2	2000	Tue	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	3850	20-2	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	6840	20-2	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	7653	20-2	1120	Thu	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	4860	20-2	1120	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89	5177	20-2	1121	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	3238	20-2	1126	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	20-2	1126	Thu	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)

M89	3842	20-2	1128	Thu	V 8FBH (x3) DE 5J9K (x2)	CW	(JPL)
M89	5150	20-2	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //4720	CW	(JPL)
M89	4720	20-2	1130	Thu	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //5150	CW	(JPL)
M89	4131	20-2	1558	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	7653	20-2	1616	Thu	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	7653	21-2	1132	Fri	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	4870	21-2	1141	Fri	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	3420	21-2	1146	Fri	i.p. DANU AN37 T634 ADDU ...	CW	(JPL)
M89	5177	21-2	1151	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4313	21-2	1152	Fri	i.p. 574N 475T 654U ...	CW	(JPL)
M89	5132	21-2	1155	Fri	i.p. R GA K R 11W = 4DN. DUT5 6NAN DA6A ...	CW	(JPL)
M89	4832	21-2	1611	Fri	i.p. HR NIL SK GB	CW	(JPL)
M89	3238	21-2	1631	Fri	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4870	21-2	1631	Fri	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	7653	21-2	1633	Fri	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	4135	21-2	1634	Fri	V 3D1U (x3) DE G25H (x2) //3842 sending different roundslip	CW	(JPL)
M89	3842	21-2	1634	Fri	V 8FBH (x3) DE 5J9K (x2) //4135 sending different roundslip	CW	(JPL)
M89	4131	21-2	1640	Fri	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6396	22-2	1008	Sat	CQ (x3) DE DP91 (x2) V MSG NR 01 49 0222 1815 W DP391 MSG NR 01 49 = = MSG NR 01 49 0222 1815 EEE	CW	(JPL)
M89	7832	22-2	1008	Sat	CQ (x3) DE DP91 (x2) V NIL SK GB	CW	(JPL)
M89	7653	22-2	1014	Sat	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	5858	22-2	1043	Sat	V 8FDH (x3) DE 5J9K (x2) //10563 sending different roundslip	CW	(JPL)
M89	10563	22-2	1043	Sat	V 3D1U (x3) DE G25H (x2) //5858 sending different roundslip	CW	(JPL)
M89	5177	22-2	1050	Sat	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	4870	22-2	1058	Sat	V M8JF (x3) DE RIS9 (x2)	CW	(JPL)
M89	8157	23-2	0911	Sun	V M8JF (x3) DE RIS9 (x2) //4870 and 6874	CW	(JPL)
M89	6874	23-2	0911	Sun	V M8JF (x3) DE RIS9 (x2) //4870 and 8157	CW	(JPL)
M89	4870	23-2	0911	Sun	V M8JF (x3) DE RIS9 (x2) //6874 and 8157	CW	(JPL)
M89	7653	23-2	0917	Sun	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	8360	23-2	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 10640	CW	(JPL)
M89	6840	23-2	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290 and 8360 and 10640	CW	(JPL)
M89	8290	23-2	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8360 and 10640	CW	(JPL)
M89	10640	23-2	0920	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //6840 and 8290 and 8390	CW	(JPL)
M89	8350	23-2	0930	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //7620	CW	(JPL)
M89	7620	23-2	0930	Sun	V WNF(x3) DE FXM (x2) (R5) QSA ? QSV K //8350	CW	(JPL)
M89	10563	23-2	0936	Sun	V 3D1U (x3) DE G25H (x2) //5858 sending different roundslip	CW	(JPL)
M89	5858	23-2	0936	Sun	V 8FDH (x3) DE 5J9K (x2) //10563 sending different roundslip	CW	(JPL)
M89	5873	23-2	0941	Sun	i.p. R HR MSG GA NR 161/EX CK 99 49 0223 1730 RMKS 5402 TO 5518 K R = = 7NAU 4UTA 3D53 TN7N A736 UAD4 ...	CW	(JPL)

M89	5415	23-2	0941	Sun	i.p. U354 6756 ND76 U354 D76T ...	CW	(JPL)
M89	5177	23-2	0957	Sun	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6212	23-2	1000	Sun	CQ (x3) DE DP91 (x2) V HR NIL SK GB //7832	CW	(JPL)
M89	7832	23-2	1008	Sun	DP91 (x3) DE CQ (x2) V D4NU N7TU ? BT FM 4 NIL SK GB NIL SK GB NIL SK GB //6212	CW	(JPL)
M89	6890	23-2	1028	Sun	i.p. 7NDA ANDU 7D35 T436 ... AR QSL ? K R HR WK NR 00330 K R HR NIL SK	CW	(JPL)
M89	7832	24-2	1000	Mon	N (Sent approx every 8 seconds. Tx technical issue?) HR NIL SK GB (DP91)	CW	(JPL)
M89	6396	24-2	1012	Mon	VVV VVV VV [DP391]	CW	(JPL)
M89	10563	25-2	0735	Tue	V 3D1U (x3) DE G25H (x2)	CW	(JPL)
M89	8157	25-2	0737	Tue	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	6874	25-2	0737	Tue	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	5177	25-2	0815	Tue	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	10563	25-2	0817	Tue	V 3D1U (x3) DE G25H (x2) //5858 sending different roundslip	CW	(JPL)
M89	5858	25-2	0817	Tue	V 8FDH (x3) DE 5J9K (x2) //10563 sending different roundslip	CW	(JPL)
M89	7653	25-2	0819	Tue	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	8290	25-2	0820	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8360 and 10640	CW	(JPL)
M89	10640	25-2	0820	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290 and 8390	CW	(JPL)
M89	8360	25-2	0820	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //8290 and 10640	CW	(JPL)
M89	4131	27-2	0127	Thu	V JKDJ (x3) DE SLBC (x2)	CW	(JPL)
M89	6874	27-2	0132	Thu	V M8JF (x3) DE RIS9 (x2) //8157	CW	(JPL)
M89	8157	27-2	0132	Thu	V M8JF (x3) DE RIS9 (x2) //6874	CW	(JPL)
M89	4898	27-2	0136	Thu	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	5858	27-2	0139	Thu	V 8FDH (x3) DE 5J9K (x2) //10563 sending different roundslip	CW	(JPL)
M89	10563	27-2	0139	Thu	V 3D1U (x3) DE G25H (x2) //5858 sending different roundslip	CW	(JPL)
M89	7653	27-2	0143	Thu	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	4870	27-2	1216	Thu	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M89	3238	27-2	1216	Thu	V M8JF (x3) DE RIS9 (x2) //4870	CW	(JPL)
M89	4131	27-2	1218	Thu	V JKDJ (x3) DE SLBC (x2) //4886	CW	(JPL)
M89	4886	27-2	1218	Thu	V JKDJ (x3) DE SLBC (x2) //4131	CW	(JPL)
M89	7653	27-2	1219	Thu	V 8RVF (x3) DE CV4K (x2)	CW	(JPL)
M89	6840	27-2	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	3850	27-2	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	27-2	1220	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89	3842	27-2	1221	Thu	V 8FBH (x3) DE 5J9K (x2) //4135 sending different roundslip	CW	(JPL)
M89	4135	27-2	1221	Thu	V 3D1U (x3) DE G25H (x2) //3842 sending different roundslip	CW	(JPL)
M89	3301	27-2	1230	Thu	i.p. TT6D 5D4T 6N3U A4A3 TUA7 ...	CW	(JPL)
M89	3430	27-2	1236	Thu	i.p. 7ANU 437N D5U7 UDAT ND4A ...	CW	(JPL)
M89	3488	27-2	1238	Thu	i.p. MSG GA ? K NR 157 CK 89 12 0227 1930 RMKS 0.06 TO .70.. EEE RMKS 07.6 TO 070A EEE RMKS 0706 TO 0703 = 5573 NA.U D7UA 63U3 ...	CW	(JPL)
M89	3768	27-2	1245	Thu	i.p. 6NN7 6N34 ANUD 3N4U 45UD ...	CW	(JPL)

M89	3769	27-2	1246	Thu	i.p. IEC Y? III IEC = 2912 AR K R HR 7G GA K MSG NR 2232 CK 91 33 0227 2030 RMKS S9694 TO 0018 K 5TUN AU5A A6DN N76U D547 ...	CW	(JPL)
M89	3870	27-2	1252	Thu	i.p. 75UT UDND ...	CW	(JPL)
M89	2984	27-2	1257	Thu	V QWS1 (x3) DE 87DS (x2)	CW	(JPL)
M89	6840	27-2	1320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 4860	CW	(JPL)
M89	3850	27-2	1320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //4860 and 6840	CW	(JPL)
M89	4860	27-2	1320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA ? K (R5) //3850 and 6840	CW	(JPL)
M89a	3740	6-2	1232	Thu	Switched to voice traffic	USB	(JPL)
M95	10722	1-2	0742	Sat	YHXD de SAQC V	CW	(F5JBR-S)
M95	3968	1-2	1839	Sat	YHXD de SAQC V	CW	(F5JBR-S)
M95	6936	1-2	1911	Sat	YHXD de SAQC V //3968	CW	(F5JBR-S)
M95	3968	1-2	1921	Sat	V YHXD (x3) DE SAQC (x2)	CW	(JPL)
M95	10722	2-2	0227	Sun	V YHXD (x3) DE SAQC (x2)	CW	(JPL)
M95	5479	2-2	0731	Sun	V YHXD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	2-2	0731	Sun	V YHXD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4545	2-2	0801	Sun	i.p. R HR MSG NR 001/CCK CK 91 23 0202 1600 RMKS 5715 TO 1048 K	CW	(JPL)
M95	5888	2-2	0821	Sun	05 05 05 (Very slow. Long zero) A6TD D4TU UT6A DT63 367T 5A4N N5T5 NAU6 TTTTTTTT5 TA6UAT7U475ANU4D3 (Cont'd)	CW	(JPL)
M95	7710	2-2	0834	Sun	i.p. MSG NR 0033/CCK CK 199 24 003 1610 RMKS CQ = T6AT ..36 D768 N5U6 3..6 NADD DN7N 7734 U75D NNDU 753U 76TT (Cont'd)	CW	(JPL)
M95	4616	2-2	1336	Sun	i.p. R MSG GA NR ..1/CCK CK 99 .. 02.. RMKS 190 TO 1633 = ...4 D6T N5DA (Cont'd)	CW	(JPL)
M95	3968	2-2	1356	Sun	V YHXD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	2-2	1356	Sun	V YHXD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	3427	2-2	1815	Sun	i.p. 3NUT 675A UTD7 474T ND5D 645A (Cont'd) AR K	CW	(JPL)
M95	5479	3-2	1326	Mon	V YHXD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	3-2	1326	Mon	V YHXD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	6936	3-2	2012	Mon	V YHXD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	3968	3-2	2012	Mon	V YHXD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	5479	4-2	1049	Tue	V YHXD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	4-2	1049	Tue	V YHXD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	4364	4-2	1140	Tue	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0120 CK 297 35 0204 1006 = 3U6 3AN 3U7 TAU ... //8073	CW	(JPL)
M95	8073	4-2	1140	Tue	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0120 CK 297 35 0204 1006 = 3U6 3AN 3U7 TAU ... //4364	CW	(JPL)
M95	4243	4-2	1150	Tue	BNGC DE XSV85 HR MSG TO YR PSE CY NR 083 CK 57 35 0204 1532 = 5AA UTT TT4 3U6 7...	CW	(JPL)
M95	4364	6-2	1143	Thu	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CYNR 0128 CK 367 35 0206 1630 = //8073	CW	(JPL)
M95	8073	6-2	1143	Thu	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CYNR 0128 CK 367 35 0206 1630 = //4364	CW	(JPL)
M95	4243	6-2	1150	Thu	BNGC DE XSV85 HR MSG TO YR PSE CY NR 087 CK 52 35 0206 1537 =	CW	(JPL)
M95	5479	6-2	1205	Thu	V YHXD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	6-2	1205	Thu	V YHXD (x3) DE SAQC (x2) //5479	CW	(JPL)

M95	8073	7-2	1143	Fri	XSV85 i.p. 773 356 4T3 NN3 447 AR NR 0133 CK 40 35 0207 1617 = TTU N5U TT7 N53 TAD N54 7TT TTN 746 7T5 ... //4364	CW	(JPL)
M95	4364	7-2	1143	Fri	XSV85 i.p. 773 356 4T3 NN3 447 AR NR 0133 CK 40 35 0207 1617 = TTU N5U TT7 N53 TAD N54 7TT TTN 746 7T5 ... //8073	CW	(JPL)
M95	4243	7-2	1208	Fri	i.p. AR MSG AGN NR 14 CK 161 35 0207 1602 = UTU TT7 3U6 3A4 TTU 773 353 N3D 35U (Cont'd) //9054	CW	(JPL)
M95	9054	7-2	1208	Fri	i.p. AR MSG AGN NR 14 CK 161 35 0207 1602 = UTU TT7 3U6 3A4 TTU 773 353 N3D 35U (Cont'd) //4243	CW	(JPL)
M95	3968	7-2	1232	Fri	V YHxD (x3) DE SAQC (x2)	CW	(JPL)
M95	6936	7-2	1559	Fri	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	3968	7-2	1559	Fri	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	3021	7-2	1647	Fri	i.p. DE RF56 N QSA 2 QSA ? K. NIL = 3295 AR HR MSG GA CY HW	CW	(JPL)
M95	5479	10-2	0959	Mon	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	10-2	0959	Mon	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	5525	10-2	1031	Mon	i.p. 53UN 3U7D 4567 3UDN ... AR QSL ? K R RPT 73W K R RPT 73W 2158 2158 K	CW	(JPL)
M95	10722	11-2	0851	Tue	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	5479	11-2	0851	Tue	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	9054	11-2	0912	Tue	i.p. 445 3DU N3D 3DA 4D4 AR A HR MSG GA NR .7 CK 17 35 0211 1625 =	CW	(JPL)
M95	3968	11-2	1552	Tue	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	10722	12-2	0839	Wed	V YHxD (x3) DE SAQC (x2)	CW	(JPL)
M95	4243	12-2	0900	Wed	Repeating Q26's messages	CW	(JPL)
M95	6936	12-2	1552	Wed	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	3968	13-2	1954	Thu	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6936	13-2	1954	Thu	V YHxD (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	5479	15-2	0719	Sat	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10720	15-2	0719	Sat	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	8083	15-2	1140	Sat	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0159 CK 34 35 0215 1543 = //4364	CW	(JPL)
M95	4364	15-2	1140	Sat	V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0159 CK 34 35 0215 1543 = //8073	CW	(JPL)
M95	9054	15-2	1147	Sat	VV HR 7G TO YR PSE CY NR 30 CK 120 35 0215 1513 = UTU TA5 3U6 3A4 ... //4243	CW	(JPL)
M95	4243	15-2	1147	Sat	VV HR 7G TO YR PSE CY NR 30 CK 120 35 0215 1513 = UTU TA5 3U6 3A4 ... //9054	CW	(JPL)
M95	10720	16-2	0732	Sun	V YHxD (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	5479	16-2	0732	Sun	V YHxD (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	8073	16-2	1143	Sun	V BNGC DE XSV85 HR MSGS GA PSE CY NR 0163 CK 328 35 0216 1709 = //4364	CW	(JPL)
M95	4364	16-2	1143	Sun	V BNGC DE XSV85 HR MSGS GA PSE CY NR 0163 CK 328 35 0216 1709 = //8073	CW	(JPL)
M95	4243	16-2	1151	Sun	i.p. VV HR MSG TO YR PSE CY NR 32 CK 169 35 0216 1514 =	CW	(JPL)
M95	4870	16-2	1200	Sun	V M8JF (x3) DE RIS9 (x2) //3238	CW	(JPL)
M95	3968	16-2	1546	Sun	V YHxD (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	6938	16-2	1546	Sun	V YHxD (x3) DE SAQC (x2) //3868	CW	(JPL)
M95	8073	18-2	1142	Tue	05 05 05 V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0171 CK 299 35 0218 1600 = //4364	CW	(JPL)
M95	4364	18-2	1142	Tue	05 05 05 V BNGC (x3) DE XSV85 (x2) HR MSGS GA PSE CY NR 0171 CK 299 35 0218 1600 = //8073	CW	(JPL)
M95	4243	18-2	1149	Tue	VV HR MSG TO YR PSE CY NR 36 CK 248 35 0218 1526 = UTN TAD 3U6 3A4 TTU 773 35A N3D 353 4TN ... //9054	CW	(JPL)

M95	9054	18-2	1149	Tue	VV HR MSG TO YR PSE CY NR 36 CK 248 35 0218 1526 = UTN TAD 3U6 3A4 TTU 773 35A N3D 353 4TN ... //4243	CW	(JPL)
M95	5479	18-2	1216	Tue	V YHDX (x3) DE SAQC (x2)	CW	(JPL)
M95	5479	20-2	1118	Thu	V YHDX (x3) DE SAQC (x2)	CW	(JPL)
M95	8073	20-2	1142	Thu	V BNGC (x3) DE XSV85 (x2) HR MSGS PSE CY NR 0179 CK 36 35 0220 1554 = TTU N5U TUT N53 ... //4364	CW	(JPL)
M95	4364	20-2	1142	Thu	V BNGC (x3) DE XSV85 (x2) HR MSGS PSE CY NR 0179 CK 36 35 0220 1554 = TTU N5U TUT N53 ... //8073	CW	(JPL)
M95	4243	20-2	1149	Thu	VV HR MSG TO YR PSE CY NR 016 CK 41 35 0220 1541 = 5AA UTT TUT 3U6 3A4 ...	CW	(JPL)
M95	3968	20-2	1613	Thu	V YHDX (x3) DE SAQC (x2)	CW	(JPL)
M95	10722	21-2	1159	Fri	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	5479	21-2	1159	Fri	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	3968	21-2	1628	Fri	V YHDX (x3) DE SAQC (x2)	CW	(JPL)
M95	5479	22-2	1048	Sat	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	22-2	1048	Sat	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	5479	23-2	0939	Sun	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	23-2	0939	Sun	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	10722	25-2	0732	Tue	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	5479	25-2	0732	Tue	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	5479	25-2	0800	Tue	= ZZ89 TR9W/1408/1280 AR QSL ? HR WK NR 110 V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	25-2	0800	Tue	= ZZ89 TR9W/1408/1280 AR QSL ? HR WK NR 110 V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
M95	6936	27-2	0129	Thu	V YHDX (x3) DE SAQC (x2) //3968	CW	(JPL)
M95	3968	27-2	0129	Thu	V YHDX (x3) DE SAQC (x2) //6936	CW	(JPL)
M95	8073	27-2	1142	Thu	XSV85 i.p. 773 453 4T3 NN3 AR AR //4364	CW	(JPL)
M95	4364	27-2	1142	Thu	XSV85 i.p. 773 453 4T3 NN3 AR AR //8073	CW	(JPL)
M95	4243	27-2	1156	Thu	i.p. 373 N3D 353 36U AR A HR 7G GA NR 54 CK 185 35 0227 1602 = UTU TU7 3U6 3A4 TTU 773 335 433 (Cont'd) AR	CW	(JPL)
M95	5479	27-2	1308	Thu	V YHDX (x3) DE SAQC (x2) //10722	CW	(JPL)
M95	10722	27-2	1308	Thu	V YHDX (x3) DE SAQC (x2) //5479	CW	(JPL)
MX	7611	1-2	0607	Sat	Beacon V. At times malfunctioning and repeating with an extra dot after the dash	CW	(ES-RUS)
MX	5342	1-2	0621	Sat	Beacon V	CW	(ES-KAZ)
MX	7611	2-2	0418	Sun	Beacon V	CW	(ES-RUS)
MX	5342	2-2	0419	Sun	Beacon V	CW	(ES-KAZ)
MX	8394.7	17-2	1443	Mon	Beacon D, Sevastopol	CW	(AB)
MX	8494.8	17-2	1443	Mon	Beacon P, Kaliningrad	CW	(AB)
MX	8495	17-2	1443	Mon	Beacon C, Moscow	CW	(AB)
MX	10871.7	17-2	1443	Mon	Beacon D, Sevastopol	CW	(AB)
MX	10872.1	17-2	1443	Mon	Beacon A, Astrakhan	CW	(AB)
MX	10871.9	17-2	1443	Mon	Beacon S, Sevoromorsk	CW	(AB)
MX	10872	17-2	1443	Mon	Beacon C, Moscow	CW	(AB)
MX	13527.9	17-2	1446	Mon	Beacon S, Sevoromorsk	CW	(AB)
MX	13527.7	17-2	1446	Mon	Beacon D, Sevastopol	CW	(AB)

MX	13528	17-2	1446	Mon	Beacon C, Moscow	CW	(AB)
MX	16331.7	17-2	1455	Mon	Beacon D, Sevastopol	CW	(AB)
MX	16332	17-2	1455	Mon	Beacon C, Moscow	CW	(AB)
MX	7508.7	17-2	1458	Mon	Beacon D, Sevastopol	CW	(AB)
MX	7508.8	17-2	1458	Mon	Beacon P, Kaliningrad	CW	(AB)
MX	5156.8	17-2	1500	Mon	Beacon L, St Petersburg	CW	(AB)
MX	5153.9	17-2	1501	Mon	Beacon S, Sevoromorsk	CW	(AB)
MX	5153.8	17-2	1501	Mon	Beacon P, Kaliningrad	CW	(AB)
MX	7039.3	17-2	1505	Mon	Beacon K, Petropavlovsk Kamchatskiy	CW	(AB-RUS)
MX	7039.2	17-2	1505	Mon	Beacon F, Vladivostok	CW	(AB-RUS)
MX	7039.4	17-2	1505	Mon	Beacon M, Magadan	CW	(AB-RUS)
MX	5154.1	17-2	1510	Mon	Beacon A, Astrakhan	CW	(AB-RUS)
MX	3595.1	17-2	1512	Mon	Beacon A, Astrakhan	CW	(AB-RUS)
MX	3657	18-2	1708	Tue	Beacon V. Fast version	CW	(AB)
MX	4338	18-2	1708	Tue	Beacon V. Slow version	CW	(AB)
MX	4338	21-2	1714	Fir	Beacon V. Slow version	CW	(AB)
MX	3657	21-2	1720	Fir	Beacon V. Fast version	CW	(AB)
MX	10872.1	25-2	0745	Tue	Beacon A, Astrakhan	CW	(JPL-RUS)
MX	9116.2	25-2	0757	Tue	Beacon A	CW	(JPL-RUS)
MX	8495.1	25-2	0809	Tue	Beacon A, Astrakhan	CW	(JPL-RUS)
MX	5154.2	25-2	1359	Tue	Beacon F, Vladivistok	CW	(AB-J)
MX	4338	25-2	1708	Tue	Beacon V	CW	(AB)
MX	3657	25-2	1708	Tue	Beacon V	CW	(AB)
MX	3657	28-2	1757	Fir	Beacon V	CW	(AB)
MX	4338	28-2	1757	Fir	Beacon V	CW	(AB)
P03a	4356	1-2	1320	Sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	1-2	1325	Sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	14975	1-2	1500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	1-2	1500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	1-2	1505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	1-2	1505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	2-2	0500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	2-2	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	2-2	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	2-2	0510	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	9079	2-2	1120	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	9079	2-2	1125	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	2-2	1320	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	2-2	1325	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	2-2	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB)

P03a	8680	2-2	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	3-2	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	3-2	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	3-2	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	3-2	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	5-2	1500	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	5-2	1505	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	5-2	1600	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	5-2	1605	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	7-2	1500	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	7-2	1505	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	7-2	1635	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	7-2	1640	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	8-2	0500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	8-2	0505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	8-2	1320	Sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	8-2	1325	Sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5409	9-2	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	9-2	0510	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	9079	9-2	1120	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	9079	9-2	1125	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	9-2	1320	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	9-2	1325	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	9-2	1410	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	9-2	1415	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	9-2	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	9-2	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	10-2	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	10-2	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	10-2	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	10-2	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	12-2	1600	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	12-2	1605	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	14-2	0505	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	14-2	0510	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	14-2	1500	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	14-2	1505	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	14-2	1635	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	14-2	1640	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	15-2	0500	Sat	Polish intel.	BPSK 62.5Bd	(AB)

P03a	5371	15-2	0505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	15-2	1320	Sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	4356	15-2	1325	Sat	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03a	5371	16-2	0500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	16-2	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	16-2	0505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5409	16-2	0510	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	9079	16-2	1120	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	9079	16-2	1125	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	16-2	1410	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	16-2	1415	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	16-2	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	16-2	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	17-2	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	17-2	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	17-2	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	17-2	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	19-2	1600	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	19-2	1605	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	21-2	1500	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	21-2	1505	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	21-2	1635	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	21-2	1640	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	22-2	0500	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	5371	22-2	0505	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	22-2	1600	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	22-2	1605	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	9079	23-2	1120	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	9079	23-2	1125	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	23-2	1410	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	23-2	1415	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	23-2	1500	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	23-2	1505	Sun	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	24-2	1410	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	13470	24-2	1415	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	24-2	1635	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	24-2	1640	Mon	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	26-2	1600	Wed	Polish intel.	BPSK 62.5Bd	(AB/MPJ-POL)
P03a	14975	26-2	1605	Wed	Polish intel.	BPSK 62.5Bd	(AB/MPJ-POL)
P03a	5409	28-2	0505	Fir	Polish intel.	BPSK 62.5Bd	(AB)

P03a	5409	28-2	0510	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	28-2	1500	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	8680	28-2	1505	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	28-2	1635	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	28-2	1640	Fir	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	29-2	1320	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	4356	29-2	1325	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	29-2	1600	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03a	14975	29-2	1605	Sat	Polish intel.	BPSK 62.5Bd	(AB)
P03b	4356	1-2	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	1-2	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	2-2	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	2-2	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	5-2	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	5-2	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	7-2	1200	Fir	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	7-2	1205	Fir	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	8-2	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	8-2	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	9-2	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	9-2	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	12-2	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	12-2	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	12-2	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	12-2	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	14-2	1200	Fir	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	14-2	1205	Fir	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	15-2	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	15-2	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	16-2	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	16-2	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	19-2	1120	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	9079	19-2	1125	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	19-2	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	19-2	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	21-2	1200	Fir	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	21-2	1205	Fir	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	22-2	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	22-2	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	23-2	0610	Sun	Polish intel.	QPSK 62.5Bd	(AB)

P03b	4356	23-2	0615	Sun	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	26-2	1200	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	5779	26-2	1205	Wed	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	29-2	0610	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03b	4356	29-2	0615	Sat	Polish intel.	QPSK 62.5Bd	(AB)
P03e	5082	2-2	1725	Sun	Polish intel.	QPSK 100	(MPJ)
P03e	5082	2-2	1730	Sun	Polish intel.	QPSK 100	(MPJ)
P03e	6906	3-2	1830	Mon	Polish intel.	QPSK 100Bd	(AB)
P03e	6906	3-2	1835	Mon	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	4-2	1725	Tue	Polish intel.	QPSK 100	(AB/MPJ)
P03e	5082	4-2	1730	Tue	Polish intel.	QPSK 100	(AB/MPJ)
P03e	10800	7-2	1440	Fir	Polish intel.	QPSK 100	(AB/MPJ)
P03e	10800	7-2	1445	Fir	Polish intel.	QPSK 100	(AB)
P03e	10800	9-2	1440	Sun	Polish intel.	QPSK 100	(AB)
P03e	10800	9-2	1445	Sun	Polish intel.	QPSK 100	(AB)
P03e	5082	9-2	1725	Sun	Polish intel.	QPSK 100	(AB)
P03e	5082	9-2	1730	Sun	Polish intel.	QPSK 100	(AB)
P03e	6906	10-2	1830	Mon	Polish intel.	QPSK 100Bd	(AB)
P03e	6906	10-2	1835	Mon	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	11-2	1725	Tue	Polish intel.	QPSK 100	(AB)
P03e	5082	11-2	1730	Tue	Polish intel.	QPSK 100	(AB)
P03e	6906	13-2	1830	Thu	Polish intel.	QPSK 100Bd	(AB)
P03e	6906	13-2	1835	Thu	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	14-2	1440	Fir	Polish intel.	QPSK 100	(AB/MPJ)
P03e	10800	14-2	1445	Fir	Polish intel.	QPSK 100	(AB/MPJ)
P03e	10800	16-2	1440	Sun	Polish intel.	QPSK 100	(AB)
P03e	10800	16-2	1445	Sun	Polish intel.	QPSK 100	(AB)
P03e	5082	16-2	1725	Sun	Polish intel.	QPSK 100	(AB)
P03e	5082	16-2	1730	Sun	Polish intel.	QPSK 100	(AB)
P03e	6906	17-2	1830	Mon	Polish intel.	QPSK 100Bd	(AB)
P03e	6906	17-2	1835	Mon	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	18-2	1725	Tue	Polish intel.	QPSK 100	(AB)
P03e	5082	18-2	1730	Tue	Polish intel.	QPSK 100	(AB)
P03e	6906	20-2	1830	Thu	Polish intel.	QPSK 100Bd	(AB)
P03e	6906	20-2	1835	Thu	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	21-2	1440	Fir	Polish intel.	QPSK 100	(AB)
P03e	10800	21-2	1445	Fir	Polish intel.	QPSK 100	(AB)
P03e	10800	23-2	1440	Sun	Polish intel.	QPSK 100	(AB/MPJ)
P03e	10800	23-2	1445	Sun	Polish intel.	QPSK 100	(AB/MPJ)
P03e	5082	23-2	1725	Sun	Polish intel.	QPSK 100	(AB)

P03e	5082	23-2	1730	Sun	Polish intel.	QPSK 100	(AB)
P03e	6906	24-2	1830	Mon	Polish intel.	QPSK 100Bd	(AB)
P03e	6906	24-2	1835	Mon	Polish intel.	QPSK 100Bd	(AB)
P03e	5082	25-2	1725	Tue	Polish intel.	QPSK 100	(AB/MPJ)
P03e	5082	25-2	1730	Tue	Polish intel.	QPSK 100	(AB/MPJ)
P03e	6906	27-2	1830	Thu	Polish intel.	QPSK 100Bd	(AB)
P03e	6906	27-2	1835	Thu	Polish intel.	QPSK 100Bd	(AB)
P03e	10800	28-2	1440	Fir	Polish intel.	QPSK 100	(AB)
P03e	10800	28-2	1445	Fir	Polish intel.	QPSK 100	(AB)
P03f	6280	4-2	1100	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	4-2	1105	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	5-2	1100	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	5-2	1105	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	11-2	1100	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	11-2	1105	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	12-2	1100	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	12-2	1105	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	18-2	1100	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	18-2	1105	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	19-2	1100	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	19-2	1105	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	25-2	1100	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	25-2	1105	Tue	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	26-2	1100	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03f	6280	26-2	1105	Wed	Polish Intel.	QPSK 200Bd	(AB)
P03g	13046	5-2	1330	Wed	Polish intel.	BPSK 50Bd	(AB)
P03g	13046	5-2	1335	Wed	Polish intel.	BPSK 50Bd	(AB)
P03g	13046	7-2	1330	Fir	Polish intel.	BPSK 50Bd	(AB)
P03g	13046	7-2	1335	Fir	Polish intel.	BPSK 50Bd	(AB/MPJ)
P03g	13046	14-2	1330	Fir	Polish intel.	BPSK 50Bd	(AB/MPJ)
P03g	13046	14-2	1335	Fir	Polish intel.	BPSK 50Bd	(AB/MPJ)
P03g	13046	19-2	1330	Wed	Polish intel.	BPSK 50Bd	(AB)
P03g	13046	19-2	1335	Wed	Polish intel.	BPSK 50Bd	(AB/MPJ)
P03g	13046	21-2	1330	Fir	Polish intel.	BPSK 50Bd	(AB)
P03g	13046	21-2	1335	Fir	Polish intel.	BPSK 50Bd	(AB)
P03g	13046	26-2	1330	Wed	Polish intel.	BPSK 50Bd	(AB)
P03g	13046	26-2	1335	Wed	Polish intel.	BPSK 50Bd	(AB)
P03g	13046	28-2	1330	Fir	Polish intel.	BPSK 50Bd	(MPJ)
P03g	13046	28-2	1335	Fir	Polish intel.	BPSK 50Bd	(MPJ)
P03h	9079	3-2	0530	Mon	Polish Intel.	BPSK 100Bd	(AB-POL)

P03h	9079	3-2	0535	Mon	Polish Intel.	BPSK 100Bd	(AB-POL)
P03h	9079	5-2	0530	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	5-2	0535	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	10-2	0530	Mon	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	10-2	0535	Mon	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	12-2	0530	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	12-2	0535	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	17-2	0530	Mon	Polish Intel.	BPSK 100Bd	(AB-POL)
P03h	9079	17-2	0535	Mon	Polish Intel.	BPSK 100Bd	(AB-POL)
P03h	9079	19-2	0530	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	19-2	0535	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	24-2	0530	Mon	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	24-2	0535	Mon	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	26-2	0530	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03h	9079	26-2	0535	Wed	Polish Intel.	BPSK 100Bd	(AB)
P03i	14656	4-2	0800	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	14656	4-2	0805	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	4-2	1800	Tue	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03i	6480	4-2	1805	Tue	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03i	14656	5-2	0800	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03i	14656	5-2	0805	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	6-2	1800	Thu	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03i	6480	6-2	1805	Thu	Polish intel.	BPSK 62.5Bd	(AB/MPJ)
P03i	14656	11-2	0800	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	14656	11-2	0805	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	11-2	1800	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	11-2	1805	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	14656	12-2	0800	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03i	14656	12-2	0805	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	13-2	1800	Thu	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	13-2	1805	Thu	Polish intel.	BPSK 62.5Bd	(AB)
P03i	14656	18-2	0800	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	14656	18-2	0805	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	18-2	1800	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	18-2	1805	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	14656	19-2	0800	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03i	14656	19-2	0805	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	20-2	1800	Thu	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	20-2	1805	Thu	Polish intel.	BPSK 62.5Bd	(AB)
P03i	14656	25-2	0800	Tue	Polish intel.	BPSK 62.5Bd	(AB)

P03i	14656	25-2	0805	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	25-2	1800	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	25-2	1805	Tue	Polish intel.	BPSK 62.5Bd	(AB)
P03i	14656	26-2	0800	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03i	14656	26-2	0805	Wed	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	27-2	1800	Thu	Polish intel.	BPSK 62.5Bd	(AB)
P03i	6480	27-2	1805	Thu	Polish intel.	BPSK 62.5Bd	(AB)
Q26	4364	4-2	1131	Tue	BNGC DE XSV85. Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	4-2	1131	Tue	BNGC DE XSV85. Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	4-2	1144	Tue	BNGC DE XSV85. Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	6-2	1133	Thu	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	6-2	1133	Thu	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	6-2	1147	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	12-2	0844	Wed	Messages	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	15-2	1133	Sat	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	15-2	1146	Sat	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	15-2	1146	Sat	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	18-2	1132	Tue	Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	18-2	1132	Tue	Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	9054	18-2	1147	Tue	Messages //4243	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	18-2	1147	Tue	Messages //9054	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4364	20-2	1133	Thu	XSV85: Messages //8073	4+4 QPSK 75/3000 LSB	(JPL)
Q26	8073	20-2	1133	Thu	XSV85: Messages //4364	4+4 QPSK 75/3000 LSB	(JPL)
Q26	4243	20-2	1147	Thu	Messages	4+4 QPSK 75/3000 LSB	(JPL)
S06	17440	6-2	0830	Thu	842 950 31 21735 ...	USB	(HFD-CHN)
S06	15614	6-2	0930	Thu	842 950 31 21735 ...	USB	(HFD-CHN)
S06	7378	7-2	1900	Fir	452 452 452 00000	USB	(AB/HFD)
S06	5097	7-2	2000	Fir	452 452 452 00000	USB	(AB/HFD)
S06	7378	21-2	1900	Fir	452 452 452 00000	USB	(AB)
S06	5097	21-2	2000	Fir	452 452 452 00000	USB	(AB)

S06s	8680	1-2	0800	Sat	132 860 7 52401 63919 92699 14600 74248 48754 65125 860 7 00000	USB	(AB)
S06s	8260	1-2	0810	Sat	132 860 7 52401 63919 92699 14600 74248 48754 65125 860 7 00000	USB	(AB)
S06s	13470	3-2	0630	Mon	462 895 7 57440 23247 86945 21816 22536 09822 34694 895 7 00000	USB	(AB-POL)
S06s	16515	3-2	0640	Mon	462 895 7 57440 23247 86945 21816 22536 09822 34694 895 7 00000	USB	(AB-POL)
S06s	8057	3-2	0830	Mon	764 831 5 52401 63919 92699 14600 74248 831 5 00000	USB	(AB)
S06s	8530	3-2	0840	Mon	764 831 5 52401 63919 92699 14600 74248 831 5 00000	USB	(AB)
S06s	14675	3-2	0900	Mon	232 467 5 48754 65125 42979 84648 42035 467 5 00000	USB	(AB-UKR)
S06s	16515	3-2	0910	Mon	232 467 5 48754 65125 42979 84648 42035 467 5 00000	USB	(AB-UKR)
S06s	8420	3-2	1300	Mon	149 836 5 95051 13808 71909 83981 24035 836 5 00000	USB	(AB)
S06s	10635	3-2	1310	Mon	149 836 5 95051 13808 71909 83981 24035 836 5 00000	USB	(AB)
S06s	16145	4-2	0600	Tue	438 561 7 88569 89617 25757 77159 95225 84090 09531 561 7 00000	USB	(AB-POL)
S06s	14240	4-2	0610	Tue	438 561 7 88569 89617 25757 77159 95225 84090 09531 561 7 00000	USB	(AB-POL)
S06s	5250	4-2	0700	Tue	452 871 6 01405 15003 24357 60583 54545 51128 871 6 00000	USB	(AB)
S06s	6320	4-2	0710	Tue	452 871 6 01405 15003 24357 60583 54545 51128 871 6 00000	USB	(AB/F5JBR)
S06s	7410	4-2	0730	Tue	427 906 5 40614 77249 40678 17976 21816 906 5 00000	USB	(AB)
S06s	11532	4-2	0740	Tue	427 906 5 40614 77249 40678 17976 21816 906 5 00000	USB	(AB)
S06s	11945	4-2	0800	Tue	127 408 5 54516 25616 56069 96813 14199 408 5 0000	USB	(AB)
S06s	13195	4-2	0810	Tue	127 408 5 54516 25616 56069 96813 14199 408 5 0000	USB	(AB-POL)
S06s	6440	4-2	1000	Tue	427 819 5 96320 36793 53038 76342 15009 819 5 00000	USB	(AB)
S06s	5660	4-2	1010	Tue	427 819 5 96320 36793 53038 76342 15009 819 5 00000	USB	(AB)
S06s	5035	4-2	1100	Tue	265 438 7 88695 78126 56351 23435 65646 29319 44567 438 7 00000	USB	(AB)
S06s	5975	4-2	1110	Tue	265 438 7 88695 78126 56351 23435 65646 29319 44567 438 7 00000	USB	(AB)
S06s	6845	4-2	1500	Tue	914 206 5 94289 15244 21541 56567 48852 206 5 00000	USB	(AB/MPJ)
S06s	9170	4-2	1510	Tue	914 206 5 94289 15244 21541 56567 48852 206 5 00000	USB	(AB/MPJ)
S06s	7062	5-2	0830	Wed	464 287 5 46062 68672 97478 39685 30485 287 5 00000	USB	(AB)
S06s	11535	5-2	0830	Wed	172 439 5 88620 58069 61732 74537 53440 439 5 00000	USB	(AB)
S06s	11830	5-2	0840	Wed	172 439 5 88620 58069 61732 74537 53440 439 5 00000	USB	(AB)
S06s	10532	5-2	0840	Wed	464 287 5 46062 68672 97478 39685 30485 287 5 00000	USB	(AB)
S06s	12365	5-2	1000	Wed	276 831 5 33796 13577 74526 46647 79302 831 5 00000	USB	(AB-G)
S06s	14280	5-2	1010	Wed	276 831 5 33796 13577 74526 46647 79302 831 5 00000	USB	(AB-G)
S06s	8812	6-2	0930	Thu	698 274 5 08631 58082 26270 09981 82718 274 5 00000	USB	(AB)
S06s	9540	6-2	0940	Thu	698 274 5 08631 58082 26270 09981 82718 274 5 00000	USB	(AB)
S06s	12155	6-2	1200	Thu	175 204 6 33314 24879 82738 26276 25584 65850 204 6 00000	USB	(AB)
S06s	10920	6-2	1210	Thu	175 204 6 33314 24879 82738 26276 25584 65850 204 6 00000	USB	(AB)
S06s	11040	7-2	0830	Fir	156 238 7 11169 03439 43548 19152 23063 36933 94934 238 7 00000	USB	(AB/HFD)
S06s	12153	7-2	0840	Fir	156 238 7 11169 03439 43548 19152 23063 36933 94934 238 7 00000	USB	(AB/HFD)
S06s	5765	7-2	0900	Fir	239 406 5 32314 34896 82738 36376 35685 406 5 00000 Distorted audio. Normal after 2 minutes.	USB	(AB)
S06s	6315	7-2	0910	Fir	239 406 5 32314 34896 82738 36376 35685 406 5 00000	USB	(AB)
S06s	13470	10-2	0630	Mon	462 895 7 57440 23247 86945 21816 22536 09822 34694 895 7 00000	USB	(AB-POL)
S06s	16515	10-2	0640	Mon	462 895 7 57440 23247 86945 21816 22536 09822 34694 895 7 00000	USB	(AB-POL)

S06s	8057	10-2	0830	Mon	764 831 5 52401 63919 92699 14600 74248 831 5 00000	USB	(AB)
S06s	8530	10-2	0840	Mon	764 831 5 52401 63919 92699 14600 74248 831 5 00000	USB	(AB)
S06s	14675	10-2	0900	Mon	232 467 5 48754 65125 42979 84648 42035 467 5 00000	USB	(AB)
S06s	16515	10-2	0910	Mon	232 467 5 48754 65125 42979 84648 42035 467 5 00000	USB	(AB)
S06s	8420	10-2	1300	Mon	149 836 5 95051 13808 71909 83981 24035 836 5 00000	USB	(AB)
S06s	10635	10-2	1310	Mon	149 836 5 95051 13808 71909 83981 24035 836 5 00000	USB	(AB)
S06s	5250	11-2	0700	Tue	452 871 6 01405 15003 24357 60583 54545 51128 871 6 00000	USB	(AB)
S06s	6320	11-2	0710	Tue	452 871 6 01405 15003 24357 60583 54545 51128 871 6 00000	USB	(AB)
S06s	7410	11-2	0730	Tue	427 906 5 40614 77249 40678 17976 21816 906 5 00000	USB	(AB)
S06s	11532	11-2	0740	Tue	427 906 5 40614 77249 40678 17976 21816 906 5 00000	USB	(AB)
S06s	11945	11-2	0800	Tue	127 408 5 54516 25616 56069 96813 14199 408 5 0000	USB	(AB-POL)
S06s	13195	11-2	0810	Tue	127 408 5 54516 25616 56069 96813 14199 408 5 0000	USB	(AB-POL)
S06s	6440	11-2	1000	Tue	427 819 5 96320 36793 53038 76342 15009 819 5 00000	USB	(AB)
S06s	5660	11-2	1010	Tue	427 819 5 96320 36793 53038 76342 15009 819 5 00000	USB	(AB)
S06s	5035	11-2	1100	Tue	265 438 7 88695 78126 56351 23435 65646 29319 44567 438 7 00000	USB	(AB)
S06s	5975	11-2	1110	Tue	265 438 7 88695 78126 56351 23435 65646 29319 44567 438 7 00000	USB	(AB)
S06s	6845	11-2	1500	Tue	914 206 5 94289 15244 21541 56567 48852 206 5 00000	USB	(AB)
S06s	9170	11-2	1510	Tue	914 206 5 94289 15244 21541 56567 48852 206 5 00000	USB	(AB)
S06s	7062	12-2	0830	Wed	464 287 5 46062 68672 97478 39685 30485 287 5 00000	USB	(AB)
S06s	11535	12-2	0830	Wed	172 439 5 88620 58069 61732 74537 53440 439 5 00000	USB	(AB)
S06s	11830	12-2	0840	Wed	172 439 5 88620 58069 61732 74537 53440 439 5 00000	USB	(AB)
S06s	10532	12-2	0840	Wed	464 287 5 46062 68672 97478 39685 30485 287 5 00000	USB	(AB)
S06s	12365	12-2	1000	Wed	276 831 5 33796 13577 74526 46647 79302 831 5 00000	USB	(AB)
S06s	14280	12-2	1010	Wed	276 831 5 33796 13577 74526 46647 79302 831 5 00000	USB	(AB)
S06s	8812	13-2	0930	Thu	698 274 5 08631 58082 26270 09981 82718 274 5 00000	USB	(AB)
S06s	9540	13-2	0940	Thu	698 274 5 08631 58082 26270 09981 82718 274 5 00000	USB	(AB)
S06s	12155	13-2	1200	Thu	175 204 6 33314 24879 82738 26276 25584 65850 204 6 00000	USB	(AB/MPJ)
S06s	10920	13-2	1210	Thu	175 204 6 33314 24879 82738 26276 25584 65850 204 6 00000	USB	(AB/MPJ)
S06s	11040	14-2	0830	Fir	156 238 7 11169 03439 43548 19152 23063 36933 94934 238 7 00000	USB	(AB)
S06s	12153	14-2	0840	Fir	156 238 7 11169 03439 43548 19152 23063 36933 94934 238 7 00000	USB	(AB)
S06s	5765	14-2	0900	Fir	239 406 5 32314 34896 82738 36376 35685 406 5 00000	USB	(AB)
S06s	6315	14-2	0910	Fir	239 406 5 32314 34896 82738 36376 35685 406 5 00000	USB	(AB)
S06s	13470	17-2	0630	Mon	462 913 5 88133 03684 31960 82397 52094 913 5 00000	USB	(AB-POL)
S06s	16515	17-2	0640	Mon	462 913 5 88133 03684 31960 82397 52094 913 5 00000	USB	(AB-POL)
S06s	8057	17-2	0830	Mon	764 809 5 80113 13680 24519 33226 36362 809 5 00000	USB	(AB)
S06s	8530	17-2	0840	Mon	764 809 5 80113 13680 24519 33226 36362 809 5 00000	USB	(AB)
S06s	14675	17-2	0900	Mon	232 476 5 04731 60677 77532 61912 06987 476 5 00000	USB	(AB-UKR)
S06s	16515	17-2	0910	Mon	232 476 5 04731 60677 77532 61912 06987 476 5 00000	USB	(AB-UKR)
S06s	8420	17-2	1300	Mon	149 238 5 61719 58150 87639 92294 17231 238 5 00000	USB	(AB/MPJ)
S06s	10635	17-2	1310	Mon	149 238 5 61719 58150 87639 92294 17231 238 5 00000	USB	(AB/MPJ)

S06s	16145	18-2	0600	Tue	438 569 7 05331 74726 28759 12347 04392 62903 62480 569 7 00000	USB	(AB-FIN)
S06s	14240	18-2	0610	Tue	438 569 7 05331 74726 28759 12347 04392 62903 62480 569 7 00000	USB	(AB-S)
S06s	5250	18-2	0700	Tue	452 907 6 76277 17781 99657 73026 56242 24127 907 6 00000	USB	(AB)
S06s	6320	18-2	0710	Tue	452 907 6 76277 17781 99657 73026 56242 24127 907 6 00000	USB	(AB)
S06s	7410	18-2	0730	Tue	427 981 5 49752 08251 89751 87844 55146 981 5 00000	USB	(AB)
S06s	11532	18-2	0740	Tue	427 981 5 49752 08251 89751 87844 55146 981 5 00000	USB	(AB)
S06s	11945	18-2	0800	Tue	127 846 5 49848 40527 08280 81987 05991 846 5 00000	USB	(AB-FIN)
S06s	13195	18-2	0810	Tue	127 846 5 49848 40527 08280 81987 05991 846 5 00000	USB	(AB-POL)
S06s	6440	18-2	1000	Tue	427 963 5 00269 50333 52094 66676 04464 963 5 00000	USB	(AB)
S06s	5660	18-2	1010	Tue	427 963 5 00269 50333 52094 66676 04464 963 5 00000	USB	(AB)
S06s	5035	18-2	1100	Tue	265 893 7 80187 32129 47821 52225 25349 04910 73669 893 7 00000	USB	(AB)
S06s	5975	18-2	1110	Tue	265 893 7 80187 32129 47821 52225 25349 04910 73669 893 7 00000	USB	(AB)
S06s	6845	18-2	1500	Tue	914 867 5 74059 55136 48836 31070 05527 867 5 00000	USB	(AB)
S06s	9170	18-2	1510	Tue	914 867 5 74059 55136 48836 31070 05527 867 5 00000	USB	(AB)
S06s	11535	19-2	0830	Wed	172 408 5 45478 59849 85286 34173 00259 408 5 00000	USB	(AB)
S06s	7062	19-2	0830	Wed	464 935 7 18368 16317 97149 87239 73458 63387 66676 935 7 00000	USB	(AB)
S06s	10532	19-2	0840	Wed	464 935 7 18368 16317 97149 87239 73458 63387 66676 935 7 00000	USB	(AB)
S06s	11830	19-2	0840	Wed	172 408 5 45478 59849 85286 34173 00259 408 5 00000	USB	(AB)
S06s	12365	19-2	1000	Wed	276 489 5 41136 54856 42681 67037 34036 489 5 00000	USB	(AB)
S06s	14280	19-2	1010	Wed	276 489 5 41136 54856 42681 67037 34036 489 5 00000	USB	(AB)
S06s	8812	20-2	0930	Thu	698 410 5 82045 36717 24042 75956 31670 410 5 00000	USB	(AB)
S06s	9540	20-2	0940	Thu	698 410 5 82045 36717 24042 75956 31670 410 5 00000	USB	(AB)
S06s	12155	20-2	1200	Thu	175 209 6 95225 84090 09531 88430 33240 61135 209 6 00000	USB	(AB)
S06s	10920	20-2	1210	Thu	175 209 6 95225 84090 09531 88430 33240 61135 209 6 00000	USB	(AB)
S06s	11040	21-2	0830	Fir	156 934 7 80113 13680 24519 33226 36362 37632 40047 934 7 00000	USB	(AB)
S06s	12153	21-2	0840	Fir	156 934 7 80113 13680 24519 33226 36362 37632 40047 934 7 00000	USB	(AB)
S06s	5765	21-2	0900	Fir	239 871 5 56401 68858 17106 77456 65018 871 5 00000	USB	(AB)
S06s	6315	21-2	0910	Fir	239 871 5 56401 68858 17106 77456 65018 871 5 00000	USB	(AB)
S06s	13470	24-2	0630	Mon	462 913 5 88133 03684 31960 82397 52094 913 5 00000	USB	(AB-POL)
S06s	16515	24-2	0640	Mon	462 913 5 88133 03684 31960 82397 52094 913 5 00000	USB	(AB-POL)
S06s	8057	24-2	0830	Mon	764 809 5 80113 13680 24519 33226 36362 809 5 00000	USB	(AB)
S06s	8530	24-2	0840	Mon	764 809 5 80113 13680 24519 33226 36362 809 5 00000	USB	(AB)
S06s	14675	24-2	0900	Mon	232 476 5 04731 60677 77532 61912 06987 476 5 00000	USB	(AB-POL)
S06s	16515	24-2	0910	Mon	232 476 5 04731 60677 77532 61912 06987 476 5 00000	USB	(AB-UKR)
S06s	8420	24-2	1300	Mon	149 238 5 61719 58150 87639 92294 17231 238 5 00000	USB	(AB/MPJ)
S06s	10635	24-2	1310	Mon	149 238 5 61719 58150 87639 92294 17231 238 5 00000	USB	(AB/MPJ)
S06s	16145	25-2	0600	Tue	438 569 7 05331 74726 28759 12347 04392 62903 62480 569 7 00000	USB	(AB-KWT)
S06s	14240	25-2	0610	Tue	438 569 7 05331 74726 28759 12347 04392 62903 62480 569 7 00000	USB	(AB-KWT)
S06s	5250	25-2	0700	Tue	452 907 6 76277 17781 99657 73026 56242 24127 907 6 00000	USB	(AB)
S06s	6320	25-2	0710	Tue	452 907 6 76277 17781 99657 73026 56242 24127 907 6 00000	USB	(AB)

S06s	7410	25-2	0730	Tue	427 981 5 49752 08251 89751 87844 55146 981 5 00000	USB	(AB)
S06s	11532	25-2	0740	Tue	427 981 5 49752 08251 89751 87844 55146 981 5 00000	USB	(AB)
S06s	11945	25-2	0800	Tue	127 846 5 49848 40527 08280 81987 05991 846 5 00000	USB	(AB)
S06s	13195	25-2	0810	Tue	127 846 5 49848 40527 08280 81987 05991 846 5 00000	USB	(AB-POL)
S06s	6440	25-2	1000	Tue	427 963 5 00269 50333 52094 66676 04464 963 5 00000	USB	(AB)
S06s	5660	25-2	1010	Tue	427 963 5 00269 50333 52094 66676 04464 963 5 00000	USB	(AB)
S06s	5035	25-2	1100	Tue	265 893 7 80187 32129 47821 52225 25349 04910 73669 893 7 00000	USB	(AB)
S06s	5975	25-2	1110	Tue	265 893 7 80187 32129 47821 52225 25349 04910 73669 893 7 00000	USB	(AB)
S06s	6845	25-2	1500	Tue	914 867 5 74059 55136 48836 31070 05527 867 5 00000	USB	(AB/MPJ)
S06s	9170	25-2	1510	Tue	914 867 5 74059 55136 48836 31070 05527 867 5 00000	USB	(AB/MPJ)
S06s	11535	26-2	0830	Wed	172 408 5 45478 59849 85286 34173 00259 408 5 00000	USB	(AB)
S06s	7062	26-2	0830	Wed	464 935 7 18368 16317 97149 87239 73458 63387 66676 935 7 00000	AM	(AB)
S06s	11830	26-2	0840	Wed	172 408 5 45478 59849 85286 34173 00259 408 5 00000	USB	(AB)
S06s	10532	26-2	0840	Wed	464 935 7 18368 16317 97149 87239 73458 63387 66676 935 7 00000	AM	(AB)
S06s	12365	26-2	1000	Wed	276 489 5 41136 54856 42681 67037 34036 489 5 00000	USB	(AB)
S06s	14280	26-2	1010	Wed	276 489 5 41136 54856 42681 67037 34036 489 5 00000	USB	(AB)
S06s	8812	27-2	0930	Thu	698 410 5 82045 36717 24042 75956 31670 410 5 00000	USB	(AB)
S06s	9540	27-2	0940	Thu	698 410 5 82045 36717 24042 75956 31670 410 5 00000	USB	(AB)
S06s	12155	27-2	1200	Thu	175 209 6 95225 84090 09531 88430 33240 61135 209 6 00000	USB	(AB)
S06s	10920	27-2	1210	Thu	175 209 6 95225 84090 09531 88430 33240 61135 209 6 00000	USB	(AB)
S06s	11040	28-2	0830	Fir	156 934 7 80113 13680 24519 33226 36362 37632 40047 934 7 00000	USB	(AB)
S06s	12153	28-2	0840	Fir	156 934 7 80113 13680 24519 33226 36362 37632 40047 934 7 00000	USB	(AB)
S06s	5765	28-2	0900	Fir	239 871 5 56401 68858 17106 77456 65018 871 5 00000	USB	(AB)
S06s	6315	28-2	0910	Fir	239 871 5 56401 68858 17106 77456 65018 871 5 00000	USB	(AB)
S11a	4505	1-2	0715	Sat	121/30 Vnimanije 32167 96813 06068 ... 61000 68797 01356 Vnimanije (message repeated) Konets	USB	(AB)
S11a	9057	3-2	0510	Mon	654/37 Vnimanije 45225 75711 14678 ... 52232 63564 39012 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	9050	3-2	0700	Mon	472/00	USB	(AB/ES)
S11a	4242	3-2	0915	Mon	482/00	USB	(AB)
S11a	7600	4-2	1020	Tue	421/00	USB	(AB)
S11a	9057	5-2	0510	Wed	654/37 Vnimanije 45225 75711 14678 ... 52232 63564 39012 Vnimanije (message repeated) Konets	USB	(AB)
S11a	5371	5-2	1100	Wed	372/00	USB	(AB)
S11a	11486	5-2	1850	Wed	284/00	USB	(AB)
S11a	9050	6-2	0700	Thu	477/00	USB	(AB)
S11a	4242	7-2	0915	Fir	485/00	USB	(AB)
S11a	7600	7-2	1020	Fir	425/00	USB	(AB)
S11a	5371	7-2	1100	Fir	371/00	USB	(AB)
S11a	11486	8-2	1850	Sat	288/00	USB	(MPJ)
S11a	9057	10-2	0510	Mon	657/00	USB	(AB-POL)
S11a	9050	10-2	0700	Mon	471/39 Vnimanije 27023 16800 94930 ... 12987 24149 40522 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	4242	10-2	0915	Mon	480/00	USB	(AB)

S11a	7600	11-2	1020	Tue	424/00	USB	(AB)
S11a	9057	12-2	0510	Wed	654/00	USB	(AB)
S11a	5371	12-2	1100	Wed	370/00	USB	(AB)
S11a	11486	12-2	1850	Wed	282/31 Vnimanije 76638 05288 40807 ... 26643 04138 85150 Vnimanije (message repeated) Out	USB	(AB-POL)
S11a	9050	13-2	0700	Thu	471/39 Vnimanije 27023 16800 94930 ... 12987 24149 40522 Vnimanije (message repeated) Konets	USB	(AB-POL)
S11a	4242	14-2	0915	Fir	487/00	USB	(AB)
S11a	7600	14-2	1020	Fir	428/40 Vnimanije 16124 63842 53274 ... 02942 80484 93546 Vnimanije (message repeated) Konets	USB	(AB)
S11a	5371	14-2	1100	Fir	378/00	USB	(AB)
S11a	11486	15-2	1850	Sat	282/31 Vnimanije 76638 05288 40807 ... 26643 04138 85150 Vnimanije (message repeated) Out	USB	(AB)
S11a	9057	17-2	0510	Mon	655/00	USB	(AB-POL)
S11a	9050	17-2	0700	Mon	470/00	USB	(AB-POL)
S11a	4242	17-2	0915	Mon	485/31 Vnimanije 06340 93423 38988 ... 16671 53437 31692 Vnimanije (message repeated) Konets	USB	(AB)
S11a	7600	18-2	1020	Tue	428/40 Vnimanije 16124 63842 53274 ... 02942 80484 93546 Vnimanije (message repeated) Konets	USB	(AB)
S11a	9057	19-2	0510	Wed	652/00	USB	(AB)
S11a	5371	19-2	1100	Wed	373/32 Vnimanije 85825 13183 52958 ... 98700 16946 03911 Vnimanije (message repeated) Konets	USB	(AB)
S11a	11486	19-2	1850	Wed	286/00	USB	(AB-POL)
S11a	9050	20-2	0700	Thu	470/00	USB	(AB-POL)
S11a	4242	21-2	0915	Fir	485/31 Vnimanije 06340 93423 38988 ... 16671 53437 31692 Vnimanije (message repeated) Konets	USB	(AB)
S11a	7600	21-2	1020	Fir	429/00	USB	(AB)
S11a	5371	21-2	1100	Fir	373/32 Vnimanije 85825 13183 52958 ... 98700 16946 03911 Vnimanije (message repeated) Konets	USB	(AB)
S11a	11486	22-2	1850	Sat	288/00	USB	(AB-POL)
S11a	9057	24-2	0510	Mon	650/00	USB	(AB-POL)
S11a	9050	24-2	0700	Mon	479/00	USB	(AB-POL)
S11a	4242	24-2	0915	Mon	485/00	USB	(AB)
S11a	7600	25-2	1020	Tue	426/31 Vnimanije 61668 84913 88249 ... 58934 79779 05819 Vnimanije (message repeated) Konets	USB	(AB)
S11a	9057	26-2	0510	Wed	659/00	USB	(AB-POL)
S11a	5371	26-2	1100	Wed	372/00	USB	(AB)
S11a	11486	26-2	1850	Wed	284/00	USB	(AB-POL/MPJ)
S11a	9050	27-2	0700	Thu	479/00	USB	(AB-POL)
S11a	4242	28-2	0915	Fir	482/00	USB	(AB)
S11a	7600	28-2	1020	Fir	426/31 Vnimanije 61668 84913 88249 ... 58934 79779 05819 Vnimanije (message repeated) Konets	USB	(AB)
S11a	5371	28-2	1100	Fir	373/00	USB	(AB)
S11a	11486	29-2	1850	Sat	281/00	USB	(AB-POL/MPJ)
S28	9250	5-2	1118	Wed	Buzzer channel marker. Harmonic of 4625 kHz	USB	(AB)
S28	4625	5-2	1118	Wed	Buzzer channel marker. Harmonic on 9250 kHz	USB	(AB)
S28	4625	7-2	0719	Fir	Buzzer channel marker. Harmonic on 9250 kHz	USB	(AB)
S28	9250	7-2	0719	Fir	Buzzer channel marker. Harmonic of 4625 kHz	USB	(AB)
S28	4625	7-2	2119	Fir	Russian military: Buzzer channel marker	USB	(AB)
S28	9250	9-2	0900	Sun	Buzzer channel marker. Harmonic of 4625 kHz	USB	(AB)
S28	9250	10-2	0742	Mon	Buzzer channel marker. Harmonic of 4625 kHz	USB	(AB)

S28	9250	12-2	0957	Wed	Buzzer channel marker. Harmonic of 4625 kHz	USB	(AB)
S28	4625	13-2	2127	Thu	Russian military. Buzzer channel marker	USB	(AB)
S28	4625	15-2	0510	Sat	Buzzer channel marker	USB	(BW3)
S30	3756	5-2	1700	Wed	97323 BORTOGOD 5221 2171	USB	(Gwr)
S30	5448	6-2	1014	Thu	8MUO TUZR 5J7Shch DMC3 49FT C2ZA ShchGJP TZLM FY5Ye F61N	USB	(Gwr)
S30	5448	6-2	1057	Thu	8S1Shch 63805 D'YaKODIM 9886 0840	USB	(Gwr)
S30	6922	6-2	1101	Thu	8S1Shch 47878 KRAPINKA 3110 3340 4940	USB	(Gwr)
S30	6922	6-2	1104	Thu	8S1Shch 24992 IMBIRNYJ 5734 5928	USB	(Gwr)
S30	6922	6-2	1106	Thu	8S1Shch 73626 KLIKOLGU 5029 0857	USB	(Gwr)
S30	6922	6-2	1117	Thu	8S1Shch 35184 MENOLYaZG 1827 2271 (no follow up from squeaky wheel)	USB	(Gwr)
S30	3756	6-2	1515	Thu	8S1Shch 22371 ZOVoLYaZG 3988 0782	USB	(Gwr)
S30	3756	6-2	1640	Thu	37CN MUDR 7VNSHch Zh7NZh YMA5 VTH3 AGDT 'U1B OSOG BO6C	USB	(Gwr)
S30	3756	7-2	2119	Fir	Russian military: Pip channel marker	USB	(AB)
S30	5448	13-2	0950	Thu	8S1Shch 79423 APAShOZhLOB 8697 0680	USB	(Gwr)
S30	5448	13-2	1129	Thu	8S1Shch 01906 NARDOMYuL' 0921 4606	USB	(Gwr)
S30	3756	13-2	2126	Thu	Russian military. Pip channel marker	USB	(AB)
S30	5448	14-2	1156	Fir	6OBC HCBF 75456 86800 ZhYeMANNICA 5617 9110 MALAHAJ 3244 9326 no follow up from S32	USB	(Gwr)
S30	3756	14-2	1651	Fir	Y8VM 6I2Zh 8CSHchJ 27Shch' N1DU 53OB 78MV DYeAY JH'J 12CI	USB	(Gwr)
S30	5448	20-2	1018	Thu	8S1Shch AVANTYuRIZM 5545	USB	(Gwr)
S30	5448	20-2	1047	Thu	8S1Shch 08971 MORION 5905 4884	USB	(Gwr)
S30	5448	20-2	1320	Thu	PMV5 L'GJ KZI' TShchShchS VKY1 HCLF 61HZh ZBIL L7O5 V'Z'	USB	(Gwr)
S30	5448	26-2	1121	Wed	8S1Shch 37570 MYeNZUL'NYJ 8163 3867	USB	(Gwr)
S30	5448	28-2	1250	Fir	8S1Shch 70946 DIOPTRIKA 5675 9056	USB	(Gwr)
S30	5448	28-2	1300	Fir	8S1Shch 96843 VOROVATYJ 7955 0548	USB	(Gwr)
S32	5473	5-2	1708	Wed	AlÆfa-45 91602 PLAC 0701 4452	USB	(Gwr)
S32	5473	6-2	1104	Thu	Al'fa-45 37805 GASHYeNYJ 0113 9772	USB	(Gwr)
S32	5473	6-2	1109	Thu	Al'fa-45 82196 GYeTMANSKIJ 0807 7688	USB	(Gwr)
S32	5473	6-2	1114	Thu	Al'fa-45 17082 KOSMOGRAFIYa 3047 9827	USB	(Gwr)
S32	5473	6-2	1116	Thu	Al'fa-45 46698 MARTODZhUT 3446 0231	USB	(Gwr)
S32	5473	6-2	1520	Thu	Al'fa-45 48142 ZAKROJShchICA 4377 1087	USB	(Gwr)
S32	3828	7-2	2119	Fir	Russian military: Squeaky Wheel channel marker	USB	(AB)
S32	5473	13-2	0945	Thu	Al'fa-45 00189 LYuFTOZMYeJ 8493 8652	USB	(Gwr)
S32	5473	13-2	1137	Thu	Al'fa-45 28113 ANARHICHNYJ 7500 1405	USB	(Gwr)
S32	3838	13-2	2126	Thu	Russian military. Squeaky Wheel channel marker	USB	(AB)
S32	5473	20-2	1030	Thu	Al'fa-45 BANDARKA 9674	USB	(Gwr)
S32	5473	20-2	1052	Thu	Al'fa-45 94818 KAPITAL 3213 0561	USB	(Gwr)
S32	5473	26-2	1125	Wed	Al'fa-45 47780 KLYuVOChAN 0872 3501	USB	(Gwr)
S32	5473	27-2	1128	Thu	Al'fa-45 43003 GURTROTAT 3967 0668 Independent message. No S30 message beforehand, no Vega-33 afterwards.	USB	(Gwr)

S32	5473	28-2	1255	Fir	Al'fa-45 43030 GURTROTAT 3967 0669. Same as 27-2 with header slightly changed and last digit incremented by one!!	USB	(Gwr)
S32	5473	28-2	1305	Fir	Al'fa-45 83631 NAPRYaZhYeNIYe 6514 6851	USB	(Gwr)
UM03	7920	15-2	0730	Sat	X2M i.p. AR 51 51 CK 100 CK 100 TIME 0231 TIME 0231 DATE 1602 DATE 1602 = YNPEK LBRTI ACTIL ... on 7920, 8250, 8410 kHz	CW	(JPL-HK)
UM03	8250	15-2	0730	Sat	X2M i.p. AR 51 51 CK 100 CK 100 TIME 0231 TIME 0231 DATE 1602 DATE 1602 = YNPEK LBRTI ACTIL ... on 7920, 8250, 8410 kHz	CW	(JPL-HK)
UM03	8410	15-2	0730	Sat	X2M i.p. AR 51 51 CK 100 CK 100 TIME 0231 TIME 0231 DATE 1602 DATE 1602 = YNPEK LBRTI ACTIL ... on 7920, 8250, 8410 kHz	CW	(JPL-HK)
UM03	5525	18-2	1206	Tue	i.p. VVV HRP (x3) DE P3B (x2) NP1 DE U6S DIUBS VV R VDE R QSA 2 QSA ?	CW	(JPL-HK)
UM10	5735	2-2	0212	Sun	10-minutes net: AK3F //6795 kHz (new callsign)	CW	(JPL-CHN)
UM10	6795	2-2	0212	Sun	10-minutes net: AK3F //5735 kHz (new callsign)	CW	(JPL-CHN)
UM10	5735	2-2	0745	Sun	10-minutes net: AK3F //6795 kHz	CW	(JPL-CHN)
UM10	6795	2-2	0745	Sun	10-minutes net: AK3F //5735 kHz	CW	(JPL-CHN)
UM10	3207	2-2	1312	Sun	10-minutes net: OBCD	CW	(JPL-J)
UM10	3860	2-2	1312	Sun	10-minutes net: L6YC	CW	(JPL-CHN)
UM10	3207	2-2	1811	Sun	10-minutes net: OBCD	CW	(JPL-RUS)
UM10	3207	2-2	2142	Sun	10-minutes net: OBCD	CW	(JPL-RUS)
UM10	3124	7-2	1214	Fir	10-minutes net: DEJF	CW	(JPL-RUS)
UM10	3124	7-2	1542	Fir	10-minutes net: DEJF //3750 kHz	CW	(JPL-RUS)
UM10	3750	7-2	1542	Fir	10-minutes net: DEJF //3124 kHz	CW	(JPL-RUS)
UM10	3263	7-2	1633	Fir	10-minutes net: Q7JN	CW	(JPL-RUS)
UM10	3263	10-2	1604	Mon	10-minutes net: Q7JN	CW	(JPL-RUS)
UM10	3263	10-2	1957	Mon	10-minutes net: Q7JN	CW	(JPL-RUS)
UM10	3124	10-2	2011	Mon	10-minutes net: DEJF	CW	(JPL-RUS)
UM10	3263	12-2	2004	Wed	10-minutes net: Q7JN	CW	(JPL-CHN)
UM10	3124	12-2	2013	Wed	10-minutes net: DEJF	CW	(JPL-CHN)
UM10	3124	13-2	2014	Thu	10-minutes net: DEJF	CW	(JPL-J)
UM10	6859	15-2	1702	Sat	10-minutes net: DIBE (new callsign/frequency)	CW	(JPL-CHN)
UM10	5765	15-2	1706	Sat	10-minutes net: YJDN	CW	(JPL-CHN)
UM10	3124	15-2	1713	Sat	10-minutes net: DEJF	CW	(JPL-CHN)
UM10	3245	15-2	1727	Sat	10-minutes net: Q7JN	CW	(JPL-CHN)
UM10	3263	27-2	1933	Thu	10-minutes net: Q7JN	CW	(JPL-RUS)
V07	15874	9-2	0100	Sun	878 878 878 000	USB	(Dan/RL)
V07	14774	9-2	0120	Sun	878 878 878 000	USB	(Dan)
V07	15874	16-2	0100	Sun	878 878 878 1 3503 156 3503 156 11861 47534 75061 ... 02999 32057 21122 000 000	USB	(Dan)
V07	14774	16-2	0124	Sun	Transmitter came up but no transmission	USB	(Dan)
V07	13874	16-2	0149	Sun	Transmission started in mid message	USB	(Dan)
V07	15874	23-2	0100	Sun	878 878 878 1 8245 162 31798 15694 26632 ... 84268 57158 37942 000 000	USB	(Dan)
V07	14774	23-2	0120	Sun	878 878 878 1 8245 162 31798 15694 26632 ... 84268 57158 37942 000 000	USB	(Dan)

V07	13874	23-2	0145	Sun	878 878 878 1 8245 162 31798 15694 26632 ... 84268 57158 37942 000 000	USB	(Dan)
V26	4364	7-2	1203	Fri	XSV85. Switch to voice. Repeats M95's messages //8073	USB	(JPL)
V26	8073	7-2	1203	Fri	XSV85. Switch to voice. Repeats M95's messages //4364	USB	(JPL)
V26	4243	7-2	1225	Fri	Switch to voice. Repeats M95's messages //9054	USB	(JPL)
V26	9054	7-2	1225	Fri	Switch to voice. Repeats M95's messages //4243	USB	(JPL)
V26	9054	11-2	0915	Tue	Repeat of M95 messages in Chinese. Female operator	USB	(JPL)
V26	4364	15-2	1131	Sat	Callup in Chinese. Male operator //8073	USB	(JPL)
V26	4243	15-2	1214	Sat	Switched to Chinese voice. Female operator. Repeating Q26/M95 messages //9054	USB	(JPL)
V26	9054	15-2	1214	Sat	Switched to Chinese voice. Female operator. Repeating Q26/M95 messages //4243	USB	(JPL)
V26	4243	16-2	1227	Sun	Switched to Chinese voice. Female operator. Repeating M95 messages	USB	(JPL)
V26	3178	18-2	1228	Tue	Switched to voice. Male Operator. Chinese talk	USB	(JPL)
V28	3047	6-2	2100	Thu	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	2994	6-2	2100	Thu	Parrot. Messages in Korean. Male operator	AM	(HK)
V28	4483	6-2	2100	Thu	Parrot. Female operator. Test 1-2- ... At 2108z female operator	AM	(HK)
V28	2935	8-2	0900	Sat	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	3524.5	8-2	0900	Sat	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	4629.4	8-2	0900	Sat	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	5146.6	8-2	0900	Sat	Parrot. Messages in Korean. Female operator	AM	(HK)
V28	2997	12-2	2105	Wed	Parrot. Messages in Korean	USB	(HK)
V28	3048	12-2	2105	Wed	Parrot. Messages in Korean	USB	(HK)
V28	3048	16-2	2101	Sun	Parrot. Messages in Korean	AM	(HK)
V28	2996	16-2	2104	Sun	Parrot. Messages in Korean	AM	(HK)
X06	11514	14-2	0954	Fir	MFA Moscow clg 124356: Russian embassy Dushanbe	MFSK-6	(Danix)
X06	12215	21-2	1002	Fir	MFA Moscow clg 361245: Russian embassy Copenhagen ended 1004z	MFSK-6	(AB)
X06b	13387	3-2	0700	Mon	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	8147	7-2	1548	Fir	Sequence 111666 before E07a	MFSK-6	(AB)
X06b	9347	7-2	1549	Fir	Sequence 111666 before E07a	MFSK-6	(AB)
X06b	9326	9-2	0629	Sun	Sequence 111666 before E07	MFSK-6	(AB)
X06b	4739	12-2	1919	Wed	Sequence 111666	MFSK-6	(AB)
X06b	9347	14-2	1522	Fir	Sequence 111666 before E07a	MFSK-6	(AB)
X06b	8147	14-2	1525	Fir	Sequence 111666 before E07a	MFSK-6	(AB)
X06b	9347	14-2	1525	Fir	Sequence 111666 before E07a	MFSK-6	(AB)
X06b	13397	18-2	0704	Tue	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	13397	18-2	0706	Tue	Sequence 111666 before XPA2	MFSK-6	(AB)
X06b	9347	21-2	1505	Fir	Sequence 111666 before E07a	MFSK-6	(AB)
X06b	8147	21-2	1505	Fir	Sequence 111666 before E07a	MFSK-6	(AB)
XPA1	13397	4-2	0810	Tue	143 143 143 000 05111 00001 00000 32256	MFSK-20/10Bd	(AB)
XPA1	14413	4-2	0830	Tue	143 143 143 000 05111 00001 00000 32256	MFSK-20/10Bd	(AB)
XPA1	15972	4-2	0850	Tue	143 143 143 000 05111 00001 00000 32256	MFSK-20/10Bd	(AB)
XPA1	13397	6-2	0810	Thu	143 143 143 000 09210 00001 00000 32262	MFSK-20/10Bd	(AB/HFD)

XPA1	14413	6-2	0830	Thu	143 143 143 000 09210 00001 00000 32262	MFSK-20/10Bd	(AB/HFD)
XPA1	15972	6-2	0850	Thu	143 143 143 000 09210 00001 00000 32262	MFSK-20/10Bd	(AB/HFD)
XPA1	13397	11-2	0810	Tue	143 143 143 000 09946 00001 00000 40665	MFSK-20/10Bd	(AB)
XPA1	14413	11-2	0830	Tue	143 143 143 000 09946 00001 00000 40665	MFSK-20/10Bd	(AB)
XPA1	15972	11-2	0850	Tue	143 143 143 000 09946 00001 00000 40665	MFSK-20/10Bd	(AB)
XPA1	13397	13-2	0810	Thu	143 143 143 000 02317 00001 00000 36253	MFSK-20/10Bd	(AB)
XPA1	14413	13-2	0830	Thu	143 143 143 000 02317 00001 00000 36253	MFSK-20/10Bd	(AB)
XPA1	15972	13-2	0850	Thu	143 143 143 000 02317 00001 00000 36253	MFSK-20/10Bd	(AB)
XPA1	13397	18-2	0810	Tue	143 143 143 000 02875 00001 00000 37661	MFSK-20/10Bd	(AB)
XPA1	14413	18-2	0830	Tue	143 143 143 000 02875 00001 00000 37661	MFSK-20/10Bd	(AB)
XPA1	15972	18-2	0850	Tue	143 143 143 000 02875 00001 00000 37661	MFSK-20/10Bd	(AB)
XPA1	13397	20-2	0810	Thu	143 143 143 000 02866 00001 00000 40260	MFSK-20/10Bd	(AB)
XPA1	14413	20-2	0830	Thu	143 143 143 000 02866 00001 00000 40260	MFSK-20/10Bd	(AB)
XPA1	15972	20-2	0850	Thu	143 143 143 000 02866 00001 00000 40260	MFSK-20/10Bd	(AB)
XPA1	13397	25-2	0810	Tue	143 143 143 000 05034 00001 00000 33260	MFSK-20/10Bd	(AB)
XPA1	14413	25-2	0830	Tue	143 143 143 000 05034 00001 00000 33260	MFSK-20/10Bd	(AB)
XPA1	15972	25-2	0850	Tue	143 143 143 000 05034 00001 00000 33260	MFSK-20/10Bd	(AB)
XPA1	13397	27-2	0810	Thu	143 143 143 000 02092 00001 00000 32263	MFSK-20/10Bd	(AB)
XPA1	14413	27-2	0830	Thu	143 143 143 000 02092 00001 00000 32263	MFSK-20/10Bd	(AB)
XPA1	15972	27-2	0850	Thu	143 143 143 000 02092 00001 00000 32263	MFSK-20/10Bd	(AB)
XPA2	16146	1-2	0910	Sat	07586 00001 00000 36667	MFSK-16/20Bd	(AB/HFD)
XPA2	15846	1-2	0930	Sat	07586 00001 00000 36667	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	14446	1-2	0950	Sat	07586 00001 00000 36667	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	11461	1-2	1600	Sat	07117 00285 63301 ... 23504 36108 56456	MFSK-20/10Bd	(AB/MPJ/HFD)
XPA2	10261	1-2	1620	Sat	07117 00285 63301 ... 23504 36108 56456	MFSK-20/10Bd	(AB/MPJ/HFD)
XPA2	9161	1-2	1640	Sat	07117 00285 63301 ... 23504 36108 56456	MFSK-20/10Bd	(AB/MPJ/HFD)
XPA2	13387	3-2	0800	Mon	00173 00100 18237 ... 64560 79044 76511	MFSK-16/20Bd	(AB)
XPA2	13887	3-2	0820	Mon	00173 00100 18237 ... 64560 79044 76511	MFSK-16/20Bd	(AB)
XPA2	14787	3-2	0840	Mon	00173 00100 18237 ... 64560 79044 76511	MFSK-16/20Bd	(AB)
XPA2	16102	3-2	0910	Mon	06333 00200 25899 ... 68493 88546 05560	MFSK-16/20Bd	(AB)
XPA2	14951	3-2	0930	Mon	06333 00200 25899 ... 68493 88546 05560	MFSK-16/20Bd	(AB)
XPA2	13991	3-2	0950	Mon	06333 00200 25899 ... 68493 88546 05560	MFSK-16/20Bd	(AB/RL)
XPA2	11461	3-2	1600	Mon	09426 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	10261	3-2	1620	Mon	09426 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	9161	3-2	1640	Mon	09426 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	11163	4-2	1200	Tue	06665 00096 30203 ... 27626 95138 11632	MFSK-16/20Bd	(AB)
XPA2	13362	4-2	1220	Tue	06665 00096 30203 ... 27626 95138 11632	MFSK-16/20Bd	(AB)
XPA2	14563	4-2	1240	Tue	06665 00096 30203 ... 27626 95138 11632	MFSK-16/20Bd	(AB/RL)
XPA2	12173	4-2	1600	Tue	00340 00001 00000 33255	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	10373	4-2	1620	Tue	00340 00001 00000 33255	MFSK-16/20Bd	(AB-RUS/MPJ)

XPA2	9373	4-2	1640	Tue	00340 00001 00000 33255	MFSK-16/20Bd	(AB-RUS/MPJ)
XPA2	13387	5-2	0800	Wed	00173 00100 18237 ... 64560 79044 76511	MFSK-16/20Bd	(AB/HFD)
XPA2	13887	5-2	0820	Wed	00173 00100 18237 ... 64560 79044 76511	MFSK-16/20Bd	(AB/HFD)
XPA2	14787	5-2	0840	Wed	00173 00100 18237 ... 64560 79044 76511	MFSK-16/20Bd	(AB/HFD)
XPA2	16102	5-2	0910	Wed	06333 00200 25899 ... 68493 88546 05560	MFSK-16/20Bd	(AB/HFD)
XPA2	14951	5-2	0930	Wed	06333 00200 25899 ... 68493 88546 05560	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	13991	5-2	0950	Wed	06333 00200 25899 ... 68493 88546 05560	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	11575	5-2	1200	Wed	03399 00001 00000 37264	MFSK-16/20Bd	(AB/HFD)
XPA2	13375	5-2	1220	Wed	03399 00001 00000 37264	MFSK-16/20Bd	(AB/HFD)
XPA2	13975	5-2	1240	Wed	03399 00001 00000 37264	MFSK-16/20Bd	(AB/HFD)
XPA2	16146	6-2	0910	Thu	03119 00000 00000 36254	MFSK-16/20Bd	(AB/HFD)
XPA2	15846	6-2	0930	Thu	03119 00000 00000 36254	MFSK-16/20Bd	(AB/HFD)
XPA2	14446	6-2	0950	Thu	03119 00000 00000 36254	MFSK-16/20Bd	(AB/RL/HFD)
XPA2	12173	6-2	1600	Thu	Null message	MFSK-16/20Bd	(AB/HFD)
XPA2	10373	6-2	1620	Thu	Null message	MFSK-16/20Bd	(AB/HFD)
XPA2	9373	6-2	1640	Thu	Null message	MFSK-16/20Bd	(AB/HFD)
XPA2	11575	7-2	1200	Fir	08550 00001 00000 33655	MFSK-16/20Bd	(AB)
XPA2	13375	7-2	1220	Fir	08550 00001 00000 33655	MFSK-16/20Bd	(AB)
XPA2	13975	7-2	1240	Fir	08550 00001 00000 33655	MFSK-16/20Bd	(AB)
XPA2	16146	8-2	0910	Sat	09140 00001 00000 31665	MFSK-16/20Bd	(AB)
XPA2	15846	8-2	0930	Sat	09140 00001 00000 31665	MFSK-16/20Bd	(AB)
XPA2	14446	8-2	0950	Sat	09140 00001 00000 31665	MFSK-16/20Bd	(AB/RL)
XPA2	11461	8-2	1600	Sat	05650 00001 00000 34262	MFSK-20/10Bd	(AB)
XPA2	10261	8-2	1620	Sat	05650 00001 00000 34262	MFSK-20/10Bd	(AB)
XPA2	9161	8-2	1640	Sat	05650 00001 00000 34262	MFSK-20/10Bd	(AB)
XPA2	11163	9-2	1200	Sun	06665 00096 30203 ... 27626 95138 11632	MFSK-16/20Bd	(AB)
XPA2	13363	9-2	1220	Sun	06665 00096 30203 ... 27626 95138 11632	MFSK-16/20Bd	(AB)
XPA2	14563	9-2	1240	Sun	06665 00096 30203 ... 27626 95138 11632	MFSK-16/20Bd	(AB)
XPA2	13387	10-2	0800	Mon	06326 00074 71644 ... 10788 84458 53063	MFSK-16/20Bd	(AB)
XPA2	13887	10-2	0820	Mon	06326 00074 71644 ... 10788 84458 53063	MFSK-16/20Bd	(AB)
XPA2	14787	10-2	0840	Mon	06326 00074 71644 ... 10788 84458 53063	MFSK-16/20Bd	(AB)
XPA2	16102	10-2	0910	Mon	09300 00120 54034 ... 76099 74630 63422	MFSK-16/20Bd	(AB)
XPA2	14951	10-2	0930	Mon	09300 00120 54034 ... 76099 74630 63422	MFSK-16/20Bd	(AB)
XPA2	13991	10-2	0950	Mon	09300 00120 54034 ... 76099 74630 63422	MFSK-16/20Bd	(AB/RL)
XPA2	11461	10-2	1600	Mon	00141 00214 76629 ... 47742 11011 61445	MFSK-16/20Bd	(AB)
XPA2	10261	10-2	1620	Mon	00141 00214 76629 ... 47742 11011 61445	MFSK-16/20Bd	(AB)
XPA2	9161	10-2	1640	Mon	00141 00214 76629 ... 47742 11011 61445	MFSK-16/20Bd	(AB)
XPA2	11163	11-2	1200	Tue	00325 00188 81489 ... 81559 38034 00271	MFSK-16/20Bd	(AB)
XPA2	13363	11-2	1220	Tue	00325 00188 81489 ... 81559 38034 00271	MFSK-16/20Bd	(AB)
XPA2	14563	11-2	1240	Tue	00325 00188 81489 ... 81559 38034 00271	MFSK-16/20Bd	(AB)

XPA2	12173	11-2	1600	Tue	06010 00189 17338 ... 45062 71796 75422	MFSK-16/20Bd	(AB)
XPA2	10373	11-2	1620	Tue	06010 00189 17338 ... 45062 71796 75422	MFSK-16/20Bd	(AB)
XPA2	9373	11-2	1640	Tue	06010 00189 17338 ... 45062 71796 75422	MFSK-16/20Bd	(AB)
XPA2	13387	12-2	0800	Wed	06326 00074 71644 ... 10788 84458 53063	MFSK-16/20Bd	(AB)
XPA2	13887	12-2	0820	Wed	06326 00074 71644 ... 10788 84458 53063	MFSK-16/20Bd	(AB)
XPA2	14787	12-2	0840	Wed	06326 00074 71644 ... 10788 84458 53063	MFSK-16/20Bd	(AB)
XPA2	16102	12-2	0910	Wed	09300 00120 54034 ... 76099 74630 63422	MFSK-16/20Bd	(AB)
XPA2	14951	12-2	0930	Wed	09300 00120 54034 ... 76099 74630 63422	MFSK-16/20Bd	(AB)
XPA2	13991	12-2	0950	Wed	09300 00120 54034 ... 76099 74630 63422	MFSK-16/20Bd	(AB/RL)
XPA2	11575	12-2	1200	Wed	05799 00001 00000 41266	MFSK-16/20Bd	(AB)
XPA2	13375	12-2	1220	Wed	05799 00001 00000 41266	MFSK-16/20Bd	(AB)
XPA2	13975	12-2	1240	Wed	05799 00001 00000 41266	MFSK-16/20Bd	(AB)
XPA2	16146	13-2	0910	Thu	00416 00088 76667 ... 68384 05910 50220	MFSK-16/20Bd	(AB)
XPA2	15846	13-2	0930	Thu	00416 00088 76667 ... 68384 05910 50220	MFSK-16/20Bd	(AB)
XPA2	14446	13-2	0950	Thu	00416 00088 76667 ... 68384 05910 50220	MFSK-16/20Bd	(AB)
XPA2	12173	13-2	1600	Thu	06010 00189 17338 ... 45062 71796 75422	MFSK-16/20Bd	(AB)
XPA2	10373	13-2	1620	Thu	06010 00189 17338 ... 45062 71796 75422	MFSK-16/20Bd	(AB)
XPA2	9373	13-2	1640	Thu	06010 00189 17338 ... 45062 71796 75422	MFSK-16/20Bd	(AB)
XPA2	11575	14-2	1200	Fir	04004 00001 00000 33254	MFSK-16/20Bd	(AB)
XPA2	13375	14-2	1220	Fir	04004 00001 00000 33254	MFSK-16/20Bd	(AB)
XPA2	13975	14-2	1240	Fir	04004 00001 00000 33254	MFSK-16/20Bd	(AB)
XPA2	16146	15-2	0910	Sat	00416 00088 76667 ... 68384 05910 50220	MFSK-16/20Bd	(AB)
XPA2	15846	15-2	0930	Sat	00416 00088 76667 ... 68384 05910 50220	MFSK-16/20Bd	(AB)
XPA2	14446	15-2	0950	Sat	00416 00088 76667 ... 68384 05910 50220	MFSK-16/20Bd	(AB)
XPA2	11461	15-2	1600	Sat	00141 00214 76629 ... 47742 11011 61445	MFSK-16/20Bd	(AB)
XPA2	10261	15-2	1620	Sat	00141 00214 76629 ... 47742 11011 61445	MFSK-16/20Bd	(AB)
XPA2	9161	15-2	1640	Sat	00141 00214 76629 ... 47742 11011 61445	MFSK-16/20Bd	(AB)
XPA2	11163	16-2	1200	Sun	00325 00188 81489 ... 81559 38034 00271	MFSK-16/20Bd	(AB)
XPA2	13363	16-2	1220	Sun	00325 00188 81489 ... 81559 38034 00271	MFSK-16/20Bd	(AB)
XPA2	14563	16-2	1240	Sun	00325 00188 81489 ... 81559 38034 00271	MFSK-16/20Bd	(AB)
XPA2	13387	17-2	0800	Mon	06326 00074 71644 ... 10788 84458 53063	MFSK-16/20Bd	(AB)
XPA2	13887	17-2	0820	Mon	06326 00074 71644 ... 10788 84458 53063	MFSK-16/20Bd	(AB)
XPA2	14787	17-2	0840	Mon	06326 00074 71644 ... 10788 84458 53063	MFSK-16/20Bd	(AB)
XPA2	16102	17-2	0910	Mon	01258 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	14951	17-2	0930	Mon	01258 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	13991	17-2	0950	Mon	01258 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	11461	17-2	1600	Mon	04172 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	10261	17-2	1620	Mon	04172 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	9161	17-2	1640	Mon	04172 00001 00000 32663	MFSK-16/20Bd	(AB)
XPA2	11163	18-2	1200	Tue	00295 00198 38190 ... 06485 97403 53757	MFSK-16/20Bd	(AB)

XPA2	13363	18-2	1220	Tue	00295 00198 38190 ... 06485 97403 53757	MFSK-16/20Bd	(AB)
XPA2	14563	18-2	1240	Tue	00295 00198 38190 ... 06485 97403 53757	MFSK-16/20Bd	(AB/RL)
XPA2	12173	18-2	1600	Tue	08650 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	10373	18-2	1620	Tue	08650 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	9373	18-2	1640	Tue	08650 00001 00000 34265	MFSK-16/20Bd	(AB)
XPA2	13387	19-2	0800	Wed	06326 00074 71644 ... 10788 84458 53063	MFSK-16/20Bd	(AB)
XPA2	13887	19-2	0820	Wed	06326 00074 71644 ... 10788 84458 53063	MFSK-16/20Bd	(AB)
XPA2	14787	19-2	0840	Wed	06326 00074 71644 ... 10788 84458 53063	MFSK-16/20Bd	(AB/RL)
XPA2	16102	19-2	0910	Wed	07647 00001 00000 37663	MFSK-16/20Bd	(AB/RL)
XPA2	14951	19-2	0930	Wed	07647 00001 00000 37663	MFSK-16/20Bd	(AB/RL)
XPA2	13991	19-2	0950	Wed	07647 00001 00000 37663	MFSK-16/20Bd	(AB)
XPA2	11575	19-2	1200	Wed	06981 00220 74718 ... 55958 61967 61067	MFSK-16/20Bd	(AB)
XPA2	13375	19-2	1220	Wed	06981 00220 74718 ... 55958 61967 61067	MFSK-16/20Bd	(AB)
XPA2	13975	19-2	1240	Wed	06981 00220 74718 ... 55958 61967 61067	MFSK-16/20Bd	(AB)
XPA2	16146	20-2	0910	Thu	08170 00120 95846 ... 87828 93828 41776	MFSK-16/20Bd	(AB)
XPA2	15846	20-2	0930	Thu	08170 00120 95846 ... 87828 93828 41776	MFSK-16/20Bd	(AB)
XPA2	14446	20-2	0950	Thu	08170 00120 95846 ... 87828 93828 41776	MFSK-16/20Bd	(AB/EW)
XPA2	12173	20-2	1600	Thu	08217 00001 00000 35661	MFSK-16/20Bd	(AB/MPJ-HOL)
XPA2	10373	20-2	1620	Thu	08217 00001 00000 35661	MFSK-16/20Bd	(AB/MPJ-HOL)
XPA2	9373	20-2	1640	Thu	08217 00001 00000 35661	MFSK-16/20Bd	(AB/MPJ-HOL)
XPA2	11575	21-2	1200	Fir	06981 00220 74718 ... 55958 61967 61067	MFSK-16/20Bd	(AB)
XPA2	13375	21-2	1220	Fir	06981 00220 74718 ... 55958 61967 61067	MFSK-16/20Bd	(AB)
XPA2	13975	21-2	1240	Fir	06981 00220 74718 ... 55958 61967 61067	MFSK-16/20Bd	(AB/MPJ)
XPA2	16146	22-2	0910	Sat	08170 00120 95846 ... 87828 93828 41776	MFSK-16/20Bd	(AB-RUS)
XPA2	15846	22-2	0930	Sat	08170 00120 95846 ... 87828 93828 41776	MFSK-16/20Bd	(AB-RUS/EW)
XPA2	14446	22-2	0950	Sat	08170 00120 95846 ... 87828 93828 41776	MFSK-16/20Bd	(AB/RL)
XPA2	11461	22-2	1600	Sat	02055 00001 00000 33657	MFSK-16/20Bd	(AB)
XPA2	10261	22-2	1620	Sat	02055 00001 00000 33657	MFSK-16/20Bd	(AB)
XPA2	9161	22-2	1640	Sat	02055 00001 00000 33657	MFSK-16/20Bd	(AB)
XPA2	11163	23-2	1200	Sun	00295 00198 38190 ... 06485 97403 53757	MFSK-16/20Bd	(AB)
XPA2	13363	23-2	1220	Sun	00295 00198 38190 ... 06485 97403 53757	MFSK-16/20Bd	(AB)
XPA2	14563	23-2	1240	Sun	00295 00198 38190 ... 06485 97403 53757	MFSK-16/20Bd	(AB)
XPA2	13387	24-2	0800	Mon	01544 00001 00000 35655	MFSK-16/20Bd	(AB)
XPA2	13887	24-2	0820	Mon	01544 00001 00000 35655	MFSK-16/20Bd	(AB)
XPA2	14787	24-2	0840	Mon	01544 00001 00000 35655	MFSK-16/20Bd	(AB)
XPA2	16102	24-2	0910	Mon	00205 00098 50069 ... 85807 57077 43714	MFSK-16/20Bd	(AB)
XPA2	14951	24-2	0930	Mon	00205 00098 50069 ... 85807 57077 43714	MFSK-16/20Bd	(AB)
XPA2	13991	24-2	0950	Mon	00205 00098 50069 ... 85807 57077 43714	MFSK-16/20Bd	(AB)
XPA2	11461	24-2	1600	Mon	00360 00266 00592 ... 83528 30345 26756	MFSK-16/20Bd	(AB)
XPA2	10261	24-2	1620	Mon	00360 00266 00592 ... 83528 30345 26756	MFSK-16/20Bd	(AB)

XPA2	9161	24-2	1640	Mon	00360 00266 00592 ... 83528 30345 26756	MFSK-16/20Bd	(AB)
XPA2	11163	25-2	1200	Tue	07372 00216 54230 ... 38296 69541 35320	MFSK-16/20Bd	(AB)
XPA2	13363	25-2	1220	Tue	07372 00216 54230 ... 38296 69541 35320	MFSK-16/20Bd	(AB)
XPA2	14563	25-2	1240	Tue	07372 00216 54230 ... 38296 69541 35320	MFSK-16/20Bd	(AB)
XPA2	12173	25-2	1600	Tue	00194 00103 63567 ... 88659 68908 14640	MFSK-16/20Bd	(AB)
XPA2	10373	25-2	1620	Tue	00194 00103 63567 ... 88659 68908 14640	MFSK-16/20Bd	(AB)
XPA2	9373	25-2	1640	Tue	00194 00103 63567 ... 88659 68908 14640	MFSK-16/20Bd	(AB)
XPA2	13387	26-2	0800	Wed	01869 00001 00000 41657	MFSK-16/20Bd	(AB)
XPA2	13887	26-2	0820	Wed	01869 00001 00000 41657	MFSK-16/20Bd	(AB)
XPA2	14787	26-2	0840	Wed	01869 00001 00000 41657	MFSK-16/20Bd	(AB)
XPA2	16102	26-2	0910	Wed	00205 00098 50069 ... 85807 57077 43714	MFSK-16/20Bd	(AB/RL)
XPA2	14951	26-2	0930	Wed	00205 00098 50069 ... 85807 57077 43714	MFSK-16/20Bd	(AB/RL)
XPA2	13991	26-2	0950	Wed	00205 00098 50069 ... 85807 57077 43714	MFSK-16/20Bd	(AB/RL)
XPA2	11575	26-2	1200	Wed	06570 00180 29743 ... 62414 96521 52013	MFSK-16/20Bd	(AB)
XPA2	13375	26-2	1220	Wed	06570 00180 29743 ... 62414 96521 52013	MFSK-16/20Bd	(AB)
XPA2	13975	26-2	1240	Wed	06570 00180 29743 ... 62414 96521 52013	MFSK-16/20Bd	(AB)
XPA2	16146	27-2	0910	Thu	Unreadable due to radar interference	MFSK-16/20Bd	(AB)
XPA2	15846	27-2	0930	Thu	08094 00001 00000 33271	MFSK-16/20Bd	(AB)
XPA2	14446	27-2	0950	Thu	08094 00001 00000 33271	MFSK-16/20Bd	(AB/RL)
XPA2	12173	27-2	1600	Thu	00194 00103 63567 ... 88659 68908 14640	MFSK-16/20Bd	(AB)
XPA2	10373	27-2	1620	Thu	00194 00103 63567 ... 88659 68908 14640	MFSK-16/20Bd	(AB)
XPA2	9373	27-2	1640	Thu	00194 00103 63567 ... 88659 68908 14640	MFSK-16/20Bd	(AB)
XPA2	11575	28-2	1200	Fir	06570 00180 29743 ... 62414 96521 52013	MFSK-16/20Bd	(AB)
XPA2	13375	28-2	1220	Fir	06570 00180 29743 ... 62414 96521 52013	MFSK-16/20Bd	(AB)
XPA2	13975	28-2	1240	Fir	06570 00180 29743 ... 62414 96521 52013	MFSK-16/20Bd	(AB)
XPA2	16146	29-2	0910	Sat	07605 00001 00000 33657	MFSK-16/20Bd	(AB)
XPA2	15846	29-2	0930	Sat	07605 00001 00000 33657	MFSK-16/20Bd	(AB)
XPA2	14446	29-2	0950	Sat	07605 00001 00000 33657	MFSK-16/20Bd	(AB)
XPA2	11461	29-2	1600	Sat	00360 00266 00592 ... 83528 30345 26756	MFSK-16/20Bd	(AB/MPJ)
XPA2	10261	29-2	1620	Sat	00360 00266 00592 ... 83528 30345 26756	MFSK-16/20Bd	(AB/MPJ)
XPA2	9161	29-2	1640	Sat	00360 00266 00592 ... 83528 30345 26756	MFSK-16/20Bd	(AB/MPJ)
XPB1	15814	1-2	1100	Sat	Russian intel.	MFSK-16	(HFD)
XPB1	14814	1-2	1110	Sat	Russian intel.	MFSK-16	(HFD)
XPB1	14414	1-2	1120	Sat	Russian intel.	MFSK-16	(HFD)
XPB1	13914	1-2	1130	Sat	Russian intel.	MFSK-16	(HFD)
XPB1	13414	1-2	1140	Sat	Russian intel.	MFSK-16	(HFD)
XPB1	12214	1-2	1150	Sat	Russian intel.	MFSK-16	(HFD)
XPB1	8064	2-2	2000	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7964	2-2	2010	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6964	2-2	2020	Sun	Russian intel.	MFSK-16	(AB)

XPB1	5864	2-2	2030	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5364	2-2	2040	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4464	2-2	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15814	3-2	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14814	3-2	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14414	3-2	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13914	3-2	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13414	3-2	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12214	3-2	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8064	4-2	2000	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7964	4-2	2010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6964	4-2	2020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5864	4-2	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5364	4-2	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4464	4-2	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15814	8-2	1100	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14814	8-2	1110	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14414	8-2	1120	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13914	8-2	1130	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13414	8-2	1140	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12214	8-2	1150	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8064	9-2	2000	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7964	9-2	2010	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6964	9-2	2020	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5864	9-2	2030	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5364	9-2	2040	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4464	9-2	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15814	10-2	1100	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	14814	10-2	1110	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	14414	10-2	1120	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	13914	10-2	1130	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	13414	10-2	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12214	10-2	1150	Mon	Russian intel.	MFSK-16	(AB/RL)
XPB1	8064	11-2	2000	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	7964	11-2	2010	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	6964	11-2	2020	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	5864	11-2	2030	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	5364	11-2	2040	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	4464	11-2	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15814	15-2	1100	Sat	Russian intel.	MFSK-16	(AB)

XPB1	14814	15-2	1110	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14414	15-2	1120	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13914	15-2	1130	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13414	15-2	1140	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12214	15-2	1150	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8064	16-2	2000	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7964	16-2	2010	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6964	16-2	2020	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5864	16-2	2030	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5364	16-2	2040	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4464	16-2	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15814	17-2	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14814	17-2	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14414	17-2	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13914	17-2	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13414	17-2	1140	Mon	Russian intel.	MFSK-16	(AB)
XPB1	12214	17-2	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8064	18-2	2000	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	7964	18-2	2010	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	6964	18-2	2020	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	5864	18-2	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5364	18-2	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4464	18-2	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15814	22-2	1100	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14814	22-2	1110	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	14414	22-2	1120	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13914	22-2	1130	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	13414	22-2	1140	Sat	Russian intel.	MFSK-16	(AB/RL)
XPB1	12214	22-2	1150	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8064	23-2	2000	Sun	Russian intel.	MFSK-16	(AB)
XPB1	7964	23-2	2010	Sun	Russian intel.	MFSK-16	(AB)
XPB1	6964	23-2	2020	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5864	23-2	2030	Sun	Russian intel.	MFSK-16	(AB)
XPB1	5364	23-2	2040	Sun	Russian intel.	MFSK-16	(AB)
XPB1	4464	23-2	2050	Sun	Russian intel.	MFSK-16	(AB)
XPB1	15814	24-2	1100	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14814	24-2	1110	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14414	24-2	1120	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13914	24-2	1130	Mon	Russian intel.	MFSK-16	(AB)
XPB1	13414	24-2	1140	Mon	Russian intel.	MFSK-16	(AB)

XPB1	12214	24-2	1150	Mon	Russian intel.	MFSK-16	(AB)
XPB1	8064	25-2	2000	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7964	25-2	2010	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6964	25-2	2020	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5864	25-2	2030	Tue	Russian intel.	MFSK-16	(AB)
XPB1	5364	25-2	2040	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4464	25-2	2050	Tue	Russian intel.	MFSK-16	(AB)
XPB1	15814	29-2	1100	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14814	29-2	1110	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14414	29-2	1120	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13914	29-2	1130	Sat	Russian intel.	MFSK-16	(AB)
XPB1	13414	29-2	1140	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12214	29-2	1150	Sat	Russian intel.	MFSK-16	(AB)
XSL	4153	18-2	0524	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(BW3-J)
XSL	4291	18-2	0525	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(BW3-J)
XSL	4231	18-2	0525	Tue	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(BW3-J)
XSL	4153	19-2	1337	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	19-2	1337	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6417	19-2	1337	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	19-2	1337	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	19-2	1337	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8588	19-2	1337	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8703.5	19-2	1337	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	19-2	1337	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	19-2	1337	Wed	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8588	21-2	0502	Fir	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(BW3-J)
XSL	8313	21-2	0503	Fir	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(BW3-J)
XSL	6417	22-2	2038	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8588	22-2	2038	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6445	22-2	2038	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	6250	22-2	2038	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	22-2	2038	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4153	22-2	2038	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4231.5	22-2	2038	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8703.5	22-2	2038	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8313	22-2	2038	Sat	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4153	27-2	1712	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8703.5	27-2	1712	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	8588	27-2	1712	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
XSL	8313	27-2	1712	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

XSL	6445	27-2	1712	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
XSL	6417	27-2	1712	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
XSL	6250	27-2	1712	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB)
XSL	4231.5	27-2	1712	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
XSL	4291	27-2	1712	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)

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AB-QAT	Ary Boender via remote rx Qatar	JPL-HOL	JPL via remote rx The Netherlands
AB-RUS	Ary Boender via remote rx Russia	JPL-J	JPL via remote rx Japan
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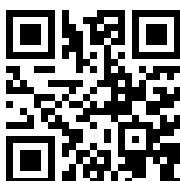
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